

The Broadcast Engineers' Journal

January, 1945

Vol. 12, No. 1



Happy New Year

Broadcast
Engineers

Jean Tighe

WJZ Singing Star

(Table of Contents, Page 2)

1945 « YEARBOOK » 1945

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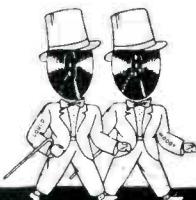


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**President
Powley's
MESSAGE**

It is with a great deal of pleasure that I take this opportunity to extend season's greeting to the membership both old and new, and to all our friends in the radio industry.



Many of our former members now on the inactive list are presently serving with the armed forces in all parts of the world. They are lending their knowledge and experience in an effort to preserve the Christmas spirit which we here on this side of the world are now enjoying. It will be NABET's duty and privilege to help these men re-establish themselves in the broadcasting industry at the War's close.

To those of you who have so recently joined our ranks I bid you a hearty welcome, with the hope that I may soon have the pleasure of your personal acquaintance.

A large, handwritten signature in black ink, appearing to read "A. S. Powley". The signature is fluid and cursive, with a prominent "A" at the beginning and a long, sweeping "ley" at the end.

President NABET

THE BROADCAST ENGINEERS' JOURNAL

Ed. Stolzenberger

Editor

Coordinator

F. R. Rojas

Volume 12, No. 1

409

January, 1945

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TABLE OF CONTENTS

	Page
Elemental Electronics Part XII	
Electronic Counting and Measuring	5
Indicial Response of Telephone Receivers	
Part II	9
WTOL — Toledo's Friendly Station	15
Poem, "Our Engineers"	18
From Hollywood	54
Los Angeles News	67
The Secret of Radar, or, Dr. Kilfidget Comes Through with the Dope for Christmas!	73
New York News	88
New York Blue Notes	88
Hudson Chapter News	97
From Up the Mohawk	102
NABET - AFM Turntable Jurisdiction Hearing	106
Rochester News	115
Detroit News	121
Chicago Chapter Chatter	126
The Parable of the Donkey	133
Doings in Denver	139
Washington News	147
Dixie Chapter News	152
San Francisco News	156
KGO Highlights	160
From John Elwood	163
Omaha — WOW — KODY News	167
Locks and Keys	177
Our Cover Girl	180

★ ★ NOTICE ★ ★

At the February, 1944, meeting of the Board of Trustees, they ordered that the date of publication of each issue should be progressively stepped up from the 20th of the month of issue, to the first of the month of issue. Under the former schedule, the November issue, for example, appeared on November 20th, and the Yearbook was dated December, and was published to appear just before the holidays.

The advancement of publication date has been accomplished; the October issue was out Oct. 1st, and the Nov. and Dec. issues were out on or before the first of the respective months of issue. Therefore, this Yearbook is dated January, 1945, and in conformity with the new publication schedule, will be out on or about New Year's day. We have had delays involving paper procurement, man-power shortage and high turnover straight down the line from printer, bindery, and mailing service, a few AA-1 priority printing jobs (at the printer's) that almost scuttled this Yearbook, and finally that great unknown—delays through the mails. To those who know there's a war on, Amen!—Ed. S.

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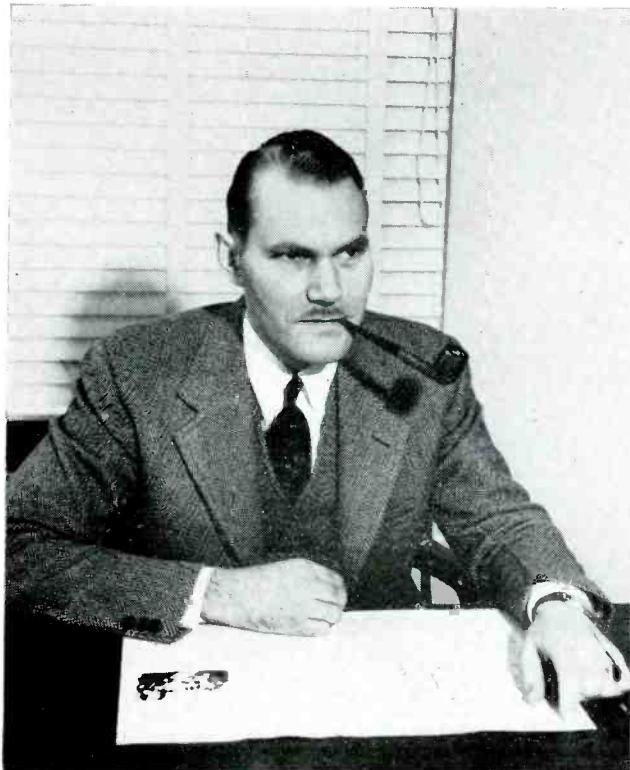
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NABET Vice-President Fredendall's Message

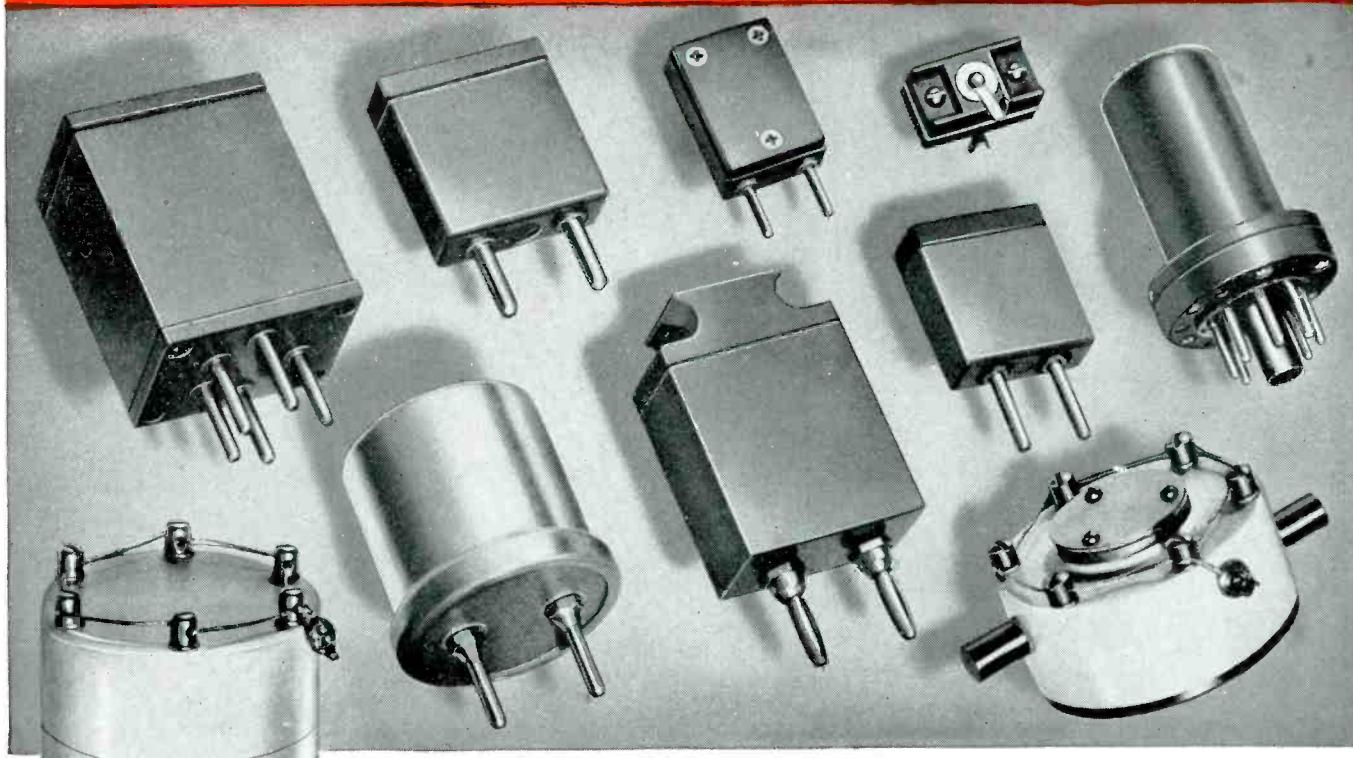
More than ordinary Season's Greetings are due you. You are to be congratulated on a vigorous and cooperative year — the greatest in our eleven-year history.

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Ber Fredendall

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Elemental Electronics : Part XII

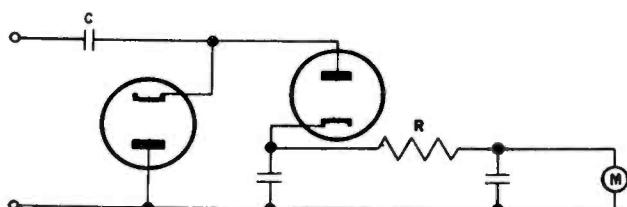
Electronic Counting and Measuring

By Jordan McQuay

IN SOME specialized applications of electronics it is often necessary to have some means of counting the number of pulses that take place in a given circuit. This important use of electronics is particularly adaptable for industrial purposes, where it is often desired to record large numbers of manufactured items.

A counting circuit is an electronic device which produces one output pulse for any particular number of input pulses. The input pulses must all be in the same direction, i.e., either positive or negative. The output pulse may be either a current or voltage indication, and often may trigger a secondary recording stage.

A simple circuit for counting positive pulses is shown in figure 1. When a positive pulse is applied to the condenser C, the second diode conducts (because its plate is made positive by the surge of electrons to the condenser) and electrons are drawn through the current meter. When the input positive pulse is removed from condenser C, the electrons accumulated from the discharge of the second diode redistribute themselves between the condenser C, the cathode of the first diode, and the plate of the second

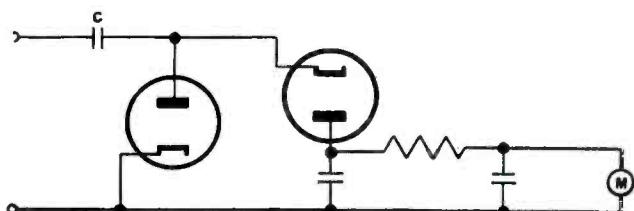


(Figure 1) Pulse counting circuit, for positive pulses.

diode. The cathode of the first tube thus is made negative with respect to its plate, and the diode conducts—discharging the accumulation of excess electrons in that part of the circuit, and the current through the meter falls in value. This cycle recurs with each application and removal of a positive pulse. The more frequently the cycle is repeated, the greater is the average current through the meter. The condensers and the resistor R are placed in the meter circuit to filter out rapid fluctuations in current.

The pulse counting circuit just described can be used to count negative pulses merely by reversing the connections of the two diodes. Such a negative pulse counting circuit is shown in figure 2. When a negative pulse is

applied to the condenser C, electrons are repelled from the condenser. And the plate of the first diode and the cathode of the second diode are made more negative. This causes the second tube to conduct, and current flows through the indicating meter. When the input negative pulse is removed there is a redistribution of electrons, as in the previous counting circuit—and the first diode conducts to restore the counting circuit to its original quiescent



(Figure 2) Pulse counting circuit, for negative pulses.

condition, with the meter falling to zero again. The repetition of this process of applying negative pulses to the circuit results in an average current being drawn through the meter.

There are many variations of the simple electronic counting circuits shown in figures 1 and 2, some of which are extremely complex in nature—and designed for specific enumeration purposes.

Not directly related to counting circuits, but having relative interest and similar function, are circuits designed to measure the distance to fixed or moving objects, and to the ionosphere. This means of electronic computation is performed primarily by the cathode ray tube (Part IV, B. E. Journal, April 1944) and related special circuits.

During the last decade, considerable use has been made of the cathode ray tube in research work: on the reflection of radio frequency waves from the ionosphere. In comparison with the more-or-less direct radiation between a transmitter and receiver (by means of the conventional ground wave of radio frequency), the signal radiation which returns to the receiver by reflection from the ionosphere always arrives late. Since the velocity of propagation of radio frequency waves in free space is known to be 186,000 miles per second, the time delay of the reflected wave may be extremely short (often less than a microsecond)—but there is some delay. And this

ELECTRONIC COUNTING

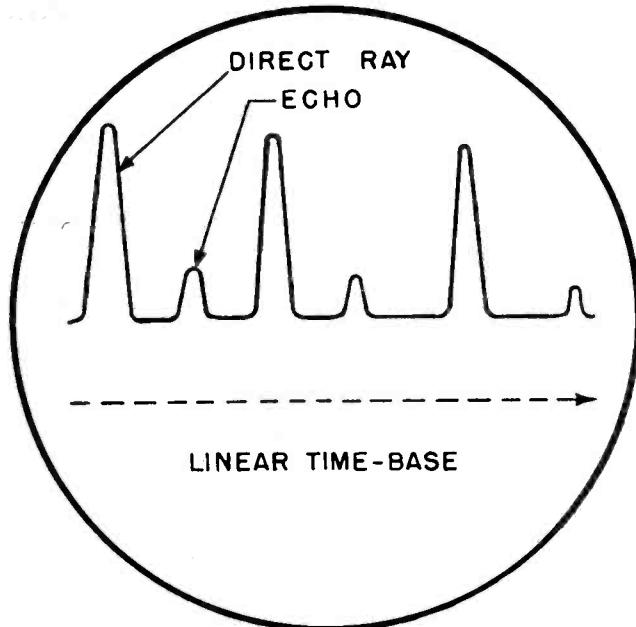
brief time delay can be measured by means of a suitable high-speed time base for the cathode ray tube. A measurement of this time delay, is a relative measurement of the distance from the transmitter (or receiver) to the ionosphere—and thus the distance to that sporadic region may be ascertained.

One of many such methods of measurement uses a transmitter which radiates very brief pulses. A cathode ray tube screen, properly connected to a suitable receiver, records these main pulses (by direct ground radiation)—each of which is followed by a small, secondary pulse corresponding to the reflected signals, as shown in figure 3. The reflected signals are much smaller in amplitude than

Reflections of radio frequency waves may also occur from large metal objects such as water tanks, telephone wires, buildings, etc. A great deal of television interference is due to such reflections. The "echo" (or ghost as it is generally called in television) in these cases may produce a secondary picture on the screen which is delayed or out-of-phase with the timing impulse. Often a television picture may be so disturbed by these extraneous reflections as to be almost unintelligible.

* * *

This chapter (Part XII) terminates the present series on Elemental Electronics. While a vast fund of data and information has been presented through the medium of these pages during the past year, we have only skimmed the surface. The science of Electronics is a subject so vast and all-embracing of radio, audio and video engineering that it will never be exhausted. Security limitations, imposed by war-time necessity, have prevented us from mentioning many important new and dramatic uses of Electronics that are helping to win the war. With the coming of peace, some day, perhaps we can tell you more of the wonders of this new science. But war or peace—it should be remembered that all types of purely electronic equipment operate on the fundamental concepts which have been presented in this series: ELEMENTAL ELECTRONICS.



(Figure 3)

Measuring the reflections of radio waves, with an oscilloscope.

the direct signals, and are sometimes referred to as "echoes" because they actually are echoes, reflected from the heavily charged ionosphere region high above the earth. If the linear speed of the cathode ray tube time base is known, the horizontal separation of the direct pulse and its reflected echo will give the indication of difference in time taken by the direct (ground) wave and the reflected (ionosphere) wave to reach the receiver. This time difference can be easily translated into space distance, since we know the speed of radio frequency waves. Thus the actual distance to the ionosphere region can be accurately determined.

Such measurements are extremely important in forecasting weather, long-range radio transmission and reception, and other scientific data.

L. M. Leeds Named Manager, G.E. Electronics Laboratory.

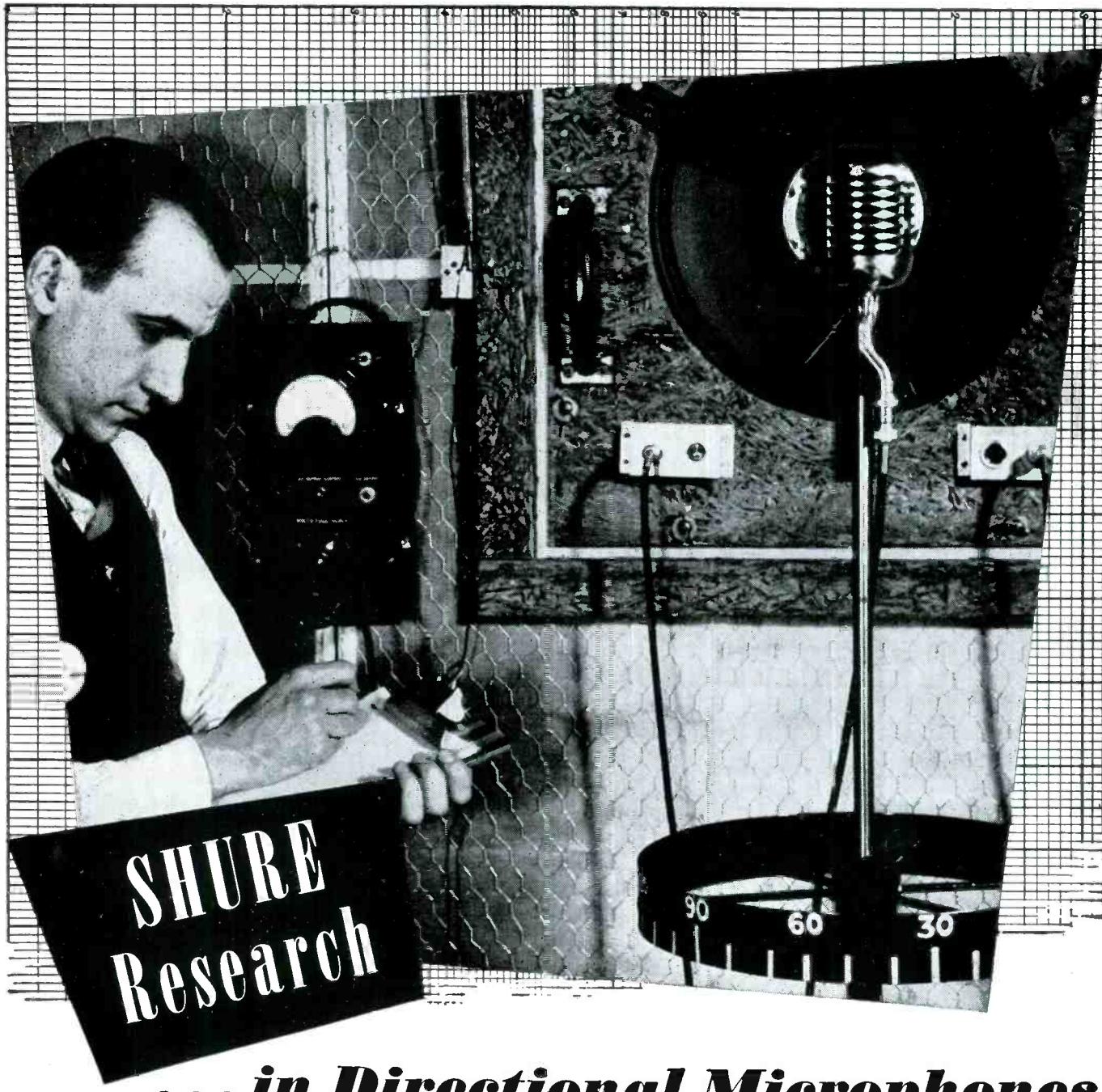
L. M. Leeds has been appointed Manager, Electronics Laboratory of the General Electric Company's Electronics Department, it has been announced by Dr. W. R. G. Baker, Vice President in charge of the department. W. C. White, formerly in charge of this laboratory, has been appointed the electronics engineer of the G.E. Research Laboratory.

Mr. Leeds will have his headquarters in Schenectady and will have charge of electronic research and advanced development for the Electronics Department.

Since 1943, he has been an electronics consulting Engineer for the company, as well as an expert consultant on radar and radio in the Office of the Secretary of War, with offices located in the Pentagon Building, Washington.

Mr. Leeds, born in Tulsa, Oklahoma, worked eight years in various phases of the radio industry before receiving his B.S. degree in electrical engineering from Rutgers University in 1934. He joined General Electric that year and went to work for the Radio Transmitter Engineering Department.

In 1938, Mr. Leeds was placed in charge of the development of the first G.E. television station (W2XB) in the Helderberg Mountains outside Schenectady, and the establishment of General Electric's "proving ground" station, WRGB, in 1939. In 1940, he was named leader of the radar development section.



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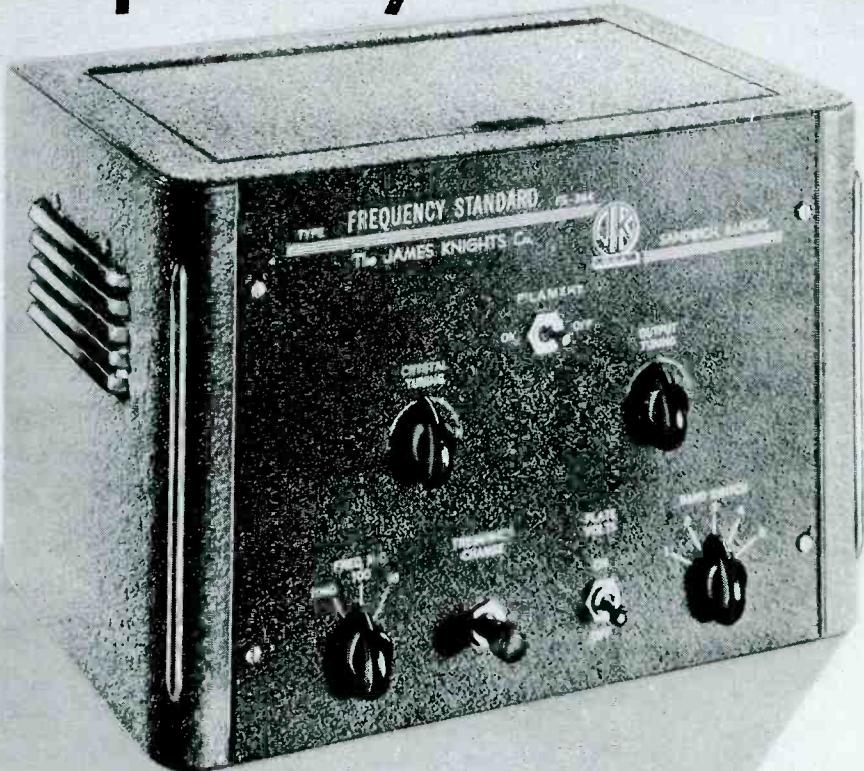
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CRYSTALS FOR THE CRITICAL

*Part
II**

Indicial Response of Telephone Receivers

*By
E. E. Mott*

[Reprinted by permission of *The Bell System Technical Journal*, Vol. XXIII, No. 2, April, 1944]

Experimental Measurements

The oscillographic measurements of indicial response, together with corresponding frequency response measure-

ments compared with the more familiar frequency response on the right.

Curve 1, Fig. 7, represents a moving-coil receiver similar to that calculated in

speed than is usual for the string oscilloscope.

Curve 2 shows the characteristics of a magnetic bipolar type of receiver having a frequency range of 3000 cps with a fairly sharp cut-off at this frequency. The acoustic circuits of this receiver serve to damp the resonance of the diaphragm and extend the range from 1600 up to 3000 cps. The oscillogram shows a partially damped but still somewhat oscillatory condition which is due to the receiver.

With all damping circuits removed, we obtain the characteristic of curve 3, a simple diaphragm resonance, which is similar to the earlier type of receivers of the magnetic type. Curve 2 represents a real improvement over curve 3, both as regards introduction of damping and extending the frequency range.

The effects of further increases in damping are shown by curves 4, 5, and 6. Such changes in the shape of the curve are brought about by relatively simple changes of the constants of the acoustic circuits. The oscillograms indicate a marked improvement as regards oscillations, which is to be expected with increased damping. The time delay is eventually degraded with further increases of damping, however, and the optimum damping is a matter of compromise.

The effects of a low-frequency cut-off characteristic are shown by curves 7, 8, and 9, Fig. 7. The absence of a d-c component makes these curves very difficult of interpretation.

Curve 7, taken with the same receiver as curve 2, except with coupler leakage, shows a loss at low frequencies which is typical of cases where the receiver cap does not make a perfect seal with the ear. The effect on the indicial response is that of a large pulse followed by a few

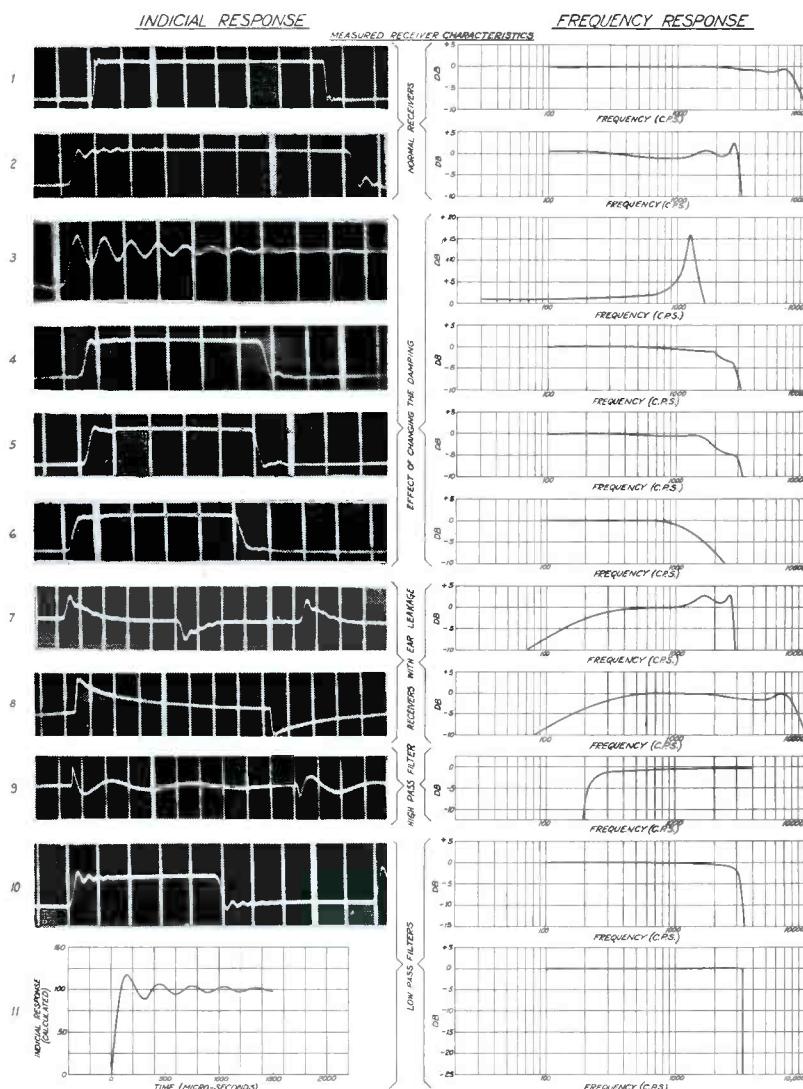


Figure 7—Measured indicial response versus measured frequency response of various types of telephone receivers and electrical filters.

ments of telephone receivers, are shown in Figs. 7, 8, and 9. The oscilloscopes on the left, Fig. 7, show the type of data which constitute indicial response as

Fig. 3, and constitutes the standard of performance which can be obtained by this particular system of measurement. Each division of the oscilloscope represents .001 second, a somewhat faster film

*Part I appeared in our December, 1944, issue.

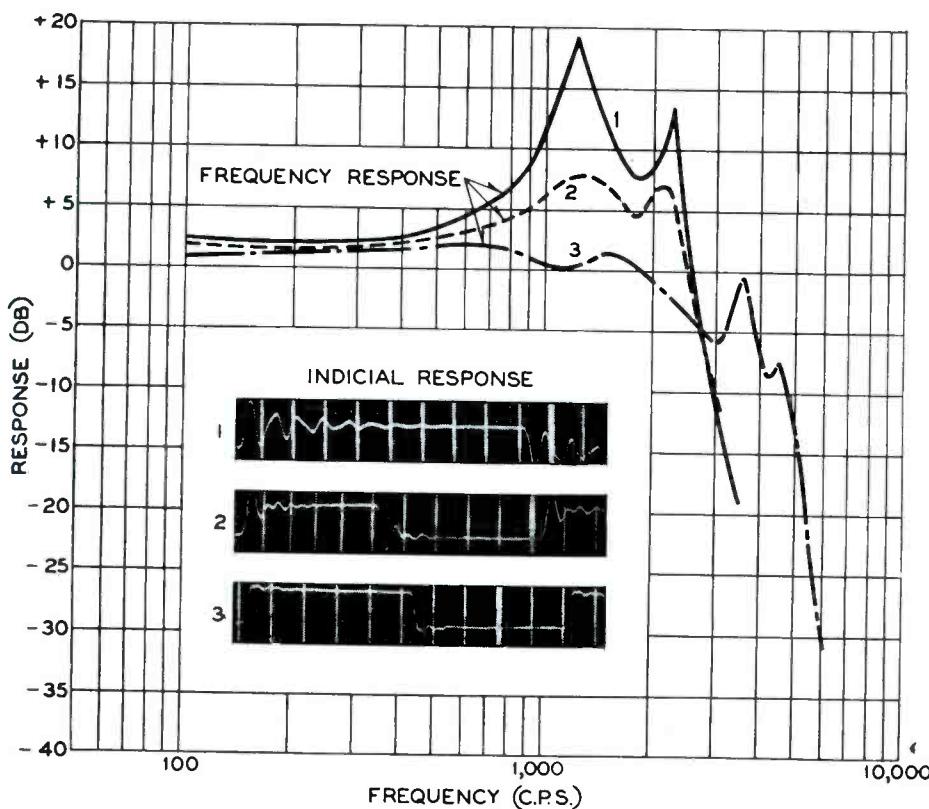
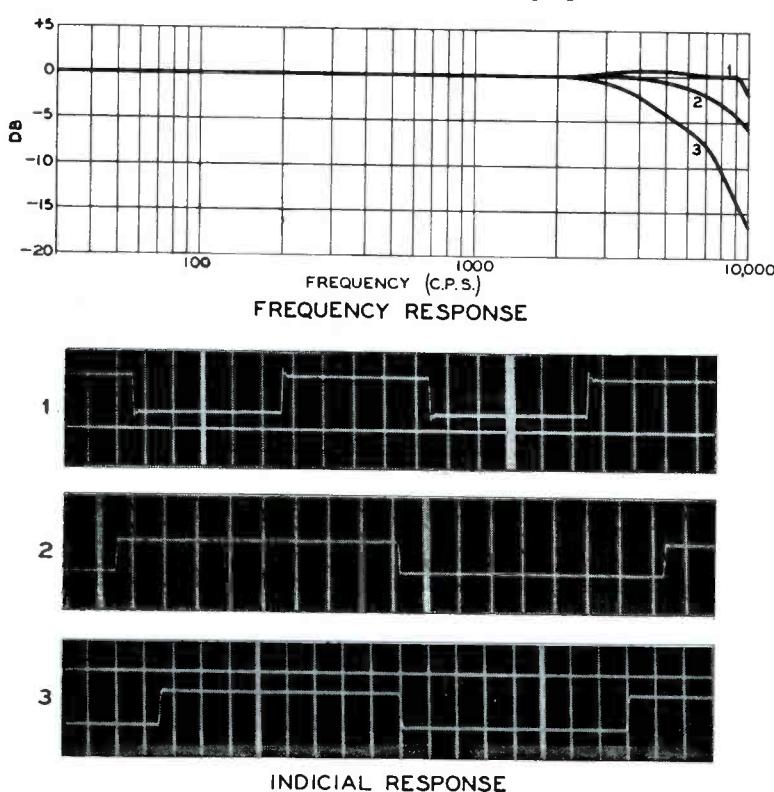


Figure 8
Three types of hearing aid receivers—Frequency response and indicial response.



Figure 9—String oscillograph characteristics—Frequency response and indicial response with different amounts of damping.



oscillations at the frequency of the leak circuit.

Curve 8 is a similar condition except taken on a high-quality receiver circuit. This also shows a similar effect. The initial pulse contains most of the receiver characteristic, while the curve which follows is mainly dependent on the leakage constants.

Curve 9 is taken on a high-pass filter of the characteristic shown. It may be proved that this curve is the inverted image of the corresponding low-pass filter characteristic, of which a similar curve is shown as curve 10.

The curves 7, 8, and 9 show that when the low frequencies are absent, the indicial response becomes too difficult to interpret. We must restrict our measurements to systems which are ideal at the low frequencies in order to interpret the indicial admittance by inspection.

Curves 10 and 11, Fig. 7, are low-pass filter characteristics, the former being a measured curve of a typical filter, while the latter is a calculated curve for an ideal filter. The two curves check reasonably well and indicate the effect of a very sharp cutoff as compared to those of the receivers shown above. This indicates the oscillatory nature of any system having a sharp cutoff at the upper frequencies.

Figure 8 shows a group of curves of the frequency response and indicial response of a group of receivers used as hearing aids. Curve 1 shows a very efficient but resonant receiver. Curve 2 is somewhat damped but still contains oscillations. Curve 3 is comparatively much better than either of the others from an indicial response viewpoint, and has a drooping frequency response characteristic, and demonstrates the advantages of this form of curve.

Figure 9 shows the effect of adding damping to the system of the string oscillograph when subjected to an ideal square wave. Curve 1, which has a virtually flat characteristic from 1 to 10,000 cps, is characterized by a sharp oscillatory peak in the indicial response. Curve 2 contains some oscillations, while curve 3 is substantially free from oscila-

(Continued on Page Thirteen)

No Surface Noise

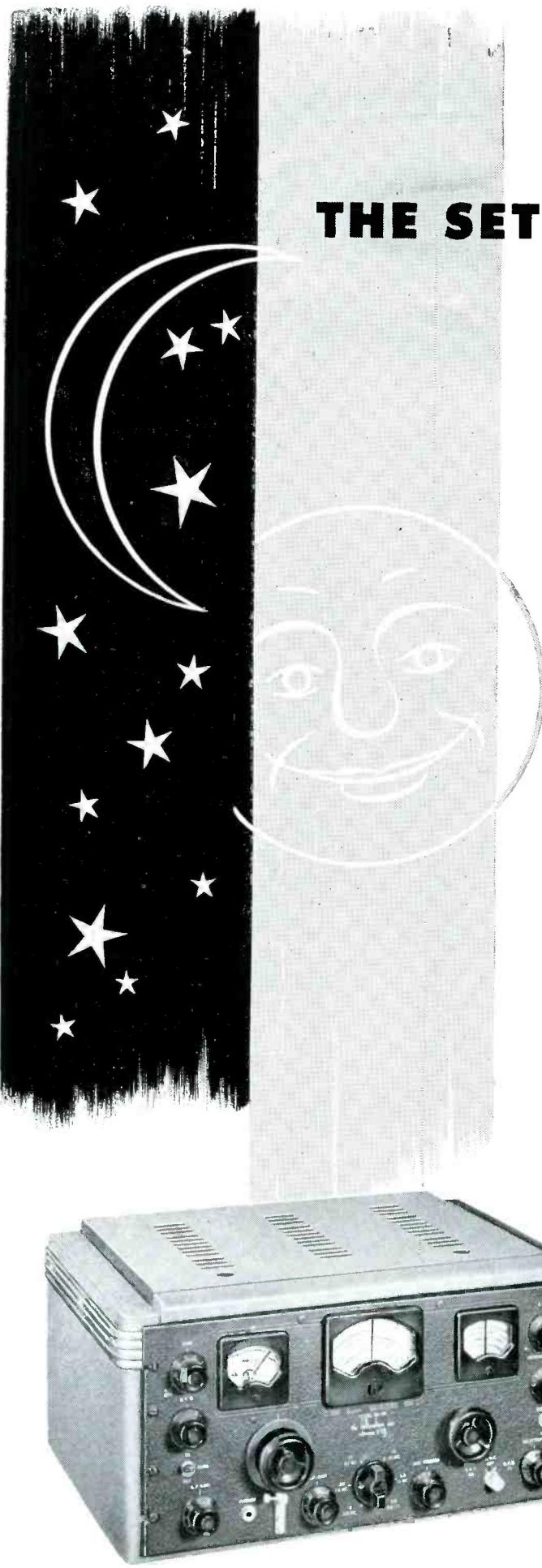
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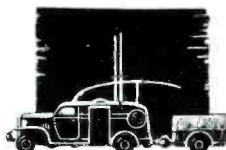
Inspector Jones writes:

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INDICIAL RESPONSE

(Continued from
Page Ten)

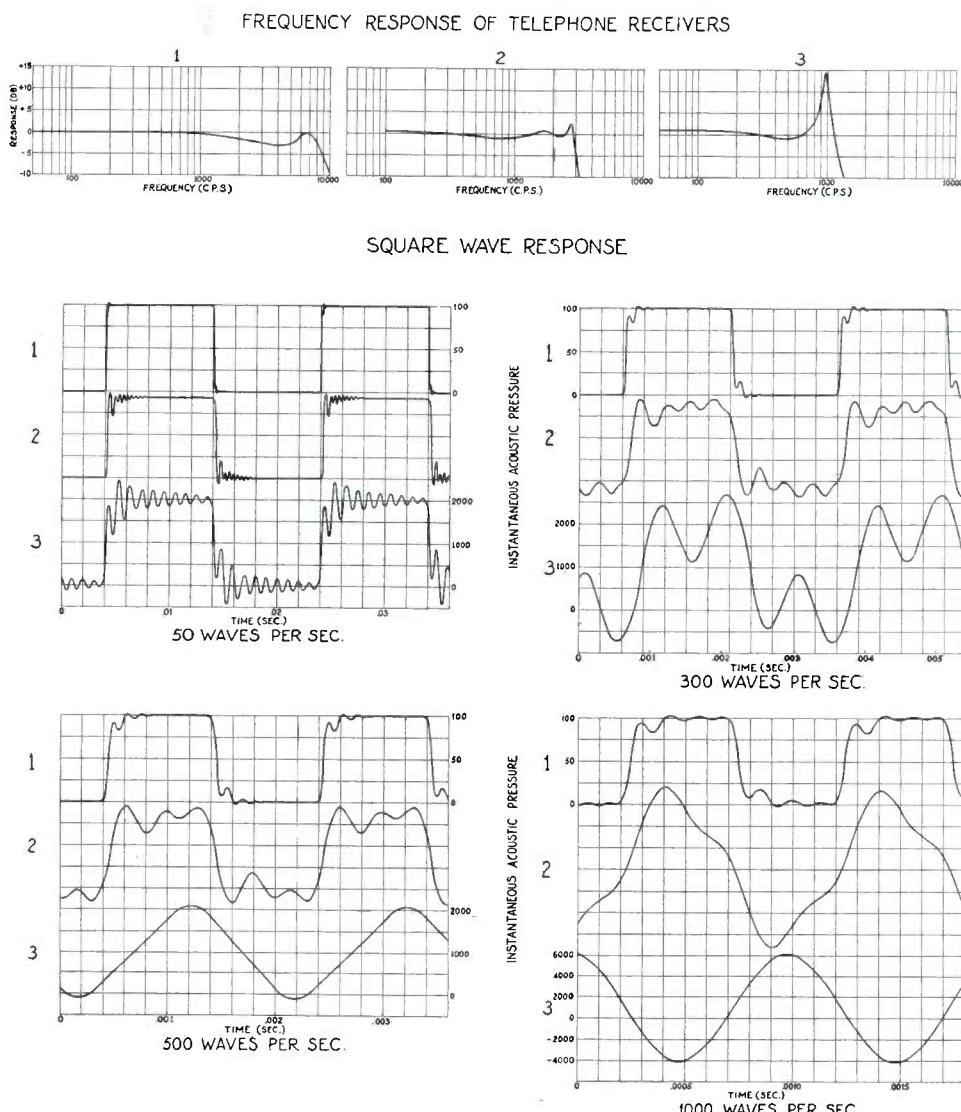


Figure 10—Transient response to square waves of three different types of telephone receivers denoted by Nos. 1, 2, and 3, whose frequency response characteristics are shown above. Note the change in each type of pattern as the frequency of the square waves is increased.

tions. The trend of these curves also shows the more faithful reproduction of transients obtained with a drooping frequency response.

Figure 10 shows the response to square waves of three receivers having different frequency response characteristics. The low-frequency waves of 50 cps are similar to the indicial response of the three receivers whose frequency charac-

teristics are shown at the top, Fig. 10. As the frequency of these waves is increased to 300 cps, a noticeable departure from the square form is apparent in receiver No. 3. Receiver No. 2 shows a slight departure, while No. 1 is virtually a perfect reproduction.

As the frequency of the square waves is increased to 500 cps, the receiver No. 1 still shows very little departure from

the original form. Receiver No. 2 maintains a fair approximation, while receiver No. 3 has lost all resemblance to the square form.

At a frequency of 1000 cps, only the first receiver maintains an approximately square form. Receivers Nos. 2 and 3 have both lost their identity and have become practically pure sinusoids. For all higher frequencies of the square waves, these two receivers will exhibit practically pure sinusoidal forms, due to the relatively sloping character of the frequency response at these frequencies, and the absence of harmonics. The same will be true of receiver No. 1 beyond a frequency of 3000 cps.

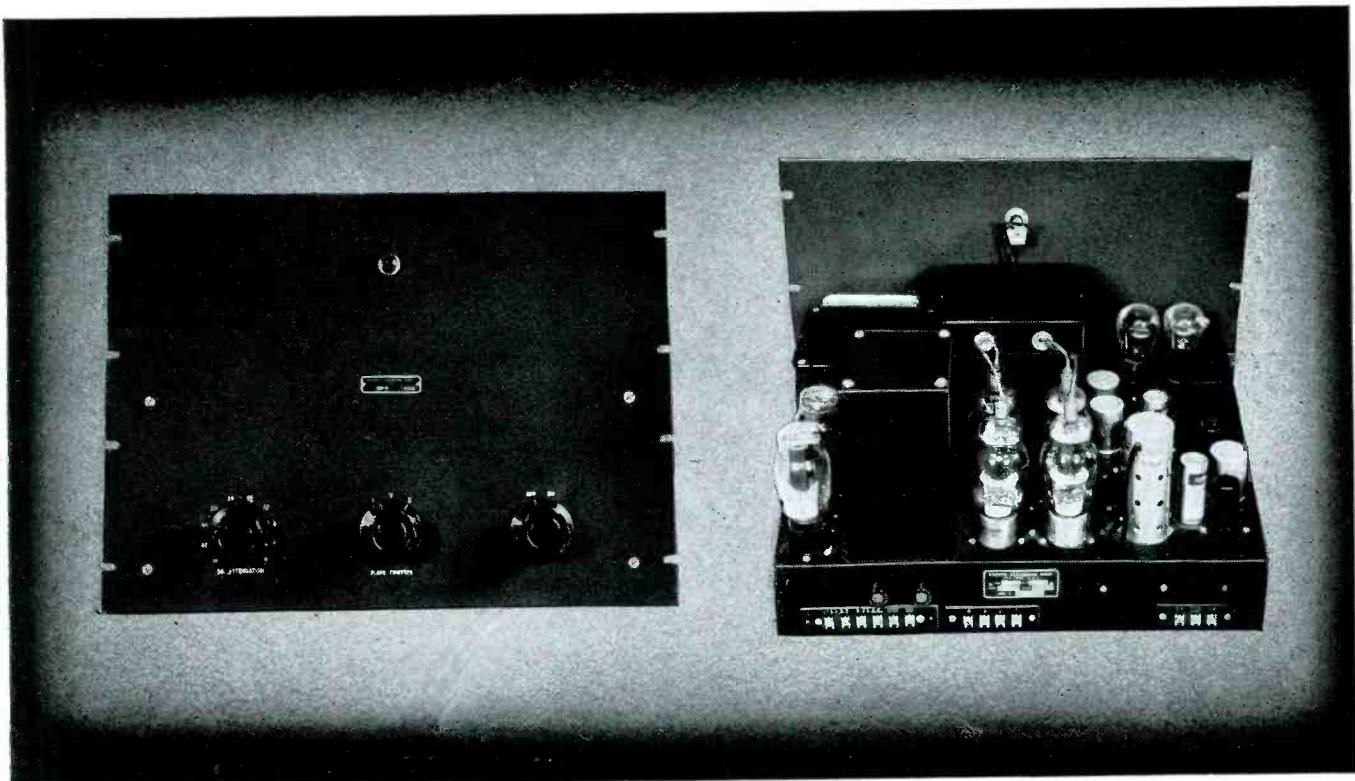
It will be realized, of course, that the patterns were obtained with square waves repeated at frequencies of 50, 300, 500 and 1000 cycles per second. While some speech waves approximate square waves in character such waves, when they occur, are repetitive only at the lower range of these frequencies. The above patterns were therefore obtained under conditions much more severe than are involved in the reproduction of speech waves and are included primarily for the purpose of illustrating the sensitivity of this form of analysis when applied to repeated square waves.

Conclusions

To summarize these data, it seems evident that square wave analysis may be applied in some fields of acoustics for both theoretical and practical applications.

In theory, the indicial response forms a somewhat different approach to the problem of obtaining the optimum characteristics of telephone receivers at the upper end of the frequency range. The greatest value of the square wave analysis lies in the fact that it gives us an entirely different conception of the behavior of an ideal sound system in terms of the unit function. The frequency response characteristic is ordinarily interpreted on the theory that any transient, such as an interval of conversation, may be represented by a Fourier series of sinusoidal frequencies of constant intensity.

(Continued on Page Sixteen)



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c.p.s. ± 1 db. (2) NBC orthacoustic recording response. (3) World-AMP lateral recording response.

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Toledo's Friendly Station - WTOL

By Bert Pruitt

F. J. SHEEHAN, Chief Engineer of Station WTOL Toledo, Ohio, informs us that the WTOL write-up in the September issue of the Journal brought much favorable comment. That isn't surprising; the Chief usually comes through with something a bit different. Red Skelton would say: "He dooed it again!" But inasmuch as we get paid for twisting knobs instead of rolling them in the aisles, we'll merely pass the Chief's story along to you and let you be the judge as to whether or not Chief Sheehan "Dood it again," or not.

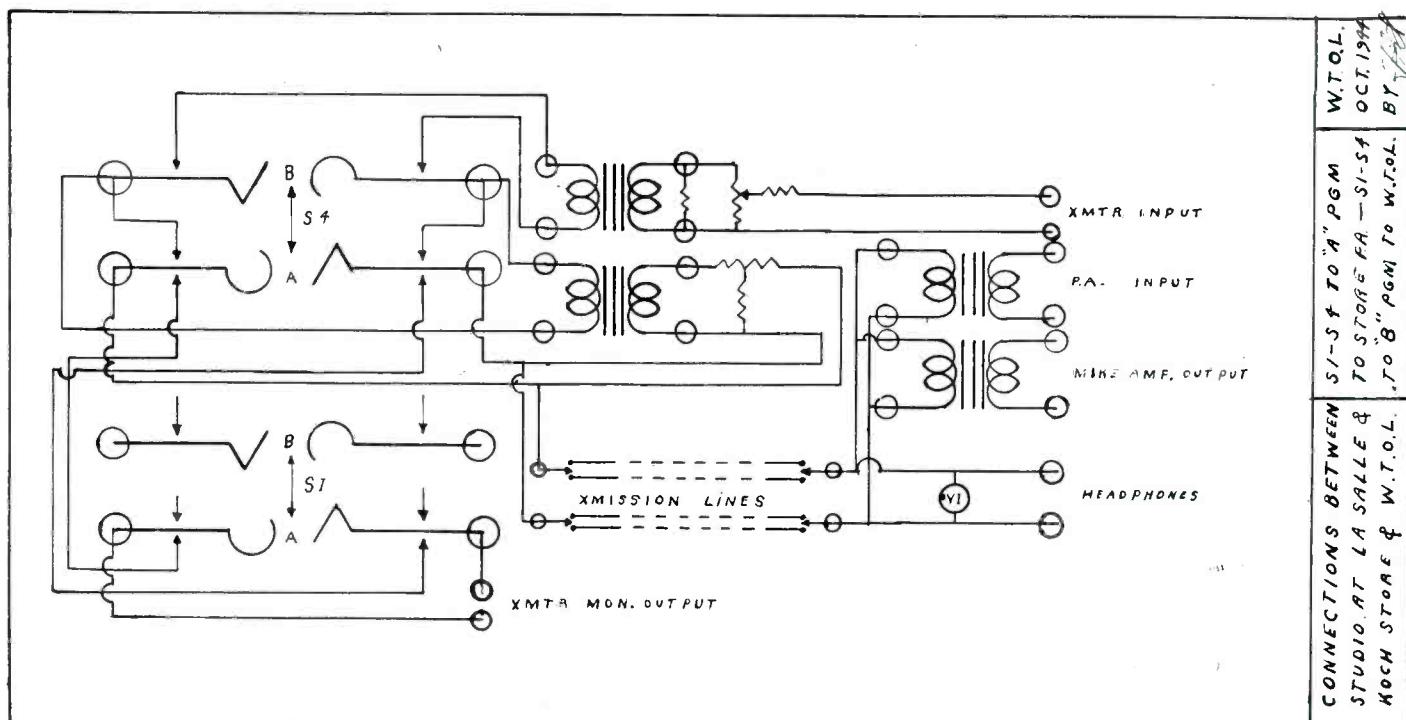
The Chief says La Salle and Koch's is a large Toledo department store and a long-time sponsor of a House-maker's Program which originated in WTOL's studios until the powers-what-be went into a huddle some time ago. From this huddle came the signal calling for a forward pass right down the middle of Kilocycle Lane. Workers began swinging hammers, sawing two-by-fours, and it is rumored that some plumbers threw clove hitches around modern pipes with pipe-wrenches, etc. In less time than it takes you to locate a pack of your favorite ciggies WTOL had built a super-duper studio-kitchen in the La Salle & Koch's Dept. Store Bldg. This studio-kitchen is so streamlined you naturally wonder how grandma ever managed to prepare those enormous Christmas dinners without giving grandpap a piece of her mind. Too many words about grandma and grandpap would be somewhat out of place in the BEJ, therefore lets hear what the Chief has to say about this studio. He says the studio is complete with kitchen, acoustically treated ceiling, and curtains all arranged to make



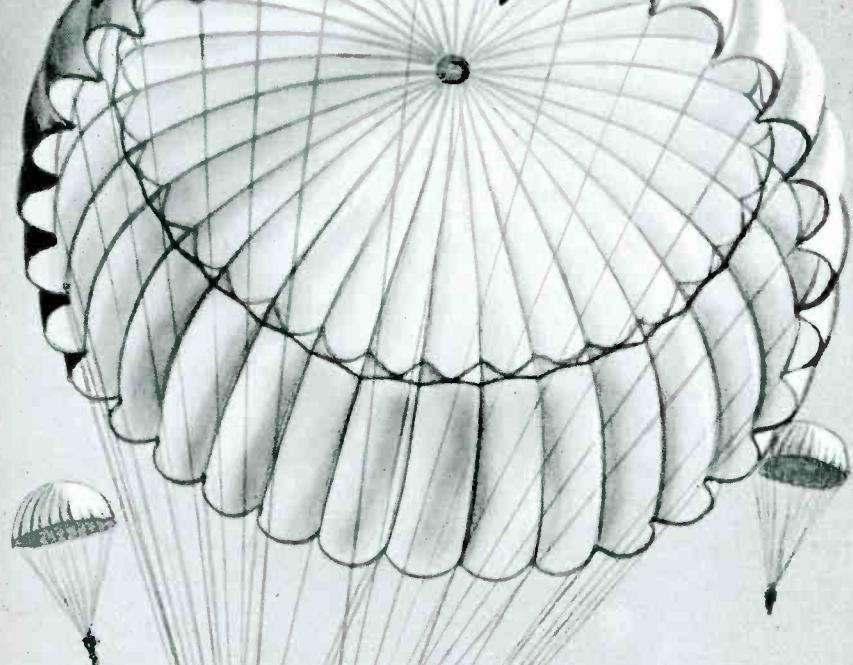
it sound good and look pleasing to all concerned. The participating audience occupies the studio kitchen and the prospective consumer sees, as well as hears, what the advertiser has to sell.

The engineer is located in the rear of the studio and has a clear view as to what is taking place. Delicious tidbits are intentionally placed within easy reach of the gain-grinder. It is whispered that no one to date has come up

(Continued on Page Twenty)



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Much of today's communication equipment is but remotely related to that in use when the war began. New Permoflux developments have meant increased efficiency for our fighting forces. The wide frequency response, extreme sensitivity and rugged mechanical design of Permoflux products have helped to achieve a standard of intelligibility heretofore unknown. Permoflux products will be available for many new post war applications.



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INDICIAL RESPONSE

(Continued from Page Thirteen)

sity lasting over the entire interval. If these equivalent component frequencies are to be reproduced in their true proportions, the ideal sound system must have mathematically uniform response for all single frequencies. On the other hand, the indicial response characteristic is judged from the Carson extension theorem, which shows that the more closely this characteristic approaches the unit function, the more perfect will be the reproduction of any given transient. Thus, the unit function and the sinusoid may be used as mutually complementary tools of analysis to show different aspects of the same type of problem.

In sound systems which are not ideal, due to inherent physical limitations, we tend to apply the Fourier Theorem out to a certain frequency, just as if it were an ideal system out to this frequency, and then beyond this frequency we do not attempt to sustain the higher frequencies. For most faithful reproduction of transients, it would seem that such practices might be altered somewhat to advantage by allowing the frequency response to drop off more gradually wherever it seems feasible to do so. The exact shape of the ideal curve under these circumstances is a matter of compromise between excessive delay on the one hand and excessive oscillations on the other. In practice, however, a fairly good picture is soon formed when curves such as the last in Figs. 6, 8, and 9 are found to approach the ideal more closely than those of other forms. Such listening tests as have been made tend to confirm these views, but cannot be regarded as being more than an indication.

Square wave analysis is somewhat limited in its practical applications to cases which may be interpreted by inspection. Systems having only a single cutoff frequency, or in the case of an additional low-end cutoff, ratios of the upper and lower cutoff frequencies f_2/f_1 of 100 or more, seem necessary to interpret the results by inspection.

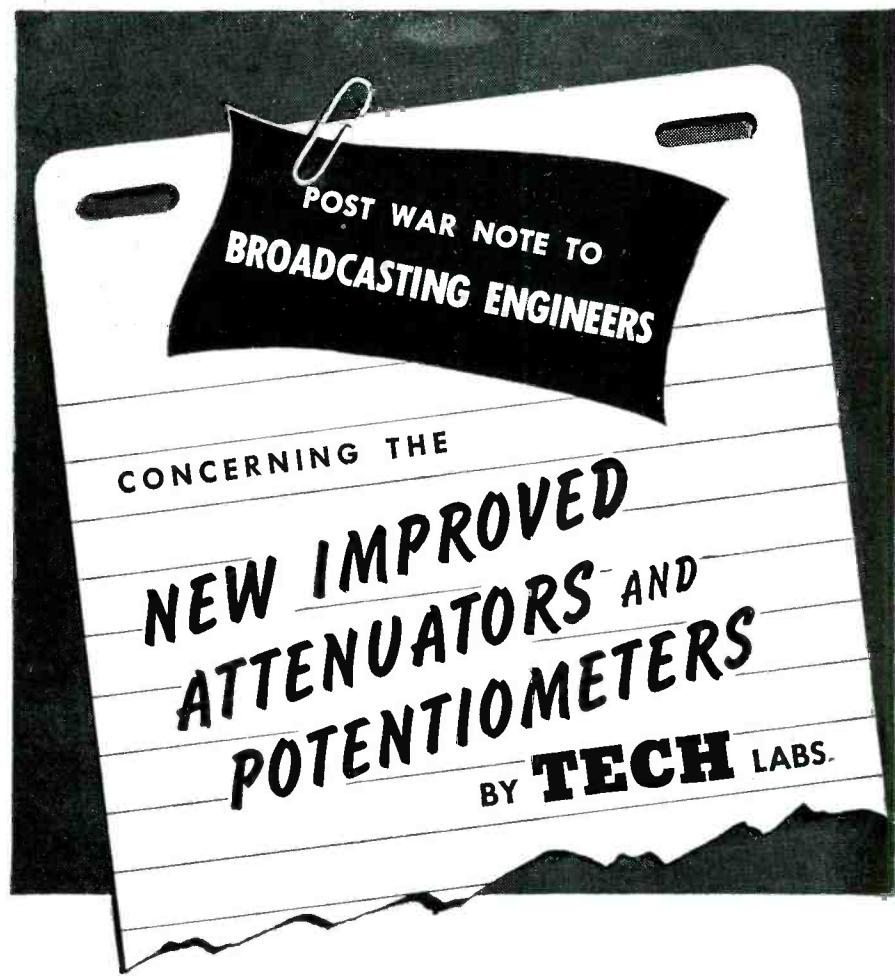
The use of indicial response is not necessarily limited to any particular

coupler or method of response measurement, since frequency response and indicial response are so closely related that one is a function of the other. The choice of a closed coupler measurement does, however, permit some interpretation of the results to be made by inspection, whereas other types of measurement may require laborious mathematical means to obtain an interpretation. Other types of vibration instruments, such as recorders, vibration pickups, crystal phonograph reproducers and carbon transmitters, which sustain their response down to zero frequency, should lend themselves to such methods of analysis.

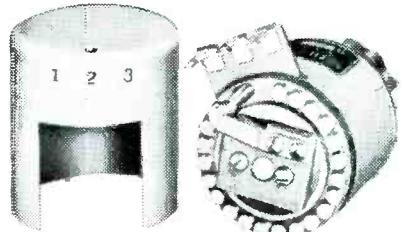
In conclusion, the writer wishes to acknowledge the assistance of Mr. T. J. Pope in connection with the oscillographic work of this paper, and to express his sincere appreciation.

Bibliography

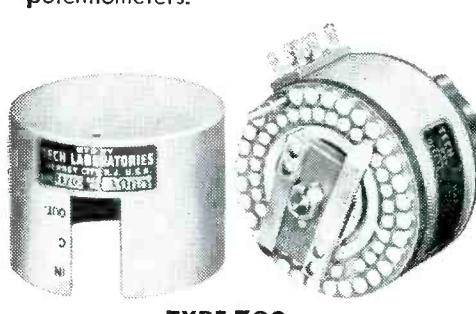
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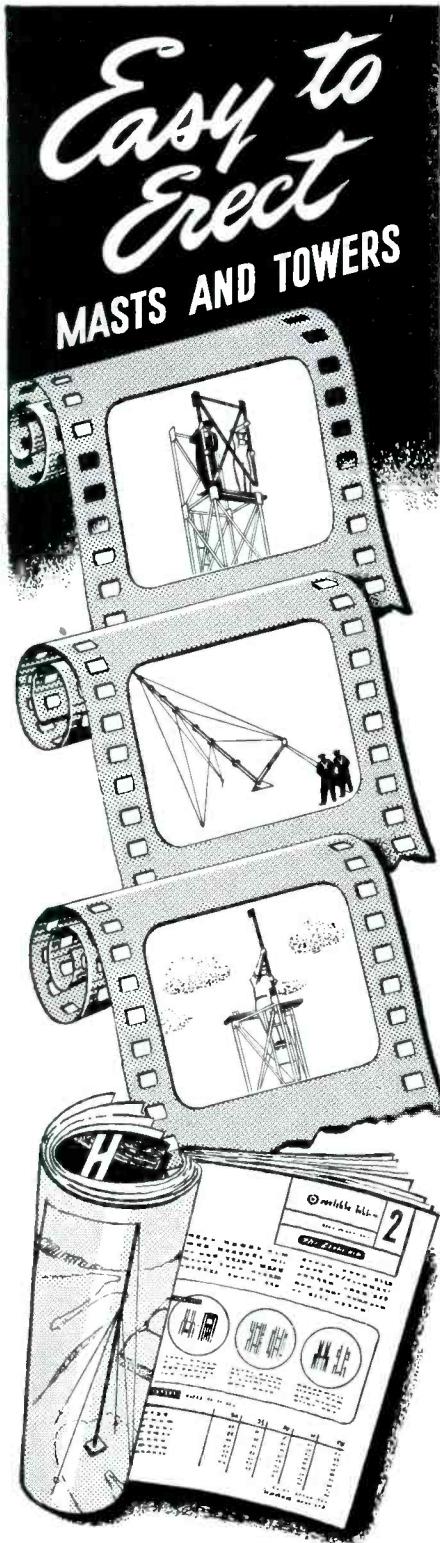
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STEEL CONSTRUCTION CO., Inc.
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OUR ENGINEERS*

By A. J. Airston, J. C. Baker and E. W. Kellogg, et al.

Who out of nothing gets a noise and fills the air with static
With coils and wires, a few glass tubes, some buttons automatic
Put within a wooden box by this fool gadgeteer
The air-disturbing, much perturbing Radio Engineer.

Who is the man who concocts and designs with magic weird and rare?
Who is the man who builds, connects and tests with skill and care?
Who shows controls and gadgets for operations quaint and queer?
The interlacing, transient chasing, Television Engineer.

Who is the man who sits all day with his brain on a mystic hunch?
Then suddenly jumps at the zero hour and drives all help with a punch,
To develop and style and draw and make a new world-beater idea,
The crazy hazy, circuitry-mazey, Research Engineer.

Who erased the titles from the screen and spoiled the silent reel?
Who is just two jumps behind and will not make a deal?
Who turns the theater inside out and worships his tin ear?
The acousticizing, synchronizing, Photophone Engineer.

Who makes the movies cost so much we can't afford to go?
Who makes things seem to happen that can't possibly be so?
Converts the finest human voice to sounds grotesque and drear,
The truth-defying, faking, lying, amplifying Picture Engineer.

Who takes a piece of wax, a bottle or two of shellac,
And preserves for future uses along a wavy track
Caruso's voice and Sousa's band, 'tho gone for many a year?
The hill and dale, music-wailing Record Engineer.

Who thinks without his products we would all be in the lurch?
Who has a heathen idol which he designates Research?
Who thinks his smells perfume the air and makes the eyes so clear?
The stink-evolving, flesh-dissolving Chemical Engineer.

Who is the man who twists the wires to get performance true?
And consigns a complete design to hell on the strength of a weak coil "Q"
Whose soul is in schematics and who takes circuits as a career
The coupling-compelling, distance-dispelling Electrical Engineer.

Who is the man who takes inventions hot from out the lab?
And work them up with complications, wires and conference gab,
Who misses the point, but meets the spec, his intentions are so clear,
The multiple-changing and super-arranging Development Engineer.

Who is the man who's on the hunt for infringements tricky and vague?
Who spoils designs and new ideas with a follow-up like a plague
And pays each victim a dollar a time, if he wins, as an "assigneer"!
The finicky, panicky, legally cranky Patent Engineer.

Who is the man that hunts for bugs in performance quality, size?
Who holds the axe and makes it clear if the finished product lies?
Who stops new lines in the shipping and instills a factor of fear?
The fault-finding, spec-minding, last-release-signing Test Engineer.

Who is it takes a transit out to find a sewer to tap?
Who then with care extreme locates the junction on the map?
Who is it goes to dig it up and finds it nowhere near?
The mud-bespattered, torn and tattered Maintenance Engineer.

Who does not mind the cost and thinks that money flows like water?
Who every little detail heeds — must more than they oughter?
Who thinks that every single job should have the greatest "keere"!
The expense-invoking, wrath-provoking Model Shop Engineer.

Who is the man who takes the parts and builds them into whole?
And invariably finds when he's half-way through his tools are up the pole,
Then juggles with specs and drawings till the design is accepted and clear,
The wangling, wrangling, model-mangling Mechanical Engineer.

Who tells you what the public buys, when it doesn't buy, its sold
And knows a thousand ways to make new products into gold?
Who when convention-minded puts the whole works on its ear?
The market pre-gaging, dealer-persuading Sales Engineer.

Who thinks he only has to ask and then it can be done,
Nor heeds if it is feasible, nor consults the proper one
Just how it ever can be made is never quite so clear
The full-of-promise, "sure-I-will", Commercial Engineer.

* Reprinted from THE SCANNER, RCA - Victor Division of RCA.

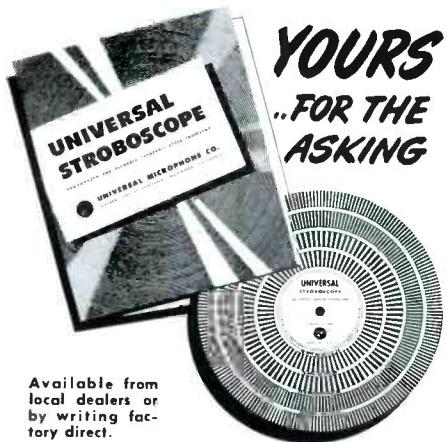
Harry Adelman

Well known in New York radio circles, Harry Adelman of Sun Radio Co., was married on November 18th to Miss Celia Cohen of Sheepshead Bay, New York. Our congratulations and best wishes!

Theatre Television Handbook

Offered by RCA Service Co.

A comprehensive handbook on the what, how, and why of theatre television has been prepared by the RCA Service Company for theatre managers and projectionists, it was announced by W. L. Jones, Vice President of the Company. The book, which will be ready for distribution before the end of December, is profusely illustrated throughout. Entitled "Theatre Television Handbook for Projectionists," the book will be mailed without charge to theatre owners, managers, and projectionists upon request to the RCA Service Company, Inc., Camden, N. J.



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This handy phonograph turntable speed indicator, complete with instructive folder, is now available gratis to all phonograph and recorder owners through their local dealers and jobbers. As a recorder aid the Universal Stroboscope will assist in maintaining pre-war quality of recording and reproducing equipment in true pitch and tempo. Universal Microphone Co., pioneer manufacturers of microphones and home recording components as well as Professional Recording Studio Equipment, takes this means of rendering a service to the owners of phonograph and recording equipment. After victory is ours—dealer shelves will again stock the many new Universal recording components you have been waiting for.



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Toledo's Friendly Station—WTOL

(Continued from Page Fifteen)

with a theory even suggesting this system doesn't go for smoother gain grinding. The pa system, the one that furnishes the studio audience with vocal watts, is located near the engineer. And since we have the pa back there with the engineer we might as well take a peep across the studio. Picture No. 1 shows you what we see. That's Russ Perry, WTOL Announcer, standing near his mike. Mrs. Dorothy Coon, director of the Home-maker's Kitchen, is seen interviewing a visitor.



Mrs. Dorothy Coon, Director of Homemaker's Kitchen; announcer Russ Perry.

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Here, as given by the Chief, is the technical data. They have the regular remote and lines. The pa in the studio is fed from the remote amp. This is done so that the same mikes serve both systems. The unusual thing about the remote is this; the program has always been identified by a theme (record) played at the station, this record being, different for each day of the week. In order that the audience at the studio can hear the theme, the switching arrangement illustrated is used. The engineer at the station throws the switches in the proper position and the theme is sent to the participating audience "via remote lines" and also to the transmitter. As soon as it ends, the engineer at the station throws the switches the other way; the engineer at the remote turns the proper mike faders and the program from the store is fed back over the same wires to the transmitter and also to the pa system. Chief Sheehan says that's all there is to it. And we thank him for the pictures, etc.

Special Mirrors and Lenses Enlarge Television Images

RCA Scientists Explain Projection System
At National Electronics Conference

THE characters and objects in a television image can now, like Alice in Wonderland, change their dimensions to fit their environment. And believe it or not, it's all done with mirrors—and lenses. The secret is not in a magic potion such as Alice found in the rabbit hole, but in a combination of achievements in optics, electronics, and mechanical engineering.

The principles and methods involved were explained at the opening technical session of the first National Electronics Conference in Chicago in a paper prepared by Ioury G. Maloff and David W. Epstein of The Radio Corporation of America.

It was the purpose of the conference to provide an organized medium for the presentation of fundamental developments in electronics, for the review and correlation of recent progress and work being done in divergent fields, and for the interchange of ideas on all branches of the science and its applications.

Reflective optical systems employing special types of mirrors and lenses, Mr. Maloff explained in presenting the paper, are used to pick up images from the face of the receiving tube and project them onto a screen suited in size to the requirements of the room or auditorium in which the images are to be viewed.

RCA systems for projection of television images, the authors of the paper stated, consist of a spherical front surface mirror and an aspherical lens. The non-technical reader may visualize the mirror as a shallow bowl, while the aspherical lens is flat on one side, with the opposite surface rising slightly at the center and at the edges, but depressed in the intermediate area. The surface contour of the lens renders it optically positive in the center with a gradual change to negative in the outer portions.

The gain in illumination on the viewing screen obtained with these new systems is about six or seven to one when compared with a conventional F:2. lens, it was revealed, and the quality of the images obtained is comparable with images produced by conventional projection lenses.

Because of more nearly perfect diffusion of the light emitted by the fluorescent face of a cathode ray tube, as compared to light from an intense source such as is used in motion picture projection, the paper pointed out, the efficiency of the conventional motion picture projection lens is extremely low when such a lens is used to project a cathode ray tube image onto a viewing screen. Any increase in the brightness of the image on the face of the tube could be obtained only at great cost. Attention was centered, therefore, on the problem of providing a manifold increase in the percentage of light delivered to the screen.

"It has been known for a long time," the paper continued, "that aspherical surfaces in combination with spherical or aspherical mirrors may be arranged into optical systems of high aperture and high definition. Astronomers have made use of this principle, but high costs and difficulties in constructing such systems have prevented their general use.

"Since the principle had been developed only for the



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infinite throw used in astronomy, much painstaking study and work was required to adapt it to short throw projection.

"Aside from this necessary adaptation of the principle, a major problem was the high cost of the aspherical correcting lens. It is not a naturally-generated surface, and there are no machines on the market for straightforward production of such surfaces. Astronomers produced them only by tedious, step-by-step methods. The apparent solution was that of molding the lenses from a suitable transparent material.

"After such a material was found, there remained the problem of making molding surfaces of metal in shapes of the negative replicas of aspherical lenses and obtaining optical finishes on the metal surfaces, but this was accomplished."

In one type of receiving unit described in the paper, the projection system is mounted near the floor of the cabinet, with its axis vertical, projecting the image straight up and onto a flat mirror inclined at 45 degrees to the incoming beam of light. The mirror throws the image onto a translucent screen which is built into the cabinet. Such an arrangement presents the advantages of compactness and a cabinet of relatively small depth which can be styled along the familiar lines of a radio console.

Because of their great light-gathering power, the paper stated, other types of reflective optical systems, built for infinite rather than finite throw, find very useful application in television pickup cameras under conditions of low illumination, such as during the last minutes of a football game or in direct pickup from a theatre stage.

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Dr. Baker — T.B.A.

NEW YORK CITY, Dec.—Television's potential for postwar employment and advancement of the United States is too great to be held up by those seeking perfection, according to Dr. W. R. G. Baker, General Electric vice president, in a recent (Dec. 11) talk to the Television Broadcasters Ass'n.

Our fighting men will need jobs when they return, so working within the limitations imposed by wartime restrictions, television should be allowed to progress to an early introduction to the country at large when these restrictions are lifted, he said.

Perfection is attended only as a process of evolution, and "products or services are not generally born full-bloom," it was pointed out.

Skeptics who say television is not technically ready would be nearer the truth if they said that television is not quite ready program-wise, Dr. Baker reminded his audience. This is no reflection on the television stations broadcasting now, he explained, because they are doing their best under difficult circumstances.

He found encouragement for better programs in the fact that television is beginning to attract the participation of those in show business whose co-operation, Dr. Baker said, is essential if programs are to be of high standards to attract large audiences for television's growth.

As further proof of growing interest in high-quality television programs he cited 21 major advertising agencies as having added television directors to their staffs.

Admitting that television presented to the public today is not "perfect," Dr. Baker said, "We must make certain that nothing is done to prevent such perfection as may be made possible by technical advances." Engineers of the industry agree that this condition is fulfilled, he said.

(Dr. Baker is chairman of the Radio Technical Planning Board which recently submitted its engineering recommendations to the Federal Communications Commission for the location of various services, including television, in the postwar electronic spectrum.)

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Season's Greetings

From the Engineers

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N. A. B. E. T.

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BLUE
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KFI
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KFSD
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E. Grey	R. M. Ward
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You performed those four great jobs under conditions which were trying enough even without the added burden—operating a plant that was getting no younger—getting along without replacement parts and new equipment—working longer and harder to make up for manpower shortage! Each new call found you ready—and you carried on between those calls just as though no special effort had ever been demanded.

To each and every one of you, a salute and gratitude from The Blue Network! May you enjoy a Merry Christmas and a New Year of peace and happiness.

THIS IS THE Blue NETWORK

AMERICAN BROADCASTING COMPANY, INC.

Season's Greetings

JOAN DAVIS

David Sarnoff's

Holiday

Message



DAVID SARNOFF

The great power of radio as a vital factor in the winning of the war is seen in the unprecedented communications achievements of the past year, and in the fact that radiomen—engineers, technicians and operators—are on every fighting front. They have established, maintained and operated the global communication lines so essential for coordination of the battle forces.

On the home-front, too, radiomen are engaged in essential work. In war production the engineer is developing and rushing the best of equipment to the fighting men. In saluting them, we salute also the American broadcast engineers who have designed, built and now operate the finest and most efficient broadcasting system in the world.

In extending the Season's Greetings, it is my fervent wish that the New Year will lead to victory and years of peace and happiness for the radio engineers and their families. May you find joy in work well done in service to your country, and share with your fellowmen in new pleasures of radio and television created by your handiwork in research, development and engineering.

A handwritten signature in cursive script that reads "David Sarnoff".

JACK BENNY

Broadcast Engineers' Journal **30** Yearbook :: January, 1945

A War-Time Christmas Greeting from Niles Trammell

During 1944 the broadcasting stations and networks have been privileged to render to the people of America a more important and valuable service than in any previous year in their history.

Hour by hour and day by day, news of the war on many fighting fronts has been broadcast to every American home. It is difficult to imagine how any day's broadcasting in the future can exceed the dramatic intensity of D-Day, June 6, 1944.

Even in the midst of war, the United States proved the strength of government "of the people, by the people, for the people" by conducting a presidential election which adhered to all our traditions of free speech and free choice. Broadcasting covered the campaign and the election even more thoroughly than in past years.

And, aside from war news and political programs, our stations and networks maintained program services of information, culture and entertainment which set new standards of excellence.

For these achievements, the people of the



NILES TRAMMELL
President, National Broadcasting Co.

United States owe a larger debt of gratitude to the broadcast engineers than they can possibly realize.

Speaking on behalf of the National Broadcasting Company, I want to thank you for what you have done—for long hours of painstaking vigil, for quick and resourceful action in emergencies, for intellectual capacity of a high order that seldom receives and never seeks publicity.

I extend to you every good wish for Christmas and the New Year. To those of you who have loved ones in the armed services I wish tranquility of mind. With all of you I share the hope that 1945 will bring this world out of darkness into the light of peace and freedom.

Niles Trammell



Season's Greetings

Charlotte Greenwood



**Greetings
from
O. B. HANSON**



O. B. HANSON

To the National Association of Broadcast Engineers and Technicians:

As this is being written, we await inevitable and decisive victory over our enemies.

Men's lives, superhuman efforts of combat and service, and vast quantities of material, have insured the success of this most powerful and complicated military effort of history, behind which were our country's tremendous technical planning and plant resources, factors which, in the final analysis, shape and decide all issues in our modern world.

Electrical communications, in all its branches, has proven a truly integral part of the war effort, as demonstrated by the unprecedented extent of its use in the present conflict. You, the engineers and technicians of the broadcasting industry in the armed services and in war supporting civilian activity can be proud of your contribution, both of personnel and experience, to the enterprise that on this third Christmas of the war is drawing to so successful a close.

As for the future, when our potentialities can be turned to the arts and pursuits of peace, there is foreseen a period of expansion and development of radio which will far surpass the two pre-war decades.

My sincere best wishes for a joyous Christmas Season and for a happier New Year.

Sincerely yours,

Orbanson.



B E J G

Broadcast Engineers' Journal **34** Yearbook :: January, 1945



Season's Greetings

Amos 'n' Andy

Freeman F. Gosden

Charles J. Correll



. . . with lotions of love

WALTER WINCHELL

ORCHIDS
As Usual

TO YOU DESERVING GUYS

TOM BRENEMAN

“Breakfast at Sardi’s”

PUBLIC SERVICE...
AN OBLIGATION
A PRIVILEGE
AN OPPORTUNITY



Only
"HOME CREDITS"
count

When "HOME CREDITS" run high a station attracts both listeners and advertisers. For, radio, after all, is a local medium—a part of the local community throughout which its signal is heard. And in spite of the great attraction of its network programming, it can be a complete success only if it is united with its listeners in a common bond of local community interests.

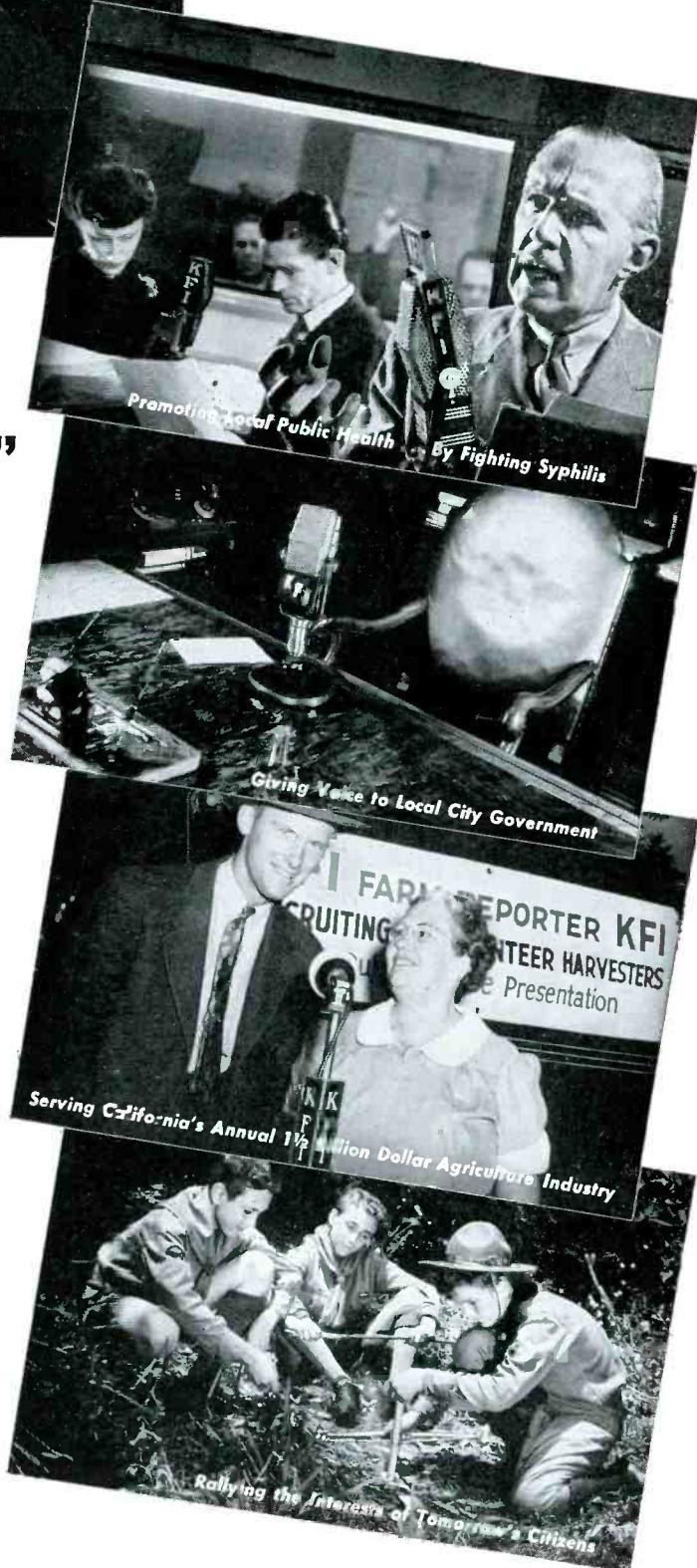
Without exception, the nation's great stations can attribute their greatness to the esteem with which they are regarded in their own community.

Leadership in purposeful local programming plus its NBC affiliation accounts for KFI's dominant position in the Los Angeles Market.

KFI...NBC for LOS ANGELES

50,000 WATTS • CLEAR CHANNEL • 640 KILOCYCLES

Barry C. Anthony, Inc.



EDWARD PETRY AND COMPANY, INC., NATIONAL REPRESENTATIVES

*A
Holiday
Greeting
from
MARK
WOODS*



MARK WOODS
President, Blue Network Company

The world of tomorrow will have as its cornerstone free speech and free communication between the peoples of the world. The United Nations, forged during the stress and strain of this great war, have been welded even closer by communications kept open despite difficult and at times heartbreaking conditions, by the engineers of the broadcasting industry. Without the willing and wholehearted cooperation of these men, radio's contribution to the war effort would have been negligible.

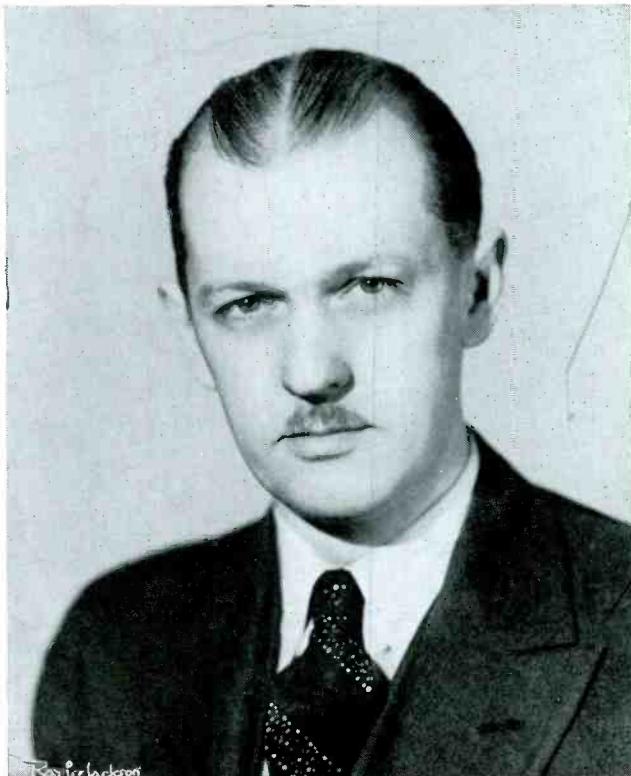
To the broadcasting engineers, working without applause, without decorations and without glory, we of the Blue Network pay tribute.

May next Christmas find the United Nations victorious and a just peace established for all the world.

Season's Greetings



BOB HOPE



G. O. MILNE
Chief Engineer, Blue Network Co.

G. O. MILNE

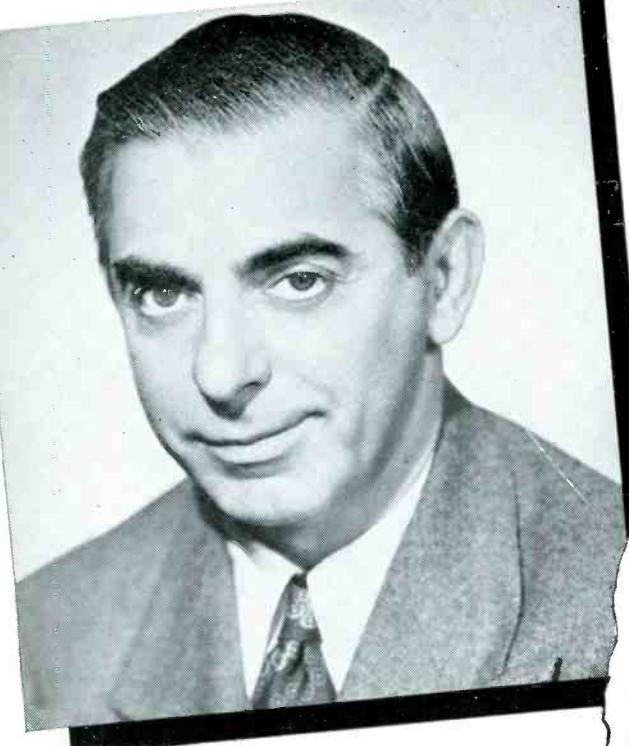
*Chief Engineer
of the*

Blue Network Company

The success of the radio industry's tremendous war effort is due in no small degree to the efforts of our radio technicians. The part you have played and will play in radio's vast future development will enable us to continue the steady march which made radio one of the major mediums of public service and entertainment.

My congratulations and best Season's Greetings to all radio engineers both in broadcasting companies and to those who are now serving in our Armed Forces.





“The doctors said
it was
the first time
he had smiled...”

Voice
Of

BROADWAY

By Dorothy Kilgallen

Let's Talk About Eddie Today

Eddie Cantor is just a little fellow with big, round eyes and thick black eyebrows that go up and down when he talks.

He is a classic comedian now, after some 35 years in show business; he can make people laugh quite easily, by singing or telling jokes or dancing up and down a stage clapping his hands, or sometimes just by standing still and looking slyly from side to side. And he makes a great deal of money doing this. But for some years now this part of his professional life has been only a sideline.

And that's why I thought it might be a good idea to talk about Eddie Cantor.

He has spent the last three years touring the servicemen's hospital circuit as well as Army camps and naval bases, and if I can believe my mail he has done better and longer shows for the boys than he ever did for money or the audiences of Broadway.

He made thousands and thousands of boys forget the hunger of homesickness and the bitterness of being crippled. And he did better than that. He made some laugh who had, quite literally, forgotten how.

I remember Eddie telling about it the last time I saw him. He had been joking about the routines he did—some of them plucked right out of the routines he did back in 1918—and the old songs he had been singing to the new crop of wounded warriors. He had discovered that the antidote for pain was about the same now as it was during the other war; and he had found that one of the songs the boys liked best was the ancient and corny “I Don’t Wanna Get Well, I’m in Love with a Beautiful Nurse” which he had sung to their fathers.

Then suddenly he stopped kidding, because he was remembering one show which he played to men who did not laugh. They were the

men who had been shocked and mentally stricken by the horrors of combat, and they sat looking at him with dull eyes and not one of them smiled. And halfway through the act a few of them applauded half-heartedly, as if someone had nudged them and told them to be polite.

Eddie was ready to weep with pity and helplessness, but he kept going. He told another joke, sang another song, and tried not to look at the solemn, tired, bored, old faces of the very young men.

And halfway through a song the miracle happened. A boy had been standing against the wall, looking out a window, not even seeming to listen, but some word in the song, or some note in the music reached out to him in his faraway world and touched him. He looked up at Eddie with a puzzled, searching expression. Then he smiled.

The doctors said it was the first time he had smiled since he arrived at the hospital, many months before.

I’ve never seen Eddie Cantor take a drink stronger than soda pop. But he told me that after that performance he went back to his hotel and really belted a bottle of Scotch.

Being human, he is unable to play these shows for the wounded and not be deeply marked by the experience. He thinks of them afterward, and so he is driven constantly by an urge which you cannot feel unless you have visited these hospitals and seen the men.

It is the urge to make sure that, whatever happens, they are never allowed to feel forgotten.

That’s why he is campaigning right now, as hard as he knows how—and he is a good, hard campaigner—to provide a Christmas present for every wounded soldier, sailor or Marine in every hospital in the country. It is his new cause, and I think it is his best one. That is why I thought I would talk about Eddie Cantor today.

★ In reproducing the above, Bristol-Myers is proud to pay tribute to Eddie Cantor for his unremitting efforts to bring smiles where smiles are most needed today.



A Holiday Message *from* **EDGAR KOBAK**



President
Mutual Broadcasting System

We've come a long way in radio communications in what seems like a relatively short period to those of us who started early in this business of broadcasting. It also seems like a long way in a short time to us who think further of practical radio as starting with that first feeble impulse to span the Atlantic. Now it is most apparent that since the first impact of the Second World War, we've undoubtedly come a longer way in even a shorter time.

In an effort to illustrate a message of gratitude to the men who have strived in this field all these years, I would like to relate the story of just one radio engineer whose energy and resourcefulness are so characteristic of that being shown by others now with the armed forces and here at home in helping sustain radio as an instrument for betterment in a democratic world.

The engineer was an enlisted man in the U. S. Army Signal Corps of the last war. He tried in every possible way to get into this one, but like many others, was rejected for minor disabilities. This man, who started his career as

a radio amateur, then went to work for long hours in a war plant, helping develop vital and secret equipment, and spent other long hours without pay as a signal lieutenant in the New York Guard. Recently, to his modest surprise, he was chosen as a civilian observer for the War Department, with all the rights and courtesies accorded to an officer in the rank of colonel. He is now up in the front lines with General Hodges army in Europe, happy that he can be where the going is tough. That's just one story, but I think it represents the courage and spirit and initiative of engineering genius without which our armed forces abroad and our people here at home could not achieve victory and further means of dissemination of information to help hold the peace for which we are striving.

A handwritten signature in cursive script that reads "Edgar Kobak". The signature is fluid and personal, with varying line thicknesses.





BEST OF LUCK

To the Boys Who Work So Hard

To Make Me Sound Well . . .

JIMMY FIDLER





A Message from WOR's President

Alfred J. McCosker

For three years our country has been at war. In the face of shortages and priorities, engineers have played a vital part in helping radio broadcasting hasten the day of Victory, to be followed, we hope, by permanent Peace.

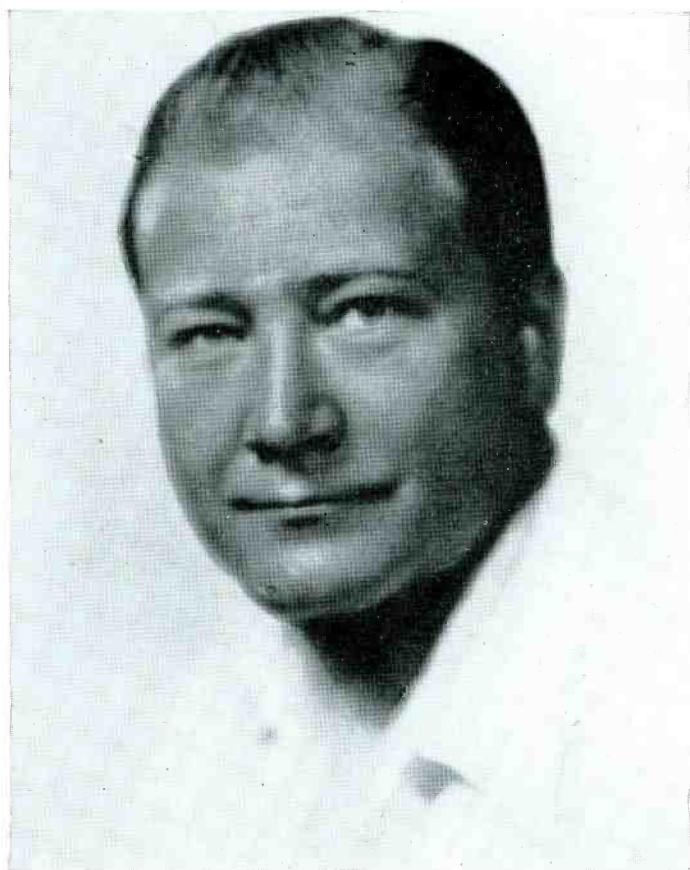
In the difficult days ahead I know that our high standards and quality of service will remain unimpaired because of your efficiency and conscientiousness.

With the Season's Greetings also goes the deep and sincere thanks of the organization and myself for your splendid work and cooperation.

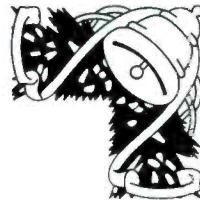
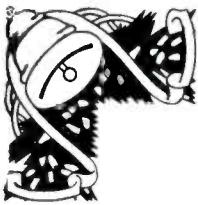

A handwritten signature in cursive script, appearing to read "Alfred J. McCosker". A horizontal line is drawn under the signature.

Pres. WOR

Season's Greetings



John Charles Thomas



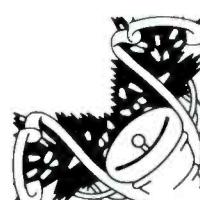
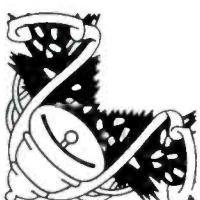
A Message from WOR's Chief Engineer

J. R. POPPELE

We have come a long way on the road to victory since last year. Our heartfelt thanks go to the men who have fought so well and who will continue to fight until the war is won.

Those of us in radio know how great have been the contributions of the industry's technicians — here at home as well as overseas — and we pledge continued support to our country's fighting men and continued service to the people of the country.

With my thanks to all radio men for a job well done go my sincere best wishes for a Merry Christmas and a Happy New Year!





From the Staff
of
The Broadcast
Engineers' Journal

F. R. ROJAS
Co-ordinator

Holiday
Greetings



ED. STOLZENBERGER
Editor



V. J. DUKE
Trustee



H. C. HILLER
Trustee



C. W. PHELAN
Treasurer



DAVE MOLONEY
Ass't Treasurer



TOM GOOTEE
Staff Writer — on leave



BERT PRUITT
Staff Writer

H. C. MEYER
Trustee



R. A. SCHLEGEL
Trustee



G. B. RILEY
Trustee





GREETINGS—

BERYL WALLACE

GILMORE FURLOUGH FUN

Broadcast Engineers' Journal **49** Yearbook :: January, 1945

JACK HALEY

“Sealtest”

EVERY THURSDAY

NBC

Season's Greetings

HAL “Gildersleeve” PEARY

and GANG

Season's Greetings

JOHN SCOTT TROTTER

*Kraft
Music
Hall*



Gauoli Makahiki Hou

(“Happy New Year” in Hawaiian)

HARRY OWENS

G r e e t i n g s



Dick Powell

tommy dorsey

Carlton E. Morse Productions

ONE MAN'S FAMILY
I LOVE A MYSTERY

and now

ADVENTURES BY MORSE

1500 Vine Street

Hollywood 28, California

Merry Christmas



Norman B. Neely Enterprises

420 Market Street

San Francisco 11, Calif.

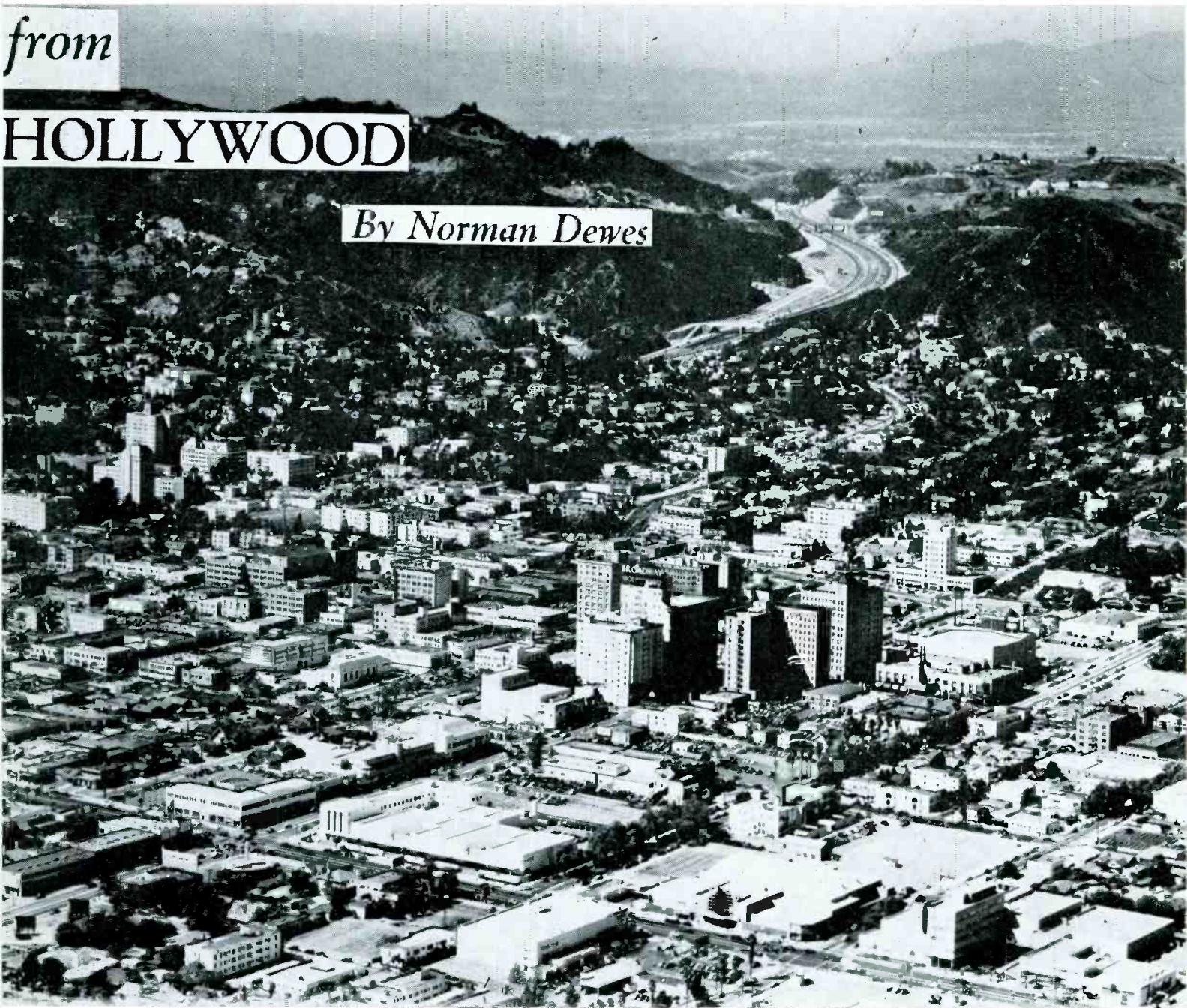
5334 Hollywood Blvd.

Los Angeles 27, Calif.

from

HOLLYWOOD

By Norman Dewes



GREETINGS of the Season . . . big changes . . . brass hats . . . weather . . . Television . . . pictures . . . and STUFF

MAY WE . . . thru the medium of this column, extend Greetings and VERY Best Wishes to all you guys who are ELSEWHERE this year . . . to Miv Adams and Frank Figgins and Roger Love . . . and Brooke and Cunningham and Onofrio . . . to mikemen Johnny Frazer, Dresser Dahlstead, Ben Gage, Ben Alexander, Clete Roberts, Ralph Rogers, Hank Weaver and Walter Arnold . . . and a SPECIAL "best of everything" to ex-Presy Jimmy Brown . . . HELLO . . . wherever you are . . . y vayan ustedes con Dios . . .

WELL . . . they SAY that one picture is worth a thousand words, so we're going to save a G words-worth

of space and take you on a LOOK'S TOUR of Hollywood . . . the photo which heads the reading this month is a pilot's-eye view of the Fabulous City . . . showing many of the spots we mention . . . and some we DON'T. Let's start at Sunset 'n Vine, the intersection in the lower left corner of the pic . . . the joint on the right is Radio City, with its three-story main lobby and four big audience studios fronting on the Terrace along Sunset Boulevard . . . Studios "E" to "H" are in back, with three floors of offices adjoining and the Parking Lot behind . . . the place has TWO addresses, 1500 N. Vine for NBC and 6285 Sunset for

(Continued on Page Fifty-eight)



Merry Xmas

to

You "Mixin" Men

from

JOHNNY MERCER

JO STAFFORD

PAUL WESTON

WENDELL NILES

HARRY MITCHELL

JUNE HUTTON

"Powerful" Pied Pipers



Season's Greetings

To All My Friends

GRACIE FIELDS

(“Our Gracie”)

Best Wishes
of the Season

LOU BRING

—Again with Gracie Fields
and
I Hope Again and Again . . .



YOUR BLUE-EYED BOY

Rugged
MICHAEL ROY

. . . Protecting arm and guiding
light of the working girl

. . . GRACIE FIELDS A SPECIALTY!



Best Wishes from the Cast of
“A Date with Judy”

LOUISE ERICKSON

MYRA MARSH

DIX DAVIS

JOHN BROWN

HELEN MACK, Director

Music by

PAUL SAWTELL

Musical Director

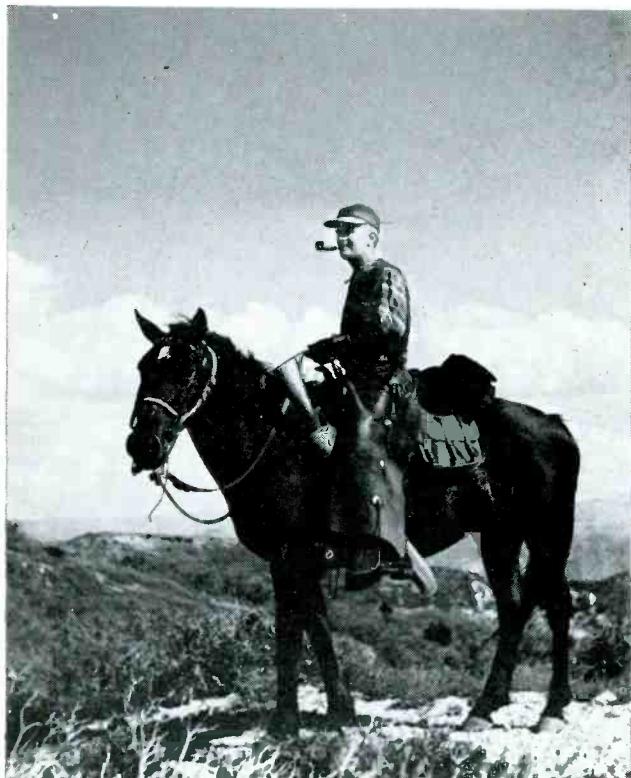
C. BAKALENIKOFF
(Courtesy R.K.O. Studios)

A SPECIAL BOW TO JOHN DE GRAZZIO

HOLLYWOOD

(Continued from
Page Fifty-four)

the Blue . . . going on down Sunset, we pass Earl Carroll's on the right and the big, sprawling Palladium on the left, with modernistic CBS studios and Brittingham's eatery across the street . . . turning the corner at the Palladium, one of the world's largest ballrooms if not THE, we go up Gower past the Legion Stadium where many famous fighters have slugged it out, to Hollywood Boulevard. Turn left and down the Enchanted Street past Pantages Theater to one of the most famous corners in the world, Hollywood & Vine . . . lair of WOLVES and mecca of Snapshooters . . . (the Chamber of Commerce paid thru the NOSE for this stuff, so soak it up . . .) Hollywood's only skyscrapers guard the Corner, and are the Taft Building, sheltering agencies and union offices, the Broadway Dep't Store and the Equitable Building, rumored recently purchased by the Blue for West Coast headquarters. Back of the Broadway can be seen the Knickerbocker, where NABET chapter meetings and OTHER affairs are transacted . . . and near the intersection is Sardis, home of the Blue's "Breakfast At . . ." Coming back down Vine Street, we pass the Plaza Hotel on the right and the Brown Derby on the left . . . the building with the Canadian Club cough syrup sign on the roof (Hack, hack . . .) Across near the corner is Mike Lyman's and the CBS Playhouse from which originates Lux Radio Theater and many Columbia shows . . . then on down Vine, past a block of swank agency offices, El Morocco, the Radio Room and other bistros . . . the Bowling Alley and the Tropics, where many radio people maintain their offices, plugging phones in booths and taking calls with one hand and NERVE MEDICINE with the others . . .



Art Brearley and Horse.

the big white structure across from NBC is Music City, home of Capitol Records and sheltering the Paris Sweet Shop, where we eat lunch when not invited to the Derby. Climbing back in our plane, we get back up where the cameraman was and looking over the heads of the Broadway Hollywood and the Knickerbocker, see a wide boulevard winding up thru the center of the picture, around to the left under the highway bridge and broadening out to sweep thru the hills . . . Cahuenga Pass . . . and beyond lies San Fernando Valley . . . you can see parts of Burbank, North Hollywood and Van Nuys, but before we enter the Vale of song and story . . . and Real Estate man's Shangri-La . . . a few parting glimpses of Movietown . . . the hills to the left of the Pass are the Hollywood Hills, inhabited by the Cliff Dwellers and scene of many an escapade . . . a good DX spot for 2 and one-half and 5, they're topped with Mulholland Drive which takes you down to the Coast and Santa Monica . . . nestled at their base, just to the left of the first bridge is the Bowl, from whence come "Symphonies Under the Stars" . . . and directly across, the Pilgrimage Play . . . the hills to the right are the beginning of Hollywood Knolls, retreat of many NBC and Blue engineers and announcers, including Denny, Pickett, Joe Kay, Ben Doty and Dresser Dahlstead . . . just a FEW minutes from Hollywood . . . by HELOCOPTER . . . further down the range and beyond our view is Don Lee's FM and Television station . . . and still further, Griffith Park Observatory and Planetarium. Now, over the hills and through the Pass where wagon trains once labored and thru which now run 12 traffic lanes and a double interurban line . . . to the Valley . . . Union Air Terminal and Lockheed, birthplace of the P-38's and the Constellation . . . Toluca Lake, home of many movie stars . . . Universal and Warner Brothers, Walt Disney and Republic . . . and, well . . . NAME it and we HAVE it . . . the towering range of mountains beyond are winter playgrounds before long, now . . . and embrace Mt. Wilson, future eerie of Television for Southern California . . . well, we haven't saved many words after all, but hope to have made you acquainted with the place where we live and work . . . and play, too . . . if you don't BELIEVE what you have heard about Hollywood, come out and SEE . . . it's all true . . .

CHANGES . . . are rather momentus this month and deserve top billing in the news . . . with De's shift from Sound to Sound Effects, ups occurred all along the line . . . our good friend Craig Pickett now warms De's former seat, surrounded by telephones and getting to look at Rhoda, the Beautiful Secretary ALLDAYLONG . . . with Don DeWolf now Sounds Effects Dep't Head, it makes Pick Operations Supervisor, and they couldn't have picked a NICER FELLOW for it . . . the lucky guy to take over job of Senior Robot (Master Control Supervisor) is our own Floyd Wetteland, also a nice guy . . . Al Korb becomes a Robot, j.g. (Junior Control Room Supervisor) and C. W. ("Wild Bill") Comegys, Jr. comes in from Maintenance to the Master Control Room . . . from pliers to pre-sets . . . if we can CATCH 'em all at once, will run a pic of The Brains in next issue . . . Comegys makes ANOTHER new voice when you dial "5" . . . and get the routine which goes something like this . . . "Drop and re-select, LAF and both sides, and the time is . . .

(Continued on Page Sixty-two)

IN APPRECIATION:

To a Grand Outfit of My Best Friends —
All Radio Technicians.
I Extend My Sincere Thanks —
And the Best of the Season's Greetings.

You kept me on the level in 1944 — as in 1943 —

EDWARD JORGENSEN, News Commentator, Pacific Coast Blue Network

Sponsored by—

Lambert Pharmical Co.—Listerine tooth paste and tooth powder.
Washington State Apple Commission—Jonathan and Delicious apples.
Kenu Chemical Company—Kenu Washing Powder.

Thanks to All of You, Honestly
FRANCES SCULLY

Holiday Greetings



Sharon Douglas



(“Let’s Take a Look”) KECA
("Speaking of Glamour") . . . Blue Network



To This Honor Roll of Men in the Armed Forces,
We Extend the Season's Greetings from the KFI and
KECA Technical Staff.

Greetings for '45

The Sportsmen

alias

The Fountainaires

alias

The Swanette

alias

The Bombardiers

alias

The Merrymen

alias

The Blue Ribbon Blenders



MAX SMITH

JOHN RARIG

MARTY SPERZEL

GURNEY BELL

Harold S. Christenson
Bryan T. Cole
William Erickson
Lloyd C. Fritzinger
Willard B. Guimont
Norman E. Leonard
Glen Litten
Leland D. Patterson
Ray Walling
James G. Wright

Good Morning, Americans!

This is Art Baker

reporting . . .

Greetings Through

The Glass

FLEETWOOD LAWTON

News Analyst
NBC





**Season's
Greetings**
**SPADE
COOLEY**
AND HIS
Western Dance Gang

Season's Greetings and Thanks!

The Hollywood NBC Announcers



John Saar
Don Stanley
Joy Storm
Irving Howard

Frank Barton
Val Browne
Doug Gourlay
Archie Presby



HOLLYWOOD

(Continued from
Page Fifty-eight)

WOOF!** speaking of greetings from MCD, Bro. Wetteland usually hits you with "Eyes 'n Ears of the Network," which is flashy but still not topping Jimmy Brown's used-to-way of giving time checks . . . a statement of the correct time in a few seconds, followed by the pungent "UGH" . . . then there's the guy who picks up the phone and announces matter-of-factly, "Radio . . .," which ALWAYS stops 'em . . . getting back to Changes, apprentice man Don Baker forsakes Recording to take up Studio duties, where he'll probably remain, having become a full-fledged Recording, Maintenance and Field Engineer . . . so far . . . sez he will like Studio, for that's where the GLAMOUR is . . . is he KIDDING? . . . Murphy, Raoul C., shifts from Studio to Maintenance to fill Johnny Morris' staff on account of Jamison, departed, which winds up the Changes Dep't. More shifts are cooking . . . so keep tuned for FURTHER developments.

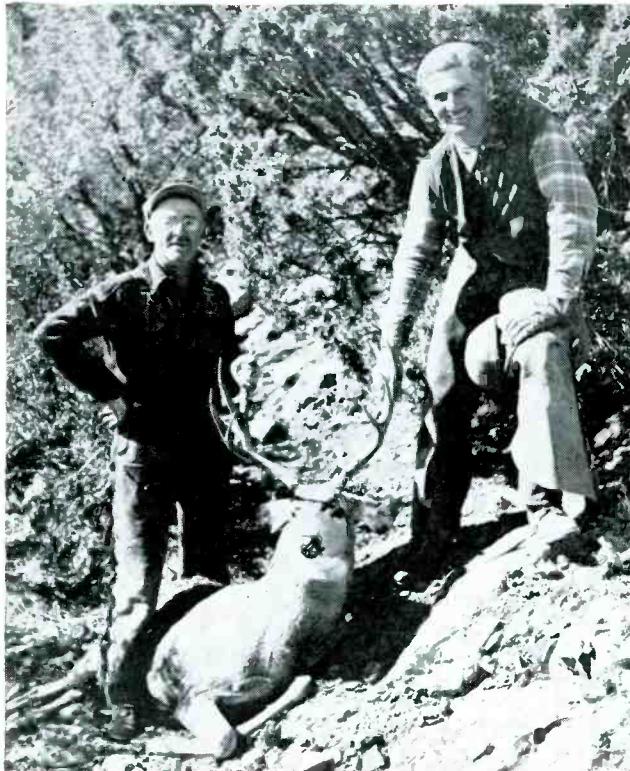
VISITORS . . . we were HONORED this month by some guest appearances of dignitaries from Noo Yawk and points East . . . a Mr. O. B. Hanson and Messrs. Ray (R. F.) Guy and H. C. Luttegens . . . "O. B." as he is known by in them parts, is Vice-President and Chief Engineer of NBC, Ray Guy is Radio Facilities Chief and the Guy who writes all those articles on antennas, etc. . . . hence the tag "R. F." . . . and Mr. Luttegens is Engineer-in-Charge of NBC's Central Division, operating out of Chicago. They spent a day or two up in San Fran and several down here, LOOKING AROUND and enjoying our incomparable California weather . . . the boys were fixin' to entertain 'em at a dinner and get-together,

but the gemp'men had to HURRY HOME, probably having forgotten to tell their wives where they WERE or something . . . they took RAIN CHECKS, tho, and are busy compiling the figures. Drop in again, fellows . . . and next time STAY LONGER . . .

WEATHER . . . a COLD wave has hit the Coast . . . following on the heels of the torrential fall rains, the EXTREME cold has caught Coasters finding that their top-coats would EXPLAIN it, but would take too long . . . gloffs and mufflers have been taken to the cleaners . . . the thermometer nailed up outside our bedroom window read 2 degrees above ZERO this ayem . . . SOMEBODY who lived there before had LEFT the thing and it reads in Centigrade, so we're NEVER able to tell just HOW cold it is, but it was pretty DARN cold, anway . . . Californians have evolutionized into sort of Climatic Chameleons, usually coming to work in one kind of weather, going out to lunch in another and home in a THIRD, altho some take the trolley . . . and THEN try to think up an answer to the little woman's query of "Where is the CAR, dear?" . . . and it seems that you have FORGOT and left it back at the Parking Lot . . . the only thing to do THEN is to laugh gaily and tell her a funny story and just when you are DOING FINE, she interrupts and sez, ". . . just SHAKE your HEAD, dear . . . !!" Mark Twain summed it all up about the weather with his remark about nobody DOING anything about it . . . (the boys in Air Conditioning QUESTION that statement) . . . when they get through with it, it always comes out DIFFERENT, anyway). They SAY you can get used to ANYTHING in time . . . including California climate . . . but guess we can take it as long as the Basement Boys can heat us up in the morning, cool us off during the day and warm us over again at night . . . and CONTINUE to air out the studios after shows . . . SOME need it even DURING . . .

TELEVISION . . . first Coastal commercial venture into radiopix was the half-hour show staged the other nite for Safeway Stores and aired over Don Lee station W6XAO . . . with Julia Lee Wright and our Larry Keating coming out of the cathodes with receipes and home hints . . . "listener" reports were good and sponsor was pleased, so more of the same are planned. Election Night saw W6XYZ, the Paramount station on with returns . . . station chief Klaus Lansberg announcing 'em IN PERSON, in shirtsleeves, lighting cigarettes, smiles and looking you IN THE EYE, a rather STARTLING effect, making you want to check and see if your SLIP is showing or something . . . then the camera would switch to a teletype printer banging out the bulletins, with ET'D musical background . . . camera was very close to machine to bring up size of print, which appeared about one-half inch on a 12" screen, so some sort of magnification must have been used . . . you could only see two or three words at a time on the printer page, making it necessary for the camera operator to pan back and forth constantly to give you the whole line as it was typed out, which became rather tiresome after awhile for both viewer AND operator we bet . . . a receiver was set up in the lobby of the Paramount Theater for public gaze and the whole idea was new and novel, but rather poorly executed as to production, in opinion of several viewers in our group. The Affiliated Television Committee mentioned last month has established a Television Workshop. Tele-

(Continued on Page Sixty-seven)



(Left to right) Trask Grant, ranch foreman; the Deer, and Hunter Art Brearley.

JAY BURNETT

his

"BIG"

Voice and

"little"

piano

Greets the Engineers

Best Wishes for '45

VIRNA FELTON

best wishes for the new year

DAVID STREET

Sealtest Village Store

Management—Sam Kerner

RON-OFF'S

Old Fashioned Foods

6349 Selma

Hollywood

FRANK M. PACEY

For dependable, accurate,
precision built radio and
electronic equipment and
plastic products, specify . . .

HOWARD



- ★ Crystal Holders
- ★ Octal Type Bases
- ★ Lead-Through Terminals
- ★ Transformers
- ★ Plastic Molding

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MANUFACTURING
CORPORATION

Council Bluffs, Iowa

HOWARD PLASTICS, INC.
Kansas City, Missouri

HOWARD PACIFIC CORP.
Los Angeles, California

OVER A DECADE

OF SERVICE

to the

**BROADCASTING
INDUSTRY**

•

*As another year rolls around
we take this opportunity to
extend to our many friends in
the Broadcasting Industry our
deep appreciation and our sin-
cere wishes for a successful
year to come.*

•

RADIO SPECIALTIES

COMPANY

Phoenix

Los Angeles

Season's Greetings



MATTY MALNECK

Greetings, Fellers!

ALAN REED

GAYNE WHITMAN

Westinghouse

Cavalcade

Pacific Story

N B C

Greetings and Appreciation

from

GLAMOR MANOR

CLIFF ARQUETTE

CHARLES DANT

HAL STEVENS



A Merry Christmas

to

Our Many Friends

The

Broadcast Engineers

from

RADIO TELEVISION

SUPPLY CO.

1701 South Grand Avenue

Los Angeles 15, Calif.

Greetings!

From

The Old Dart Dealer

ORVAL ANDERSON

"Darts for Dough"



The Best

To the Boys

KEN CHRISTY



LOS ANGELES NEWS

By Ernest F. Wilmhurst

WITH vacations and the election stowed away, it becomes tougher than ever to unearth news. H. Manville McDonald, our operations supervisor, was the last of the vacationers. He and the Mrs. forsook their gasoline buggy and bought a round trip ticket on the Greyhound Bus Line. However their bus trip from Los Angeles to San Francisco via Reno was never officially completed. Running into relatives in Reno, Mac found himself involved in business trips which took him all over somebody's half-acre. He's finally back at the city desk dealing out the assignments.

And while on the subject of assignments, our election itinerary was at least varied. An opening broadcast from the Mayor's office in the city hall . . . a dash over to the Hall of Records for number two. Then out to Disney's before dashing over the Perc Westmores for election bets . . . and then number five job and Columbia's Sound stage No. 3 for Paul Muni and Miss Chapman . . . by that time it was 6 p.m. and time to work, to work on dual pickups at the Democratic and Republican headquarters . . . Dewey was hanging on the ropes when we hit the hay at 2 a.m. The Republican headquarters served sandwiches and coffee. The Democrats served doughnuts but there were holes in 'em.

If NBC in Washington has any more open air Presidential pickups, we'd be glad to lend them our pet windhood for their mike. It's the most effective windhood we've run across. A bow to Columbia Picture Studios who designed it.

It's tough to run out of news . . . no earthy gossip, no fights . . . not even an occasional murder. . . . Still maybe there is murder. Maybe we're just so close to the trees that we can't see the trunk. Now you take those P & G-zez and General Mills Soap Operas. I often wonder just what goes on in the mind of a Soap Opera writer. . . . Even more astounding! What goes on in a Producer's mind when he chooses his cast for the show? Of course, when you have cast one of these shows you have stamped out the pattern for all of them. The show has a male doctor, a blonde nurse and two neurotic women who are closing in on the Doc, who is closing in on the nurse. Let's look in the file. . . . Ah! Now here's one for selling "Automatic Atom Soap."

Plot: Triangle. Vary from right-angled triangle to an isosceles triangle, use plenty of mental torture but do not kill off the characters.

Male Doctor: Voice modulation 75%. This voice should give the impression of 75 golfer who is deadly on the greens. Let the voice carry a feeling of holding a cold stiletto in one hand while cuddling a soft white kitten in the other. An appeal for both sexes, but for the male listener our doctor must sound as though he is willing to wait for his bill, but to the eternal feminine he MUST convey the idea that he isn't willing to wait too long. Height, five feet, twelve inches, Weight, 177 pounds. P & G insist that his reputation be '99 and 44/100 the percent pure.' In shorts . . . He must be an outdoor man with an indoor technique.

Blonde Nurse: No hint of dish-pan-hands in this voice. Sobbing not necessary. More of a blood type No. 3 with quick co-agulation rate. This character must be able to give the needle to our plot and keep the hypotenuse extended . . .

a cool-headed voice . . . except when off duty with Doc.

Angle Woman No. 1: Brunette. This is the one that is causing all the trouble. A sultry, double-A-in-a-triple-A, voice. The 8th, 12th, and 18th harmonics are suppressed yet speech must be sibilant while carrying a promissory note . . . breath control is very important therefore her pants must be close to the microphone at all times.

Angle Woman No. 2: Ash blonde . . . she wants to go back to it all. Friendly and understanding, her well turned tones must carry a message of impending osculation to Doc, who in turn lowers his voice a half-octave while giving her the brush-off. Ash blonde is due for the ash-can but sticks to her "money-back" voice in a desperate effort to hold "The Knife."

. . . And there you have the makings of a soap opera . . . just roll your own. I can see you in front of your radio . . . like an old Edison Phonograph. . . . You remember the trade mark? . . . Ears erect! Head cocked! Listening like mad! When I start manufacturing radios, I'm sure going to use that trade mark, but instead of the slogan "His Master's Voice," you'll read . . . "It Shouldn't Happen to a Dog."

HOLLYWOOD

(Continued from
Page Sixty-two)

casts to be worked up for release every two weeks over "top Hollywood stations . . ." We only have TWO, so guess that's a SAFE statement . . . there's an Academy of Television Arts and Sciences or some such similar-named group, abbreviated ARTAS just forming, too . . . more dope later . . . HERE'S a video teehee . . . its about two guys who were playing a game of CHESS over the Television and ONE guy's receiver had negative ghost, making the blacks WHITE and vice versa . . . they had one HELLUVA time for nearly two weeks, until they got WISE and reversed the boards . . .

CHIPS . . . Art Bearerly back from a very fine vacation hunting trip up in the Iron Mountains in Utah (see pix) . . . spot is new New Harmony and Cedar City and Art sez the hunting was excellent . . . everybody in the party got a deer and some ducks and one shot a mountain lion . . . Art had been saving up shells for his 30.06 for three years, hoping to locate somebody with enough GAS to get up there . . . trip was a combo cattle-purchasing safari, so it all worked out fine . . . Mrs. Jimmy Brown fixing to pull up stakes and move back to Washington to be with her NABET ex-Prex and now Naval Officer, who looks like he will be stationed there for the doo-ration . . . hope Jimmy has found a house, FIRST . . . Hilo Hattie making beautiful hand-made Hawaiian leis for the engineers and announcers who do the Harry Owensork pickups from the Grove . . . she and Harry are two swell people to work with . . . recent rains painting the Building in bright green water-colors . . . Heaven washing the dirty faces of the Village and drying them with the sun . . . engineers Ralph Reid and Don Baker chasing a poor little mouse (animal) up the corridor, who has been chasing the girls down ditto . . . finally cornering him in one of the

(Continued on Page Seventy)

Greetings from Hollywood Production

HOWARD WILEY (Production Manager)

ANDREW LOVE

BRUCE KAMMAN

WILLIAM BURCH

ARLAN DUNNING

REID KILPATRICK

RICHARD TATE

JOHN ZOLLAR

ROBERT DWAN

KARL GRUENER

CHARLES BUCK



Compliments of

LUD GLUSKIN

Musical Director

AMOS 'N' ANDY



Season's Greetings

KEN NILES



Kenny Baker Show

Abbott & Costello

Blondie

Life of Riley

Jimmy Fidler



William Morris Agency, Inc.



NEW YORK

CHICAGO

HOLLYWOOD



HOLLYWOOD NEWS

(Continued from
Page Sixty-seven)

phone booths and shutting the door . . . then all sit around WAITING for some girl to want to phone there . . . Lew Winkler, Maintenance, holding Buddy Twiss on the air with his BARE HANDS . . . power breaker for Studio "E" went out just before air time, so Lew stood behind the rack with a clip lead bypassing the juice for the WHOLE program . . . when interviewed after, sed he felt like the Tyke at the Dyke with his finger in the mole, UNQUOTE . . . "Muscles" Harris, the Set-up man at the Blue Playhouse arrived LATE one morning and it seems he has a TRICK clock which he winds once a YEAR and it always runs down sometime in November and he lost TRACK of it this year, what with one thing and another, and it ran down during the night and he woke up two hours SLOW and so was late . . . that's the way he tells it, and WE believe it . . . Red Faces Dep't . . . WHO were the UNFORTUNATE ONES who, when "O. B." came walking thru the Maintenance Shop on his recent visit to Radio City, were DISCOVERED playing Chess at the Dep't Head's desk . . . hamf, hamf, hamf . . . Eilers, Blue SE phoning around for a bumper for his Studie . . . some drunk climbed his frame and Johnny stood around in the rain keeping the fellow engaged in

talk until the gendarmes finally arrived . . . and went around honking like a seal for a week due to catching a sore throat in the deal . . . O'Kelly in Hlyd Hosp, having had his what-they-put-inside-footballs removed . . . or mostly . . . sez Jake, it's SURPRISING what you can get along WITHOUT . . . well, we don't KNOW, but there's SOME things that seem almost ESSENTIAL . . . Lorenz having some work done on his CROCKERY . . . and how do YOU feel?? . . . "RPM" McGaughey having a birthday . . . also an attack of ARTHRITIS . . . and him so young . . . guys in the newsrooms growing beautiful silky BEAVERS . . . say they're just tired of shaving but there MUST be more to it than that . . . maybe they're practicing up to be WAR correspondents . . . well, there's more news on the hook, but time and space are running out, and we've gotta get this on the plane to make the Yearbook deadline, so-o-o-o just time for a quickie . . . overheard in the Bowling Alley this ayem . . . 1st Voice (testing inter-com call system): "Hello . . . 1-2-3, 1-2-3 . . . Desk to Billiard Room . . . come in, please . . ." 2nd Voice: "Billiard Room to Desk . . . Roger". Happy New Year and very best of Season's Greetings to all Chapters and Stations . . . from Hollywood . . . BCNU.

Season's Greetings

RADIO RECORDERS

7000 Santa Monica Boulevard

Hollywood

Hollywood 3917

Broadcast Engineers' Journal **70** Yearbook :: January, 1945

Extending

Season's Greetings

To All Our Friends in Radio and the Armed Forces
From

JACK SCURLOCK'S
RADIO CITY BARBER SHOP
Sunset and Vine

Mirandy's Emporium
General Merchandise

at the
Farmers Market
Third & Fairfax
Los Angeles



Same "Mirandy" of the Blue Network

To the Engineers . . .
And Their HEAR-Y EARS

*With the Apologies
and Good Wishes
of*

RUPERT HUGHES

Season's Greetings
and
Best Wishes



HAROLD CURTIS
ORGANIST
“CORONET STORY TELLER”

Merry Xmas
and
A Peaceful New Year



VINCE ELLIOTT
POLLY MASON
BILL RATIGAN
ROGER SPRAGUE
KATHLEEN WILSON
JOE ALVIN

Why They Are Calling

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1. Prompt and Efficient Service.
2. Competent and Experienced Help.
3. Adequate Stocks Maintained at All Times.
4. Policy of Wanting to Serve.



Season's Greetings

to all

BROADCAST ENGINEERS

from

RADIO PRODUCTS
SALES COMPANY

238 W. 15th St.

L. A. 15 Calif.

PR — 7471

"Tell ya what I'm gonna do"

Season's Greetings

EDDIE MARR

Season's Greetings



Wendell Niles

Mel Traxel

Tom Kneeland

Ben Barker

Fred Trachsel

nbc photographers
hollywood

G
R
E
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G
S

The Secret of Radar

. . . or . . .

Killfidget Comes Through With the Dope for Christmas!



By
Tom McKaye

A LOT of strange and surprising things happen at Joe's Place.

Characters wander into Joe's saloon from the radio station. Then there are salesmen, song-pluggers, bums, bank presidents, street-car conductors, radio operators, all kinds of people. Everybody's treated alike, of course, as long as they have the price of their drink. And it's no secret around the Big City that for its size Joe's Place packs a terrific wallop.

I mean socially, not always alcoholic ally.

Because all the high-life and the low-life of our city wind their way through the saloon, at one time or another. And if you sit at the bar long enough, you'll see everybody of importance in radio broadcasting—as well as people from other industries of a more than somewhat questionable nature.

Well, it so happened that I was sitting at the bar in Joe's Place on Christmas Eve.

My being there is kind of like a tradition. I always visit the saloon on the night before Christmas. The fact I'm there every other night of the year is purely accidental.

But I must admit, as I sit there, this year it ain't the same.

Because the bar is almost empty what with so many of the boys away fighting the war—or out on field pick-ups, which is even worse. Poor old Joe—who is really a millionaire, and only runs the bar so he can help himself to free drinks—is sitting in one of the rear booths, marked: "Tables For Ladies." And Joe is swimming through a plate of spaghetti. A couple of rug salesmen in another booth were talking about laying a carpet; I think it was a carpet. And two drunks named Charlie were asleep under the stove in the kitchen.

I was very much alone.

And it's been like this, ever since the war started. I don't mind saying, I



would just as soon be in a uniform someplace as to have to struggle through a Yuletide like this—all by myself, drinking Hot Toddy.

Hot Toddy is just about the best refreshment I know of for Christmas Eve, or any other Eve, for that matter.

Well, anyway, like I said, I'm sitting at the bar in Joe's Place minding my own business, nursing a mug of Hot Toddy, and thinking about the good old days—when the front door slams and I get one of the worst surprises of the year 1944! Into my well-ordered 4F-type civilian life storms my Old Chum, my friend of by-gone radio days, the one character I least figure to meet in the Big City on Christmas Eve: Doctor Amos Q. Killfidget, the old slob himself!

More than somewhat loosely garbed in a very unpressed army uniform, that familiar gaunt frame of his was a sight for my eyes! Yes, it seemed like Old Times again!

For there he was, ambling toward me. The same old list to starboard, the

same old whacky doctor, the same old Killfidget.

"Hey, Doc!" I yelled. "Come here, you old son-of-a-gun!"

A smile crept across his withered, weather-beaten face.

"Here we are again, sir!" he managed to gasp. And I could see that three years in the Army had certainly changed the old boy—at least in some ways.

"I knew I'd find you here!" he announced, winding himself around a barstool. He was carrying a small tin box that looked like a lunch-box; and he laid it down carefully on the bar, as I whistled for Joe to bring on some more Hot Toddy!

"Just like old times!" said Killfidget, as Joe arrived with the necessary drinks.

A visiting fireman named Herb Kramer, a sailor named Royston, and two Salvation Army missionaries came in about this time. They were followed shortly by a taxi driver named Golder, and two blondes from an Indian reservation up the street. And in no time at all we were all laughing and celebrating the return of Private Amos Killfidget, welcoming my old friend back to the scenes of his greatest triumphs!

The homecoming of the Doc was such a special event that Joe bought a round of Hot Toddy for everybody—on the house, for a change. So we all felt pretty good about that.

When our temporary bar-friends realized they might get stuck for a round themselves, they began to disappear, however. And soon the good Doctor and I were left alone.

"Well, Doc!" I said. "What're you doing in the Big City on Christmas? And how is it you're not in the Guardhouse?"

"Believe it or not," he explained. "For the first time since I've been in the army, —I have a furlough!"

"They got tired of seeing you around,

(Continued on Page Seventy-six)

Best Wishes

DINAH SHORE

My Best to You,

Fellows

HARRY VON ZELL

Robert
Emmett
Dolan

BEST

WISHES

Joseph
J.
Lilley





Greetings
Fellows



Thomas Mancini

Charles Cantor

GREETINGS



THOMAS PELUSO

Musical Director



NBC WESTERN DIVISION

Season's Greetings

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Los Angeles

Aldo Bussi . . . Engineer

Representing . . .

AUDIODISCS
BURGESS BATTERIES
CAPACITRON COMPANY
GENERAL ELECTRONICS TUBES

Season's Greetings

Cordially

TED MEYERS

My very best to a
great bunch of guys

LOU KOSLOFF

MUSICAL DIRECTOR "LIFE OF RILEY"

KILLFIDGET'S RADAR

(Continued from
Page Seventy-three)

eh?" I quipped, almost splitting my sides with laughter.

"Maybe," said the Doc, dryly. He took a long pull on his mug of Hot Toddy, and gradually his pallid cheeks took on a warm rosy glow. The Doc was back on the beam again! "It so happens," he continued, at last, "the guardhouse is full. And since I've spent so much time in there, they figured—"

"Yeah! I know!" I interrupted. "I've been reading about you now and then in the *Journal!*"

We knocked off a few more schooners of Toddy in silence, both of us dreaming of the Old Days when we always met in Joe's Place on Christmas Eve,—and always seemed to get into trouble of one sort or another.

There's nothing like a Hot Toddy for bringing back memories, or bringing back anything else, for that matter. The Doctor stirred from his lethargy long enough to comment:

"This wondrous and enjoyable Toddy is not the chief reason for my visit here tonight!"

"That so?" And then I prompted: "You had another reason?"

"Ah, yes!" he admitted. "I thought you might be here alone, sir. So I came back—on Christmas Eve—to be with you, my old civilian friend!"

This thought touched me deeply. I am always sentimental after consuming some of Joe's delicious Toddy.

"Doc," I said. "You don't have any idea how much I've missed you!"

He lifted a shaggy eyebrow in my direction.

"How do you mean?"

"Well," I said. "Things ain't the same around the studios any more! Most of the boys away at war. You'd never recognize the old Master Control Room!"

"No?"

"No. It ain't the same, Doc."

"My goodness!"

"Why, Mister Blotz is even hiring babes for radio operators!" I explained. Killfidget was slightly aghast. "And worse than that, Doc, the old-timers have changed, too!"

"How?" he asked.

"You remember the political arguments and fights we used to have once a year, about who was gonna be Chapter Chairman, and all that stuff?"

"That's gone, too?"

"All gone!" I explained. "No fights. No arguments. Why, even George Maher has quieted down to a roar since Roosevelt was re-elected!"

"My goodness!" gulped Killfidget, finishing off another Hot Toddy. He wiped his mouth with his sleeve, in his usual fashion—and I noticed the absence of chevrons on his tunic.

"Still a basic private, I see!"

Killfidget didn't like my caustic comment.

"Well, I had a lot of bad breaks during the last three years," he explained. "I never seemed to fit in with the army's idea of what a soldier should look and act like!"

"That I can understand!" I snorted. But Killfidget ignored me.

"A Colonel Shidel once told me that if we ever won the war it would be in spite of anything I ever did!—And then there was all that trouble with Captain Limberg, and Lt. Thomasson of Washington. It was all too horrible to remember!"

"An old guy like you never had any business getting in the army in the first place," I said. "Why didn't you tell them how old you *really* were. And that it was all a mistake, when you were inducted."

"I almost did, once," said Killfidget, his eyes clouding with reminiscence—or maybe it was Hot Toddy. "I met a captain — his name was Tom Gootee, I think. He talked to me. And he said that if I wanted to, I wouldn't have any trouble getting out of the army. He said something about a Section 8, and seeing a psychiatrist.—But I never did anything about it."

It was up to me to cheer him up and make his furlough pleasant. So I slapped him on the back.

"Anyway, Doc!" I laughed. "I'm glad to see you back!"

"Thank you, sir!" beamed the old Doc. Little things like that made him happy.

My glance fell on the small tin box which Killfidget had brought with him.

"What'd you do," I quipped. "Bring your lunch?"

Killfidget patted the box mysteriously, and then leaned toward me. "You'd never guess what I've got in this box!" he whispered. "You'd never guess!"

"Probably not," I admitted.

About this time some of the boys from the studios dropped in for a quick one on the way home, and the subject of the little tin box was momentarily forgotten.

Among those welcoming Killfidget were Max "Call me Nemo" Jacobson, a local wolf known as James Throcklebush Thornbury, and a man named Sheehan from Toledo. It was a gay and festive

home-coming — particularly since we stuck Sheehan with five rounds of Hot Toddy.

After we had all lifted our mingled voices and sang lustily in praise of something or other—probably women—our friends went their respective ways, leaving the good Doctor and myself leaning against Joe's bar and contemplating life in the Big City at Christmas Time.

"Just like the Good Old Days," mumbled Killfidget. "I'm certainly glad I wangled this furlough from Major Walter Brown!"

"Incidentally," I said. "When do you have to return to your station?"

"In about a week," said the Doc, vaguely.

"Maybe you'll be sober by that time!" I quipped, laughing up my sleeve. "And if I'm not too inquisitive, just where is your station?"

"Sh-h-h!" spluttered Killfidget, leaning as close to me as possible, without falling off his barstool. "It's a secret!"

"What? You—involved in a military secret?" It was hard to believe!

"Ah, yes!" explained Killfidget. "My new work in the army! Very hush-hush. Very secret. After three years of basic training, the army finally found a job for me!"

"Radio?" I asked.

"Better than that, sir! It's connected with radio," he said, quietly, "in a vague sort of way!"

I was frankly skeptical.

"Tell me more," I said, draining another noggin of Hot Toddy.

"Gone are the days of my aimless wandering through the army!" said the Doc. "This time I've been assigned to something I know something about!"

"Well, what is this *something*?" I asked.

"It's a secret! Big secret! Military secret!"

"You're a latrine orderly?" I ventured.

"Technical work!" explained Killfidget. And that was all the information I could get out of him for several minutes.

During the silence that followed, a man named Hortsman came into Joe's Place to use the telephone. And I absently became engrossed in the conversation this man had with a visiting network executive, named Dolan, who had fallen into a nearby river by accident.

When this situation had been cleared up, Horstman had left, and peace again descended upon Joe's Place.—Killfidget moved close to me, cast furtive glances around the smoke-filled room, and con-

(Continued on Page Eighty-one)



May you have tall transmitters and
strong tubes in 1945

Terry O'Sullivan

Season's Greetings



E. Broox Randall & Sons, Inc.

INSURANCE

For Every Purpose

5901 Sunset Boulevard

Hollywood 28, Calif.

Holiday Greeting from

HAVEN MacQUARIE

"Noah Webster Says"

"The Marriage Club"

"Do You Want to Be an Actor?"

Coast to Coast Radio Favorites

"Thanks for Moving the Mikes!"

NBC Hollywood Press Dept.

Hal Bock, Mgr.

Homer Canfield

Bertie Nichols

Les Raddatz

Baldwin Sullivan

Martha Curry

Greetings to
a Great Gang



PAUL PAGE

and His

Pages of Memory



Merry Christmas and a Happy New Year

RAVENS CROFT COMPANY

Radio and Electronic Distributor



2320 S. Hill Street

Los Angeles 7, Calif.

Phone PR. 1317

Season's Greetings



RADIO STATION

KFSD

San Diego's NBC Station

A. F. R. A.

Alys Phreaner
"Bill" Ely
George Reed
"Len" Lundmark
"Russ" Plummer

GREETINGS

N. A. B. E. T.

Guy Glenn
Virgil Anderson
Verlon Clark
Edwin R. Anderson
"Gene" Durham

KFSD — San Diego

Greetings to the Broadcast Engineers' Journal

From the Cast of

"THE GREAT GILDERSLEEVE"

EARLE ROSS Judge Hooker
PAULINE DRAKE Bessie
BEA BENADERET . . . Eve Goodwin
VYOLA VONN . . . Delores Del Rey

LOUISE ERICKSON Marjorie
DICK LE GRANDE . . . Mr. Peavey
WALTER TETLEY Le Roy
LILLIAN RANDOLF Birdie

CLAUDE SWEETEN — Musical Director

Thanks to all
The Boys



KEN CARPENTER

Our Thanks to the

INDISPENSABLE MAN

The NBC Engineer



John Whedon and Sam Moore

"THE GREAT GILDERSLEEVE"

The Leo J. Meyberg Co., Inc.

"California's Oldest Electronic Distributor"

... Complete stock of all major lines

... RCA Distributors

... For your convenience, branches in
San Francisco and Los Angeles

For prompt, courteous and specialized service

"CALL MEYBERG FIRST"

THE LEO J. MEYBERG CO., Inc.

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70 Tenth Street
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Holiday Greetings

from

REED BROWNING
ROY DRUSHALL
JOHN M. KENNEDY
DOUGLAS PLEDGER
HARRY WALSTRUM
COLEMAN WILLSON
VICTOR PERRIN

Blue Network . . . Hollywood Announcers

Holiday Greetings to the Engineers
of Southern California and Arizona

W. BERT KNIGHT CO.

908 Venice Blvd.

Los Angeles 15

Representing

SHURE BROTHERS
Cornell-Dubilier Electric Corp.
Ward-Leonard Electric Company
Allen-Bradley Company

KILLFIDGET'S RADAR

(Continued from
Page Seventy-six)

fided: "Sir, I want to tell you about my new work in the army!"

"Your secret work?" I said, trying to be comic.

"It is secret!" insisted the Doctor. He moved closer. "What's the greatest invention to come out of this war?" he whispered in my ear, spraying me with Hot Toddy fumes.

"I don't know," I said. "The WACS? Or maybe the WAVES? Or—"

"No, no, no!" interrupted Killfidget. "I mean the greatest technical discovery!"

I thought it over for a minute, drained my glass of you-know-what and nodded my head. "I don't know, Doc! What?"

The old man looked behind him stealthily, then he took a deep breath and hissed one word—one terrifying word:

"RADAR."

"What?" I exclaimed. My first reaction was one of disbelief. "You, "I demanded, "in *radar*?" It didn't seem possible!

But he nodded his gaunt greying head in assent.

"Secret development work," he confided, in heavy whispers.

"In radar?—I'd never believe it!" I said. "Where?"

"Can't tell you! Military secret!"

"Oh."

"You're not in the army," he said, a shade too meaningfully. "Can't tell you where!"

"But at least you're doing radio work!" I said happily, trying to forget my draft board.

"Yes," said Killfidget, sadly, "in a way."

"What d'you mean, in a way?" I asked.

But he didn't answer. I didn't know what he meant until later that night.

"Tell me, Doc," I said. "What's this radar business all about? Is it as good as I hear?" Is is really winning the war? Is it—?"

"Can't tell you!" interrupted the Doctor, haughtily. "Military secret!" It was clear he had the advantage over me. And I was just a little depressed.

"But I can tell you about my own radar device!" he whispered quietly. "My own radar set, my own development!"

I brightened noticeably.

"Your radar development?" I asked.

"Ah, yes! Absolutely!"

Killfidget drew the little tin box near him, and clutched it protectingly.

"Inside this tiny box," he went on,

"is my own special radar system! The greatest discovery of this war!"

I was stunned, almost speechless.

"You mean—" I started to say, and stopped.

"After many weeks of experimentation," confided Killfidget, sounding exactly like Peter Lorre in those spy movies, "I have perfected my own amazing radar system. Better than the army's! Better than the navy's Better than anybody's!"

I had never known Killfidget to be so modest. Something was up! And it certainly sounded important!

"Let's have a look!" I asked.

"Not so hasty!" chided the Doctor. "I'll show it to you, sir! In due time!"

Suddenly I became alarmed.

"But won't the Government object?" I asked. "Won't you get in trouble, telling me about such a secret radar device?"

"This," said Killfidget, patting the tin box, "is something that no one knows about—yet. Except me!" He leaned closer, and then whispered huskily: "This radar set was developed on my own time, at my own expense!"

"No!" I managed to gasp.

"And to prove my undoubted loyalty to the United States,—as soon as I have tested the range of this amazing set—I intend to donate it to the army. For free!"

I could hardly believe my ears! Old Doctor Killfidget, the laughing-stock of the army, the forgotten-man of the radio industry, had returned to the Big City with his own radar set! And he was going to show it to me, first of all! Me, a mere civilian!

Naturally I was quite excited, and full of technical questions.

"It runs on batteries?" I asked, staring at the small black box that looked so much like an ordinary lunch box.

"Ah, no!" whispered the Doc. "Generates its own power!"

"Are you kidding, Killfidget?"

"Sh-h-h! Military secret!"

What a windfall! What a momentous Christmas Eve this would be! I was soon to view the Doctor's own invention, his own radar set—a secret that was probably priceless, a secret that would probably win the war all by itself! The immense importance of the Doctor's mysterious set struck me suddenly, and I realized that Killfidget was probably standing on the threshold of history. His name would long be remembered in radio history! Why, he might even be written-up in "Q-S-T."

The Doctor looked around him with great caution.

"We couldn't discuss my radar set here at the bar!" he said. "You know, Careless Talk!"

"Let's go to one of the booths in the back," I suggested.

Killfidget agreed and gingerly carried the little tin box to a secluded table. At last we were alone!

"Okay, Doc!" I said, impatiently. "Let's have a look at it!"

"No, no!" cautioned Killfidget, wagging his finger at me. "Not yet!"

"But why?"

"First, a few rounds of Hot Toddy. And then, I must tell you something of the principle of radar, and its uses!"

"Well—Okay!" I agreed, reluctantly. But curiosity was getting the best of me. "Go ahead!"

The good Doctor waited until Joe had brought some steaming Hot Toddy and departed, before continuing:

"You know what radar is?" he demanded.

"Well," I said, "I've been reading the ads in radio magazines, if that means anything!—But to tell the truth, I don't quite understand what it's all about!"

"It's very simple," explained Killfidget, "at least, that part of it is!"

"Tell me!" I said.

He was all ready to explain when we were suddenly interrupted by a local song-writer named Hunter Reynolds, who plopped down in the booth and insisted on letting us buy him some Hot Toddy. And in a minute or two, who should arrive and join our party but a California farmer named C. Pickett, an old woman selling peanuts, and a local news reporter named Stolzenberger.

Well, with all the noise and gay laughter going on, it was hard for the Doctor to tell me much about radar. So I joined in with the consumption of Hot Toddy which everyone seemed to be buying, even Stolzenberger. Everybody was glad to see old man Killfidget, but I suspect the main reason they came over to Joe's Place was to sample the Toddy. In an hour or so they began to leave, however, and soon the Doc and I were alone again.

"Look, Doc!" I said. "Before some more of these characters interrupt us,—tell me all about your radar set!"

"Of course, of course! Almost slipped my mind!" he said, tossing off his two-hundredth glass of nectar. Then he leaned toward me, steadied himself, and told me the whole story.

"You know what radar does?" he

(Continued on Page Eighty-four)

FREDDIE RICH

and

His Band

The Abbott & Costello Show

for

CAMEL CIGARETTES

When in Hollywood meet me at the

BAND BOX

Delicious Steaks • Cocktails • Floor Show



BILLY GRAY

*Under contract to Eddie Cantor
Management — David Street*



Season's Greetings to the Boys who
make me sound better than I am.

Best of Luck to You All

SAM HAYES

Sperry Breakfast News — 7:45 - 8:00 daily, NBC, P.C.
S & W World Wide Review — 5:00 - 5:15

FIBBER McGEE *and* MOLLY

(*Marion and Jim Jordan*)

KILLFIDGET'S RADAR

(Continued from
Page Eighty-one)

asked again. Then, in a heavy whisper: "Radar detects and locates stuff!"

"Stuff?" I repeated. "What kind of stuff?"

"Ships. Airplanes, mostly. All kinds of stuff!"

"I knew that!" I said, indignantly. "I read about it in a lot of radio magazines! That's no secret!"

"Maybe not!" he chided me. "But my new radar set is a secret!"

"Oh?"

"And I'm going to tell you about it! And show it to you!—Tonight!"

"Well, let's get going, then," I said. "Joe closes up here at two a.m.!"

"Don't rush me, sir!" replied the Doc, polishing off another Toddy. "This is highly technical, very secret. Can't be rushed."

"All right, all right," I agreed.

"Main thing radar is used for is to locate airplanes. Right?"

I nodded my head, and Killfidget continued.

"Main trouble with all these big radar sets we have now, is that they're too complicated! Too hard to learn to operate! Too hard to fix, if there's trouble!"

"Maybe," I said. "But they seem to be doing a good job, anyway!"

"Yes, but my new invention—here in this box—simplifies the whole problem of locating airplanes!"

"It does?"

"Any fool can operate my radar set!" insisted Killfidget.

This whetted my interest immediately.

The Doc slammed his fist down on the small tin box.

"This," continued Killfidget, "is the simplest radar set ever built! It will locate airplanes like mad! And it has none of the technical circuits, none of the technical troubles of ordinary radar sets!"

He was beginning to sound like a radio parts salesman, named Ray Bierman, that I once knew.

"Furthermore!" said the Doc. "As I've said: Any fool can operate it!"

"Okay, okay!" I said impatiently. "Let's have a look at the set!—Why all the suspense?"

"Dramatic climax!" said Killfidget. "How the hell can you write a story without dramatic climax?"

"Okay!" I said.

"Now!" said the Doctor, downing another glass of Toddy, "if you'll restrain yourself, sir, I'll show you my great radar invention! The Killfidget Radar Set, Mark One!"

"The what?"

"That's the name of the set," explained the Doctor.

And with that he unsnapped the lid of the tiny tin box and drew back the cover.

It was fairly dark in that corner of Joe's Place, and I leaned across the table to see the box better.

And inside I saw a very fantastic thing.

Inside the tin box I saw the mysterious new radar invention for locating airplanes!

Inside—was an ordinary pair of field-glasses.

"Doc, are you kidding?" was all I managed to gasp. I didn't know whether to take him seriously or not, since I'd never seen a real radar set in my life!

"This is the real McCoy," said the Doc, proudly, "or maybe I should say, the real Killfidget!"

He lifted the field-glasses from the box, and laid them carefully on the table before me.

"Guaranteed to work," he explained. "Put the little end to your eyes—and just look through them! Very simple! Very accurate!"

"But, Doc," I said. "What's new about this? People have been using field glasses for years!"

"Ah!" said Killfidget, wagging his finger at me. "Indeed! But they never called them radar sets before! That's my idea!"

"But—but—"

"Furthermore!" he interrupted. "This will save the army millions of dollars. My radar set costs only a few bucks, and—"

"Killfidget!" I exploded. "You're crazy!"

There was a moment of heavy silence. And then tears began to swell in his tired old eyes. I knew, then, I had hurt his feelings. But it was too late! The damage was done.

Leaving the field-glasses on the table, he rose and walked out the front door of Joe's Place without so much as turning to wave goodbye or speak a kind word to me.

I haven't seen him since that horrible night—that Christmas Eve when he tried to foist off his Killfidget Radar Set, *Mark One* on me. But I understand he arrived back at his army camp only a few days late, and is now temporarily in the Guardhouse for a number of months. I think they're going to transfer him to some other branch of the army—again.

Some of you may think this is a gag. About Killfidget's Radar Set, I mean.

But I'll be glad to show you the field-glasses, if you're interested. Afternoons that I'm off, I use them to watch the ponies down at the racetrack. I've also used them to watch blondes in the next apartment, and things like that. But I never tried to use them to locate airplanes.

All in all, though, it was quite an interesting Christmas Eve. And like I say, a lot of strange and surprising things happen over at Joe's Place.

—END—

The series of full page advertising illustrations published in Broadcast Engineers' Journal the past year by the Universal Microphone Co., Inglewood, Cal., are being reprinted in pictorial portfolio form with more than a dozen pictures depicting various stages in the advance of communications through the ages.

The pictures, by Los Angeles artist, Keith Thomas, start with the early days of the Phoenician and Greek runners and end with a modern drawing from World War II.

The series has attracted wide and favorable attention and has been in demand by schools and colleges for classroom study. Several army posts have also requested permission to use them for research work, and at least one encampment has produced the Thomas creations in mural form for study hall decorations.

Interesting, instructional and educational, the series will be published the first of the year and will be of suitable size and arrangement to frame for office, den or hobby room. Brief descriptions will accompany each illustration to describe the successive steps in the advancement of communications methods.

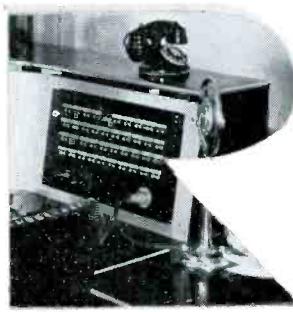
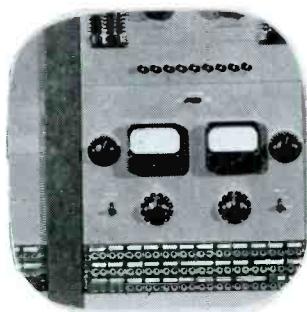
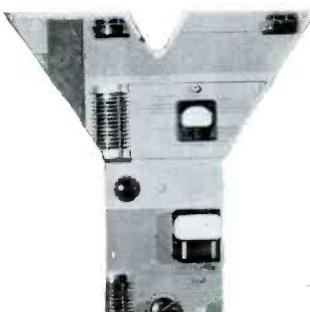
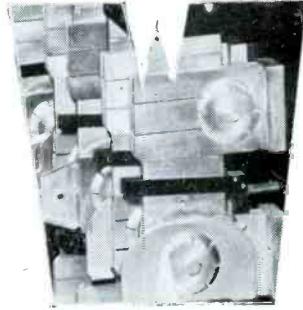
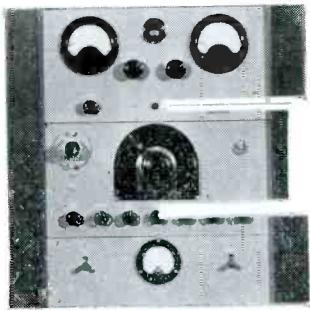
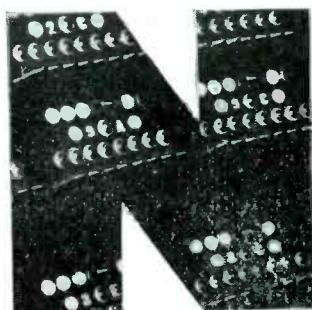
The brochures will be distributed without charge and inquiries should be addressed direct to the company in Inglewood, Cal.

BUY BONDS



Season's Greetings

from



C H A P T E R

N. A. B. E. T.

A *Salute* to
The Broadcast Engineers
of America

*—from our clients and
from our own organization!*

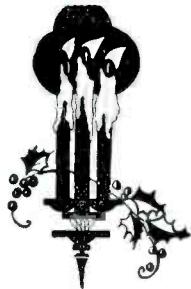


THE BIOW COMPANY
INCORPORATED

HOLLYWOOD

NEW YORK

SAN FRANCISCO



Richard Crooks

*Greetings and
Sincere Appreciation
to the Engineers*



—Photo by Joe Conn

NEW YORK NEWS

By George F. Anderson, Jr.

WE START off this month with some data on a recent arrival on October 17, the stork presented a bouncing eight-pound, black hair, blue eyed angel to Frank and Adele Thielker. Frank is a studio engineer here in New York. The Angel has been named "Nancy Louise" and at the present has complete control of the Thielker domain.

There are two MCD supervisors out on sick leave, Paul Herrold, who has a month's sick leave and Dorson Ullman, who is recuperating from pneumonia.

CONSTRUCTION: In back of MCD, in the stage elevator lobby, there is under construction a room. Many guesses have been made as to its use and consensus of opinion has it that it will be used as a SCREAM ROOM. It is reported that it will be completely sound proofed so that when any of the MCD Personnel feel the Screamy Wheemies approaching due to an engineer going to Job Three instead of Job One or an announcer giving a WEAF local on the network, he may retire to this sound proofed cubicle and give vent to his feelings in comfort.

Some uninformed persons say that it will be used as an office but we don't think so. Do you?

PLASTERED: From recording we have the sad tale of Miss Susan Kennedy, Rec. E, who fell out of bed one PM and landed on the floor some 18 inches below and fractured a leg. No, the doctor did not shoot her, he applied a plaster cast to said leg and now we have an engineer on duty in a plastered state.

From the October issue of Chimes, an NBC New York publication we picked up the following information:

Mr. A. W. "Chris" Christopher, Maintenance Supervisor, was awarded Ten (\$10.00) dollars in War Stamps for a suggestion of an easier method of replacing coils in microphones.

MONEY * MONEY * MONEY: John Pawlek, SE, on that screwy but very interesting and funny show, "Truth

NEW YORK BLUE NOTES

By Gil McDonald

WE WISH to take this opportunity to wish all our readers a very happy and prosperous 1945.

Bill Simpson (SE) tells us how to join the Polar Bear club in one easy lesson. Bill spent his two days off one cold week end down on the Jersey shore trying his luck at surf casting. Stepping up, to the water's edge, he cast. Ah, yes . . . a honey. But . . . my gawd . . . what's this? The reel . . . where is it? . . . There it is, out there in the water where the bait is supposed to be. So our hero drops the rod and dashes into the surf to rescue that prized reel from Davy Jones locker. (Forgetting all the time that the reel is still attached to the rod by the line). On the way back a terrific breaker hit Bill right smack in the back, Bill fell flat into the water, clothes and all and that, my friends, is how to become a Polar Bear in November.

Ed Watkins (SE) that widely traveled Southern Gentleman, says the guy who claims Ed looks for Eskimos every time he travels north of 59th Street is plain nuts. Why those Eskimos who moved into his apartment last week moved in because they liked the cool coziness of his living room. In fact it was the only apartment in New York that could remind them of home.

Jim Daugherty (SE) spent a late vacation out in his old home town of Chicago.

Note: Don't fail to see the classified ad at the bottom of this column for a wonderful opportunity.

Several of the boys turned out for the Blue Network Athletic Association Dinner and dance held at the Park Plaza Hotel on November 17th. A swell time was had by all. **Deric Leighton (SE)** and **John MacDonald (SE)** want to be on the night shift for the next one.

New Faces—

Two new studio engineers were added to our staff on November 20th. **Walter Miller** came here from WOR Mutual. Previous to that he worked for the War Dept.

(Continued on Page Ninety-Seven)

(Continued on Page Ninety-three)

★ ★

wassail, wassail,* gentlemen

and many kudos^o to you

WEAF NEW YORK at 660 k.c. ☆



KEY STATION OF THE NATIONAL BROADCASTING COMPANY

* singing of carols, etc. from house to house
especially at Christmas time

o praises, extolations, glorifications

☆ and thanks for keeping it on frequency!



ED HERLIHY

Wishes you all
the Season's Best



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BEST
WISHES
and
SEASON'S
GREETINGS
Especially to our
Members in Service and Overseas

W O R :: W B A M

1944

Hudson Chapter N.A.B.E.C.

NEW YORK NEWS

(Continued from
Page Eighty-eight)

or Consequences," comes across with the comment, "They wouldn't tell me where it was buried." He refers no doubt to the 1000 silver dollars that were buried in a vacant lot in Holyoke, Mass., a few weeks ago, and if you are a listener to the program or have read your papers lately you know what happened.

Did you know that Matty Giamatteo, WEAF Transmitter Engr., was awarded a Twenty-five (\$25.00) dollar War Bond for his suggestion on the WAR BOND CHIMES that were used on WEAF and played to the Rockefeller Plaza during the Fifth War Bond Drive.

William Karstens, also from WEAF Transmitter, has a completely equipped lab in his home and engages in television experimentation in his spare time.

Since WJZ left Boundbrook, New Jersey, for another location, the lads at Boundbrook have been busier than they ever were. They now have some six main transmitters to maintain and operate along with many directional antennas.

The six transmitters are operated on fifteen different frequencies during the day and are on the air for a total of around 99 hours for every 24 hours. The calls for the stations at Boundbrook are as follows: WRCA, WNBI, WNRA, WRNE, WNRI, and WNRX.

Sign of the TIMES: From a note posted in a popular location in the lounge: "The coffee percolator has been paid for, the sugar has been paid for, the condensed milk has been paid for but has the coffee been paid for???" Underneath the above sign is the donation cup.

Williard "Red" DuBois, SE, who was the proud owner of a Packard Phaeton has announced the sale of the Packard and the purchase of a Chrysler Airflow. The Chrysler is in excellent condition. It was completely overhauled and has real rubber on the tires and low mileage. Red took it out for a spin one fine fall afternoon and reports that it can do 85mph in overdrive with no trouble at all. Rumor has it that parts of the motor were seen coming from the exhaust pipe after the spin but there is no confirmation of this.

TRANSFERRED: From WTAM, Cleveland, in October, Mr. L. P. West to the maintenance department (for the benefit of Hollywood we did not use the MTCE abbreviation). From the NY Field department to MCD this month, Al Wies. Al has been one of the mainstays of the Field department and will now become a MCD Supervisor. He was given a farewell party by the lads in Field and was presented with a Floral Horseshoe constructed out of Greenfield tubing, patch cords, headphones, miniature glasses and spare defunct radio parts. Everyone in the Field department promises to wave to Al from the Fifth floor lobby while he is on duty.

INVASION: By the Army, Major Charles Grey, Lt. Harold Flood and Lt. Charles Younger, all former NBC and BNCI Engineers who dropped into Radio City for a visit with us. Major Grey is in New Hampshire and Lts. Flood and Younger are stationed at Astoria, L. I. Harold Flood recently returned from England where he was in on the Invasion.

Captain Arthur "Bill" Perry, AUS, writes Ray Swane-



Be it a lazy day in June, or if it's raining in November, he sits and waits . . . he waits for an unwary duck or maybe snipe to err in taking his "antennae" for a bulrush or a thin blade of water-grass. And then it happens—in an instant the unsuspecting victim is his prey. "He" is the Trigger-Fish, my friends; he's also called the angler. His habitat are bays; that's where he lurks on steep embankments, near the inlets. He weighs well nigh some forty pounds, and here he is to say hello to you and show his set of teeth. Oil is the thing he hates to scent in water, and thus he is not seen by our tribe of anglers on the "coast".

—Sergei de Somov.

camp that he is in France, and that he is seeing Major Brown very often and he adds that Lt. Phil Falcone is still in Italy and unable to join Perry and Brown in France, because his CO will not agree to a transfer.

SEALED DOOR CLUB: Members, James Hackett, FE, and Harold Luedke, ME. During the construction of the Scream room the doors to MCD and MTCE from the lobby were sealed to prevent dust from getting into the relays and keys. Jimmie started the club off one day by opening the sealed door and remarking afterward, "Oh, was that what I heard ripping as I opened the door." Harold joined the club while answering an SOS (trouble) call. An aftermath of the formation of the club, membership in which has been closed, was the sealing with adhesive tape and the posting of a sign reading, "This locker has been sealed till further notice."

WINNER AND STILL CHAMPION: Miss Mary Beebee, secretary to Max Jacobson, Field Supervisor, is the winner of the \$64 question. While attending the 6th War Bond Drive Rally at the Madison Square Garden the other nite, Mary was chosen as one of the contestants on Phil Baker's "Take it or leave it" program, on a rival network, and OUR MARY, as she is affectionally called in the Field department answered all the questions and walked away SIXTY-FOUR (64) DOLLARS richer.

"Oh, Mary—Can you spare a five till payday?" The only hunting news so far is from Harry Hiller, and that is while hunting in the Delaware Water Gap country in New Jersey, he had a shot at a rabbit who ducked into his foxhole before the shot reached him.

HAVE YOU BOUGHT AN EXTRA WAR BOND?

Rosa Rio

Blue Network

Betty Mendenhall

Blue Network

George Crook

National Broadcasting Co.

Season's Greetings

from the

NETWORK

STAFF

ORGANISTS

Jack Ward

National Broadcasting Co.

Dolph Gobel

Blue Network

Arlo

Blue Network

Best Wishes and All Kinds of Good Luck
to My Friends on the Engineering End



Lowell Thomas



Season's Greetings

D O U Y O U R H E E S





Carrying On a business like ours in war time means lots of problems. We are carrying on the best we can with things the way they are, and will continue to serve the broadcast engineers just as well as we can with all the merchandise we can get. Buy only what you really need — then buy MORE BONDS!



MASTERS MART, Inc.

66 West 48th Street, New York BRyant 9-7725



Regards to You Guys in the Fishbowl
Mrs. Weatherbureau
and Bob Lewis



JOHNNY OLSON

Creator-Producer of Radio's only Rumpus Room
Now Kickin' the V. I. at the
Blue Network, New York City
Thanks, Fellas, for Your Teamwork



Hudson Chapter NABET News

By Richard H. Davis

MOST of the members activities during the last month were trying to find a turkey for the Thanksgiving dinner but it seemed when the "turkey" finally was in hand it had either crowed or quacked. However the 6th War Bond Drive is at hand and the councilmen of the chapter have been asked again to repeat the fine job they did during the last drive.

WOR is pledging to purchase \$100,000 in War Bonds during the various 6th War Bond Rallies and directly on the air through special announcements. Also during the drive WOR is holding a Treasure Hunt in which listeners will participate with a \$1,000 in Bonds as prizes. As in the last bond Drive practically the entire chapter will assist in the handling of the extra rallies with the regular assignments.

The Hudson Chapter was shocked to hear of the death of Boake Carter in Hollywood on November 17th. He was a familiar fixture at WOR and we feel that Radio has lost one of its Ace Commentators.

TRIVIA

Bill Boher, MC, is using the last week of "Summer Vacation" to visit his "Pappy an' Mammy" up in the hills of Penn.

We hear the Carl Warren, formerly of the production staff, is now a Lt. Commander in the South Pacific. Carl will be remembered by the 10 and 20 boys as WIZL.

Ed Leach reports that Claudia Ann, a snappy brunet born on July 19th is quite a lady now. Ed passed out seegars but didn't even sample one, they went too fast.

Ed Boquist, SE, who is a neighbor of NBC Al Wies, has been in competition with Al as to the best victory garden, and their results have been excellent. Since the Victory gardens are finished for this year these two have extended their rivalry in pitching horse shoes. We haven't seen the score sheets but it seems that Al has a slight edge.

A recent episode of the queer noises emanating from the new echo chamber atop the Longacre theatre was solved by the removal of several pigeons who thought it a nice place to roost.

George Riley, our chairman, seen around with one of them stogies putting out a nice 25 knot smoke screen.

Bill DaCosta, SE, moved into a new house, busy painting, etc. He has a back yard pool with about 50 gold fish in it. When he feeds them they come right up to the edge but the other day he wanted to give a couple to a neighbor but as soon as he appeared they all disappeared to the bottom.

MacBenoit, SE, helping Superman, get along in Utopia with his adventures on that "planet".

Recording:

Doug "pappy" Hawkins has a pin-up girl of his own . . . His wife Stella has just grabbed a part in the new Billy Rose show, "Lively Arts". It's expected to hit Broadway soon. The ticket line forms on the right.

The recording department has a new manager in the person of Mr. H. B. Lockwood. He comes to the recording dept. from a local bank where he was an executive.

Another newcomer to the department is R. E. Lee,

formerly of Station WALL in Middletown, N. Y. He takes over the title of the midget. More later.

Also new girl engineering secretary, Miss Kit Koontz, takes over the job of typing labels and record files, doing a good job and the recording gang hopes she stays.

Frank Ennis, who is ex RCA, says the television programs are swell . . . Lucky him, he works days . . .

Gordon Shaw just back from his vacation . . . went as far west as Boulder, Colo. . . . visited WGN . . . and KFEL . . . no, he didn't drive, went by bus . . . says it's good to be back to sea level.

NEW YORK BLUE

(Continued from
Page Eighty-eight)

in Washington and Western Electric in Kearney, N. J. Del Neutzman comes over with a wealth of experience including OWI, WWRL, KFAD, KFOR, KTRI and KORN. Between times he served in the Army.

FLASH—As we go to press, Mr. and Mrs. Al Hayward became the proud parents of their first daughter, Susan Lynne, born on November 22nd. Both mother and baby are reported doing well. They have two sons also.

Classified Ad—

FOR SALE OR SWAP—One slightly used cow suit.

Sleeves guaranteed not to catch on faders. What am I offered? All mail answered . . . Bert O'Leary.



Gee fellas — thanks

HERB SHELDON

NBC ANNOUNCING — NEW YORK

Season's Greetings

to my friends

"The 5B Wire Tappers"

LYLE VAN

Newscaster



Greetings and Best Wishes
to a Helluva Swell Bunch of Fellows!



Gratefully and sincerely,
TOM SHIRLEY

*To the gentlemen who made
it all possible*

The Engineers

Season's Greetings



DON HOLLENBECK

BBB

“73”

BBB

DOUG BROWNING



To the men who know what makes it go

With the cordial regards of

JOHN W. VANDERCOOK

THE SEASON'S BEST

BEN GRAUER

Season's Greetings

and

Happy Consequences

RALPH EDWARDS

and

The T or C Gang

G E O R G E
U
N
N

Thanks

Best to the NABET Boys

DORIAN ST. GEORGE

Blue Announcing — New York

Compliments of

H. LEOPOLD SPITALNY

My best for
a swell year
ROGER BOWMAN





Season's Greetings

and

Best Wishes for All That's Good
This Year and Every Year

BUD COLLYER



Season's Greetings

from

MARY MARGARET McBRIDE

In the Spirit of the Yuletide — Greetings to the Engineering Staff
FRANK BLACK

My Best Wishes

To the Engineers



Ford Bond

Best Wishes

JOSEPH CURTIN



DON GARDINER

Read that Backwards

From Up the Mohawk

By
Horton C. Mosher

MANY changes have taken place along the old Mohawk since the journal last carried a column about doings from the Schenectady area. We wish to thank you all for the cordial welcome back into NABET. It is hardly necessary for us to say that we are glad to be back. We wish to thank Mr. Powley for all his assistance in getting us started in the right manner. We also wish to thank Mr. Allen, who stopped off on his return from Cleveland, for his help in our October meeting. We are looking forward to many more visits from these gentlemen and any one else who is going this way.

From time to time we shall try to bring you up to date about some of our older members. For the present here is our new line-up: Chairman, Don Morey; Secretary-Treasurer, Harold Bergman. Four councilmen, one from each of the following: WGFM and WGY control room, WGY transmitter, WRGB studio, and WGFM and WRGB transmitter.

The following ladies and gentlemen are members of the Mohawk Chapter: Miss Frances Ahern, SE WGY and WGFM; Paul Adanti, SE WRGB; Harold K. Bergman, TE WGY; Ralph Baker, TE WGY; William Barnes, TE WGY; J. H. Billings, TE WRGB; James F. Cornell, SE and FE WGY; James Clossen, Maintenance and Asst. Dev. Eng.; Miss Jane Clark, SE WRGB; Miss Deborah Cotton, SE WGFM and WGY; Kenneth M. Durkee, TE WRGB; Miss Maude Ellison, SE WGY and WGFM; Miss Charlotte Frey, SE WGFM and WGY; Miss Virginia Forster, SE WGY and WGFM; Stanley Godell, TE WGEO and WGEA; George Hoffer, TE WGEO and WGEA; Charles Lewis, TE WGFM and WRGB; Donald M. Morey, TE WGY; Horton Mosher, SE WGY and WRGB; Miss Dorothy Martin, SE WRGB; Emil Nickle, TE WGEO and WGEA; Thias G. Schumacher, TE WRGB, WGFM and Tele. Relay; Roy E. Stigberg, SE WGY; John A. Shay, SE WRGB; Raymond K. Strong, SE WGY; Ralph S. Sayre, TE WGEO and WGEA; Miss Constance Snyder, SE WGFM and WGY; T. F. Van Alstyne, TE WGY; Fred H. Vert, TE WGY; Howard E. Wheeler, TE WGY; Miss Ruth A. Wallgren, SE WGY and WGFM.

Miss Janet Hackwell's name should have appeared in the above column but she was called to her home in Montpelier, Vt. She insisted that her membership be accepted although she did not expect to stay. However her dues were not accepted. We shall miss her very pleasant personality and smiles but wish her the very best of luck.

November 17 brought much excitement to Room 14 at WGY. When B. W. Cruger, assistant to the Engineer in charge of broadcasting, returned from lunch he found his office well decorated with a large birthday cake in the center of his desk. As the door was opened the strains of "Happy Birthday" came from his monitor speaker and all present joined in the chorus. We can't tell you his age as there were no candles on the cake. However we might state that he has a decade to go before reaching the half-century mark! Such things as this never happened before the women joined the staff.

This year the hunting season came and went without the usual amount of excitement from most of the fellows. Those who did get out had pretty poor luck as the game was very scarce. As far as we were able to learn Howard Wheeler was the only one to get a ring-neck. Some of the boys from the transmitter spent one day in the north woods seeing nothing but porcupine. They inform us that the heavy winter last year was too hard on the deer, but there seem to be more in the southern part of the state.

Ray Strong had a little hard luck last year when his double barreled shotgun blew up in his hands but fortunately didn't injure him or any of the triplets who were along. Had it been the other barrel, the side on which the triplets were standing, it might have been disastrous. If any of you fellows want a job of rebarreling his gun please get in touch with Ray. It seems most of the factories are occupied turning out equipment for some of our boys to chase huns and kill rats with.

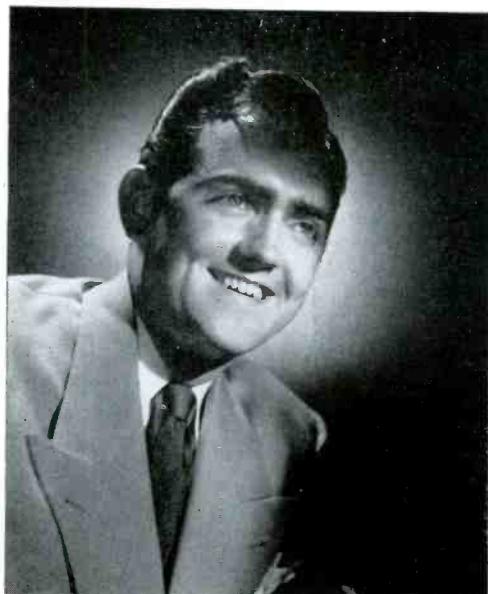
It is rumored that one of the boys at WGY has restocked his twelve double, loaded up with heavies, and is waiting for a little tracking snow. When that time comes he is going out for foxes as they are getting quite plentiful in these parts. The conservation commission says that is one reason the smaller game is getting so scarce. If any of you know how to hunt foxes, please drop a line to the Mohawk Journal representative—or better yet, come up and show us how!

Season's Greetings



Mohawk Chapter N. A. B. E. T.

Greetings, Gentlemen



GEORGE ANSBRO

Blue Network — New York

The Season's Best Wishes

BILL STERN

Best Wishes
of the Season



HUGH JAMES

To You, the Engineers:
Good Health and Happiness
for All the Years

JIM WALDROP

(NBC Announcing)

NEW YORK

The Season's Best to Everyone!

from

JACK (John Patrick) COSTELLO



The Season's Best, Fellas
ARTHUR GARY

WEAF - NBC

Announcer

NEW YORK

"You've been looking at me for a long time—
Here's looking at you"



DON GODDARD

Keep on Spotting 'em, Boys!

Greetings

George Pelaez
International



Greetings

from the

BRAZILIAN SECTION



Season's Greetings

Jose Alberto Iniguez

SPANISH ANNOUNCER



Mil Gracias, Muchachos

Emilio De Torre

(NBC International)

The Season's Best



CLYDE KITTELL

Broadcast Engineers' Journal 104 Yearbook :: January, 1945

To the Radio Engineer!

A Merry Xmas and a Happy New Year

KELVIN KEECH

Out of the Khaki — back to the Blue
Season's Greetings to All of You

(Mr.) Gene Hamilton

Blue Announcing

My Very Best
Always



ANNE SEYMOUR

Season's Greetings



LEW WHITE

Season's Greetings

CHARLES McCARTHY

Greetings to the Engineers

ROBERT DENTON

NABET-AF of M Turntable Jurisdiction Hearing

By R. E. Shenton

SETTLEMENT of the NABET—AF of M controversy over jurisdiction of turntable operation in broadcast stations moved one step nearer to completion on Thursday, November 9, when officials of both organizations met with a National Labor Relations Board Committee in Washington, D. C., for the final hearing.

President A. T. Powley, head of the National Association of Broadcast Engineers and Technicians, together with NABET attorneys O'Donoghue and Dunn, represented the engineers' interests at the hearing, while James C. Petrillo, president of the American Federation of Musicians, and would-be Turntable Tyrant, had his interests defended by Joe Padway of the AF of M, and by Attorney Katz from Musicians' Local No. 10 in Chicago.

NBC was represented by George McElrath, Operations Engineer for the National Broadcasting Company, and Joseph McDonald, NBC attorney, while the BLUE sent Chief Engineer George Milne, and Blue attorney Robert Swezey to look after the BNCI angle at the hearing. None of these network representatives, however, was given an oral part in the discussion, except in the question period which followed the initial presentations.

THE NLRB Committee to which the hearing was directed, was composed of Dr. Harry Millis, chairman, and two other members, Gerard Reilly and John M. Houston.

Proceedings, scheduled to begin at 10:30 A.M. on November 9, were delayed a quarter of an hour pending the usual belated arrival of Joe Padway, AF of M representative. Following the customary opening formalities, NABET attorney O'Donoghue was called upon for a review of the case to date, which he delivered in detail. Highlights of his discourse included a history of the complete development of the broadcast engineering technique, stressing the details of the equipment used, the elaborate technique necessary for satisfactory operation of this equipment, and the organization necessary for adequate handling of broadcast programs. He further traced the inception and progress of contracts between broadcast companies and NABET, illustrating the complex, but generally satisfactory relationship between the two groups.

Tying his discussion of the operation of broadcast equipment by qualified broadcast engineers directly to the case at hand, O'Donoghue pointed out that transcription turntables were unquestionably an integral part of broadcasting equipment necessary to put a program on the air, and, for that reason, were under the undisputed jurisdiction of broadcast engineers, highly trained for, and experienced in that manner of work.

O'Donoghue concluded his forty minute review by a recapitulation of the statement made by Petrillo at an earlier Senate Subcommittee Hearing, in which he admitted that he had never expected to gain jurisdiction over turntable operations at WMAQ in Chicago in 1928, but had sought merely to seize more power for his organization and control over another profession. In 1928, WMAQ was a local independent organization, and did not come under NBC ownership until 1932. Consequently, conquest of turntable operation, then a relatively small and unimportant part of broadcast operation as compared to present day technique, was not

a difficult procedure, especially in view of the fact that the engineers at that time were completely without any form of labor organization. Since NBC ownership and operation of WMAQ has been in existence, sentiment has grown steadily among the technicians to throw off the incongruous yoke of AF of M domination.

Joe Padway of the AF of M was next called, and presented an hour-long discourse, basing his contention that members of the American Federation of Musicians should assume control over broadcast turntables primarily on the fact that such encroachments had already been made in Chicago, as is noted earlier in this article, and hence, a precedent had been set. He assured the assembled group that no jobs would be lost among already employed engineers, admitting that those musicians now employed in Chicago to operate turntables work primarily on a part-time basis. Continuing his argument, he stated that if turntable operation were in the hands of his organization, it would alleviate the unemployed musician problem that he reported to be in existence. Mr. Padway failed, however, to explain just why there should be a pressing unemployed musician problem when at the same time, there is, according to his own admission, a large contingency of musicians, who, in addition to holding down regular musical jobs, for which they are trained and qualified, are also employed at handsome salaries to play records and transcriptions in radio stations. Certainly if any chronic unemployment does exist among union musicians, the AF of M is doing little to remedy the situation by allowing such an inconsistency to prevail. Mr. Padway later stated that he sought control over musical recordings and transcriptions only, but, he added magnanimously, his organization would consider assuming control over transcribed advertisements and recordings of material other than music.

AF of M Attorney Katz followed his colleague, pointing out that a musician, resplendent with many years training and background, plus the satisfaction of knowing that he had passed a rigid musical examination before being admitted to the Musicians' Union, was a far better qualified turntable operator than a broadcast engineer, whom, he maintained, "could be adequately trained for his work in three months' time" as contrasted to the five years or so necessary to learn to play the violin or piano. Mr. Katz neglected to explain, however, just wherein five years of totally irrelevant musical training was a suitable substitute for even three months of specific training for an equally specific position, suggesting, if one follows his logic, that any reputable lawyer could step into the shoes of any equally reputable physician simply because he had had ten years of the best legal training and was a member of the bar.

A discussion about the best location of broadcast turntables—control room vs. any other location—arose between Mr. Padway and Mr. McElrath, the former, of course, maintaining that their location was unimportant, and Mr. McElrath supporting the customary location in the control room, where they are convenient to the control room engineer. Other matters of detail were also discussed before the conclusion of the hearing at 12:15 P.M.

The decision follows:

CERTIFICATION OF REPRESENTATIVES

By virtue of and pursuant to the power vested in the National Labor Relations Board by Section 9(c) of the National Labor Relations Act and pursuant to Article III, Section 9, of National Labor Relations Board Rules and Regulations—Series 3, as amended.

IT IS HEREBY CERTIFIED that National Association of Broadcast Engineers and Technicians has been designated and selected by a majority of all technical employees, wherever located, of the Engineering Department of National Broadcasting Company, Inc., New York City, engaged in the operation of technical facilities used in transmitting, converting and/or conducting audio, video, and/or radio frequencies for use in broadcast, rebroadcast, audition, rehearsal and/or "on the air" playback, excepting "on the air" playback in Chicago, Illinois, but excluding chief engineer, operating engineer and assistant, engineering, managers, engineers in charge, operations supervisors, television operations supervisors, station engineers at transmitters of more than 5 kw., television station engineers, station engineers in charge and their first assistants in the following engineering groups: radio facilities, audio facilities, development, and technical services; construction superintendents; engineer in charge of television; and all other supervisory employees with authority to hire, promote, discharge, discipline, or otherwise effect changes in the status of employees, or effectively recommend such action, as their representatives for the purposes of collective bargaining, and that, pursuant to Section 9 (a) of the Act, the said organization is the exclusive representative of all such employees for the purposes of collective bargaining with respect to rates of pay, wages, hours of employment, and other conditions of employment; and other conditions of employment; and

IT IS HEREBY FURTHER CERTIFIED that National Association of Broadcast Engineers and Technicians has been designated and selected by a majority of all technical employees, wherever located, of the Engineering Department of Blue Network Company, Inc., New York City, engaged in the operation of technical facilities used in transmitting, converting and/or conducting audio, video, and/or radio frequencies for use in broadcast, rebroadcast, audition, rehearsal and/or "on the air" playback, excepting "on the air" playback in Chicago, Illinois, but excluding chief engineer, operating engineer and assistant, engineering managers, engineers in charge, operations supervisors, television operations supervisors, station engineers at transmitters of over 5 kw., television station engineers, engineers in charge and their first assistants in the following engineering groups; radio facilities, audio facilities, development, and technical services; construction superintendents; engineer in charge of television; and all other supervisory employees with authority to hire, promote, discharge, discipline, or otherwise effect things in the status of employees, or effectively recommend such action, as their representatives for the purposes of collective bargaining, and that, pursuant to Section 9 (a) of the Act, the said organization is the exclusive representative of all such employees for the purposes of collective bargaining with respect to rates of pay, wages, hours of employment, and other conditions of employment.

Signed at Washington, D. C., this 24 day of November,
1944.

Harry A. Millis, Chairman
Gerard D. Reilly, Member
John M. Houston, Member
National Labor Relations Board

(Seal)

Statement by Martin F. O'Donoghue, NABET Attorney

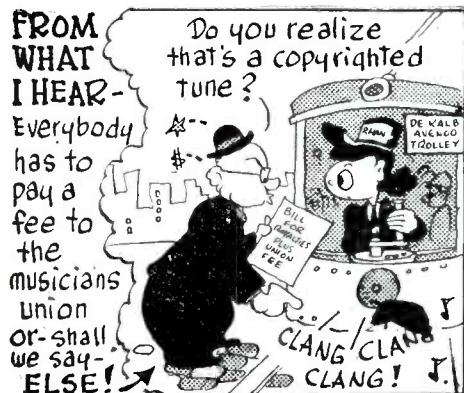
THE National Labor Relations Board on Saturday, November 25th, 1944, issued its decision and certification of bargaining representatives in the matter of National Broadcasting Company, Inc., and the Blue Network, Inc.

By this decision the National Labor Relations Board

finally smashed the ambitious plans of James C. Petrillo to force and coerce network stations to employ musicians in the questionable occupation of platter-turning or operating a turntable.

Last January, the networks made an agreement with Petrillo that on and after June 1, 1944, N.B.C., Blue, C.B.S.

SILLY MILLY



By Stan MacGovern

Reprinted by courtesy and permission of Stan MacGovern from the "New York Post" of Nov. 24, 1944.

and Mutual would hire only employees of the Musicians' Union to operate studio turntables for on-the-air playback. Because of this agreement, Nabet, last May, took a strike vote among all of its members employed by N.B.C. and Blue. Nabet's members voted almost unanimously to strike on June 1, 1944, if N.B.C. and Blue lived up to this agreement to put musicians in the studios to operate turntables for on-the-air playback, and thus deprive the studio engineers of part of their job.

Later, on order of the National War Labor Board the status quo was kept and musicians were prevented from going into the studios to operate turntables.

Nabet filed a petition with the National Labor Relations Board, New York Regional Office, to certify Nabet as the bargaining representative for all the network stations of N.B.C. and Blue. Nabet prayed that it be certified as bargaining representative for all engineers and technical employees including the operation of all technical facilities and equipment such as Broadcast, re-broadcast, audition, rehearsal, recording and/or "on-the-air playback". Nabet's claim included certification for on-the-air playback at the two Chicago Stations, WMAQ and WENR. The Musicians Union promptly intervened, both the Musicians' Local No. 10 of Chicago and the International. The case was heard in New York before Trial Examiner James C. Paradise on September 27 and 28th, 1944. The Musicians Union claimed that the network system of bargaining should be dissolved and that each net-work station should bargain as a separate unit, and that the network system of bargaining should be dissolved, and that each network station should bargain as a separate unit, and that the operation of studio turntables for on-the-air playback should come within the jurisdiction of the Musicians Union.

Through their counsel, James A. Padway, the Musicians Union introduced into evidence letters from the networks N.B.C., Blue, WOR and C.B.S. dated on or about January 20, 1944, where the networks agreed to hire members of the Musicians Union for on-the-air playbacks at all of their stations after June 1, 1944.

Mr. Padway also produced the original of a jurisdiction agreement signed by President Brown of the International Brotherhood of Electrical Workers and President Petrillo of the Musicians Union wherein President Brown of I.B.E.W. gave the exclusive right to operate turntables and on-the-air playback equipment in radio broadcasting to the Musicians Union.

Nabet fought bitterly the claim of the Musicians Union and Nabet produced evidence before the Board that the network should bargain as one nation-wide unit because of the intercommunicating system of the network stations and that, in fact, each of the stations were so electrically inter-communicated one with the other, and that there was instantaneous intercommunication and the stations functioned as one nation-wide system.

Nabet further gave the historical development of the operation of the turntable in the radio industry and outlined what an important function the turntable plays in delayed broadcasts because of the difference in time between the East Coast and the West Coast.

Nabet further developed that the claim of the musicians for the operation of the studio turntable was not in and of itself, as a separate occupation of sufficient job content, and that the volume from the studio turntable was con-

trolled by the studio engineer and that the studio turntable was so functionally connected with the duties of the studio engineer, and the turntable itself being technical equipment, that the operation of the turntable should be classified with the Engineers and Technicians Bargaining Unit.

Nabet further developed that there were five turntables in the network stations:

- 1—The studio turntable.
- 2—The turntable in the recording room that at times operates for on-the-air playbacks.
- 3—The transmitter station turntable.
- 4—The portable turntable.
- 5—The mimeo-box, or turntable in the master control room.

Nabet argued that the National Labor Relations Board should not segregate one turntable from the others as a bargaining unit.

The National Labor Relations Board in a 3,000 word Opinion issued last Saturday, November 25th, denied the claim of the musicians to breakdown the N.B.C. and Blue Network nation-wide systems into separate bargaining units and repudiated the agreement between the networks and the musicians to be bargaining representatives for the operation of turntables in the N.B.C. and Blue Network chains.

The National Labor Relations Board, however, did validate the claim of the musicians to bargaining for the studio turntables at stations WMAQ and WENR in Chicago, and based its reason on the historical background of collective bargaining that the Musicians Local Union No. 10 had with these two stations since 1927.

Nabet's counsel is filing a motion with the National Labor Relations Board to further clafiy the issue as to the operation of the studio turntables at stations WMAQ and WENR.

The Musicians Union stated before the Board that they are only concerned with the operation of a turntable "when musical records are played" and since there are other turntables that function for on-the-air playbacks at the Chicago Stations, Nabet wants it definitely understood by the Board that the claim of the musicians is only for the operation of the studio turntables at WMAQ and WENR, and is limited to only one function—that is the playing of musical records.

Nabet members will hereafter claim the right to operate the studio turntables at studio WMAQ and WENR when non-musical recordings are played.

The decision of the National Labor Relations Board should definitely kill Petrillo's chances of forever claiming the right to operate turntables in the C.B.S. and Mutual systems, because this decision of the Board will cover these two networks.

The I.B.E.W. members of C.B.S. should be forever grateful for the fight that Nabet made for them in protecting their jobs and wages from the raiding tactics of Petrillo's musicians.

The Labor Board certified Nabet as bargaining representative for all engineers and technicians in all network studios, including the operating of all turntable and "on the air playback" except the studio turntable in Station WMAQ and WENR in Chicago.

Nabet can and should begin bargaining negotiations for wage increases, etc., immediately.



Seasim's Greetings

and

Best Wishes

To a Swell Gang . . .

All the Engineers

from

THE THREE SUNS

ARTIE DUNN

MORTY NEVINS

AL NEVINS

Hotel Piccadilly

Glenn Riggs

DON LOWE



Greetings—

BOB STANTON

GERTRUDE BERG

on behalf of

“THE GOLDBERGS”

MOLLY — JAKE — ROSIE and SAMMY

Extend Greetings

And Appreciation of Helpful Association

PATT BARNES

Morning in Manhattan

SALUTES

The Guys that gave us the air

(Mon. - Sat., 7:05 - 7:30—WEAF, N. Y.)

Thanks for everything . . .

*Season's
Greetings*

George Hayes

BLUE ANNOUNCING



*Happy Xmas,
Fellers*

Walter Herlihy

THE BLUE

RAY BARRETT

Thanks!



Thanks

ADELAIDE HAWLEY



Thanks, Fellows

from

GALEN DRAKE



Thanks, Fellows

from

MAGGI McNELLIS





Thanks a lot boys . . . !



Ernesto R. Foregger
(NBC International)

Greetings . . . !

MARIA
RUBINI



Feliz Año Nuevo

ALBERT GANDERO



Greetings

**Francisco
Forcade**

Spanish International
Announcer

**Season's
Greetings**
**ALVARO
GONZALEZ**

NBC — INTERNATIONAL
Announcer — Producer



Season's Greetings

from

JULIE CONWAY

and

BOB SHERRY

PS:

of Finders Keepers





Holiday Greetings

from the

ENGINEERING CHAPTER

N. A. B. E. T.

MASLINE

Radio and Electronic Equipment

Customer Satisfaction in War Time



Rochester's Most Complete

Radio and Electronic Supply House

192-196 Clinton Ave., N.

Rochester, N. Y.

Season's Greetings

To the Rochester Chapter

N.A.B.E.T.

ROCHESTER

RADIO SUPPLY CO.

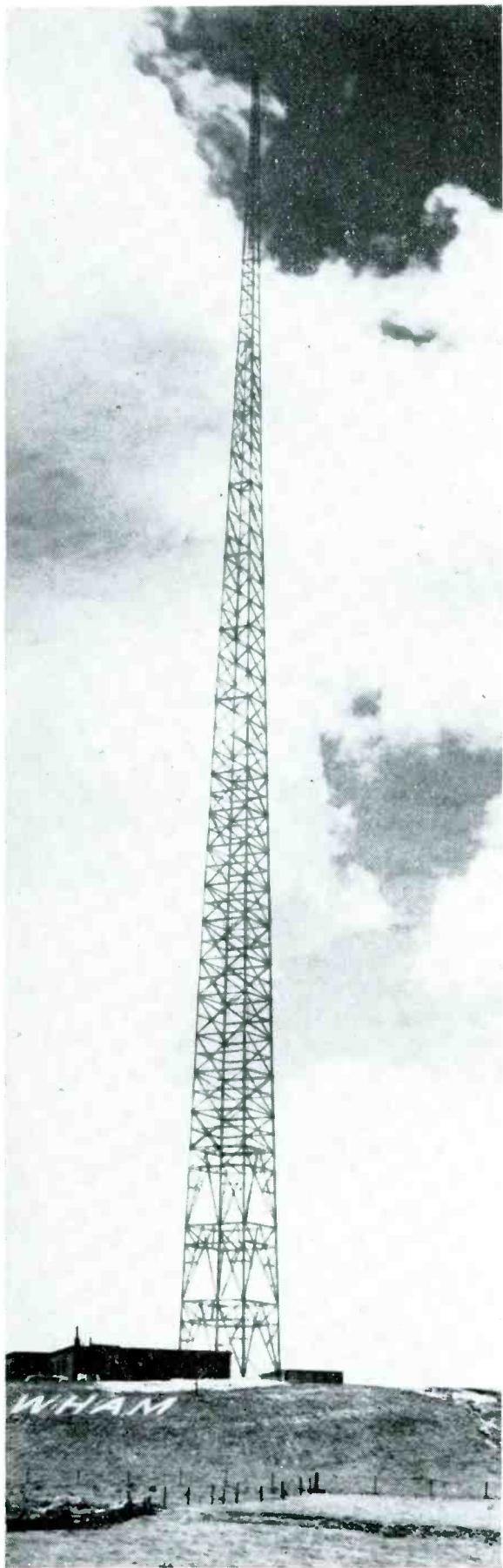
Wholesale Distributors

118 St. Paul St.,

Rochester, N. Y.

Phone Main 2290





Season's Greetings
AND
THANKS
TO THE BOYS
WHO KEEP US
ON THE AIR

FROM THE MANAGEMENT OF

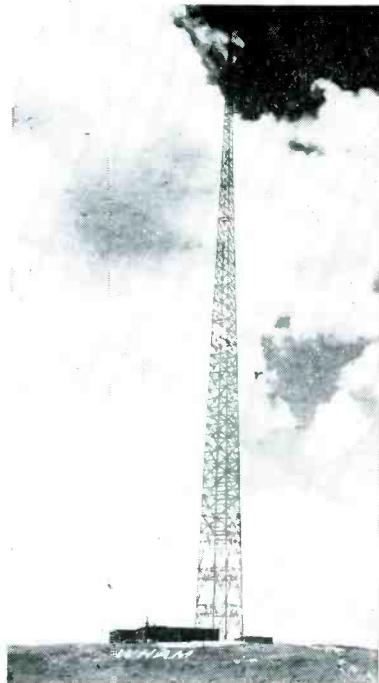
W H A M
AND
W H F M
ROCHESTER, N. Y.

Rochester News

By Arthur Kelly



(Left) WHAM's transmitter and antenna. The transmitter is by Western Electric. 50,000 watts are radiated on a clear channel of 1180 kc. by the Blaw-Knox antenna which stands as the tallest structure in Western New York, 450 ft. WHEC, the Stromberg-Carlson F.M. transmitter, is located in downtown Rochester.



(Right) WHEC's transmitter was engineered by R.C.A. Operating as a regional station, WHEC's programs are on the air by way of the Blaw-Knox vertical antenna which is 310 ft. tall and now carries at its peak a "turnstile" which is fed by WHEF, WHEC's F.M. transmitter.



LAST month's issue of "the Journal" announced a new N.A.B.E.T. chapter at Rochester, New York. To recapitulate, Rochester's three radio stations, WHAM, WSAY and WHEC, have joined N.A.B.E.T. one hundred per cent. The national office has granted a charter and the chapter has been christened "The Rochester Chapter". In the past month, negotiations have been going forward in a satisfactory manner. Unless unforeseen difficulties develop, it is expected that contracts will have been signed by the time this material appears.

In the meantime, how about meeting the gang in the Rochester Chapter. Perhaps an old acquaintance, a fellow "ham," a pal from "spark days," a buddy of the last war—or even the present one may be found among the Rochester roster.

First, let's look at the WHEC gang: There's Bert Allis—W8JMZ, Leo Enright, Al Keltz—W8TXB, Walter Lynch, Howie Mouatt—formerly W8CHI, Dick Sandrel—W8WMD, Fran Sherwood—W8NCM, and veteran of World War II, Craig Williams—W8MYT, George Wilson, Ken Henderson—W8RQX.

At WSAY are: Tony De Lucia, Joe Durante, Miss Beryl Shay (only young lady operator in Rochester), Sam Tomaselli and Frank Snelgrove.

Charlie Snyder of WHAM is Chairman of the Rochester Chapter. During negotiations we had the pleasure of having President Al Powley as our guest. Naturally, Charlie worked with Al during all the conferences at the three stations. At the end of Al's stay, our genial chairman was completely dehydrated. We all wonder how Al keeps up the steady pace that he maintains!

The WHAM gang includes: Fred Ambrose, Elmer

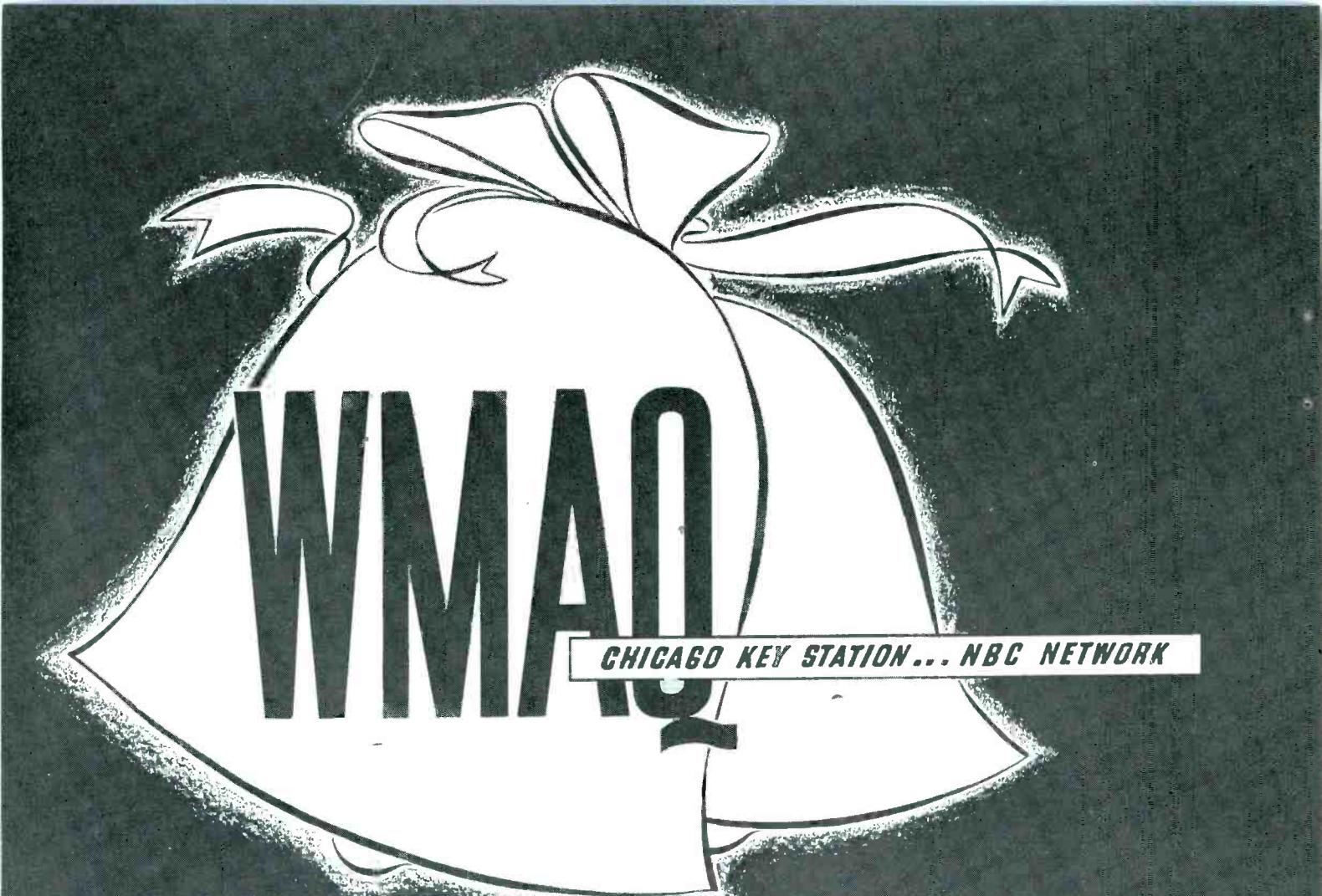
Grabb—W8DOD, "Bum" Holly, Art Kelly—W8LTJ, Nelson Smith—W8CFA, Charlie Snyder—W8ATH, Donald Anderson, Hank Boyce, Alex Gresens—W8ANQ, Walt Malone—W8GZX, Wilfred "Scoop" O'Brien—W8BHM, Eddie Stiles—W8BJW, Les Minor and E. O. "Yo" Seiler—W8PK.

If any of these names are familiar, why not get busy on the "mill" and bat out a letter?

Howie Mouatt of WHEC is Secretary-Treasurer. The entire Rochester gang is looking forward to Howie's first financial report. There's a rumor going about that the gang would like to stage a party in celebration of N.A.B.E.T.'s arrival in Rochester!



"The orchestra is now playing an original composition by the drummer!"

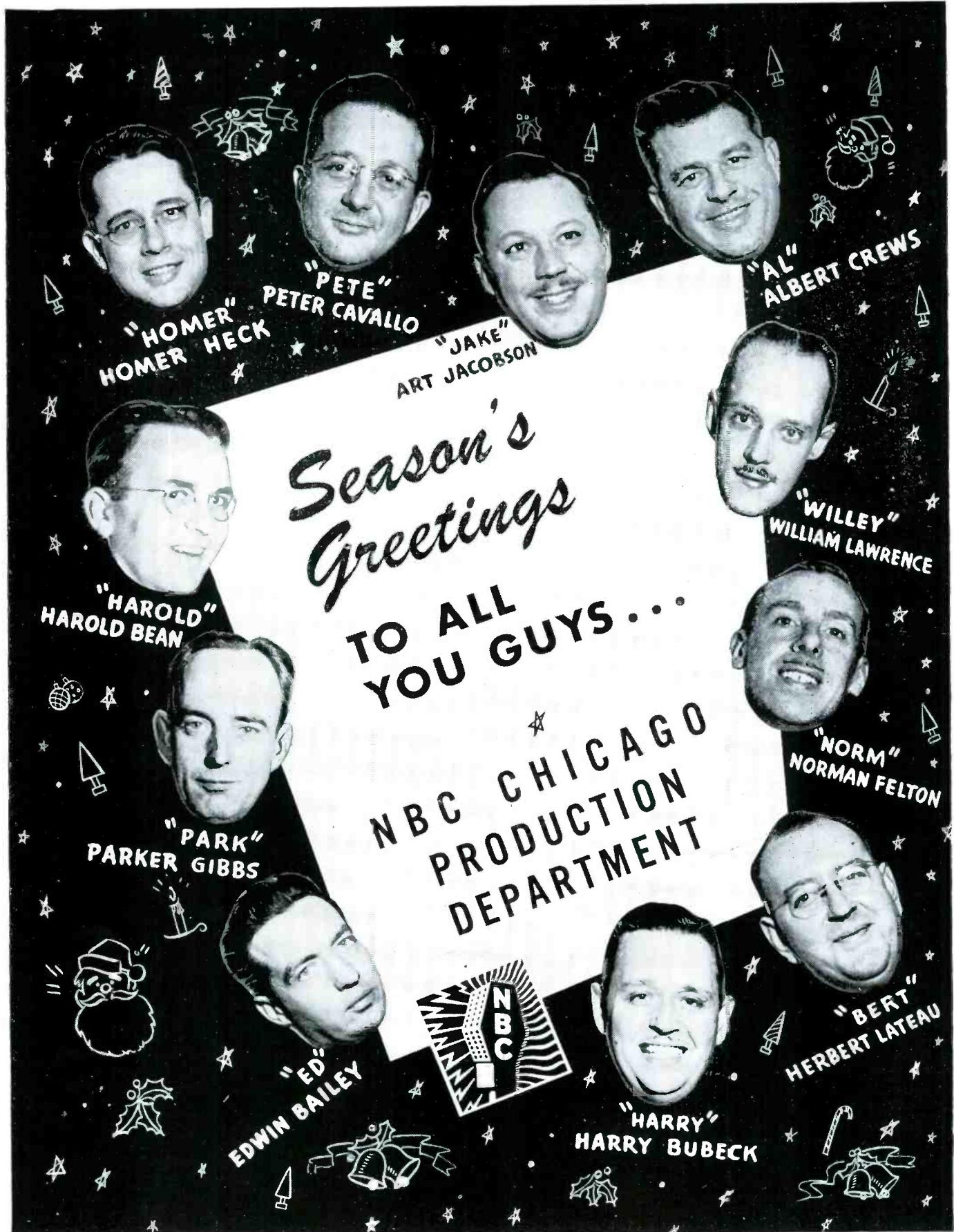


WMAQ

CHICAGO KEY STATION... NBC NETWORK

Extends
Cordial Season's Greetings
to all Members of
N.A.B.E.T.





Merry Christmas



Louis Roen

A
N
N
O
U
N
C
E
R
S



Charles Lyon

with Special Wishes to

Lt. Bob Brown, USNR

Lt. Norman Barry, USNR

1st Lt. Henry Cooke, USAAF

Lt. Fort Pearson

Lt. (JG) Dave Garroway

Ensign Richard Noble



John Holtman

N
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A
G
O



Kleve Kirby

Happy New Year

~~~~~  
GREETINGS

and

BEST WISHES

to N.A.B.E.T.

for 1945



IRNA PHILLIPS and CARL WESTER

~~~~~

Season's Greetings
to the Engineers

WWJ

THE DETROIT NEWS

Est. Aug. 20, 1920

Season's Greetings

to the Engineers

DETROIT LOCAL

American

*Federation of
Radio*

Artists

Headquarters for

RADIO

and

TRANSMITTER
Equipment

Let us help you on your engineering
and procurement problems. We are
always at your service.

M. N. DUFFY & CO.

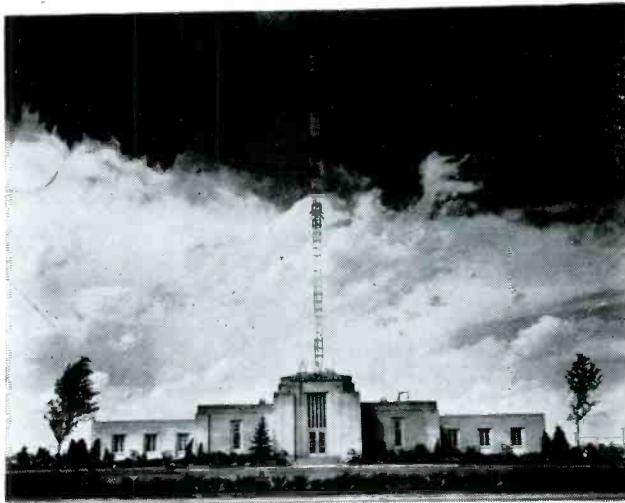
2040 Grand River Avenue

Detroit 26, Mich.

Radio Distributors and Engineers.
Mich. Rep. F. M. Transmitters by R.E.L.

Detroit Chapter News

By Dave Stewart



WWJ—Detroit News Transmitter Building
8-Mile Road and Meyers Road, Detroit

IT SEEMS to us that we just get nicely relaxed, when we find another deadline facing us.

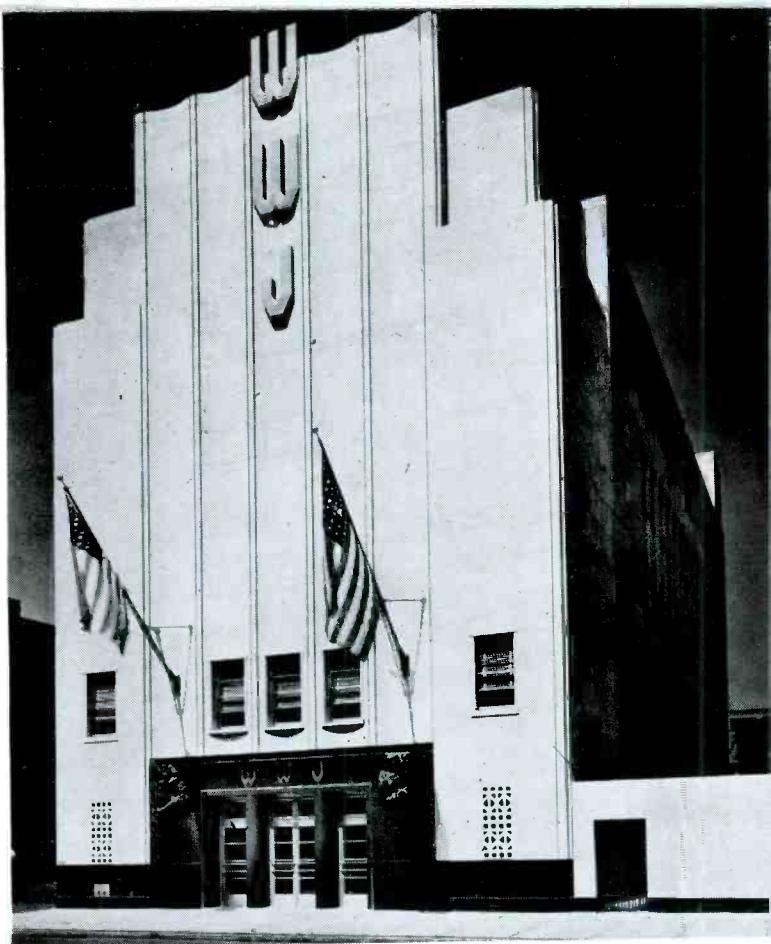
The past month has been rather a busy one about Detroit, first of all we received official notice from the NLRB that our group has been certified and that an election will be held sometime before November 30 to decide whether the WWJ & WENA technical employees prefer IBEW or NABET. Silly idea isn't it? But it does make things legal.

We just got over the Presidential elections followed up by our Chapter elections, so we are all familiar with voting straight tickets.

Here are the results of the Detroit Chapter voting, Alex Doran was unanimously elected Chairman and your reporter got the finger for the Secretarial chores. Ronnie Fisk won the toss as councilman for WENA our FM dept. Marshall McCausland is our xmitter representative and after much persuasion we finally convinced Roger Kneeland Ellis to accept the studio councilman's duties.

We had quite a problem on our hands in trying to arrange our studio schedules around so that we could cover shows and permit Alex Doran to attend the National Council Meeting in Cleveland. After much lend leasing of days off we finally got friend Doran safely aboard the Cleveland boat. The next day we got a sheepish fone call from our heavy eating Chairman to let us know that he was down in the Forrest City a week too early. Somehow or other we didn't note the change in convening dates. Alex says he enjoyed the boat trip.

Ole Lapham is up in the wilds of Northern Michigan stalking deer and ducking OPA men we understand, and if he finally gets that buck we are going to mount the antlers on top of the antenna. We are really pulling for Ole to bag



Exterior view, WWJ Studios, Detroit

that deer and we know the rest will do his frayed nerves a lot of good. His last few days at the studio were rather hard on the lad, what with missing switching cues, and off mic commercials, he sure needed the rest.

By the way have you had a cigarette lately?

Frank Koster came up with one of those fancy cigarette rolling machines the other day and after a couple of hours' effort finally came out with a cigarette you could drag on, without pulling the china clippers out of your mouth. We've been having a bit of trouble with dirty normals in MCR ever since, finally we cleaned the jack strips out in bay three and found enough tobacco crumbs to put The American Tobacco Co. back on a normal operating basis again. Well—almost.

Joe Brendel is spending all his spare time working on fiendish looking electronically operated bear traps, Joe owns a chicken farm and it seems that chicken thieves are operating in his vicinity.

Al Allen our Studio Supervisor has finally gotten that boat of his out of the water and the sails stowed away—seems silly to us tho', because it won't be very long before he has to put it back in, and nail the sails back on again.

Doran has gone on a strict diet and has cut down to seven meals a day.

Frank Lesinsky is going around with a smug look on his face wearing a brand new Stetson, thanks to Mr. Roosevelt carrying Michigan, and speaking of Frankie, watch for the next issue of the Journal in which we hope to relate "the Great Sweepstakes Mystery" starring Mr. Lesinsky in a tale of skulldugery on the high seas.

Charlie Kocher, new chief at WXYZ, got off to a tuff start in his new job. Charlie came back to Detroit after hav-

(Continued on Page One Hundred Twenty-six)

Best Wishes

from

WENR

Chicago

FOR 21 YEARS

“At Your Service”

Owned and operated
by the

Blue Network Company, Inc.

The Blue Network

Central Division Production

CHICAGO

JAMES BILLINGS

EARL BRONSON

CHARLES BUTLER

LEW GREEN

PHIL PATTON

CLIFF PETERSEN

ED. SKOTCH

NEWT STAMMER

★ LT. J. C. STANLEY

★ LT. TED TOLL

MARIE PATTERSON
(Secretary)

MARY FRANCES AMATO
(Secretary)

MAURICE WETZEL
(Manager)

★ U. S. N. R.
★ U. S. M. C.

SEASON'S GREETINGS

and BEST WISHES FOR A MOST SUCCESSFUL 1945

from these BLU€ ANNOUNCERS

Central Division, Chicago



DON DOWD



WAYNE GRIFFIN



PIERRE ANDRE



JIM CAMPBELL

And these BLU€ CENTRAL DIVISION announcers, now in the service of their country, extend their best wishes, too:

SP (T) 2/c Jack 'Norton' Brand
Capt. Lynn Brandt

Lt. Tom Casey
Cpl. Fred Kasper

Private Robert Sabin
Sgt. Jack 'Lester' Swineford

BREAKFAST CLUB
BLUE NETWORK
12th YEAR



Don McNeill:

"Hey, fellows! What do you think
Jack is engineering down there?"

Jack Owens:

"Believe it or not, guys, I'm just test-
ing her amperage."



CHICAGO CHAPTER CHATTER

By Arthur W. Hjorth

BURR WHYLAND of WLS studio, famed for his trained waltzing mice, has recuperated sufficiently from his recent siege of hospitalization due to a "transgression of the innards," to make the following statement, "NATURA ABHORRET A VACUO".

The SIXTH run-off for LAST year's Councilman is now underway, for the WLS-WENR transmitter group. The returns from the last count gave FORGACH 4, McDONNELL 3, RAWSON 2. It is said that if just one of these three candidates would announce his sponsorship by the Prohibition Party his election would be unanimous.

HARRY JOHNSON is a pupil of Art Shefte's Rapid Course in Modern Piano Playing. Art Hjorth is also using the same book of instruction and his nice wife CARMEN presented him with a brand new spinet piano for Xmas. Perhaps if musicians can be engineers than vice versa.

ADA and LOU HEIDEN acquired a small Dalmatian puppy last summer. Now he has grown to such dimensions that according to a recent statement from LOU, "We are renting the apartment next door for us, the da D d . . . wants this one to himself.



INEZ and MINOR WILSON have moved to their own home in Bellwood. Since Minor has kindly stored radio and photo paraphernalia for most of the gang in the service, his new neighbors thought that one of the South State Street radio salvage houses was opening up a branch in Bellwood. Mayhaps?

KUES KUM FRUM COMIK STRIP

Malcolm Claire, dean of comic strip interpreters, heard on WENR with the Chicago Daily News funnies, recently interviewed AL CAPP, instigator of LI'L ABNER on Sadie Hawkins Eve. Malcolm, with ten seconds to go before air time wanted R. S. DAVIS, Chicago's NBC Recording Supervisor, to cut a 78 of the interview only, to give Al Capp as a memento of the occasion. As cue sheet Malcolm gave Davis the days' Li'l Abner strip with instructions to start cutting after the words "It HAINT NECESSARILY HOOMIN" and stop recording when Malcolm said "AND NOW FOR OUR STORY" . . . and that is how little cues are born.

HARDY VICE-PRESIDENT FREDENDALL BRAVES WINTRY BLASTS

When mere mortals have safely stowed their yachts, sailboats and dinghies, Chicago Chapter Chairman "Bev." FREDENDALL sails a friend's racing sloop without regard for wind or weather . . . "and thus is the stuff of which NABET members are made".

DETROIT NEWS

(Continued from Page One Hundred Twenty-one)

ing been in the Cleveland office of the FCC. The first week he was on the job at XYZ his former associates at the FCC swooped down on the poor unsuspecting Kocher and really gave the station a fine-toothed-comb going over, after a painstaking search Dick Cotton of the Detroit FCC office chortled loudly with glee, when he found that there were no entries in the log showing the exact time of the antenna lights being turned on, and proceeded to write this infraction up.

Melvin Morehouse has left WXYZ studios, and at last reports was being instructed on the fine art of deck swabbing, at Great Lakes Naval Training Station Boot Camp.

Corby Stone, stormy petrel of WXYZ studios, has retired to the peace and quiet of the transmitter, and has been relieved by John Tierney who has taken Stoney's place in the East Jefferson rat-race.

Two newcomers on the XYZ staff are Louis Carducci, former navy radioman, and Ray Stenja, who comes from WEXL in Royal Oak.

No news from the Goodwill Station this month but next month is the time of the year for big news out at the Fisher Building.

And that's all from America's first station to broadcast regularly scheduled programs. (sounds involved—what?) P. S.

We have decided that when Lapham returns without that buck that we will try and sell him on going in for more exciting sports such as hunting bear, on horseback—with a sword.—Dbs.

SEASON'S GREETINGS

from



GOLDEN GATE QUARTETTE

MCA

MUSIC CORPORATION OF AMERICA

GOLDEN GATE QUARTETTE

Orlandus Wilson Alton Bradley

Clyde Riddick Henry Owens

and Conrad Fredericks, Pianist



Yuletide Greetings to Last the Year Through

JACK ARMSTRONG

Starring GIL KEMP Engineer

Assisted by

Jack.....	RYE BILLSBURY
Betty.....	SARAJANE WELLS
Uncle Jim.....	JAMES GOSS
Billy.....	ROLLAND BUTTERFIELD
Announcer.....	FRANKLYN MACCORMACK
Sound	MIKE EISENMAYER
Production.....	JAMES JEWELL

To You "V.I. Joes"



THE ROMEOS

THIS SPACE
RESERVED FOR
KAY CAMPBELL

THANKS A MILLION

from

THE CAST OF CAPTAIN MIDNIGHT

Captain Midnight

Joyce Ryan

Chuck Ramsey

Ichabod Mudd

Count von Schrecker

Bugs Austin

Ed Prentiss

Marilou Neumayer

Johnny Coons

Hugh Studebaker

Paul Hughes

Jack Petrucci

ALL THE BEST

from

CHARLES IRVING

BEST WISHES



MARION MANN

Breakfast Club

The Best to You . . . Always!



The Four Vagabonds

Greetings, Fellows —



ED ROBERTS

Order from NEWARK for Quick Service on Radio Parts

Right NOW we may have exactly what YOU need. Every day we supply transformers, resistors, rheostats, condensers, rectifiers, filters, wire, panels, sockets, tubes, and thousands of other vital electronic items to America's Radio and Communications industries.

When you send us an order for the things you need, we ship every possible item, at once, right from stock, and advise probable delivery date on balance of order. You will like NEWARK service!!

NEWARK ELECTRIC CO.

323 W. Madison Street

Chicago 6, Illinois



BEULAH KARNEY

BLUE NETWORK . . . WENR



B
R
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C
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Fellas:

They Say Radio
Is Here to Stay.

I Hope I Am!

AUNT FANNY
(Fran Allison)



The Cadets



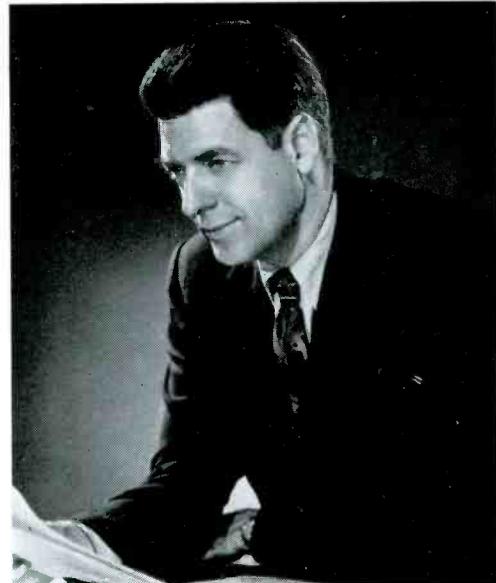
NANCY MARTIN



WILLARD WATERMAN

Greetings to the Engineers

(Especially those who suffer along
with me on the early morning side)

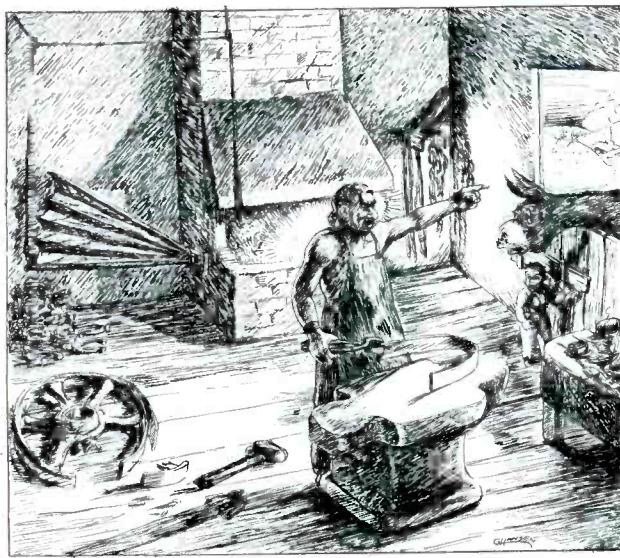


CLIFTON UTLEY

Thanks to You Fellows
for Everything . . .



ALEX DREIER



The Parable of the Donkey

By Norman M. Drysdale

ONCE upon a winter's day, a certain blacksmith whose name was Neigh, but was called Bet for short, did kindle a fire of hot coals, and upon his anvil did fashion some horseshoes, ringing a right merry tune with his hammer. Moreover, because it was cold he did securely fasten the lower door, forasmuch as the wind did mightily whistle without.

Now it came to pass that a certain donkey did behold the light of the forge, and coveting its warmth and comfort, did forthwith bethink within himself to contrive to venture inside, but found much to his chagrin the latch of the lower door secure. Notwithstanding he did straightway put his nose over the ledge and besought the smith to suffer him to come within to the fire to warm himself withal. "Not so," quoth the smith, "lest peradventure there be no room for us twain within so small a compass."

Now the name of the donkey was Titwillo because by his braying he fancied himself a musician of sorts but his owners set great store by him and called him Pet.

Essaying to gain entry, Pet stretched his long neck in as far as it would go; whereupon the smith did expostulate and bade him begone. "Thou art indeed hard of heart," whined the donkey, "I am only warming my nose."

Now it came to pass that Farmer Brown's boy who had been beguiling the time by playing with the bellows did, unbeknown to the smith, privily unhook the latch of the door. Whereupon the donkey did forthwith venture further in with his forelegs, contriving to devour the smith's victuals from the platters which had been placed hard by the entrance.

"Thou oak-headed varlet!" roared the smith in a rage, shaking his fist at the boy, "Couldst not divine that yonder donkey will prevail to come in apace and will straightway kick both thee and me hence?" Thereupon he did cast about for a weapon and seizing upon his trusty sledge hammer did chase the donkey back whence he came. NOTE: Any resemblance between characters portrayed and persons living or dead is purely (ninety-nine and forty-four one-hundredths per cent purely) coincidental.

A Merry Christmas from WLS Concert Orchestra



Theodore DuMoulin

Karl Schulte

Gaston DuMoulin

Lawrence D. Gordon

Aloysius P. Klatt

Walter E. Lewis

Frank T. Messina

James Palecek

Emilio Silvestre

Margaret E. Sweeney

Charles Meinken

Herman Felber

David M. Bohme

Margaret Dunville

Herbert S. Johnson

Roy C. Knapp

Edward Marks

Thomas O. Moore

Maurice Schraeger

Christian Steiner

Oscar L. Tengblad

Max R. Thompson

Madeline Lorch

Best Wishes

To Our Broadcasting Friends

from

Milton and Norton Boom



Sound Systems by BOOM



CHRISTMAS, 1944

and a greeting to the engineers who are helping us and all our industry to new high marks of public service in *wartime* America.



A WLS NEW YEAR'S WISH

That you and your fighting buddies may enjoy a *peacetime* 1945.

Sincerely,

REPRESENTED BY
JOHN BLAIR & COMPANY



Management affiliated with KOY, Phoenix, and the Arizona network, KOY, Phoenix • KTUC Tucson • KSUN Bisbee-Lowell-Douglas

Greetings Engineers



Julian
Bentley



Ervin
Lewis

and

GIL HIX

WLS NEWS ROOM

Merry Christmas

ENGINEERS

JACK HOLDEN

GEORGE MENARD

HOWARD BLACK

HAL O'HALLORAN

RUSS SALTER

LEWIS LAMAR

JACK BRINKLEY

CHARLES SEBASTIAN

A
N
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S

Season's Greetings

to our Engineers

from the WLS

SMILE A WHILE

CAST

Arkansas Woodchopper	Salty Holmes
Doc Hopkins	Julie
Betty Jane	Judie
Pappy Slim	Dave Bohme
Jack Day	Frank Messina
Bud Spies	Jim Palecek
Glenn Ansley	Howard Black

A Happy New Year

GANG

AL BOYD

BEV DEAN

RAY FERRIS

BILL VANCE

HERB HOWARD

AL RICE



A MERRY CHRISTMAS

and

A HAPPY NEW YEAR

from

something "BIG" in radio

OTTO & Little GENEVIVE

Merry Xmas and Thanks

PRAIRIE FARMER - WLS

School Time

1230 WASHINGTON BLVD.
CHICAGO 7, ILL.

Jerry Walker

Educational Director

Merry Xmas

REGGIE CROSS

and the

Harmoneers

smilin' in with

BEST WISHES

from

GRACE McCARTHY

Season's Greetings

from

JIMMY BLADE

and His Music

W M A Q



Harvey Hays

Bob Murphy



Greetings

Ruth Lyon

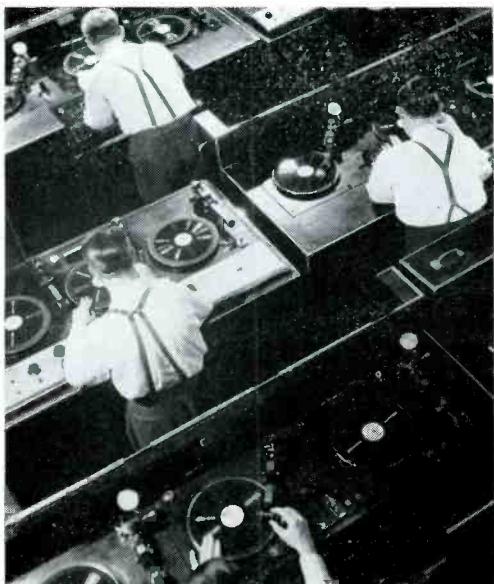


Season's Greetings

from

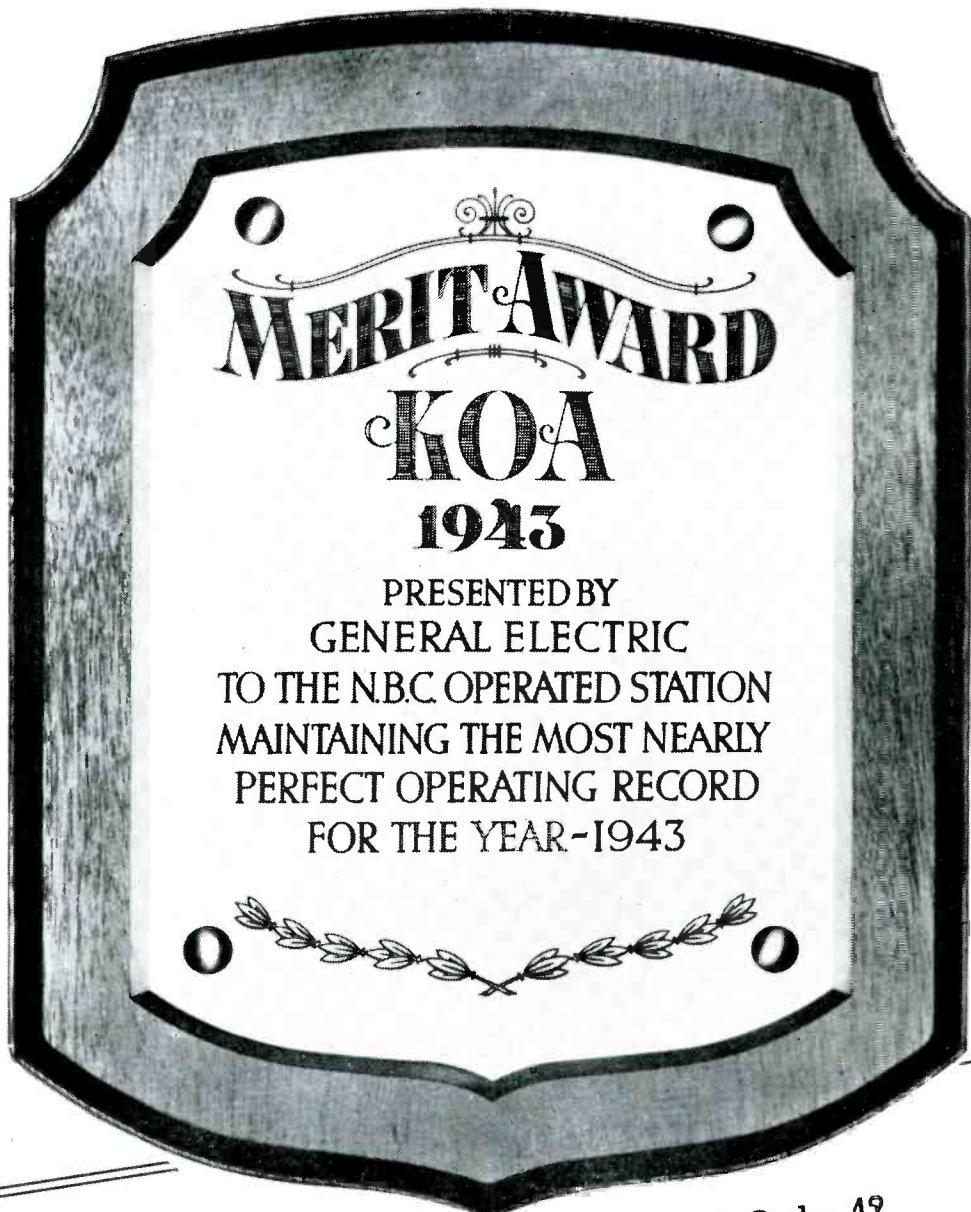
ART HERN

G R E E T I N G S



NBC — CHICAGO
SOUND ARTISTS

CHALK UP ANOTHER HONOR FOR KOA!



Awarded for a magnificent record! Only 4⁹ seconds, out of 24,082,260 seconds (6,689 hours and 31 minutes) of broadcasting were lost in 1943 by KOA because of technical difficulties!

OWNED AND OPERATED BY NBC

• AMERICA'S No. 1 NETWORK

DOINGS IN DENVER :

By
George Pogue

AS THE year of 1945 looms into view, the KOA gang is celebrating its twentieth birthday, but also dreaming dreams and seeing visions of something to come in the next twenty years. In particular, **Walter Morrisey** (SS) sits in front of the Master Control Desk—he has just been banging on the TWX—“Will somebody please DIAL this d—n thing off)—and dreams of a time when there will be two control rooms at KOA, one at each end of the hall on the fifth floor. At other times **Clarence Peregrine** (SS), “Perry” to us, also sits in front of MCD and dreams—but only of the day when gas rationing is a thing of the past, and it will be possible to visit his favorite slopes where he can spend long wintry days on skis. **Joe Roher** (SS), proudly showing pictures of Joe, Jr. and relating his cute antics, says that he has been dreaming of the future for Jr. and that he hopes he won’t become involved in radio. We wonder how the chip off the old block can follow in papa’s footsteps (pulling gags and stuff) without a good knowledge of radio. **Gene Carpenter** (SE) is dreaming of going into the restaurant business as a sideline. He wants to build a place on the corner of his farm and sell T-bone steaks with all the trimmings for two bucks. Let us know when you open, Gene. **Garland Dutton** (Dutt), still at the studio as summer (winter) relief, is dreaming of the first of the year when he will be going back to the transmitter to his former duties.

Back in the present, it seems that **Pied Piper Aubrey Blake** (SE) is still carrying on his war against rodents. Instead of at the studio, it seems that now there is a pet rat that visits his house, not nightly but daily. This rat has avoided all types of traps set with different goodies from the Blake icebox. Being out of ration points, Aubrey will now take a few pot shots at it with his trusty shotgun.

Vacation season is still on. **George Pogue** (SE) has just returned, having spent most of his time at home, but a week of it in Greeley, Colo., the “old home town”. **Kenneth Raymond** (SE) is on vacation now and as far as we know, he is trying to bring in a few pheasants. The last one on the vacation list will be **Joe Finch** (SE). As he will return on the day before New Year’s Eve, he is not worried about what hours he will have to work on Christmas Day. Joe was all set to sink his teeth in turkey around noon Thanksgiving Day when a special show came up that gave the poor bird another respite until about three—but the overtime and two tickets to the Winger Victory Show at the Auditorium gave Joe something more to be thankful for.

The old saying, “Talk About the Devil, etc.” applied to our last month’s article about **Lt. Commander Glen Glasscock**. Just two days after our report of last month’s doing had been sent in, who should pop in but Glenn in person. He is home on leave, his first since Pearl Harbor. We were sure glad to see him; he came up to our NABET luncheon where he talked about his many interesting experiences in the SOPAC (South Pacific to you).

Milton Hall (SE) thinks California hasn’t anything on Colorado when it comes to long football seasons. Having covered most of the regular season’s games this fall, he can be seen still lugging ND-10’s, Parabolas, and miscellaneous what not up stadia steps (Tnx Cincinnati) in a foot of

snow and at just ten above zero. These post-season games have been for the benefit of the sixth war loan.

Douglas “Pinkie” Kahle is all smiles these days since he is back on the morning shift, after covering three weeks of the night shift. At the present he is trying to persuade the supervisors to assign the night gang to his job of “Dusting MCR”.

Stan Neal (SS) has come “indoors” for the winter since the sailing season is over. He is overhauling his boat for the day when the balmy breezes will again be blowing across Sloan’s Lake. His car is parked outside now to make room in the garage for the lovely “Janlou”.

Carl Schuknecht (SE) is back in the shop on maintenance since **Vern Andrews** (SE) is back to work again after an operation that put him out of action for a couple of weeks. Vern says that he ate too much ground glass.

Oh, yes, speaking of the transmitter brings tears into our eyes. After ten months with only four seconds loss of time on the air, a new record was set up for the most time lost in one month! **Joe Turre** (TE) was brought to his feet by the antenna alarm going off due to low antenna current. A plate blocking condenser went bloopie in the 5 KW stage. Joe says, “Why couldn’t it have waited at least until the first of the year?”

Carl Nesbitt (TE) is now back to a “one car” automobile driving. Carl has sold his ‘40 Chevvy for a ‘32 Chevvy plus a Model A Ford—main idea, to get more mileage for his gas. But “Too many headaches with the OPA,” says Carl. Methinks Mrs. Carl may not have been too pleased with the trade, either.

George “Andy” Anderson (TE) is still the gang pedagogue. He is still teaching for E.S.M.W.T., only this time it is Calc. His biggest problem is to find the co-sign of switching shifts so that he can meet his class.

Blair Dobbins (TE) has at last had to put away his golf clubs in deference to our last little snow flurry. He says he had a very successful season though. Any indoor sports, Dobby?

We are very proud to announce that **Russ Thompson** (TS) and **Oliver Pierce** (TE) are our top blood donors to the Red Cross Blood bank. Each has given eleven times.

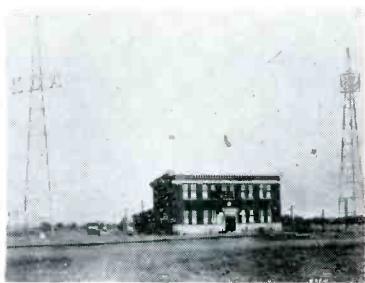
As we close this, KOA is on the eve of being twenty years old. **Francis Nelson** (TE) says he can remember how exciting it was on that night of December 15, 1924 when KOA first took to the air waves. And so to all of you from all of us, we wish a Very Happy and Prosperous New Year.

RECTIFIER TUBES’ RECORD

Frank Fillmore, KWK’s transmitter supervisor, is mourning the loss of two, good, old (and I do mean old) friends. Frank finally had to remove a pair of high voltage rectifier tubes from the transmitter after 56,457 and 58,720 service hours, respectively.

These tubes were original equipment of the present transmitter, dating back to August, 1936. Fillmore says he’s going to miss his two old standbys—but then he still has three other originals to keep him company.

Frank would like to hear from anyone who has his eight-year service record beaten; he feels that it might possibly be some kind of mark.



KOA 1924

Season's Greetings

G. H. Anderson
V. E. Andrews
A. F. Blake
J. E. Carpenter
B. E. Dobbins
G. S. Dutton
J. Finch
*G. R. Glasscock

J. M. Hall
D. D. Kahle
*A. C. McClellan
W. L. Morrissey
W. S. Neal Jr.
F. A. Nelson
W. C. Nesbitt
C. A. Peregrine

O. B. Pierce
G. G. Pogue
K. N. Raymond
J. H. Rohrer
C. W. Schuknecht
R. C. Thompson
J. L. Turre
*(Men in service)

N-A-B-E-T *Denver*

KOA 20th ANNIVERSARY

Dec. 15th, 1944



Lou
Morgan

... now in
his third year
at the famed

Emerald Room

Denver's Brown Palace Hotel

Season's



Greetings

JACK NORMAN
Radio's Original
Singing Cowboy

KOA

NBC

DENVER

Season's Greetings



Gil Verba
Announcer



Mr. and Mrs. Duke Melody
The Royal Family of the Piano



Evadna Hammersley
Writer and Commentator

Season's Greetings

from the

PIONEER RADIO DISTRIBUTOR

of the

Rocky Mountain Region

Distributors of

**Radio Corp. of America Products
and Audiodiscs**

Inter - State
Radio and Supply Co.

1639 Tremont Place

Denver, Colo.

Established 1921



*"A Happy
Good Morning
to You"*

**HAPPY
JACK TURNER**

KOA and NBC

Season's Greetings

To the Engineers from
The KOA Announcing Staff

Ivan Schooley
Rolf Hertsgaard
Steve Robertson

Gil Verba
Cecil Seavey
Vic Roby



Boys, right to left: Boyd (Bomber) Whitney, Fiddling Rook, Chuck Miller. Girls: Penny Whitney, center; Babe Tatum, left; Jerry Tatum, right.

Season's Greetings

From

KOA
TEXAS
VALLEY
FOLKS

Rhapsody of the Rockies

from

Out of the West

MILTON SHREDNIK — KOA

"Music by Shrednik"

Season's Greetings

from

THE CACTUS GRILL

In the Mack Building

Just Across from NBC

Season's Greetings



KVOD — Blue — Denver

Holiday Greetings

To the Engineers from
The KOA Newsroom

Carl Mehl

Otis Bottoms

Pat Warfield



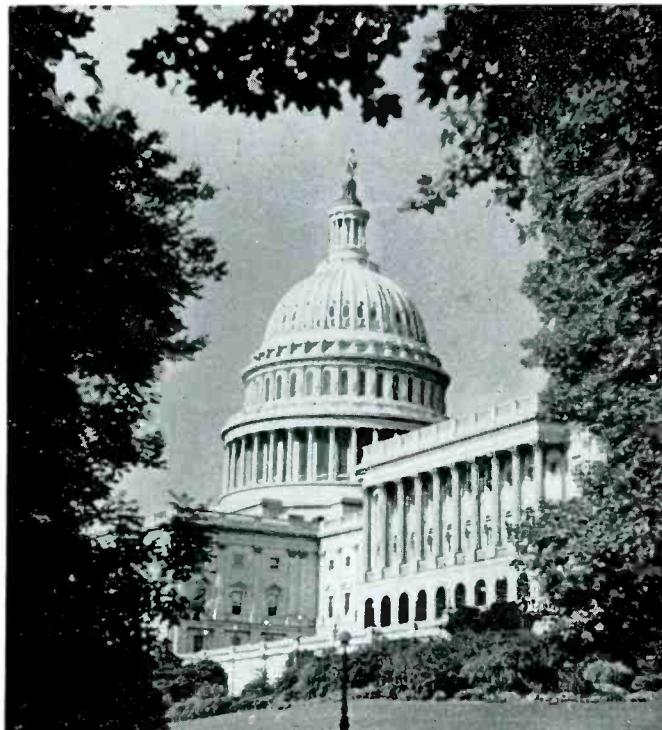
THE CLEVELAND
N. A. B. E. T.
CHAPTER



Wishes the Readers of the Journal
All the Best



Greetings from the Nation's Capital



Washington Chapter . . . N. A. B. E. T.

STUDIOS

ACTON	HAMILL, USNR	NEWMAN	SMALL
ALLEN	HENRY	POWLEY	STETSON, USNR
BOYD, USAAF	HILDRETH	RIEDEL	THOMASSON, USAAF
BURG, USNR	HOGAN, USNR	ROGERS	WARD
CHEW	JOHNSON, USNR	SIMMONS, USNR	WEAVER
CLARK	McCLELLAND, USAAF	honorary . . .	WILLIAMS
FUGAZZI	McCOLLUM	COOPER	engineering sec'y . . .
GODWIN, USNR	McGINLEY	TERRELL	BIRGFELD
	MELINE		

RADIO RECORDING

CLOSE PERKINS SHENTON

WRC TRANSMITTER	WMAL TRANSMITTER
LEISNER MEYERS	STAHL YATES

ANSPACH
FISHER

HUNTER
NAGY

WILLIAMS

★ In Memoriam . . . ★
ALFRED R. McGONNEGAL, USNR



Merry Christmas and Sincere Good Wishes

. . . to the great gang who so efficiently handle
all our programs on WMAL, as well as the many
Washington originations to the Blue, from . . .

The Evening Star Station
W M A L
BASIC BLUE NETWORK



In behalf of students and graduates of the
National Radio Institute, and the N. R. I.
Staff, I extend most cordial Season's
Greetings to the N. A. B. E. T.

J. E. Smith

President

NATIONAL RADIO INSTITUTE, WASHINGTON, D. C.

Raymond Gram Swing

WASHINGTON NEWS

By R. E. Shenton

ALLAN T. POWLEY, National President of NABET, will go down in the annals of this organization as the first full time paid president. He gained this distinction at the recent meeting of the National Council—the eleventh, to be exact—at which he was unanimously selected by the national councilmen. Powley's term of office is set for three years' duration, and he will be inducted into office on January 1, 1945. Al is, of course, already President of NABET, but he is still employed by the National Broadcasting Company, and carries on his duties for the engineering association only on a part-time basis. However, because of the growth of the organization during the past year, together with the activity entailed in combating Mr. Petrillo's greedy designs on our turntables, it was decided that the necessity for a full-time paid president was apparent. Needless to say, we're very pleased with Al's appointment here in Washington where we've been able to follow his extremely capable efforts for the past few years, and we're sure the choice was a wise one.

In order to devote his full attention to the national affairs of NABET, Al was forced to resign his post as head of the Washington chapter. Successor to that post is Clarence A. Allen, no newcomer to NABET members or readers of the *Journal*. Clarence, by the way, is also the present National Secretary-Treasurer of NABET, and has held local office in Washington several times. Allen's election as Washington chapter head is at present only until next spring when the end of the 1944-45 term expires; the usual election will then be held in the customary manner. John Rogers, of course, retains his post as Secretary-Treasurer of the Washington chapter.

* * *

Field Supervisor K. B. Williams has recently returned from a quite extensive series of trips with the Dewey (remember him?) retinue, winding up a several-thousand mile train ride with his OP5's and associated equipment. Perhaps the most unusual incident during the trip was the well-publicized train wreck out on the West Coast, in which, fortunately, none of the news and radio personnel sustained any drastic injuries. Other Washington member of the Dewey outfit was Ken Banghart, well-known announcer, who, incidentally, recently received the coveted H. P. Davis Award for best all-around announcer of a network owned station. In case some of our readers are unfamiliar with this award, it is a nation-wide competition among all announcers, so that winning any one of the awards represents a truly noteworthy achievement. Our sincere congratulations to Ken who, beside being an excellent proclaimer, is a very swell guy to know and do business with in every way.

* * *

Also returned to town after a month's absence is Chief Engineer Don Cooper who spent the time in New York absorbing information about NBC's projected television plans. Rumor has it that all NBC-Washingtonites will receive the benefit of his instruction through the medium of informal classes in television theory and operating tech-

niques. All hands are looking forward to this as television ranks high in the interests of quite a few of the local gang. We'll keep our readers posted on progress in video as well as audio—and meantime, we're glad to have the Chief back home again.

* * *

Returned, too, after a slightly longer absence is ol' "Hand Me a Record" McGinley, after spending a very eventful several month hitch as Radio Operator aboard an American Liberty Ship. Mac was on the Mediterranean run, and involved in the invasion of Southern France, where, needless to say, he encountered much of the interesting as well as dangerous. Most noticeable (by its absence) was Mac's hair; it seems that part of the necessary indoctrination of a Merchant Seaman is to remove excess head foliage. Well, the hair's coming back now in force, and things soon will be completely back to normal. We hope to bring you a more complete relation of some of Mac's experiences if he's willing, but meanwhile, it's nice to have Mac back too.

Next month brings about the much awaited Yearbook issue, so until then, our time will be fully devoted to trying to fill it with Washington ads. So in one way or another, we'll see you in January—Merry Christmas, too!

To the Most "Level Headed" Guys in Radio

A Merry Christmas



BAILEY AXTON

... thanks to the boys
who made that award
possible . . .

KEN BANGHART

WRC — Washington





Holiday Greetings

to

All the WRC Gang

from

BILL HERSON

and

Special Thanks to the
Early Morning B'hoys,
"The Fearless Four—"

- JIM MELINE
- HERB RIEDEL
- JOHN ROGERS
- JIM WEAVER



A Merry Christmas

To All The Friends

of CREI

from

E. H. RIETZKE

AND THE ENTIRE STAFF

and the hope for a
Victorious New Year



CAPITOL RADIO ENGINEERING INSTITUTE
16th Street and Park Road, N.W.
Washington 10, D.C.

To a Victorious 1945



RICHARD HARKNESS

NBC, Washington

Best Wishes . . . from



NANCY OSGOOD

WRC—Washington

*Thanks a lot, fellows—
from*

- KEN BANGHART • KEN LUDLAM •
- JOHNNY BATCHELDER • WALTER RANEY •
- DON FISCHER • GEORGE SANDEFER •
- HOLLY WRIGHT •
- and •

LT. JOHN HURLEY, LT. JACK RONEY
P/O STEVE DOUGLAS, ART 1/c STUART FINLEY

NBC-WASHINGTON ANNOUNCERS

WMAL

WASHINGTON, D. C.

INTERDEPARTMENT CORRESPONDENCE

TO	Engineers	DATE	The New Year
FROM	Announcers	SUBJECT	Congratulation

You NABET boys do a consistently fine job,
and we AFRA boys appreciate it. Thanks.

On the Blue	In the Service
Jim Gibbons	Ray Michael
Lee Dayton	Keith Jameson
Jackson Weaver	Tom Dolan
Harold Stepler	John Bradford
Norman McDonald	Allan Hampton
Ed Berch	

This is the BLUE Network

GREETINGS

from

"Eid in Washington"

Season's Greetings

from

DUTCH BERGMAN

WRC . . . Washington

To the Engineers:

Thanks and a Victorious New Year

MARTIN AGRONSKY

Blue Network . . . Washington

To THE ENGINEERS:

"thanks - very much!
from
Baukage

N A B E T

The Dixie Chapter

WPTF

680 KC
Raleigh, N. C.

Wayland Seagraves

Nickolas Pieler

Gordon McCrary

Joe Stephenson

Donald Massey

John Sherwood

Willard Dean

Howard Sugg

Alton Tripp

Waldo Rood

Rex Coston

Tom Sox

Robert Royal
U. S. A.

Frank Colvert
U. S. A.

Sam Liles
U. S. N. R.

Lawton Metcalf
U. S. A.

WDNC

1490 KC
Durham, N. C.

Gilmore Bowers

Edward Norman

Frank Tripp

Walter Hill

Extends

The Season's Greetings

DIXIE CHAPTER NEWS

By Rex Coston

THE New Year starts with a new chapter!

At the recent NABET national convention a charter was granted in the name of "The Dixie Chapter," comprised of stations WPTF in Raleigh and WDNC in Durham.

WPTF has been known for the past two years as the Raleigh section of the Washington Chapter.

WDNC, a new member of NABET, and WPTF join in an organization that we hope will grow by leaps and bounds.

The Dixie Chapter wishes to express its appreciation to the Washington Chapter for its splendid cooperation in the past few years of pleasant relationship.

Willard Dean was elected chairman of the new organization, with Nick Pieler serving as Secretary-Treasurer. Councilman for the WPTF transmitter engineers is Joe Stephenson; for the studio engineers, W. P. Seagraves. The WDNC councilmen will be elected at a later date. Rex Coston will handle the publicity. Other members of the Raleigh section are Gordon McCrary, John Sherwood, Howard Sugg, Alton Tripp, Waldo Rood, Tommy Sox, and the latest addition—Donald Massey. The Durham section members are Gilmore Bowers, Edward Norman, Frank Tripp, and Walter Hill.

The WPTF boys have been brushing up on their figures for the past few weeks! However, the occasion is not a beauty contest, but a bit of extra-curricula activity in the form of a radio math course offered at North Carolina State College here in the capital city.

The most recent addition to the WPTF staff is Tom Stone, who will be in charge of production. He is a real old-timer of 16 years' radio experience and will be more than welcome to the staff.

We really claim Tom as a local boy who made good, since he was born in Raleigh, however he was brought up in Florence, South Carolina. He attended Staunton Military Academy and has an LIB degree from the University of South Carolina. He is a member of Pi Kappa Phi (social) and Omron Delta Kappa (honorary leadership) collegiate fraternities. Tom played varsity baseball and football at South Carolina. He organized and managed the "Carolina Gamecock Orchestra" and took them to Europe for three summers' engagements at the famous Casino de Deauville; Monte Carlo Casino, and Pschoor Dancing, Rotterdam, Holland. After college, he booked orchestras and artists with the Music Corporation of America. Then he turned to radio. First as a network producer of such shows as "Around the World with Libby," "Forty Fathom Trawlers" and others. At Stations WMCA, New York, and WFIL in Philadelphia he was Director of Commercial Continuity and Production.

Stone was the original writer of the famous Victor record program, "The Music You Want," which he continued for 2½ years. Then he wrote and produced "Consumer Time"—NBC coast-to-coast from Washington—for the Department of Agriculture and the General Federation of Women's Clubs. He designed, wrote, and produced the first locally sponsored Government program—"Your Civil-

ian Defense Reporter" for the District of Columbia OCD.

Since Tom left the Radio Branch of the War Department's Bureau of Public Relations in 1943 he has been free-lancing in Washington. His latest assignment was Radio Director of the District's Dewey-Bricker Club.

Tom has been in radio since 1928 and is just 40. If you ask him about his hobbies he will probably tell you that he has none, but he will say that his favorite expression is: "Now that we have nothing to do, let's talk about radio."



"Don't let him snap us 'till we get going," says J. Willard Dean, WPTF control operator, to Fay E. Biggs, publicity director . . .

Eavesdropping behind the pair is Henry Hulick, chief engineer. Seated to the left is Donald I. Massey of the transmitter, and standing, is Gordon McCrary, control room.

The occasion was a special "Dr. I. Q." broadcast from Raleigh Memorial Auditorium, which netted \$1,004,928.75 in the sale of war bonds, for the Wake County Sixth War Loan.



ROBERT McCORMICK

WASHINGTON — HONOLULU
GUAM . . . AND POINTS WEST

LONE STAR QUARTETTE

going into fourth
successful year at

WPTF

Heard daily at 11:45 A. M.



MILTON ESTES

MANAGER and EMCEE

Greetings

from

Leo de Sola

Music Director

WPTF — RALEIGH

SOUTHEASTERN RADIO SUPPLY CO.

*"Serving Broadcast Stations
in the Southeast"*

411-415 Hillsboro Street Raleigh, N. C.

Greetings... from



MORGAN BEATTY

—That's all for now and thank you!



Henry Meyer, well known to all of you who read these pages, genially poses and quotes Article V, Section 19 of "The Law" which says, "We spin."

—Photo by De Somov.

N B C

BERG
BREWER
BUTLER
DEWING
DINGLE
FELL
HALL
JEFFERSON
KELLOGG
KILGORE
KOLM
MANNING
McDERMOTT
McELWAINE
MELNICOE
MITCHELL
O'NEIL
PARKHURST
POAGE
PUCCETTI
SHOVER
STEVENS
SUMMERS
TAPPER
VAN WART
WATSON, W. A.
WATSON, T. M.
WAUCHOPE

GREETINGS from



BLUE

ANDRESEN
BALL
BLANCHET
BLANK
CASE
CASSIDY
DUNNIGAN
HAMMA
HARVEY
IRWIN
KRAMER
MARTIN
McDONNELL
NICKELS
OLIVER
PRAY
ROTHERY
SANDERS

*Absent
Members*

BARNES
FULLAWAY
McAULAY
PARKS
WILLIAMS
CALAHAN
JACOBS
SUGG

SAN FRANCISCO CHAPTER, N.A.B.E.T.

Broadcast Engineers' Journal 154 Yearbook :: January, 1945



Everyone at

STATION KGO
THE BLUE NETWORK
SAN FRANCISCO



*. . . joins in saying thanks to
the engineers for a hard job
well done in 1944 and in
sincere best wishes for a . . .*



**Merry Christmas
AND A
Happy New Year**





Among those present were: FRONT ROW, seated, L. to R.—Harvey, Nickels, Dewing (Senator) Watson, Cassidy, Dunnigan. MIDDLE ROW, seated—Berg, Alma Oddstad, Butler, Melnicoe, McDermott, Stevens. THIRD ROW—Barron, — —, Pray, Jefferson, Rotherapy, Puccetti, O'Neil, — —, Andersen, Maxwell. BACK ROW, standing—Kramer, Martin, Parkhurst, Hall, Kolm, Van Wart, Hamma. (Maitre d') Shover, McDonnell.

San Francisco News *By Jack Van Wart*

SAN FRANCISCO is still going places. With the stepped-up tempo of the war in the Pacific, the strategic location of San Francisco as a communications and shipping center has become apparent to all the world.

The increased number of Pacific "pickups" found the existing audio facilities inadequate. A hurry-up job of increasing and revamping of the equipment was completed under the supervision of Oscar Berg, who along with Eddie Parkhurst and Don Hall, labored many long hours. This work concluded in spite of the shortage of necessary material and vacations of personnel.

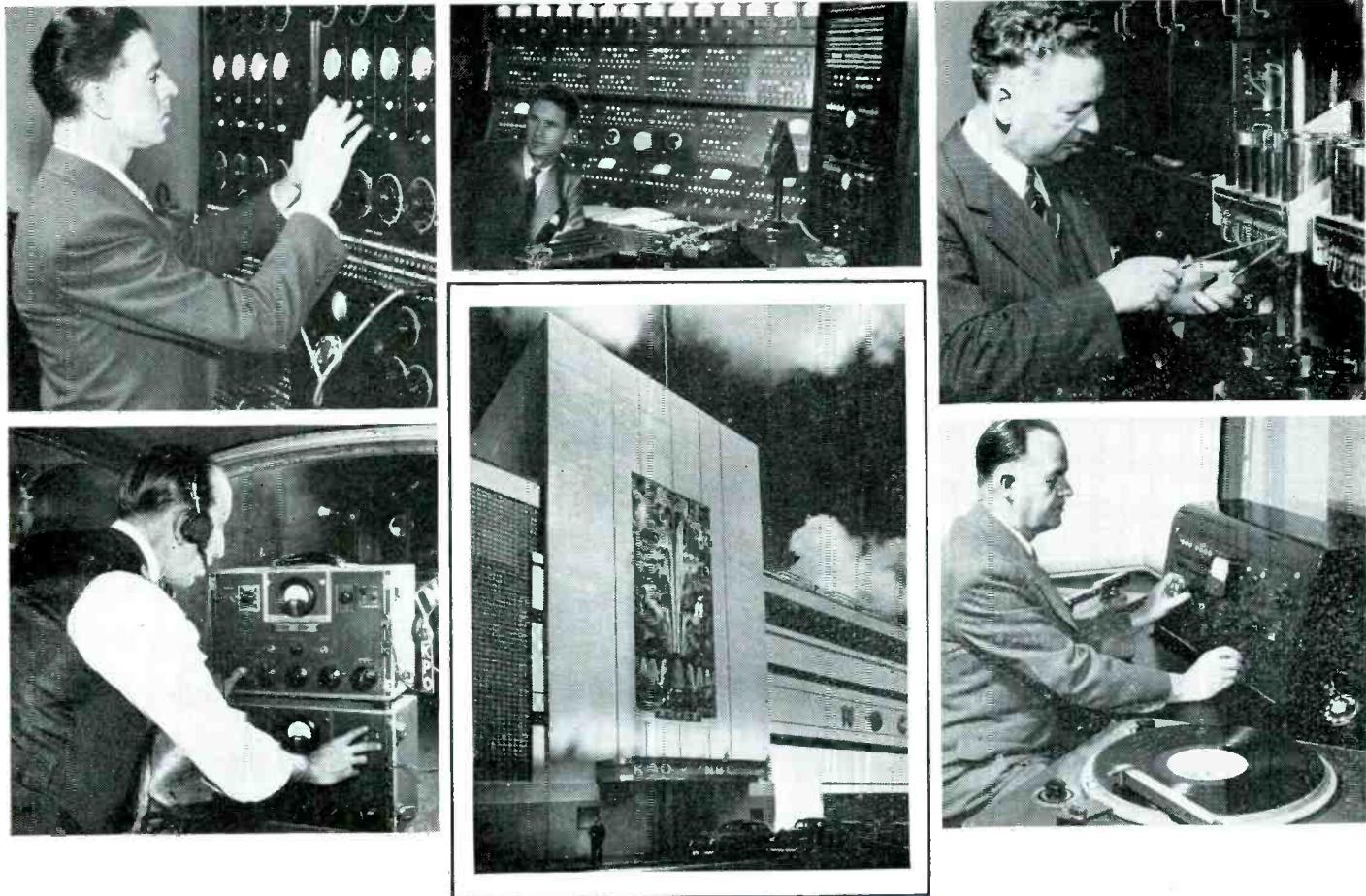
Like the other key NBC-BLUE offices, we have had many additions, subtractions and transfers in our engineering personnel. The staff in New York will have greeted our own Frank Barron who is a veteran of 11 years in NBC, San Francisco.

Clark Sanders accepted an assignment with Blue Special Events in the Pacific as a War Correspondent. Sam Melnicoe, SE, my predecessor, and Roy Fell of KPO transmitter are slated for the Dixon shortwave plant. Additions to our staff of studio and recording engineers include Earl Sorenson, SE, one-time member of the maintenance staff in Hollywood; T. D. Maxwell, SE, from SF OWI; Robert W. Salle, RE, from Marinship in Sausalito; Larry Shepherd, RE, from Fresno radio and more recently USN.

A complete story of San Francisco's new baby, the shortwave plant at Dixon, will be forthcoming soon as it nears completion.

Monday, November 20, was a day that will hang around the memory of one of our more substantially built engineers not a little while. It was one puzzling situation after another for Russ Butler, said engineer. The whole day was well planned by "fixer" Lee Kolm. The occasion for all festivities and oddities was the forthcoming divorce of Mr. Butler from the Bachelor ranks. Mr. Kolm's first strategic move was to call Mr. Butler's home in Oakland to find out if Russ had any plans for November 20th in the PM using the excuse that there was the possibility of his changing Russ' watch (he can do it too). It was learned that the prospective Mrs. Butler would be involved in a shower (not a bath) so the time was set at 6 PM in the conference room, where conferences are held.

The hat passing for each engineer's fair share followed and invitations were sent via Morse to the transmitters. The food and swamp juice was procured and everything was set except that Russ still was ignorant of the goings-on (his mind was obviously on that \$2.00 fee for the marriage license) and although he was instructed to stay on a rehearsal unusually late he said nothing. Even when he was told at the end of the rehearsal to go to the conference room to play back some records for the sponsor (which in this case causes no consternation) he still didn't tumble. When he opened the door to the darkened room and the lights came on revealing the motley group of about 40 odd engineers he lost his power of speech. The usual remarks were passed and pictures were snapped and all took part in the "spirits" of the occasion.



Salute to the Engineers

KPO-NBC Management salutes those men whose behind-the-scenes ingenuity and resourcefulness—whose coolness in emergency and technical know-how contributes so much to listener pleasure. KPO-NBC engineers may be "unknown and unsung" to the listener, but they are not unhonored in their own KPO-NBC family.

All credit to them for a job well done.

KPO
SAN FRANCISCO



KPO's the only 50,000 watt west of Salt Lake, north of Los Angeles, south of Seattle and east of Moscow

THIS IS THE NATIONAL BROADCASTING COMPANY
A SERVICE OF THE RADIO CORPORATION OF AMERICA
Represented by NBC SPOT SALES

To our engineers and technicians

G R E E T I N G S



The Standard Hour's Seventeenth Anniversary Program, October 22, 1944, featured the San Francisco Opera Orchestra; its General Director, Gaetano Merola; and Rise Stevens, Charles Kullman, Virginia MacWatters, and Francesco Valentino, at NBC's San Francisco Radio City studios. Frank Barron, studio engineer, in the monitor booth.



THE STANDARD HOUR

"Radio's Longest Established Network Program"

(Affiliated with the Standard School Broadcast course in Music Enjoyment)

STANDARD OF CALIFORNIA

Broadcast Engineers' Journal 158 Yearbook :: January, 1945

Holiday Greetings

from

"JANE LEE"

"The Women's Magazine
of the Air"
N B C



Holiday Greetings

to

N. A. B. E. T.

from

PHIL BOVERO

Season's Greetings

from

Tom Gerun

Frank Martinelli



"BAL TABARIN"

(Columbus at Chestnut)

SAN FRANCISCO

Season's Greetings

to

N. A. B. E. T.

from

San Francisco Chapter

American

Federation of

Radio

Artists

Holiday Greetings

Gang, "And thanks for the use of the Hall"



CLANCY HAYES

SAN FRANCISCO

Season's Greetings

from

CHARLES RUNYAN

(Organist)

"DR. KATE"

"BENNY WALKER"

National Broadcasting Company

KGO Highlights

By
Kendrick Martin

(As compiled from Station notes.)

KGO, located in Oakland, California, and originally limited to 1000 Watts, was the second of three super-broadcasting stations planned by the General Electric Company and was first on the air, January 8th, 1924, on a wavelength of 312 meters. WGY Schenectady was the first of these stations, inaugurated in 1922 and later, KOA became the third outlet in Denver, Colorado. KGO was considered at that time large enough to service the entire Pacific coast.

Notes on record reveal, that: "For the first time in the brief history of broadcasting, buildings have been especially constructed to house equipment that is used exclusively for popular broadcasting." This studio building was a two story brick structure facing East 14th Street in East Oakland. A building now used as a part of the General Electric plant at that location.

From old timers, a partial list of staff members was obtained. Among the firsts were Albert "Shorty" Evans, now Engineering Manager for the Blue Net KGO, Henry Dunton, Station Engineer for KGO. Also among the originals were Walter Kellogg, now at KPO Transmitter in Belmont, and Don DeWolfe, now in charge of sound effects at Hollywood, who was at that time in charge of outside pickups. Kolozar, Dekens, Dave Gibbons and Bill Snyder were also present among others whose names have been lost with the passage of time. Engineers for GE, Harry Saltenwater, Crippen and Koernig, supervised the installation. Directing operations for General Electric were Martin P. Rice and J. A. Cranston.

Three operators were on duty in the control room during all programs. Senior Operator controlled grouping of amplifiers, operation of gain control and monitoring output. The second operator took meter readings, recording them in the log and acted as assistant to the Senior when necessary. The third man stood guard on 600 meters, controlling a 500 watt telegraph transmitter on 300 or 600 meters for marine distress emergencies.

A main transmitter and an auxiliary were available for programs. The antenna consisted of a multiple tuned type, strung between two 150 foot towers, 250 feet apart. Beneath the antenna, the counterpoise consisted of twelve wires parallel to the antenna and 15 feet above the ground, covering an area of 150 by 300 feet. This antenna setup was changed from the multiple tuned type to the "T" type in mid-1931 and is still in use today.

The original studio building was turned back to the General Electric Company after the NBC took over the management of KGO on October 1, 1929 and the studios were shifted to 111 Sutter Street, San Francisco, at that time. The control room was dismantled and some of the apparatus rebuilt in the office of the transmitter building, a 71 by 32 foot stucco structure which was located approximately 2000 feet from the GE studios and directly beneath the antenna—the present transmitter location.

The original transmitter consisted of a grid tuning unit and a UV-207 oscillator, water cooled and thermo siphon. The modulator consisted of a UV-207 water cooled, with pump and fan attachment. In January, 1927, a crystal

control unit was built and transmitter No. 2 was placed on regular programs using crystal control.

In February, 1927, a home-made frequency control monitor was placed in use. On February 24th, 1928, a type DL2883725 1 KW crystal controlled amplifier was added to set No. 1. At the same time, two UV207 modulator units were placed in service.

On November 11th, 1928, KGO's frequency was changed from 780 KC to 790 KC. On March 29th, 1941, the frequency was again changed to 810 KC.

In December of 1929, racks were built of maple to hold the R F Amplifier and the modulator tube sockets. Spare tube sockets were used and a quick change-over switching arrangement constructed so that it was possible to place either a new RF tube or a new modulator tube in service within 15 seconds. At the same time, UV-848 tubes replaced the UV 207's as modulators. On May 1st, 1932, an RCA crystal frequency monitor was installed, and on July 25th, an RCA crystal controlled amplifier, type EX4170, replacing the first three stages of the General Electric 1 KW crystal controlled amplifier. KGO's No. 1 transmitter is capable of putting a power of 7½ KW into the antenna.

Set No. 2, the auxiliary transmitter has a power rating of 2½ KW. It consists of a crystal unit, grid tuning unit rebuilt as a 1 KW RF amplifier, two modulators with power fan and radiator cooling units. The audio amplifier feeding the modulator is a one stage UV 851 amplifier.

Two operators are on duty for all programs. The Blue Network KGO transmitter is located on a 2 acre piece of ground at 5433 East 12th street, in Oakland, California, at the rear of the General Electric plant and between East 14th Street and San Leandro Boulevard at the blind end of East 12th Street and the junction of 54th Avenue and East 12th.

Present transmitter staff consists of Station Engineer Henry C. Dunton and Shift Engineers, James I. Ball, George A. Irwin, Myron Case, James J. Blanchet, Herbert V. Kramer, Kendrick M. Martin, Eugene Nickels, and Janitor Manoel Perry. One member of the staff, Major Richard Parks is now on military leave of absence.

Thanks to the
Boys at the Dials



BILL BALDWIN

BLUE NETWORK

War Correspondent Attached to
U. S. Pacific Fleet



To the "Joe on the Board"

I'm a rambling wreck from some durn "tech"
But a whale of an engineer.
I hot the mike and work the board and make the broadcast
clear;
I never share the glory and I always get the blame,
But I wouldn't trade this job of mine
For anybody's game.

Producers make salaams to me, 'cause I'm the real "what
for".

My name ain't Benny, Fred, or Hope—or even Dinah Shore,
I'm merely Bub or Doc or Red, or Harry, Tom and Dick—
But when that broadcast rolls around, it's me that makes
it click!



In Grateful Recognition to the Broadcast Engineers
From the Brisacher, Van Norden & Staff Advertising Agency
On Their 25th Anniversary

Hearty Greetings



PAUL B. MALONE

Major General U.S.A. (Ret.)

Military Analyst
Blue Network

Frank Allen	John Grover	Clarence Leisure
Fred Jorgensen	Bud Heyde	Norman Loeble
Floyd Farr	Daryle Hutchins	Webb Witmer

Holiday Greetings

To the Men at the Dials from the
SAN FRANCISCO NBC ANNOUNCING STAFF

Season's Greetings

to the Engineers from

ELMER W. PETERSON

NBC — San Francisco

Season's Greetings

to the

Engineers

from

ALBERT WHITE



G R E E T I N G S

to the

Boys We Can't Do Without

The NBC Producers

DON THOMPSON

SAM DICKSON

NOEL FRANCIS

BILL SHEA

SAN FRANCISCO

BARBARA LEE

"Barbara and the Boys"

"This program comes to you from San Francisco"

Holiday Greetings

and Best Wishes

SONIA SHAW



Thanks for keeping me on the "level".

Good Luck!

Art Linkletter



Shenoravor Dzenount Yev Pari Gaghant

Which Means in Armenian

Merry Christmas and Happy New Year
TO ALL THE ENGINEERS

"GEORGE MARDIKIAN"

Of Omar Khayyam's

Very Best Wishes

from

MONTY MARGETTS

Season's Best Wishes

to all the Engineers



ANN HOLDEN

SAN FRANCISCO

from: John W. Elwood

General Manager, KPO - NBC

AS 1944 draws to a close, we at KPO, like the rest of the world, feel that we are not closing a book. Until the war is ended, radio's part must be a continuous one, and I am sure that I reflect the mind of every man and every woman on the KPO staff when I say that 1945 will see an intensification of our individual and collective efforts to try to make this the last war year.

KPO opened 1944 with a 24-hour bond marathon by Eddie Cantor. That great showman and great American came to San Francisco last January, and with the cooperation of the men and women of KPO, who stood his 24-hour watch with him, sold more than forty million dollars worth of bonds to the listeners of this one station.

Each successive war loan has seen KPO lending all its energies to spreading the bond message wherever its powerful voice is heard. A booth in our lobby today, as 1944 bows out, has thousands of dollars pouring across its counter. Ted Lenz, our "Midnight Special" program pilot, gives all his time—again with the assistance of fellow staff members—to selling enough bonds to buy a "Black Widow" night fighter for Uncle Sam. Typical of KPO spirit is the fact that the bond-seller is giving away his precious collection of rare records, one by one, to bond-buyers; that the help he gets from staff members is all volunteer. The 130 men and women who comprise our personnel don't count time or effort spent on the home front. In blood donations, now arranged on a weekly group schedule, in War Chest and Red Cross and in war bond sales, they have swept over the top, gladly, generously, this year.

As the tempo of the Pacific War increased during the last twelve months, so did KPO's responsibility. Our station is the nerve center for the shortwave channels through which the running tale of the Pacific War is brought to this continent.

NBC correspondents in Guam, Leyte, Honolulu, and other corners of the vast war theatre tell their daily stories to the KPO newsroom and the newsroom sends the words of Bud Foster, George Thomas Folster, Pat Flaherty, John Cooper and others speeding east to listeners all over the nation.

What a complicated operational task this shortwave job has been, I need not tell the members of NABET. But I can say that there's a bow due to the KPO technical staff for the enormous job of rebuilding present equipment and adding obtainable material in order to expand our facilities to meet the sharply increased needs for communication with the Pacific.

You didn't tie us together with baling wire, boys—



but if baling wire had been the only material obtainable I'll be willing to bet we might have heard the dramatic story of General MacArthur's return to the Philippines over that humble agent—you'd have made it work, somehow.

Hours have meant little to the KPO staff this year. On the air for 24 continuous hours during a large portion of the year, in order to be instantly available to the military if need arose, we have maintained an emergency system which is still in force. Thus, on the night of the disaster at Port Chicago, when an ammunition explosion wiped out the entire city, we were on the air within minutes after the explosion.

D-Day in Europe and A-Day in the Philippines found the KPO staff members briefed and ready at their respective posts, so that Northern California listeners might have fast, accurate accounts of these tense moments in world history. Yet, so speedy is the pace of things today, so dramatic every hour in the world conflict, that these events already are relegated to a place among the great stories of yesterday. We at KPO are looking ahead to the other big news bound to come from the Pacific, from Europe, from everywhere within reach of an NBC microphone, within the wave-length of our transmitter. We are looking ahead, too, to the opening of the great new shortwave plant which we have designed and built at Dixon, California, for and in collaboration with the OWI. Completion of the plant will make San Francisco one of the largest shortwave distributing centers in the world. It will be operated technically by NBC and manned by NABET engineers.

KGO

MARY SCOTT HILL

JIM G. BALDWIN

GUY G. ALEXANDER

LARRY TIGHE

FRANCIS LA TOURETTE

BOB LEVIN

MARGO ATWOOD

NICK ALLEN

KATHLEEN CONRAD



BLUE NEWSROOM

San Francisco

The Langevin Company

INCORPORATED

NEW YORK — SAN FRANCISCO — LOS ANGELES

AUDIO EQUIPMENT AND ENGINEERING

Condolences from

The Engineer's Nightmare

Ray "Repeat Performance" Lewis

Season's Greetings

— FROM —

"GLEN AGAIN"

NBC

SAN FRANCISCO

Season's Best Wishes

TED LENZ

KPO — NBC

Season's Best Kilocycles

"HAL BURDICK"

"Dr. Kate"

Management Larry Allen

"Night Editor"

FLASH!

Happy Holidays, Engineers

UNFLASH!

Ina Shippey

Barbara Cary

Tom Flynn

Bud Mayer

Newell McMahon

Jane Dachtelberg

"Chuck" Cooney

NBC NEWS and SPECIAL EVENTS
SAN FRANCISCO

Season's Greetings

to the Engineers

Berton Bennett

Tony Morse

George Fenneman

Alan Keys

Bob Greene

Norman Kohler

Herb Haley

Deane Banta

Bob Phillips

Blue Announcers — San Francisco

Thank you for
opening that

"Pot" at
10:15 P.M.

Bill Guyman

Sports Editor

KGO — BLUE
San Francisco



The
ENGINEERS

N.A.B.E.T.

of

WOW

N.B.C.

22

YEARS OF

PUBLIC SERVICE

Extend the Season's Greetings
To Radio Engineers Everywhere!

RADIO STATION WOW, Inc.

590 KC

OMAHA

5000 WATTS

JOHN J. GILLIN, JR., President

THE MANAGEMENT AND EMPLOYEES

of the

COLONY CLUB

EXTEND SEASON'S GREETINGS

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Season's Greetings

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Season's Greetings



from the Cast of
"YOUR AMERICA"

OMAHA NEWS

By Bob Rudd

MEET THE BOYS

STARTING with this issue, the Omaha section plans to run a biographical sketch of each one of its engineers.

After the Omaha WOW group has been presented, the engineers of our "Little Brother" station KODY, will be presented. This month we present Chief Engineer William J. Kotera:

William J. Kotera was born in Omaha, Nebraska, August 15, 1903. He graduated from Central High School in 1919. While in high school he became interested in printing and radio. In order to purchase necessary radio equipment, he worked part time in a print shop. His job was varied and he remembers well pushing a two wheel cart down Farnam Street to deliver checks and printed material to the 1st National Bank of Omaha. Through his contact with the bank he became known to them and after graduation was given a job as clerk. He worked for the bank from 1920 to 1921.

He obtained his first "ham" license in 1919 and was issued the call of 9DPW. No prefixes were assigned in those days and it wasn't until later that the hams started using U as a prefix to designate the United States. He held the call of 9DPW until 1923. His station like all of the "ham" stations of that day, was of the spark variety and consisted of a Thordarson 1/2 kw transformer hooked up to a rotary gap and later to a synchronous gap. "The noise from the gap was heard at a greater distance than the signal itself," relates Bill.

About this time the "commercial" radio bug bit him. Hams were starting to "broadcast" music and voice and some of them even built sets so the neighbors could hear their signals. Regularly scheduled broadcast signals started to spring up throughout the east. Bill decided that it was time to get a "commercial" license and get into this new field. He received his first commercial license in 1922.

This same year "The Journal Stockman," a market newspaper, decided to install a station for the purpose of sending out stock reports to cattlemen. They were assigned the call of WIAK. Bill was hired as operator and markets announcer. He installed the original WIAK transmitter using five 203A's in parallel modulated by five 203A's in parallel. The Heising system of modulation was used and the single button carbon "mike" worked directly into the grids of the modulator tubes. It's schedule was quite short and it came on the air only at certain times of the day. The transmitter was a far cry from those of today but to Bill, it looked good. Later Bill revamped this setup and installed a better system using a line amplifier working into a 204A Modulator-204A Oscillator combination. This was really deluxe broadcasting. Despite the fact that only an oscillator was used to feed the antenna, it got out quite well. Reports came in from as far away as Wyoming. Bill was with WIAK from 1922 until 1925.

It was in July of 1925 that Bill came to the then "WOAW" as operator and markets announcer. He stayed with "WOAW" (changed to WOW in 1926) until 1927 and then went to KMMJ, at Clay Center, Nebraska, as Chief Engineer. He remained at KMMJ (now located at

from KODY

By J. Beuford Eaves

VACATIONS for the staff of KODY are over now and things are about settled down to routine again. As

Engineer at KODY I naturally spent my vacation inspecting the plant and operations of WOW—(KODY's little brother). The boys at WOW certainly went out of their way to show me a 100 percent good time. Two very nice steakhoppers at the WOW favorite steak dispensary. It was very interesting to note that when the gang gets there, there is a very little room left for anyone else and certainly no one else tries to talk (due to local interference). The usual liquid appetizers were served before the meal. Joe Herold and Roy Glanton are doing wonders in keeping WOW modern in every respect. They are to be congratulated, considering the shortage of help.

The family and I spent a day and night on the lake south of North Platte. The boating and sunbaths were fine but no fish were caught.

Now a little information about KODY. KODY was originally KGNF but since Dec. 11, 1943, the station has undergone some radical changes. Joe Herold, as supervisor, has turned it into a first rate local station. We have a New Gates Model 30 speech console, two Presto recorders, a Gates Peak limiter amplifier and numerous other improvements. We are still in the process of conversion but everything is shaping up fine, and as equipment becomes available it is going into the making of the finest local channel station in the country.

The operator situation here is bad as is the case with most stations. Bill Green helped change over the original KGNF to KODY last December and has been plugging away ever since. He has decided to stay with us and is working hard for his Radiotelephone First. Not long ago Bill loaded up the (portable?) equipment and he and Joe DiNatale hied away about 100 miles down the Platte Valley to cover an especially fine horse show. It was Bill's first experience in trying to elbow his way through a crowd of five or six thousand people carrying two very heavy equipment cases and two hundred feet of cable coiled around his neck. He almost decided there wasn't as much glamour in radio as someone had told him there was. And to make matters worse the judges didn't pick the right horse as the winner.

Grand Island, Nebraska) until May of 1929 and then returned to WOW.

An interesting sidelight is the fact that Bill broadcast the first baseball returns in Omaha. He and Herb Lee (now with WOW as rewrite man) put them on the air as they came over the telegraph wire. Herb copied the scores from the sounder and Bill read the scores.

In 1932 he was made Chief Engineer of WOW and has held that position ever since. Bill has one child, Barbara Gayle Kotera. She will be ten years old January 29, 1945.

Bill, though not a member of NABET, is just one of the "boys" and his ability and wit is well known and respected by all who know him.

(Continued on Page One Hundred Seventy)

Season's Greetings

Glenn Billingsley's

C A F E TROPICS



• HOLLYWOOD •

Greetings

to the Boys



Phil and Alice

HARRIS

and Family

Season's Greetings

LARRY STEVENS

JACK BENNY PROGRAM

Best Wishes

to the Engineers



ROCHESTER

Merry Christmas

and may 1945 be a
Victorious News Year

SPIKE JONES

and the
CITY SLICKERS



A MERRY CROSSLEY
and a
HOOPER NEW YEAR!



"THE LIFE OF RILEY"
with WILLIAM BENDIX as "RILEY"

Sunday Night on the Blue

OMAHA

(Continued from Page
One Hundred Sixty-seven)

OMAHA NABET MEETING

The Omaha section NABET met in a business session at the Athletic Club, Thursday, November 16, 1944. This meeting long delayed due to first, inability to get all the boys together, then the illness of Councilman **Tex Glanton**, convened at 7:30 P.M.

Fred Frye (relief engineer) was hired to cover the evening shift at the transmitter so that **Mark McGowan** might attend the meeting. **Waldon Seih** (New to WOW) held down the trick at the control room. This allowed all NABET members to be present. Waldon, not yet a member, will be eligible soon. Eight regular members and one inactive member were present. Inactive member **Paul McDonald** attended and his advice and comments were greatly appreciated. Hope you will attend all the meetings, Paul, and lend us your experience as you did in this one.

Councilman **Glanton** went over all of the old business and read the correspondence from Chicago Chairman **Fredendall** and Sec'ty-Treasurer **Golder**. Proceedings of the nation convention were read and proposed amendments to the constitution were voted upon. The Omaha Section ratified the nomination and election of President **A. T. Powley**. We feel that the election of Mr. Powley was a good move and are back of him one hundred per cent.

One of the high points of the meeting was the rendering of a definite decision concerning station KODY at North Platte, Nebraska. It was agreed and decided that the three operators there not NABET members should come into the organization, pay regular fees and receive scale pay. One of the members to receive pay retroactive to the date of his hiring.

When the applications of these and that of **Waldon Seih** have been completed, it will bring the Omaha section up to a membership of thirteen full members and four inactive members. Other inactive members besides **Paul Mc-**

Donald are: **B. L. Dunbar** (navy) **E. R. Anderson**, Lincoln, Nebraska, and **Richard E. Peck** (U. S. Army). **Glenn Flynn** acted as recording secretary.

The meeting concluded at approximately 11:00 P.M. A picture of the gang was taken during a lull in the proceedings and thinking that perhaps some of the membership might want to know what the Omaha boys look like, here it is: See photo.

Tuesday, November 7, 1944. A date that will long be remembered by everyone. According to political scientists and commentators trained in analyzing public opinion, the greatest election and vote in history was held on that date. Talks by both parties were made night after night for several weeks before election. Good and bad things were said by both sides. Public opinion shifted back and forth. Men and women fought with their conscience, trying to determine which was the best way to vote. Many thought they had decided the issue until they were alone in the voting booth. Then they voted the opposite. The problem seemed to solve itself right there.

It was exciting and one of the biggest shows of our time. President Roosevelt was elected for the fourth time. History was made.

For over 150 years, Americans have been doing this and our country has prospered like no other—proof that Mr. Average Citizen is right when all is said and done.

Radio station WOW had a great part in presenting this gigantic spectacle to its listening audience. Nothing was taken for granted and nothing was left undone in presenting the returns to the public. Lines were run into the Cornhusker Hotel in Lincoln, Nebraska, the state Capitol, to pick up the returns of the state officers and to give the picture of the outstate county vote. Engineer **Glenn Flynn** (SE) and Program director **Lyle De Moss** handled the details at that end. The control room set up a special monitor circuit so that Lincoln could be switched in at any time something important came through. Another circuit was run into the Court House and Chief Engineer **Kotera** and **John Leslie**

Left: WOW Chief Engineer W. J. Kotera. Right: (front row left to right) Ass't Chief Joe Herold; Transmitter Sup'r Roy Glanton; Glenn Flynn (SE); Bob Rudd (TE). Back row, left to right: Al Maller (SE); Louis De Boer (SE); Cy Hagrman (TE); Mark McGowan (TE); and Paul McDonald, inactive member.

Photo by Mark McGowan



(Chief Announcer) were stationed there to pick up the municipal vote for city officers. Men were stationed throughout Iowa and Nebraska to call in votes as they were tallied at the various polling places.

The entire WOW staff worked most of the night to bring one of the best election return setups WOW has ever had. Engineer Louis De Boer (SE) and Asst. Chief Engineer Joe Herold handled the control room setup. Al Maller (SE) came in to relieve Louis at 1:00 A.M. and worked the control room trick until sign off at 3:00 A.M.

In addition to circuits at Lincoln, Nebraska, and the Court House, there were circuits to the program department offices where the tallies were calculated on adding machines, and to the news room where flashes of local and national interest were given at opportune times. Cy Hagman worked the shift at the transmitter holding down his shift as well as working on into the early hours of the morning until the 3:00 A.M. sign off period.

John Gillin Jr., President of WOW, Inc., sent a letter of appreciation to the staff for doing such a fine job. His letter in part said——“Everywhere this morning and this afternoon compliments came our way for the manner in which we handled the local and state returns, NBC's smooth up-to-the-minute reports on the national picture were also given high praise”——“I as one of you wish to compliment each of you on the part you took in the election work, and I also wish to thank you sincerely.”

A swell letter from Ray Olson now with NBC in Chicago. Ray is having trouble finding a home so that he can move his family there. You might try nailing two piano boxes together Ray—if you can get piano boxes these days. Hang the kids up on coat hangers and that will leave plenty of room for you and Ruthy.

The boys at the WOW transmitter feel that perhaps they have one of the most unusual flashing Neon signs in the country.

A month or so ago Roy Glanton and Cy Hagman got the idea of making the lightning, that flashes off and on on the WOW sign, do something more than just flash. Roy examined the flashing mechanism and found that a small fibre disc was used to open and close the contacts that flashed the sign.

EUREKA—an idea was born. Why not make the lightning flash spell out W-O-W? Well, why not?

Cy got busy with a sharp knife and a file and soon had a disc cut out that caused the flashing contacts to open — — — — . Some stuff, eh? The Neon follows the contacts nicely and its easily readable for some distance.

It is supposed that if one had a big enough disc that any radio station might make their flashing signs spell out any call letter. How about it?

An incident that received nationwide publicity, seems to be worthy of mention at this time because radio station WOW played the leading role in it.

When Wendell Willkie came to Omaha to give a talk in behalf of his candidacy for the Presidency, no one thought it would turn out the way it did. Through some leak or slip of the tongue, word got to the WOW news department that Mr. Willkie had revised his speech and was going to make a withdrawal speech and concede to Mr. Dewey.

This astounding piece of news was received about three



Lt. (jg) Dunbar aboard Navy cutter. Note the Abbott TR-4 and the end-fed antenna with counterpoise.

hours prior to Mr. Willkie's talk. There were no broadcast lines into the Auditorium where the talk was to be made and the portable recorder to be used for such events, was being used at KODY.

Ray Clark, special events director, had bitten his nails down almost to the elbow when he learned through Thomson Holtz (Anncr.) that Al Maller (SE) had a home recorder. Al was on duty in the control room at the time so he and Ray got together and decided that if someone could relieve Al it would be possible to get the recorder to the scene before the speech was finished.

This took time and there was less than an hour left when relief was arranged and Al was able to go home for his equipment. Al and Ray rushed to the Auditorium and set up the recorder backstage and placed the "mike" at the speakers' rostrum. Tempus had Figit. Mr. Willkie had started to talk and speed was necessary if anything of importance was to be recorded. Al had the recorder set up for 78 RPM and after leveling it up, checking groove depth, etc., he set the cutter down and started recording. It was only a matter of minutes after Al got going that the now famous words came through.

After it was over, Al and Ray rushed back to the studio in time to put it on the 10:00 P.M. news cast. It created quite a stir in this area but to Al and Ray, it was all a part of the day's work.

After Mr. Willkie's untimely death, the recordings were sent to the national archives in Washington, D. C., to be preserved for posterity.

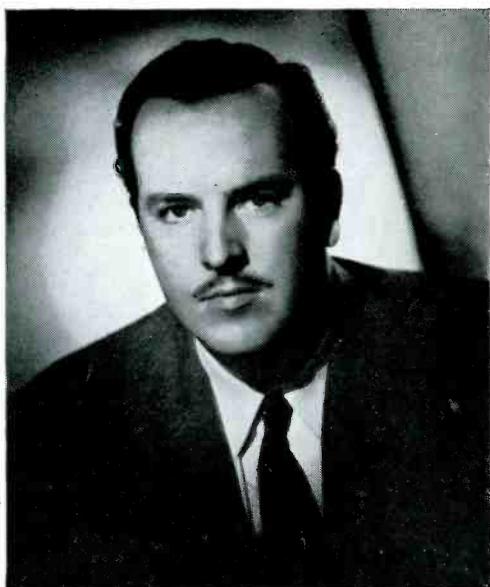
Asst. Chief Joe Herold accompanied by wife Lee, managed to get in a little pheasant hunting before the season closed Dec. 31. His first day netted him twelve pheasants. A farmer friend cooked two of the birds for Joe and Lee and they dined royally. His second day netted him ten more. This made him the possession limit of twenty. "Hunting was wonderful," said Joe.

He tells an interesting story of two birds with one shot (not stone). Some hunting stories are much like the well known fish stories—just stories. This one is true and Joe has Lee to prove it.

He had scared up three pheasant cocks and they had flown over into a sunflower patch and lit down in some weeds—just to make it more difficult. As he approached, he saw something move in the cover and fired into it. One

(Continued on Page One Hundred Seventy-four).

Season's Greetings



Lee Sweetland



Sally Sweetland

PAUL CARSON
ORGAN

Currently

ONE MAN'S FAMILY — CBS
I LOVE A MYSTERY — CBS
BRIDGE TO DREAMLAND — BLUE
ROMANCE OF THE HIGHWAYS — MBS
RECORDING FOR STANDARD RADIO, INC.

Holiday Greetings

from

HANK RUSSELL

Season's Greetings
to the
Engineers

RUBY LLOYD

Blue Network Staff Organist
Hollywood

The Same to You . . .

HENRY ORBACH

Manager of News and Special Features Western Division
BLUE NETWORK

Thank you, boys, for
making it sound so big
when you had so little
to work on.

BOB BURNS

OMAHA

(Continued from Page
One Hundred Seventy-one)

pheasant soared up and away and Joe thought all was lost until he looked into the patch of cover. There to his amazement were TWO pheasant cocks, dead as doornails. Before he would even touch them he called Lee to gaze upon this unusual scene. Ah, me, why doesn't that ever happen to us. Well, all we can say is—BOY OH BOY.

Glenn Flynn attended the National Electronics conference in Chicago. He wired ahead for hotel reservations but when he got there he found that he was out in the cold—maybe it was warm. I don't remember. He wandered around and finally got a room in some hotel near the convention headquarters. There is just a little more to the story. He had to share the room with another fellow. The fellow turned out to be Paul McDonald from Omaha and Ex-WOW Engineer and an inactive member of NABET. Glenn and Paul enjoyed their brief stay in Chicago and took in Television station WBKB between conferences.

Louis De Boer (Recent addition to NABET) and Al Maller are experimenting with ultra high frequency transmitters and receivers in the interest of WERS. Louis' present problem is to get the Ultraaudion circuit to function. Both boys report that they have had intermittent contacts during the operating period and get a kick out of it.

Fred Frye (new to WOW) is gloating over a 117GT tube that he owns. It's prewar and in good condition. He has several circuits that he wants to build around it but can't make up his mind which one he wants to use. Fred had better hide that tube because there are several WOW members that have been trying to get a 117GT tube for months.

If Cy Hagrman don't be careful he is liable to be demoted to the announcing dept. One morning last month, the regular announcer was late. Cy took over the "mike," signed the station on and proceeded to run the program including Ets and misc. announcements until the announcer arrived. He sounded darned good too. Better be careful Cy or you will end up a "mike" man—a fate worse than death.

Joe Herold returned from New York, Oct. 28, after a month's instruction in the NBC television short course. He is enthusiastic about the future of television and is looking forward to the day when he can put his training to work. Joe presented to the WOW engineering crew a vivid picture of television and some of its idiosyncrasies. Joe feels that the basic principles of television are well established and that it will progress to a degree beyond all imagination.

While on the subject of television, Mr. McQuay comes to mind. His articles that have appeared regularly in the Journal on various phases of the electronic art, have been well written and highly informative. They are easy to understand and presented in a clearcut manner. It occurs to us that an article by Mr. McQuay on the "single carrier for both the Audio and video signal" would be well received. An explanation of this system would clear up many questions that now exist in the minds of most of us untrained in television. Thanks to Mr. McQuay for past articles and keep them coming.

Louis De Boer finally broke under the pressure and "popped" for steaks for the gang. He became the tenth member of the "Dead-Beat" club and was presented with a certificate of membership. Everyone was in fine fettle. Cy Hagrman and Chief Eng. Kotera rendered several popular ditties. The gang bore this groaning as long as they could and then conceived the idea that perhaps a little grated cheese (Oxydol, we call it) under Hagrman's nose

might stop both of them. It did for a while and then it started again. A spoonful of salt, pepper and grated cheese was mixed up. Tom Dailey (WOW sports Anncr.) called off the range and Joe Herold fired the shot that stopped the whole biz. Cy retreated to a neutral corner and Chief Kotera managed to keep his proboscis away far enough that a sneezing bout was avoided. When the steaks were brought in every one was served except Cy. He was brought a saucer on which a piece of old smelly cheese and one french fried potatoe was rampant. This was De Boer's revenge. Sounds like a book title, don't it? Cy had been putting the heat on Louis to "pop" for so long that Louis decided this was a good way to get even. After cowing Cy down to proper size, his steak was brought in. Cy says the responsibility of being chief heater is getting to be too much for him. During the dinner another victim, I mean member, was discussed. McGowan was considered to be the next brother to "pop" but Mac said he couldn't bear to see some one else loose out on their turn so he was passed by. Some one got the bright idea that a very distinguished member should be added to the club so our Boss and friend, John J. Gillin, Jr., was discussed as the next victim. If this column ceases to exist suddenly you will know that this reporter was banished to new fields, never to return. Sometimes the title of Chief Dead-Beat has its drawbacks too.

The boys here at WOW got such a kick out of this poem composed by Cy Hagrman that it was felt it should be published. It's a good idea and a swell way to end this column. Hope Cy will write one every month as good as this one.

A TYPICAL DAY AT WOW

or

A CONTROL OP'S DILEMMA

By Cy Hagrman

DeMoss was recording SUPREME SERENADE,
And Leslie was yelling, "LET'S PULL A FADE";
Clark was making a FORUM from "C,"
And Burke says, "FEED THAT AUDITION TO ME".

Al calls from remote and says, "HOW'S MY PEAKS?"
When all you can hear is a series of SQUEAKS
From the net Joe records EVERYTHING FOR THE BOYS,
And Louie dubs SOUND EFFECTS to add to your joys.

Chase says he burned out his last pilot lamp,
While SUPER SUDS screeched from the cueing amp;
Then it's Leslie again, "WATCH OUT FOR THOSE
CUT INS,"
While Jackie is picking out MUSIC FOR SHUT INS.

NEIGHBOHOOD SONG SHOP was doing rehearsal,
While the 'phone Co. calls for a line REVERSAL;
A one second pause, Clark signals to CUT
The cueing amp screams, this time BUTTERNUT.

Glenn calls from U.P. and says, "HOW'S YOUR TIME?"
And that about ends this nonsensical RHYME;
Cause the 'phone from the transmitter rings off the wall,
And BOB says @ccc@//3/4 IT, I'M GETTING IT ALL.

With that it's time to quit. Just one more thing and that is: SEASON'S GREETINGS from ALL of us here at WOW as well as the rest of the stations in town, to all of you.

Season's Greetings

To our many Friends in the Radio Industry
from

MUSIC CITY and MAGNAVOX

We are proud to announce
our selection as

Hollywood's exclusive dealer
for the Post War

Magnavox
RADIO PHONOGRAPH



Hollywood Meets its Music
where
Sunset Meets Vine



AN "OVERLOAD" OF
HOLIDAY WISHES
CARLTON KADEX



Best Always
CONNIE HAINES

Abbott and Costello Show

To the Engineers — God Love 'em

BARBARA JO ALLEN

Bob Hope Show

Hy'a!

Mel Blanc

Season's Greetings

Johnny Presents

GINNY SIMMS

with

EDGAR (Cookie) FAIRCHILD

THE PHILIP MORRIS SONGSTERS

FRANK GRAHAM

Me Too — JOHNNY — Philip Morris

LOCKS and KEYS

By Bert Pruitt

ALL isn't duck soup and roses to the fellow who carries field equipment to keep the wolf from the door. Stadiums have a habit of towering skyward and it seems that all designing architects love nothing better than to defy the axiom which says the shortest distance between two points is a straight line. You will have less faith in such an axiom after you arrive at a stadium broadcast booth puffing louder than an up-grade milk train. Things like that, however, happen so often one doesn't find it necessary to pay the family doctor \$5.00 for high blood-pressure diagnosis. But there are other ways of increasing the speed on your red corpuscles. Engineers Cecil Bidlack, Frank Whittam and George Molner will swear to that.

Their story goes something like this. Ohio State University was an undefeated team. By defeating the strong eleven from the Wolverine State, O.S.U. would win the Big Ten Championship. They'd likewise be one of the nation's select undefeated teams. Well, they won, all right, but that isn't what gave the above mentioned engineers high blood pressure. The game ended 18 to 14 in favor of Ohio State and the crack of the gun sounded at approximately 4:30 P. M. The boys expected to be on the way to Cleveland not later than 5:30 P. M. They weren't though.

After walking five miles they stacked their equipment near our Mobile Unit which was parked not more than 192 feet below the broadcast booths. They then asked each other who had the Unit keys. "Not me!" says Whittam, looking at Bidlack . . . "I gave them to announcer Bill Mayer and told him to give them to you!"

"He didn't give them to me," says Bidlack, shifting his gaze until it pointed straight at George's face.

"I've been down on the field all day," explained George, "haven't seen him since we left Cleveland yesterday."

"Why that——," says Whittam . . . "wait'll I see him . . . I'll wring his neck like a farmer twisting a banty rooster by the . . ."

"What time's their train leave? . . . It's five five now," added George, looking at his watch.

"They leave at 5:20," yelled Whittam, leaving a cloud of dust as he headed for WCOL's Mobile Unit which was beginning to roll.

Well, Whittam catches up with WCOL's Pride and Joy and jumps on the running board, shouting, "The railroad Station! Get me there . . . it leaves at 5:20."

Were you ever at a football game? Then it isn't necessary for us to tell you what the men from WCOL thought. Empty bottles lying to the right and left of the stadium driveway were enough to convince WCOL's experts that they were dealing with a football spectator who appreciates his touchdowns with a nip now and then to keep out the frost.

"Off you go," says WCOL's announcer trying to dislodge Whittam from the running board. Did you ever see Whittam? Well, he weighs in the neighborhood of 220 pounds and he wouldn't dislodge. He hung on WCOL's Unit like an NBC engineer hanging to a Commercial that is said to pay dividends to others than the stockholders.

"I'm from WTAM," pleaded Whittam, getting his

second wind. "Our announcer has the keys to our Mobile Unit . . . his train leaves at 5:20 . . . The railroad station . . ."

WCOL's Unit shot forward and the football fans scattered like a flock of chickens when a bulldog dashes for a first down. They were at the station at 5:15. Whittam shot down the ramps, jumped on the train and the gate-tender scratched his head wondering if he had or had not imagined he had heard something whizz past. Whittam was going through the diner when the train began to move.

Now let's see what is happening to Molner and Bidlack. They remained near WTAM's Unit with the Equipment. Hours went by and they began to wonder if Whittam had decided to ride the train back to Cleveland with Bill Mayer. At 8 P. M. Bidlack said he was going out for a locksmith. All the stadium lights had been turned out in the meantime. Molner felt kind of lonesome after Bidlack disappeared like a ghost into the darkness of the drafty stadium.

Bidlack had been gone about an hour when Molner saw the headlights of a car approaching. The car came toward George and stopped alongside WTAM's Mobile Unit. George heard some fancy swearing and recognized Whittam's voice. Molner could now read a sign on the car. It said: "Locksmith". The sign made Molner feel a shade warmer.

"Where you been all this time?" asked Molner. Whittam let out a roar. "Where haven't, I been? I got on the train and I'm on the diner when the train begins to roll. I found Tom Manning and his wife having dinner with Mrs. Mayer. They're eating steak and they tell me that Bill thought of the keys and jumped off the train just before I ran in. The train is going like hell and I can't get off, so I ride it to Galion!"

"Galion?" questions Molner, "why that's 50 miles north of here!"

"You're telling me," says Whittam, "wait'll I give this taxi bill to Bill Mayer. . . . Say, where's Bidlack?"

"He's trying to find a locksmith."

"This fellow's a locksmith . . . what'll we do with two of them?"

Did you ever watch a locksmith work? If so, you are in no mood to hear a detailed explanation of what happened. Suffice it to say that WHAM's Mobile Unit backfired then began to hum at 11 P.M. Whittam and Molner smiled when they headed for the stadium exit. The locksmith, five bucks richer, followed in his car. Two loud moans escaped from WTAM's Unit as it came to a stop. The stadium gate was locked!

Whittam and Molner were ready to die except for the fact that they were starving and you have yet to meet an engineer who wants to die hungry. They piled from the car and whom do you think they saw on the other side of the gate? Bidlack and a locksmith who was locked out!

"What'll we do now?" says Whittam to the locksmith who is locked in.

"Can't make a key for that lock. . . . Too complicated. . . . I'll saw off the lock if you'll pay for it."

(Continued on Page One Hundred Eighty)

oo

Season's Greetings

JIMMY NOLAN

and

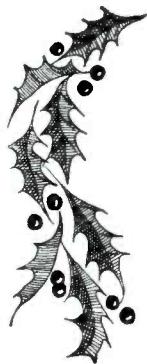
MANNY STRAND

EARL CARROLL THEATRE

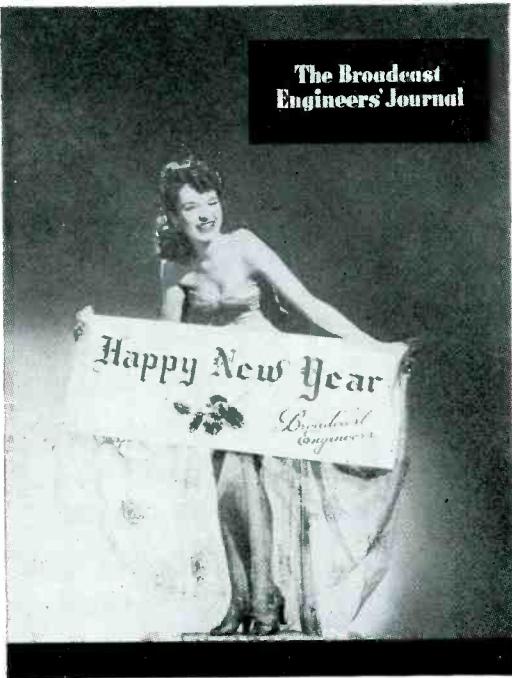
“Tom Breneman Highlights”

BLUE NETWORK

Hello!



JERRY COLONNA



Our Cover Girl

OUR Cover Girl, JEAN TIGHE, WJZ's vivacious singing sensation, is one of those rarities—a native New Yorker, who left the big city to make good. Her success stems from the masterpiece of breath control, which enables her to sustain a note for twenty-six bars. Few of the leading singers, past and present, have been successful in such an accomplishment. Yet, 23-year old Jean Tighe did the almost impossible. With that achievement, she began a singing career which may make her one of the most popular contraltos of our time.

But first, let's consider this amazing young lady. A Private first class in the Civil Air Patrol, she's probably the only radio star who is a student pilot. At the age of 8, she began a dramatic career in the theatre. Ten years later she teed off on her singing career.

Born in Brooklyn of a family of non-professionals, her father is Robert F. Tighe, former Deputy Tax Commissioner. About the time the family moved to Manhattan, Jean became interested in music and dancing. As a talented young miss of 8, she won a Walter Hampden scholarship. Within six months, she was bringing home the bacon to the tune of \$25 a week, playing the Hecksher Theatre, cast in the role of an 86-year old woman.

Jean can spend hours telling yarns of her vaudeville tours which began at the age of 12. Then, the banjo, guitar and piano were her specialties. Later, she was starred at swank night clubs and leading theatres in her own dancing and musical act. By every indication, she should have been content, but she believed that her future was linked with singing. Thus, at a high water mark of one career she switched to another—and made good.

At 18, Jean was playing the Chez Paree in Chicago when she decided to make the switch. She was tops on the bill as a musician and dancer, but could convince nobody that she was an able singer. Was our Cover Girl miffed? Far from it! Packing bag and baggage, she stunned

her friends by embarking for Hollywood as a singer, with the parting shot that she would see them in New York when she made good.

In Flicker Town, she beat at producers' doors, asking for a singing chance until her knuckles, as well as her voice, were blue. Finally, she hit upon an idea. She had a lot of staying power in her singing and could increase her endurance, if necessary. She went into training as intently as a professional athlete.

Then came her day. Jean crashed the offices of Fanchon and Marco and asked for a hearing. Marco emerged nonchalantly and listened. All of a sudden she let loose with a sustaining note that carried from double pianissimo to double forte. Marco bobbed up as if he discovered radar. Immediately, she went into the Hollywood Paramount for one week and stayed four. On three different occasions during that year she graced the footlights of Hollywood's Paramount. Audiences applauded madly as she got to the end of the note she was sustaining. Many felt she wouldn't make it. Jean admits that often she felt the same way.

Hollywood held the singing star for four years. There was the lead in three of the revues at Earl Carroll's Hollywood Theatre, besides her own radio show via the BLUE Network on the West Coast. Last season, she returned to Broadway to assume the singing lead in the musical, "Marching With Johnny," and to debut via the Eastern ether waves as a singer.

Currently JEAN TIGHE sings over WJZ twice weekly and she's always popping up as a guest star over one of the networks. Her program produces strange reactions in her multitude of listeners. Elderly ladies say her voice is sweet, but the average man will tell you she's torchy. A lumberman in Saskatchewan listened to her warbling sweet chords and forthwith proposed marriage. He said that he chops 100 cords of wood each winter, which should be enough to keep the home fires burning.

Standing five feet six, tipping the scales at 123, and with gorgeous dark brown hair, our Cover Girl sports ability, beauty, charm, modesty and personality in one lovely figure. One of the favorites among WJZ-BLUE engineers, musicians, and other personnel alike, Jean Tighe is blessed with the spontaneity and freshness which batters down all barriers and makes her nation-wide popularity. Winking one of her dark brown eyes, Jean says "Happy New Year—Broadcast Engineers".

LOCKS & KEYS

(Continued from Page
One Hundred Seventy-seven)

"We'll stay here!" Whittam clenched his right fist.

Twenty minutes later Molner exclaimed; "Look! Someone's coming with a flashlight!" Sure enough there was. He turned out to be the watchman. This fellow has gone downtown for dinner and a show after the game. And not until he stood on his front porch at midnight did he realize he had left the keys to his home in an office at the stadium.

They all got out of the stadium, then someone thought of Bill Mayer. Whittam remembered that Tom Manning had said he jumped from the train after it got going. Molner, Whittam and Bidlack drove downtown to the railroad station and did some sleuthing. They finally found Bill in the Night Manager's office trying to explain why he had been caught prowling around the yards after dark!

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Thanks to you all and

Season's Greetings

from

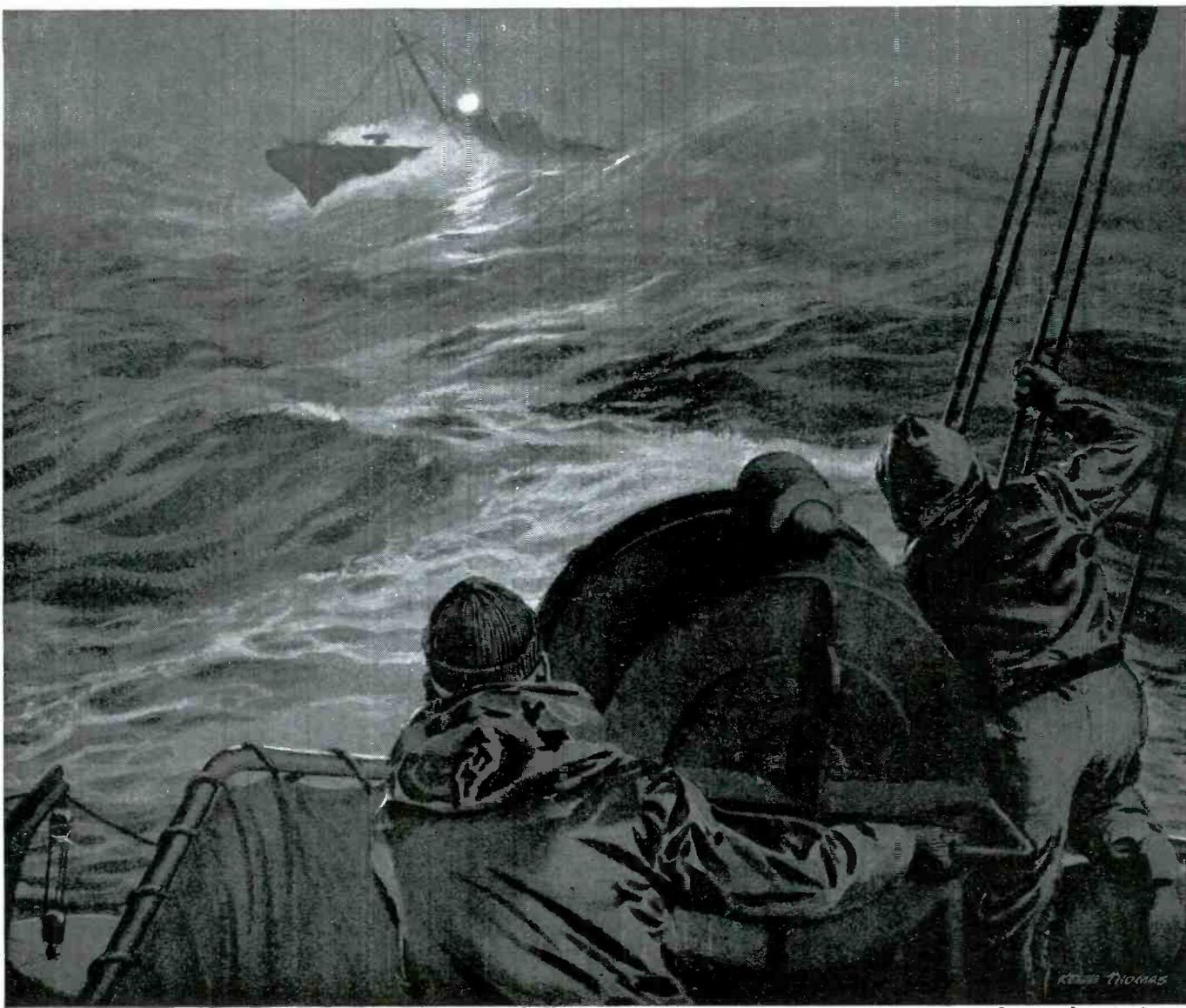
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- It is with a great deal of personal pleasure that we present this 1945 Yearbook — the finest in this Journal's whole career.
- To our many friends across the country, Season's Greetings, and may the New Year give us the opportunity to meet you all once again.
- With cordial good wishes for the future

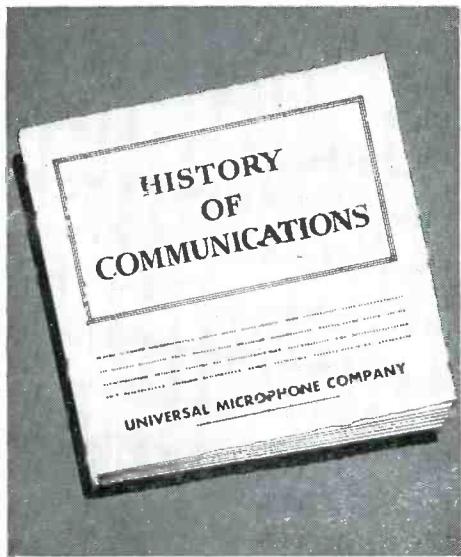
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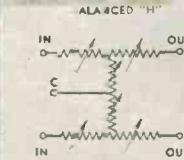
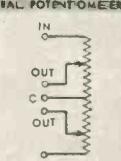
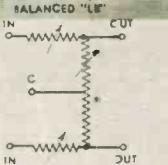
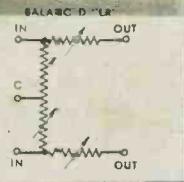
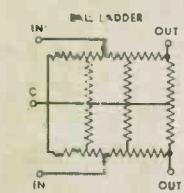


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