

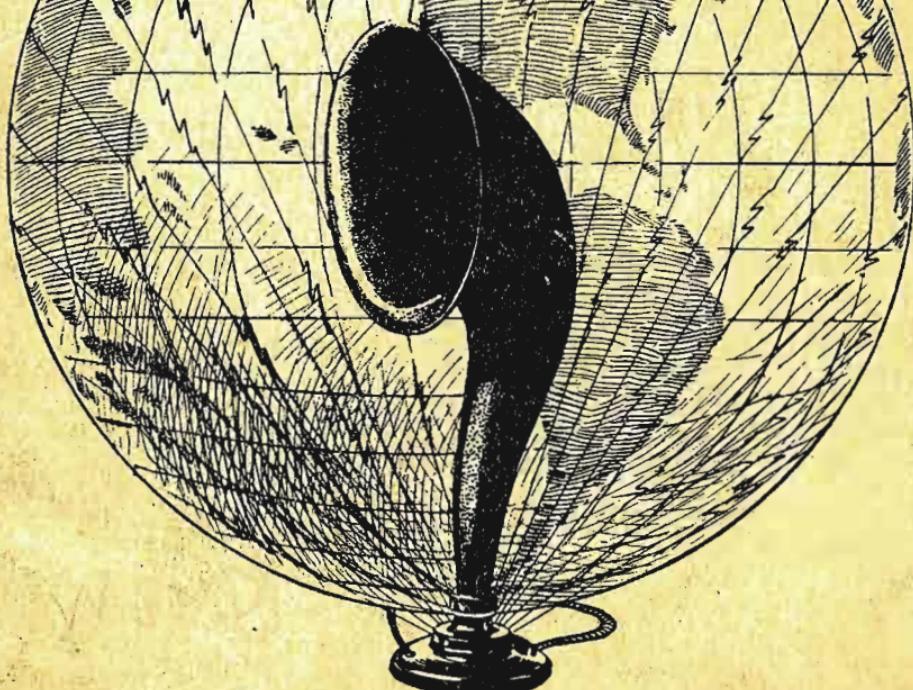
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Stevenson's

BULLETIN

*MS. R. 1. f.*  
**RADIO BROADCASTING  
STATIONS**



**FEBRUARY, 1925**

This issue contains a revised, up-to-date list of all broadcasting stations in the world.

Published Monthly by Stevenson Radio Syndicate, Washington, D. C.

# STEVENSON'S BULLETIN OF RADIO BROADCASTING STATIONS

Published monthly by

STEVENSON RADIO SYNDICATE

710 14th Street N. W.

Washington, D. C.

THOMAS STEVENSON, Editor

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Volume 1

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STEVENSON'S BULLETIN OF RADIO BROADCASTING STATIONS.  
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Small wonder that radio has become so popular when one is able to sit in the privacy of the home and turn to all corners of the globe for education, inspiration or amusement, as the fancy dictates.

After listening to a good concert there is nothing more thrilling than fishing for new voices. But, half the thrill depends on the ability to identify the station tuned in.

There are more than one hundred changes in the listings of broadcasting stations each month. New stations are constantly coming in, old stations dropping out, and the wave lengths or power of others changed.

To keep apace with the changes it is necessary to have a new list of broadcasting stations each month. Each monthly issue of STEVENSON'S BULLETIN OF RADIO BROADCASTING STATIONS will contain a revised, up-to-date list of all broadcasting stations in the world.

Be sure to get your copy on the news stands the 5th of each month. Or send us \$1.00 for a yearly subscription and have the BULLETIN sent directly to your home.

**STEVENSON RADIO SYNDICATE**

**710 14th Street, N. W.**

**Washington, D. C.**

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710 14th Street, N. W.

Washington, D. C.

## RADIO AND THE PUBLIC.

BY HERBERT HOOVER

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The greatest development in broadcasting during the past year has not been in the application of new methods of transmission or reception, important as improvements in these lines have been. It is rather in the change in public attitude. Listeners are becoming more and more appreciative of the real service of radio and increasingly critical both as to the character of the matter furnished them and as to the efficiency with which it reaches them.

The whole broadcasting structure is built up on service to the listeners. They are beginning to realize their importance, to assert their interest and to voice their wishes. Broadcasting must be conducted to meet their demands and this necessarily means higher character in what is transmitted and better quality in its reproduction to the ears of the listener.

The broadcasters as a whole are alive to the situation. There is a growing realization on their part of the public responsibilities they assume in conducting an agency so greatly affecting the cultural progress of our people. The innovations of which we hear so much—national programs, wire interconnection, short wave rebroadcasting, increased power, and wired radio, which are already playing so important a part and are destined to have still greater influence for good—are based entirely upon the necessity for meeting the growing popular requirement of better service.

The demand will continue to increase, and new methods of efficiency will continue to be found to meet it. But beyond all, radio has begun to enrich American life by a real contribution to the home. It yet has far greater service to perform in this way and I believe the next year will see great and more definite advance in this direction.

## DO THE PROGRAMS PLEASE YOU?

BY THOMAS STEVENSON

---

Why not write the broadcasting station director and let him know what you think of his program?

If you experienced poor telephone service how long would you wait before making a vigorous complaint about it? Probably not very long.

The service rendered by radio broadcasting stations is as important to the home as the telephone. In the future it will exercise great influence in shaping public opinion. While creating public opinion, radio broadcasting will in turn be the slave of its own creation.

It is the desire of every radio broadcasting station to please its unseen audience. For this reason earnest solicitations are made for expressions of opinions regarding the program put on the air.

It is the business of the broadcasting station to please its audience since its only asset is the good will of the public. Else the station is valueless. In most cases the directors of stations are men trained to interpret the wishes of the public and to follow them in arranging programs.

It is important that each member of the radio audience express his or her opinion directly to the station director regarding the quality of his program.

If the station director knows what sort of program you like and the kind you dislike he will have something definite to work with. If a large percentage of the radio audience wrote the station director regarding the program, his task would be comparatively easy.

If the programs are distasteful to you, how can you expect an improvement unless you communicate your wishes to the station director?

Regardless of whether you like the programs or not, write the station director about them. If they are good tell him so, if they are poor tell him the kind you would like. You will be doing yourself and the station director a real service.

## HINTS FOR BEGINNERS.

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When noises are produced by the set it is best to make sure first that they do not originate in the receiver itself. A good test is to connect the antenna and ground terminals of the receiver with a piece of wire. This prevents any voltages from the antenna from actuating the receiver and if the noises are still heard it is absolutely certain they are caused within the receiver. If the noises are not caused within the set, perfect silence in the loud speaker or headphone will result from the connection.

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Make a log of the stations you hear and want to pick up again. Just write down the settings of the dials for future reference.

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Never allow your regenerative receiver to whistle while you are tuning. To do so will spoil your neighbors' reception.

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If you wear the headphones for long periods of time, it is often a good plan to remove the caps and wipe off the moisture that has collected on the metal diaphragm. This avoids the possibility of rust formation. Be very careful while doing so that you do not bend the thin, little disk. Telephone receivers often develop troubles of their own. If signals cannot be heard on one set of headphones, it may be possible that the metal diaphragm is resting on the pole pieces of the magnet. It may also be that the tip of the phone cord has become loosened from the inside of the receiver case. Unscrew the molded cap from the receiver case. Carefully slide off the diaphragm by two fingers placed on top of the disk and drawn towards the edge of the case. Lay the diaphragm down on a flat surface and if not bent, it will lay perfectly flat.

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Turn your tuning dials slowly when trying to pick up distant stations. If you rotate them too fast, you may pass directly over the signals without hearing them.

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Try to find out what action takes place when you tune. Then, when you find out what each dial does, you will be able to tune more quickly and pick up signals more clearly and more loudly.

## BROADCASTING STATION REGULATIONS.

There are three classes of Radio Broadcasting stations —A, B and C.

CLASS A stations have wave lengths between 200 and 278 meters, inclusive, and may not use more than 500 watts in the antenna.

CLASS B stations have wave lengths between 280 and 545 meters, inclusive. Regulations governing this class of stations are very strict. They are prohibited from using mechanically operated musical instruments, their programs must be carefully supervised and maintained to insure satisfactory service to the public, the minimum power they may use is 500 watts, their modulation must be as near perfect as possible, and they must be free from harmonics. Class B stations in this Bulletin are designated by capital letters.

CLASS C stations are all on the 360 meters wave length. This class of stations will soon be abolished, in accordance with the recommendations of the Third National Radio Conference. Stations in this group are now being transferred to classes A or B.

Every effort has been made to prevent errors in this list of stations, and it is believed it is absolutely accurate. However, if errors are detected, we should like to know of them.

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\*Signifies experimental.

## AMERICAN STATIONS

Station	Owner and Location	Wave Length Meters	Power Watts
KDKA	WESTINGHOUSE E. & M. CO., E. PITTSBURGH, PA -----	309	1,000
KDLR	Radio Elec. Co., Devils Lake, N. D.-----	231	5
KDPM	Westinghouse E. & M. Co., Cleveland, Ohio-----	250	500
KDPT	Southern Elec. Co., San Diego, Calif.-----	244	50
KDYL	Newhouse Hotel, Salt Lake City, Utah.-----	250	50
KDYM	Savoy Theatre, San Diego, Calif.-----	280	100
KDYQ	Oregon Institute of Tech., Portland, Ore.-----	360	10
KDZB	F. E. Siefert, Bakersfield, Calif.-----	240	100
KDZE	Rhodes Company, Seattle, Wash.-----	270	100
KFAD	McArthur Bros. Merc. Co., Phoenix, Ariz.-----	360	100
KFAE	STATE COLLEGE, PULLMAN, WASH.-----	330	500
KFAF	Western Radio Corp., Denver, Colo.-----	278	500
KFAJ	University of Colorado, Boulder, Colo.-----	261	100
KFAR	Studio Lighting Co., Hollywood, Calif.-----	227	100
KFAU	Boise High School, Boise, Idaho-----	275	500
KFAW	Radio Den, Santa Ana, Calif.-----	280	10
KFBB	F. A. Buttrey Co., Havre, Mont.-----	275	50
KFBC	W. K. Azbill, San Diego, Calif.-----	278	20
KFBG	1st Presbyterian Church, Tacoma, Wash.-----	250	50
KFBK	Kimball Upson Co., Sacramento, Calif.-----	283	100
KFBL	Leese Bros., Everett, Wash.-----	224	10
KFBU	Bishop N. S. Thomas, Laramie, Wyo.-----	270	50
KFCB	Nielson Radio Co., Phoenix, Ariz.-----	238	10
KFCC	1st Congregational Church, Helena, Mont.-----	248	10
KFCF	F. A. Moore, Walla Walla, Wash.-----	256	100
KFCL	L. E. Rice, Los Angeles, Calif.-----	236	500
KFCP	R. W. Flygare, Ogden, Utah-----	360	25
KFCY	Western Union College, Lemars, Iowa-----	252	50
KFCZ	Central High School, Omaha, Neb.-----	258	100
KFDD	St. Michaels Cathedral, Boise, Idaho-----	275	10
KFDH	University of Arizona, Tucson, Ariz.-----	268	50
KFDJ	Oregon Agricultural College, Corvallis, Ore.-----	254	50
KFDL	Knight Campbell Co., Denver, Colo.-----	226	5

Station	Owner and Location	Meters	Watts
KFDM	MAGNOLIA PETROLEUM CO., BEAUMONT, TEXAS -----	316	500
KFDX	1st Baptist Church, Shreveport, La.-----	250	100
KFDY	State College of Agriculture, Brookings, S. D. -----	273	100
KFDZ	H. O. Iverson, Minneapolis, Minn.-----	231	5
KFEC	Meier & Frank Co., Portland, Ore.-----	248	50
KFEL	Winner Radio Corp., Denver, Colo.-----	254	50
KFEQ	J. L. Scroggin, Oak, Neb.-----	268	100
KFER	Auto Elec. Service Co., Ft. Dodge, Ia.-----	231	10
KFEX	Augsbury Seminary, Minneapolis, Minn.-----	261	100
KFEY	Bunker Hill & Sullivan, Kellog, Idaho-----	360	10
KFFP	1st Baptist Church, Moberly, Mo.-----	266	50
KFFR	State Journal, Sparks, Nevada-----	226	10
KFFV	Graceland College, Lamoni, Iowa-----	250	100
KFFY	Louisiana College, Alexandria, La.-----	275	50
KFGC	Louisiana State University, Baton Rouge, La. -----	268	100
KFGD	College for Women, Chickasha, Okla.-----	252	200
KFGH	Leland Stanford Junior University, Stan- ford University, Calif.-----	273	500
KFGQ	Crary Co., Boone, Iowa-----	226	10
KFGX	1st Presbyterian Church, Orange, Texas-----	250	500
KFHA	Western State College, Gunnison, Colo.-----	252	50
KFHJ	Fallon and Co., Santa Barbara, Calif.-----	360	100
KFHL	Penn College, Oskaloosa, Iowa-----	240	10
KFHR	Star Elec. and Radio Co., Seattle, Wash.-----	263	100
KFIF	Benson Institute, Portland, Oregon-----	248	100
KFIO	North Central High School, Spokane, Wash.-----	265	50
KFIQ	1st Methodist Church, Yakima, Wash.-----	278	50
KFIU	Alaska Elec. Co., Juneau, Alaska-----	226	10
KFIX	Church of Latter Day Saints, Independ- ence, Mo.-----	268	250
KFIZ	Daily Commonwealth, Fond du Lac, Wisc.-----	273	100
KFJB	Marshall Elec. Co., Marshalltown, Ia.-----	248	10
KFJF	National Radio Co., Oklahoma City, Okla.-----	261	225
KFJI	Liberty Theatre, Astoria, Oregon-----	252	10
KFJM	University of N. D., Grand Forks, N. D.-----	278	100
KFJR	Dixon & Son, Stevensville, Mont.-----	263	50
KFJX	State Teachers College, Cedar Falls, Ia.-----	258	50
KFJY	Tunwall Radio Co., Ft. Dodge, Iowa-----	246	50

Station	Owner and Location	Meters	Watts
KFJZ	Texas National Guard, 112th Calvary, Ft. Worth, Texas-----	254	20
KFKA	State Teachers College, Greeley, Colo.-----	273	50
KFKB	Brinkley Jones Hospital Ass'n, Milford, Kans. -----	273	500
KFKQ	Conway Radio Laboratory, Conway, Ark.-----	250	100
KFKU	University of Kansas, Lawrence, Kans.-----	275	500
KFKV	F. F. Gray, Butte, Mont.-----	283	50
KFKX	WESTINGHOUSE E. & M. CO., HASTINGS, NEBR. -----	288	1,500
KFLA	A. R. Wilson, Butte, Mont.-----	258	5
KFLB	Signal Elec. Mfg. Co., Menominee, Mich.-----	248	50
KFLE	National Educational Service, Denver, Colo.-----	268	25
KFLR	University of N. M. Albuquerque, N. M.-----	254	100
KFLU	San Benito Radio Co., San Benito, Texas-----	236	20
KFLV	Swedish Evangelist Church, Rockford, Ill.-----	229	100
KFLX	George R. Clough, Galveston, Texas-----	240	10
KFLZ	Atlantic Auto Co., Atlantic, Iowa-----	273	100
KFMQ	University of Ark., Fayetteville, Ark.-----	275	500
KFMR	Morningside College, Sioux City, Ia.-----	261	10
KFMT	Dr. G. W. Young, Minneapolis, Minn.-----	263	100
KFMW	M. G. Sataren, Houghton, Mich.-----	266	50
KFMX	CARLETON COLLEGE, NORTHFIELD, MINN. -----	337	500
KFNF	Henry Field Seed Co., Shenandoah, Iowa-----	266	500
KFNG	Wooten Radio Shop, Coldwater, Miss.-----	254	10
KFNJ	Teachers College, Warrensburg, Mo.-----	234	50
KFNL	Radio Broadcast Ass'n., Paso Robles, Calif.-----	240	10
KFNV	L. A. Drake, Santa Rosa, Calif.-----	227	5
KFNY	V. Kemp Roberts, Helena, Mont.-----	248	50
KFNZ	Royal Radio Co., Burlingame, Calif.-----	231	10
KFOA	RHODES COMPANY, SEATTLE, WASH.-----	450	500
KFOC	1st Christian Church, Whittier, Calif.-----	236	100
KFOD	Radio Shop, Wallace, Idaho-----	224	10
KFOJ	Moberly High School, Moberly, Mo.-----	246	5
KFOL	L. M. Schafbuch, Marengo, Iowa-----	234	5
KFON	Echophone Radio Shop, Long Beach, Calif.-----	234	100
KFOO	Latter Day Saints University, Salt Lake City, Utah-----	261	10
KFOR	David City Tire & Elec. Co., David City, Neb. -----	226	10

Station	Owner and Location	Meters	Watts
KFOT	College Hill Radio Club, Wichita, Kas.	231	50
KFOU	Hommell Mfg. Co., Richmond, Calif.	254	100
KFOX	Technical High School, Omaha, Neb.	248	100
KFOY	Beacon Radio Service, St. Paul, Minn.	252	50
KFPB	E. J. Brown, Seattle, Wash.	224	15
KFPG	Garrison & Dennis, Los Angeles, Calif.	238	100
KFPH	H. C. Mailander Co., Salt Lake City, Utah	242	50
KFPL	C. C. Baxter, Dublin, Texas	252	20
KFPM	New Furniture Co., Greenville, Texas	242	10
KFPR	Forestry Department, Los Angeles, Calif.	231	500
KFPT	Cope & Johnson, Salt Lake City, Utah	261	500
KFPV	Heintz & Kohlmoos, San Francisco, Calif.	236	50
KFPW	Methodist Episcopal Church, Carterville, Mo.	268	20
KFPX	1st Presbyterian Church, Pine Bluff, Ark.	242	100
KFPY	Symonds Investment Co., Spokane, Wash.	266	100
KFQA	The Principia, St. Louis, Mo.	261	50
KFQB	Searchlight Publishing Co., Ft. Worth, Tex.	254	100
KFQC	Kidd Bros., Taft, Calif.	231	100
KFQD	Chovin Supply Co., Anchorage, Alaska	280	100
KFQE	Dickenson-Henry Radio Laboratories, Colorado Springs, Colo.	224	25
KFQG	Southern Calif. Radio Ass'n, Los Angeles, Calif.	229	50
KFQH	Albert Sherman, Burlingame, Calif.	231	50
KFQL	State Fair Ass'n, Muskogee, Okla.	252	20
KFQM	Texas Highway Bulletin, Austin, Tex.	268	100
KFQN	3rd Baptist Church, Portland, Ore.	283	5
KFQP	G. S. Carson, Jr., Iowa City, Ia.	224	10
KFQR	W. L. Ellis, Oklahoma City, Okla.	210	10
KFQT	National Guard, Denison, Tex.	252	10
KFQU	W. Riker, Holy City, Calif.	234	100
KFQW	F. C. Knierim, North Bend, Wash.	248	50
KFQX	A. M. Hubbard, Seattle, Wash.	233	250
KFQY	Farmers State Bank, Belden, Neb.	273	10
KFQZ	Taft Radio Co., Hollywood, Calif.	240	250
KFRB	Hall Bros., Beeville, Texas	248	250
KFRC	Radioart Studio, San Francisco, Calif.	270	50
KFRF	W. R. Brown, Alexandria, La.	242	10
KFRH	Radioart Studio, San Francisco, Calif.	270	50
KFRJ	Guy Simmons, Jr., Conway, Ark.	250	10

Station	Owner and Location	Meters	Watts
KFRL	Men's Club, Grand Forks, N. D.	240	10
KFRM	J. F. Boland, Ft. Sill, Okla.	263	50
KFRN	M. L. Short, Hanford, Calif.	224	5
KFRO	Curtis Print Co., Ft. Worth, Texas	246	50
KFRP	Trinity Church, Redlands, Calif.	211	10
KFRQ	Radio Service Co., Portland, Oregon	213	5
KFRR	Neb. Buick Auto Co., Lincoln, Neb.	240	200
KFRU	ETHERICAL STUDIO, BRISTOW, OKLA.	297	500
KFRW	United Churches, Olympia, Wash.	220	100
KFRX	J. G. Klemgard, Pullman, Wash.	217	10
KFRY	College of Agriculture, State College, N. M.	266	80
KFRZ	The Electric Shop, Hartington, Neb.	222	15
KFSG	Echo Park Evangelistic Ass'n, Los Angeles, Calif.	278	500
KFSY	The Van Blaricom Co., Helena, Mont.	248	10
KFUJ	Hoppert P. and H. Co., Breckenridge, Minn.	242	50
KFUL	T. Goggan & Bro., Galveston, Texas	258	10
KFUM	W. O. Corley, Colorado Springs, Colo.	242	100
KFUO	CONCORDIA THEO. SEMINARY, ST. LOUIS, MO.	545	500
KFUP	Fitzsimons General Hospital, Denver, Colo.	234	50
KFUQ	Julius Brunton & Sons Co., San Francisco, Calif.	234	5
KFUR	H. W. Peery and C. Redfield, Ogden, Utah	224	50
KFUS	Louis L. Sherman, Oakland, Calif.	233	50
KFUT	University of Utah, Salt Lake City, Utah	261	100
KFUU	Colburn Radio Laboratories, San Leandro, Calif.	224	100
KFUV	G. P. Ward, Springfield, Mo.	252	10
KFUW	E. W. Lewis, Moberly, Mo.	233	10
KPPC	Pasadena Presbyterian Church, Pasadena, Calif.	229	50
KSAC	KANSAS STATE AGRICULTURAL COL- LEGE, MANHATTAN, KANSAS	341	500
KTHS	NEW ARLINGTON HOTEL, HOT SPRINGS, ARK.	375	500
KZRQ	Far Eastern Radio, Inc., Manila, P. I.	222	500
KZUY	F. JOHNSON ELSER, MANILA, P. I.	370	500
KFI	E. C. ANTHONY, INC., LOS ANGELES, CALIF.	469	*1,500

Station	Owner and Location	Meters	Watts
KGB	The Ledger, Tacoma, Wash.	250	50
KGO	GENERAL ELECTRIC COMPANY, OAKLAND, CALIF.	300	2,500
KGU	M. A. Mulroney, Honolulu, Hawaii	360	500
KGW	THE OREGONIAN, PORTLAND, ORE.	485	500
KGY	St. Martin's College, Lacey, Wash.	246	5
KHJ	THE TIMES, LOS ANGELES, CALIF.	404	500
KHQ	Louis Wasmer, Seattle, Wash.	360	100
KJQ	C. O. Gould, Stockton, Calif.	360	5
KJR	Northwest Radio Co., Seattle, Wash.	283	100
KJS	Bible Institute of Los Angeles, Los Angeles, Calif.	294	500
KLS	Warner Bros. Radio Co., Oakland, Calif.	360	250
KLX	THE TRIBUNE, OAKLAND, CALIF.	509	500
KLZ	Reynolds Radio Co., Denver, Colo.	283	500
KMJ	San Joaquin L. & P. Corp., Fresno, Calif.	248	50
KMO	Love Elec. Co., Tacoma, Wash.	250	10
KNT	Walter Hemrich, Kukak Bay, Alaska	283	100
KNX	THE EXPRESS, LOS ANGELES, CALIF.	337	500
KOA	GENERAL ELECTRIC CO., DENVER, COLO.	322	*1,500
KOB	COLLEGE OF AGRI. & MECH. ARTS, STATE COLLEGE, N. M.	349	500
KOP	Detroit Police Department, Detroit, Mich.	278	500
KPO	HALE BROTHERS, SAN FRANCISCO, CALIF.	480	500
KQV	Doubleday Hill Elec. Co., Pittsburgh, Pa.	275	500
KQW	C. D. Herrold, San Jose, Calif.	240	50
KRE	The Gazette, Berkeley, Calif.	275	50
KSD	THE POST DISPATCH, ST. LOUIS, MO.	545	500
KTW	1st Presbyterian Church, Seattle, Wash.	360	750
KUO	Examiner Printing Co., San Francisco, Calif.	246	150
KWG	Portable Wireless Tel. Co., Stockton, Calif.	360	100
KWH	The Examiner, Los Angeles, Calif.	360	100
KYQ	The Electric Shop, Honolulu, Hawaii	270	100
KYW	WESTINGHOUSE E. & M. CO., CHICAGO, ILL.	*535	*1,500
KZM	P. D. Allen, Oakland, Calif.	360	51
WAAB	V. Jensen, New Orleans, La.	268	100
WAAC	Tulane University, New Orleans, La.	275	100

Station	Owner and Location	Meters	Watts
WAAD	Ohio Mech. Institute, Cincinnati, Ohio----	258	25
WAAF	Drovers Journal, Chicago, Ill.-----	278	200
WAAM	I. R. Nelson Co., Newark, N. J.-----	263	250
WAAN	University of Missouri, Columbia, Mo.----	254	50
WAAW	Omaha Grain Exchange, Omaha, Neb.----	278	500
WABA	Lake Forest University, Lake Forest, Ill.-----	227	100
WABB	Harrisburg Sporting Goods Co., Harrisburg, Pa.-----	266	10
WABG	Arnold Edwards & Co., Jacksonville, Fla.	275	10
WABH	Lake Shore Tire Co., Sandusky, Ohio----	240	20
WABI	Bangor Ry. & Elec. Co., Bangor, Maine-----	240	100
WABL	Agricultural College, Storrs, Conn.-----	283	100
WABM	F. E. Doherty Radio Service Co., Saginaw, Mich. -----	261	100
WABN	Ott Radio, Inc., La Crosse, Wisc.-----	244	500
WABO	Lake Avenue Baptist Church, Rochester, N. Y. -----	278	100
WABQ	Haverford College Radio Club, Haverford, Pa. -----	261	50
WABR	Scott High School, Toledo, Ohio-----	263	50
WABU	Victor Talking Machine Co., Camden, N. J.	226	50
WABV	College of Wooster, Wooster, Ohio-----	234	20
WABW	College of Wooster, Wooster, Ohio-----	207	20
WABX	H. B. Joy, Mt. Clemens, Mich.-----	254	50
WABY	John Magaldi, Philadelphia, Pa.-----	242	50
WABZ	Coliseum Place Baptist Church, New Orleans, La.-----	263	50
WAHG	A. H. GREBE CO., RICHMOND HILL, N. Y.-----	316	500
WBS	D. W. May, Inc., Newark, N. J.-----	360	50
WBT	Southern Radio Co., Charlotte, N. C.-----	275	250
WBZ	WESTINGHOUSE E. & M. CO., SPRINGFIELD, MASS. -----	333	*1,500
WBAA	Purdue University, West Lafayette, Ind.-----	273	250
WBAN	Wireless Phone Corp., Paterson, N. J.-----	244	100
WBAO	James Millikin University, Decatur, Ill.-----	275	100
WBAP	STAR TELEGRAM, FORT WORTH, TEX.	480	500
WBAV	ERNER HOPKINS CO., COLUMBUS, O.	294	500
WBAX	J. H. Stenger, Jr., Wilkes-Barre, Pa.-----	256	20
WBBA	Plymouth Congregational Church, Newark, Ohio -----	226	20

Station	Owner and Location	Meters	Watts
WBBD	Barbery Battery Service, Reading, Pa.	234	50
WBBF	Georgia College of Tech., Atlanta, Ga.	270	500
WBBG	I. Vermilya, Mattapoisett, Mass.	248	100
WBBH	J. Irving Bell, Port Huron, Mich.	205	50
WBBJ	National Elec. Co., West Palm Beach, Fla.	258	50
WBBL	Grace Covenant Presbyterian Church, Richmond, Va.	229	50
WBBM	H. L. Atlass, Chicago, Ill.	226	200
WBBP	Petoskey High School, Petoskey, Mich.	214	50
WBBR	Peoples Pulpit Ass'n, Rossville, N. Y.	273	500
WBBS	1st Baptist Church, New Orleans, La.	252	50
WBBU	Jenks Motor Sales Co., Monmouth, Ill.	224	10
WBBV	Johnstown Radio Co., Johnstown, Pa.	248	5
WBBW	Ruffner City High School, Norfolk, Va.	222	50
WBBY	Washington Light Infantry, Charleston, S. C.	268	10
WBBZ	N. B. Watson, Indianapolis, Ind.	238	50
WBCN	Foster & McDonnell, Chicago, Ill.	266	500
WBDC	Baxter Laundry Co., Grand Rapids, Mich.	255	50
WBRE	L. G. Baltimore, Wilkes-Barre, Pa.	231	10
WCK	Stix Baer & Fuller Co., St. Louis, Mo.	273	100
WCM	Texas Market Department, Austin, Texas	268	250
WCX	DETROIT FREE PRESS, DETROIT, MICH.	517	500
WCAD	St. Lawrence University, Canton, N. Y.	263	250
WCAE	KAUFMAN & BAER, PITTSBURGH, PA.	461	500
WCAG	C. R. Randall, New Orleans, La.	268	50
WCAH	Entrekin Electric Co., Columbus, Ohio	266	200
WCAJ	Nebraska Wesleyan University, University Place, Neb.	275	500
WCAL	ST. OLAF COLLEGE, NORTHFIELD, MINN.	337	500
WCAO	Sanders & Stayman, Baltimore, Md.	275	50
WCAP	C. & P. TEL. CO., WASHINGTON, D. C.	469	500
WCAR	Southern Radio Corp., San Antonio, Texas	263	100
WCAS	Dunwoody Institute, Minneapolis, Minn.	278	100
WCAT	School of Mines, Rapids City, S. D.	240	100
WCAU	Durham & Co., Philadelphia, Pa.	278	500
WCAV	Dice Elec. Co., Little Rock, Ark.	263	10
WCAX	University of Vermont, Burlington, Vt.	250	50
WCAY	Civic Broadcasting Ass'n, Milwaukee, Wisc.	266	250

Station	Owner and Location	Meters	Watts
WCAZ	Carthage College, Carthage, Ill.-----	246	50
WCBA	C. W. Heimbach, Allentown, Pa.-----	254	10
WCBC	University of Michigan, Ann Arbor, Mich.	229	200
WCBD	W. G. VOLIVA, ZION, ILL.-----	345	500
WCBE	Uhalt Radio Co., New Orleans, La.-----	263	5
WCBG	H. S. Williams, Pascagoula, Miss.-----	268	10
WCBH	University of Mississippi, Oxford, Miss.-----	242	20
WCBI	Nicoll, Duncan & Rush, Bemis, Tenn.-----	240	150
WCBJ	J. C. Mans, Jennings, La.-----	244	10
WCBL	Northern Radio Mfg. Co., Houlton, Maine	266	50
WCBM	Charles Schwarz, Baltimore, Md.-----	229	50
WCBO	Radio Shop, Inc., Memphis, Tenn.-----	250	20
WCBQ	1st Baptist Church, Nashville, Tenn.-----	236	100
WCBR	C. H. Messter (Portable)-----	205	5
WCBT	Clark University, Worcester, Mass.-----	238	250
WCBU	Arnold Wireless Co., Arnold, Pa.-----	220	50
WCBV	Tullahoma Radio Club, Tullahoma, Tenn.	252	10
WCBW	G. P. Rankin, Jr., Macon, Ga.-----	226	10
WCBY	Forks Electrical Shop, Buck Hill Falls, Pa.	268	10
WCBZ	Coppotelli Bros., Chicago Heights, Ill.-----	248	50
WCCO	WASHBURN CROSBY CO., MINNEAPO- LIS, MINN. -----	416	500
WCEE	C. E. Erbstein, Elgin, Ill.-----	286	500
WDM	Church of the Covenant, Washington, D. C.	234	50
WDZ	J. L. Bush, Tuscola, Ill.-----	278	100
WDAE	Tampa Daily Times, Tampa, Fla.-----	273	250
WDAF	KANSAS CITY STAR, KANSAS CITY, MO. -----	366	500
WDAG	J. L. Martin, Amarillo, Texas-----	263	100
WDAH	Trinity Methodist Church, El Paso, Texas	268	100
WDAR	LIT BROTHERS, PHILADELPHIA, PA.-----	395	500
WDAY	Radio Equipment Corp., Fargo, N. D.-----	244	50
WDBB	A. H. White & Co., Taunton, Mass.-----	229	10
WDBC	Kirk, Johnson & Co., Lancaster, Pa.-----	258	50
WDBD	H. E. Burns, Martinsburg, W. Va.-----	254	5
WDBE	Gilham-Schoen Elec. Co., Atlanta, Ga.-----	278	100
WDBF	R. G. Phillips, Youngstown, Ohio-----	222	50
WDBI	Radio Spec. Co., St. Petersburg, Fla.-----	226	10
WDBJ	Richardson Wayland Elec. Co., Roanoke, Va. -----	229	20

Station	Owner and Location	Meters	Watts
WDBL	Department of Markets, Stevens Point, Wisc.	278	500
WDBO	Rollins College, Winter Park, Fla.	240	50
WDBP	State Normal School, Superior, Wisc.	261	50
WDBQ	Morton Radio Supply Co., Salem, N. J.	234	10
WDBR	Tremont Temple Baptist Church, Boston, Mass.	256	100
WDBS	S. M. K. Radio Corp., Dayton, Ohio	275	5
WDBT	Taylor's Book Store, Hattiesburg, Miss.	236	10
WDBW	Radio Den, Columbia, Tenn.	268	20
WDBX	Otto Baur, New York, N. Y.	233	5
WDBY	North Side Congregational Church, Chicago, Ill.	258	500
WDBZ	Boy Scouts of America, Kingston, N. Y.	233	5
WDWF	D. W. FLINT, CRANSTON, R. I.	441	500
WEB	The Benwood Co., St. Louis, Mo.	273	250
WEW	St. Louis University, St. Louis, Mo.	280	100
WEAA	F. D. Fallain, Flint, Mich.	234	10
WEAF	A. T. & T. CO., NEW YORK, N. Y.	492	*2,000
WEAH	Wichita Board of Trade, Wichita, Kans.	268	50
WEAI	Cornell University, Ithaca, N. Y.	254	500
WEAJ	University of South Dakota, Vermillion, S. D.	278	100
WEAM	Borough of North Plainfield, N. Plainfield, N. J.	261	100
WEAN	Shepard Co., Providence, R. I.	270	100
WEAO	OHIO STATE UNIVERSITY, COLUMBUS, OHIO	294	500
WEAR	GOODYEAR T. AND R. CO., CLEVELAND, OHIO	389	1,000
WEAU	Davidson Bros. Co., Sioux City, Ia.	275	100
WEAY	Iris Theatre, Houston, Texas	360	500
WEBA	The Electric Shop, Highland Park, N. J.	233	15
WEBC	W. C. Bridges, Superior, Wisc.	242	10
WEBD	Elec. Equipment & Service Co., Anderson, Ind.	246	10
WEBE	Roy W. Walker, Cambridge, Ohio	234	10
WEBH	EDGEWATER BEACH HOTEL, CHICAGO, ILL.	370	1,000
WEBJ	Third Avenue R. R. Co., New York, N. Y.	273	500

Station	Owner and Location	Meters	Watts
WEBK	Grand Rapids Radio Co., Grand Rapids, Mich. -----	242	20
WEBL	Radio Corp. of Ama., (Portable)-----	226	100
WEBM	Radio Corp. of Ama., Portable Mobile Station -----	226	100
WEBO	H. W. Fahrlander Radio Co., Hamilton, Ohio -----	252	5
WEBP	E. B. Peddicord, New Orleans, La.-----	280	50
WEBQ	Tate Radio Co., Harrisburg, Ill.-----	226	10
WEBR	H. H. Howell, Buffalo, N. Y.-----	240	15
WEBT	Dayton High School, Dayton, Ohio-----	256	5
WEBW	Beloit College, Beloit, Wisc.-----	268	500
WEBX	J. E. Gains, Jr., Nashville, Tenn.-----	263	50
WEBY	Hobart Radio Co., Roslindale, Mass.-----	226	10
WEBZ	Savannah Radio Corp., Savannah, Ga.-----	234	5
WEEI	EDISON ELECTRIC ILLUMINATING CO., BOSTON, MASS.-----	480	500
WEMC	EMM. MISSIONARY COLLEGE, BER- RIEN SPRINGS, MICH.-----	286	500
WFI	STRAWBRIDGE & CLOTHIER, PHILA- DELPHIA, PA.-----	395	500
WFAA	DALLAS NEWS & JOURNAL, DALLAS, TEXAS -----	480	500
WFAM	The Times, St. Cloud, Minn.-----	273	10
WFAV	University of Neb., Lincoln, Neb.-----	275	500
WFBB	Eureka College, Eureka, Ill.-----	240	50
WFBC	1st Baptist Church, Knoxville, Tenn.-----	250	50
WFBE	J. V. De Walle, Seymour, Ind.-----	226	20
WFBG	W. F. Gable Co., Altoona, Pa.-----	278	100
WFBH	Hotel Majestic, New York, N. Y.-----	273	500
WFBI	Galvin Radio Supply Co., Camden, N. J.-----	236	100
WFBJ	St. Johns University, Collegeville, Minn.-----	236	50
WFBK	Dartmouth College, Hanover, N. H.-----	256	100
WFBL	Onondaga Hotel, Syracuse, N. Y.-----	252	100
WFBM	Merchants Lighting Co., Indianapolis, Ind.-----	268	250
WFBN	Radio Sales & Service Co., Bridgewater, Mass. -----	226	200
WFBQ	Wynne Radio Co., Raleigh, N. C.-----	252	50
WFBR	Maryland Nat'l Guard, Baltimore, Md.-----	254	100
WFBT	Civic League, Pitman, N. J.-----	231	50

Station	Owner and Location	Meters	Watts
WFBY	Signal Corps, Ft. Ben Harrison, Ind.-----	258	100
WFBZ	Knox College, Galesburg, Ill.-----	254	10
WGI	American Radio Res. Corp., Medford Hill-side, Mass. -----	261	100
WGN	THE TRIBUNE, CHICAGO, ILL.-----	370	1,000
WGR	FEDERAL TELEPHONE MFG. CO., BUF-FALO, N. Y.-----	319	750
WGY	GENERAL ELEC. CO., SCHENECTADY, N. Y.-----	380	1,500
WGAL	Lancaster Elec. Supply Co., Lancaster, Pa.	248	10
WGAQ	Youree Hotel, Shreveport, La.-----	263	150
WGAZ	The Tribune, South Bend, Ind.-----	275	250
WGBA	Jones Elec. & Radio Co., Baltimore, Md.-----	254	50
WGBB	H. H. Carman, Freeport, N. Y.-----	244	100
WGBC	1st Baptist Church, Memphis, Tenn.-----	266	10
WGBF	The Finke Furniture Co., Evansville, Ind.-----	217	50
WGBG	Breitenbach's Radio Shop, Thrifton, Va.-----	226	100
WGBH	Fall River Herald Pub. Co. (New England States Portable)-----	210	10
WGBI	Frank S. Megargee, Scranton, Pa.-----	240	10
WGBK	L. W. Campbell, Johnstown, Pa.-----	248	5
WGBL	Elyria Radio Co., Elyria, Ohio-----	227	10
WGBM	T. N. Saaty, Providence, R. I.-----	234	5
WGBS	GIMBEL BROTHERS, NEW YORK, N. Y.-----	316	1,000
WGBT	Furman University, Greenville, S. C.-----	236	15
WGST	Ga. School of Tech., Atlanta, Ga.-----	250	20
WHA	UNIVERSITY OF WISCONSIN, MADISON, WISC.-----	535	500
WHB	SWEENEY SCHOOL CO., KANSAS CITY, MO.-----	366	500
WHK	Radiovox Company, Cleveland, Ohio-----	283	100
WHN	GEORGE SCHUBEL, NEW YORK, N. Y.-----	361	500
WHO	BANKERS LIFE CO., DES MOINES, IOWA -----	526	500
WHAA	STATE UNIVERSITY OF IOWA, IOWA CITY, IOWA -----	484	500
WHAD	Marquette University, Milwaukee, Wisc.-----	275	500
WHAG	University of Cincinnati, Cincinnati, Ohio-----	233	100
WHAM	University of Rochester, Rochester, N. Y.-----	278	100
WHAR	Seaside Hotel, Atlantic City, N. J.-----	275	100
WHAS	THE COURIER JOURNAL-TIMES, LOUISVILLE, KY.-----	400	500

Station	Owner and Location	Meters	Watts
WHAV	Wilmington Elec. Spec. Co., Wilmington, Del.	266	100
WHAZ	RENSSELAER POLYTECHNIC INSTI- TUTE, TROY, N. Y.	380	500
WHBA	Shaffer Music House, Oil City, Pa.	250	20
WIK	K. & L. Eléc. Supply Co., McKeesport, Pa.	234	500
WIP	GIMBEL BROTHERS, PHILADELPHIA, PA.	508	500
WIAD	H. R. Miller, Philadelphia, Pa.	250	100
WIAK	Journal Stockton Co., Omaha, Neb.	278	200
WIAS	Home Elec. Co., Burlington, Iowa	254	100
WJD	Dennison University, Granville, Ohio	217.3	10
WJY	RADIO CORP. OF AMA., NEW YORK, N. Y.	405	500
WJZ	RADIO CORP. OF AMA., NEW YORK, N. Y.	454	500
WJAB	American Elec. Co., Lincoln, Neb.	229	100
WJAD	JACKSON'S RADIO ELEC. CO., WACO, TEXAS	353	500
WJAG	Norfolk Daily News, Norfolk, Nebraska	270	250
WJAK	Rev. C. L. White, Greentown, Ind.	254	30
WJAM	D. M. Perham, Cedar Rapids, Ia.	268	20
WJAN	The Star, Peoria, Ill.	273	100
WJAR	THE OUTLET CO., PROVIDENCE, R. I.	306	500
WJAS	Pittsburgh Radio Supply House, Pitts- burgh, Pa.	275	500
WJAZ	Chicago Radio Laboratory, Chicago, Ill.	268	100
WJJD	LOYAL ORDER OF MOOSE, MOOSE- HEART, ILL.	303	500
WKY	WKY Radio Shop, Oklahoma City, Okla.	275	100
WKAQ	H. F. Paar, Cedar Rapids, Ia.	278	100
WKAN	United Battery Service Co., Montgomery, Ala.	226	15
WKAP	D. W. Flint, Cranston, R. I.	234	50
WKAQ	RADIO CORP. OF PORTO RICO, SAN JUAN, P. R.	341	500
WKAR	MICH. AGRICULTURAL COLLEGE, LANSING, MICH.	285	500
WKAV	Laconia Radio Club, Laconia, N. H.	254	50
WLB	University of Minneapolis, Minneapolis, Minn.	278	5

Station	Owner and Location	Meters	Watts
WLS	SEARS ROEBUCK CO., CHICAGO, ILL.	345	500
WLW	CROSLEY RADIO CORP., CINCINNATI, OHIO -----	422	500
WLAP	W. V. Jordan, Louisville, Ky.-----	275	20
WLAX	Putnam Elec. Co., Greencastle, Ind.-----	231	10
WLBL	Wisconsin Department of Markets, Stevens Point, Wisc.-----	278	500
WMC	THE COMMERCIAL APPEAL, MEM- PHIS, TENN. -----	500	500
WMH	AINSWORTH-GATES RADIO CO., CIN- CINNATI, OHIO-----	*326	750
WMU	Doubleday Hill Elec. Co., Washington, D. C.-----	261	50
WMAC	C. B. Meredith, Cazenovia, N. Y.-----	275	100
WMAF	Round Hills Radio Corp., Dartmouth, Mass.	360	500
WMAH	General Supply Co., Lincoln, Neb.-----	254	50
WMAK	Norton Laboratory, Lockport, N. Y.-----	266	500
WMAN	1st Baptist Church, Columbus, Ohio-----	278	10
WMAQ	CHICAGO DAILY NEWS, CHICAGO, ILL. -----	448	500
WMAV	Alabama Polytechnic Institute, Auburn, Ala. -----	250	500
WMAY	Kings Highway Presbyterian Church, St. Louis, Mo. -----	248	100
WMAZ	Mercer University, Macon, Ga.-----	261	100
WMBF	FLEETWOOD HOTEL, MIAMI BEACH, FLA. -----	384	500
WNJ	Radio Shop, Newark, N. J.-----	233	100
WNAC	SHEPARD STORES, BOSTON, MASS.-----	280	500
WNAD	University of Okla., Norman, Okla.-----	254	100
WNAL	Omaha Central High School, Omaha, Neb.-----	258	20
WNAP	Wittenberg College, Springfield, Ohio-----	248	100
WNAR	1st Christian Church, Butler, Mo.-----	231	20
WNAT	Lenning Bros. Co., Philadelphia, Pa.-----	250	100
WNAX	Dakota Radio App. Co., Yankton, S. D.-----	244	100
WNYC	MUNICIPAL STATION, NEW YORK, N. Y. -----	526	1,000
WOC	PALMER SCHOOL OF CHIRO., DAVEN- PORT, IOWA -----	484	1,500
WOI	Iowa State College, Ames, Iowa-----	270	500
WOO	JOHN WANAMAKER, PHILADELPHIA, PA. -----	508	500

Station	Owner and Location	Meters	Watts
WOQ	Unity School of Christianity, Kansas City, Mo. -----	278	500
WOR	L. BAMBERGER AND CO., NEWARK, N. J.-----	405	500
WOS	MO. STATE MARKETING BUREAU, JEFFERSON CITY, MO.-----	441	500
WOAC	Page Organ Co., Lima, Ohio-----	266	50
WOAF	Tyler Commercial College, Tyler, Texas-----	360	20
WOAI	SOUTH EAST EQUIPMENT CO., SAN ANTONIO, TEXAS -----	395	500
WOAN	VAUGHAN CON. OF MUSIC, LAW- RENCEBURG, TENN. -----	282	500
WOAR	H. P. Lundskow, Kenosha, Wisc.-----	229	50
WOAV	Penn. Nat'l. Guard, Erie, Pa.-----	242	100
WOAW	WOODMEN OF THE WORLD, OMAHA, NEB. -----	526	500
WOAX	F. J. Wolff, Trenton, N. J.-----	240	500
WOCL	Hotel Jamestown, Jamestown, N. Y.-----	275	15
WORD	Peoples Pulpit Ass'n, Batavia, Ill.-----	278	500
WPG	MUNICIPALITY OF ATLANTIC CITY, ATLANTIC CITY, N. J.-----	300	500
WPAJ	Doolittle Radio Corp., New Haven, Conn.	268	10
WPAK	N. D. Agricultural College, Agricultural College, N. D.-----	275	50
WPAU	Concordia College, Moorhead, Minn.-----	286	10
WPAZ	Dr. J. H. Koch, Charleston, W. Va.-----	268	10
WPSC	Penn State College, State College, Pa.-----	261	500
WQJ	CALUMET RAINBO BROADCASTING CO., CHICAGO, ILL.-----	448	500
WQAA	H. A. Beale, Jr., Parkersburg, Pa.-----	220	500
WQAC	Gish Radio Service, Amarillo, Texas-----	234	100
WQAE	Moore Radio News Station, Springfield, Vermont -----	246	50
WQAL	Cole County T. and T. Co., Mattoon, Ill.	258	10
WQAM	Electric Equipment Co., Miami, Fla.-----	268	250
WQAN	The Scranton Times, Scranton, Pa.-----	280	50
WQAO	Calvary Baptist Church, New York, N. Y.	360	100
WQAS	Prince Walter Co., Lowell, Mass.-----	252	100
WRC	RADIO CORP. OF AMA., WASHINGTON, D. C. -----	469	500
WRK	Doron Bros. Elec. Co., Hamilton, Ohio--	270	200
WRM	University of Illinois, Urbana, Ill.-----	273	500

Station	Owner and Location	Meters	Watts
WRR	Dallas Police & Fire Dept., Dallas, Texas	261	200
WRW	Tarrytown Research Laboratory, Tarrytown, N. Y.-----	273	150
WRAA	Rice Institute, Houston, Texas-----	256	100
WRAF	Radio Club, Inc., Laporte, Ind.-----	224	20
WRAL	Northern States Power Co., St. Croix Falls, Wisc. -----	248	100
WRAM	Lombard College, Galesburg, Ill.-----	244	250
WRAN	Black Hawk Elec. Co., Waterloo, Ia.-----	236	10
WRAO	R. H. Browning, St. Louis, Mo.-----	227	10
WRAV	Antioch College, Yellow Springs, Ohio-----	263	100
WRAW	Avenue Radio Shop, Reading, Pa.-----	238	10
WRAX	Flexon's Garage, Gloucester City, N. J.-----	268	100
WRBC	Immanuel Lutheran Church, Valparaiso, Ind. -----	278	500
WREO	REO MOTOR COMPANY, LANSING, MICH. -----	286	500
WRHF	Radio Hospital Fund, Washington, D. C.-----	256	50
WSB	THE ATLANTA JOURNAL, ATLANTA, GA. -----	428	500
WSL	J. & M. Elec. Co., Utica, N. Y.-----	273	100
WSAB	S. E. Mo. State Teachers College, Cape Girardeau, Mo.-----	275	100
WSAC	CLEMSON AGRICULTURAL COLLEGE, CLEMSON COLLEGE, S. C.-----	337	500
WSAD	J. A. Foster Co., Providence, R. I.-----	256	100
WSAG	Loren Vanderbeck Davis, St. Petersburg, Fla. -----	266	500
WSAI	U. S. PLAYING CARD CO., CINCINNATI, OHIO -----	*326	500
WSAJ	Grove City College, Grove City, Pa.-----	229	250
WSAN	Allentown Call, Allentown, Pa.-----	229	10
WSAP	City Temple, New York, N. Y.-----	263	250
WSAR	Doherty & Welsh Elec. Co., Fall River, Mass. -----	254	10
WSAX	Chicago Radio Laboratory, Chicago, Ill.-----	268	20
WSAZ	Chase Radio Co., Pomeroy, Ohio-----	244	50
WSOE	School of Engineering, Milwaukee, Wisc.-----	246	100
WSRF	Harden Sales and Service Co., Broadlands, Ill. -----	233	10

Station	Owner and Location	Meters	Watts
WTG	Kansas State Agricultural College, Manhattan, Kas.-----	273	50
WTAB	Fall River Daily Herald, Fall River, Mass.	266	100
WTAC	Penna. Traffic Co., Johnstown, Pa.-----	210	150
WTAF	L. J. Gallo, New Orleans, La.-----	268	20
WTAL	Toledo Radio & Elec. Co., Toledo, Ohio-----	240	10
WTAM	WILLARD STORAGE BATTERY CO., CLEVELAND, OHIO -----	389	*1,500
WTAP	Cambridge Radio Elec. Co., Cambridge, Ill.	242	50
WTAQ	S. Van Gordon & Son, Osseo, Wisc.-----	254	100
WTAR	Reliance Radio & Elec. Co., Norfolk, Va.	280	100
WTAS	CHARLES E. ERBSTEIN, ELGIN, ILL.	303	1,500
WTAT	Edison Elec. Ill. Co. (Portable), Boston, Mass. -----	244	100
WTAU	Ruegg Battery & Elec. Co., Tecumseh, Neb. -----	242	10
WTAW	Agricultural & Mech. College, College Station, Tex.-----	270	50
WTAX	Williams Hardware Mfg. Co., Streator, Ill.	231	50
WTAY	Oak Leaves Broadcasting Ass'n, Oak Park, Ill. -----	250	500
WTAZ	T. J. McGuire, Lambertville, N. J.-----	261	15
WTIC	TRAVELERS INSURANCE CO., HARTFORD, CONN-----	349	500
WWI	Ford Motor Co., Dearborn, Mich.-----	266	50
WWJ	THE DETROIT NEWS, DETROIT, MICH.	353	500
WWL	Loyola University, New Orleans, La.-----	280	100
WWAD	Wright & Wright, Inc., Philadelphia, Pa.-----	250	100
WWAE	Alama Ballroom, Joliet, Ill.-----	242	150
WWAO	College of Mines, Houghton, Mich.-----	244	250

The fact that a noted pantomimist succeeded in getting his stuff over to a radio audience in Boston recently has caused some comment. It is, however, not new, for almost a year ago Charlie Chaplin did that very thing from Newark and the way he did it is worth repeating.

Charlie began by telling his audience that he would play a violin solo, then he added a 'cello solo, then a flute solo, then, his audience by this time marveling at his versatility, never having heard of Chaplin as a musician, a trombone solo, and finally a drum solo. "Now," said Charlie in conclusion, "I'll play them all at once." It seems he had the orchestra doing all these things for him, and the laugh was on the listeners-in.

# CANADIAN BROADCASTING STATIONS

Signal	Owner and Location	Meters
CFAC	Calgary Herald, Calgary, Alberta	430
CFCA	Star Pub. & Printing Co., Toronto, Ont.	400
CFCD	Marconi, Vancouver, B. C.	440
CFCE	Marconi, Halifax, N. S.	440
CFCF	Marconi, Montreal, Que.	440
CFCH	Abitibi Power & Paper Co., Iroquois Falls, Ont.	400
CFCJ	La Cie de L'Evenement, Quebec, Que.	410
CFCK	Radio Supply Co., Edmonton, Alberta	410
CFCL	Centennial Methodist Church, Vancouver, B. C.	400
CFCN	W. W. Grant Radio, Ltd., Calgary, Alberta	440
CFCQ	Seunelbaack-Dickson, Ltd., Bellevue, Que.	450
CFCR	Laurentide Air Service, Sudbury, Ont.	410
CFCW	Radio Shop, London, Ont.	420
CFDC	Sparks Co., Nanaimo, B. C.	430
CFPC	International Radio Development Co., Ft. Frances, Ont.	400
CFQC	The Electric Shop, Saskatoon, Sask.	400
CFRN	Queens University, Kingston, Ont.	450
CFTC	Bell Telephone Co., Toronto, Ont.	410
CFUC	University of Montreal, Montreal, Que.	400
CGAC	G. Melrose Bell, Calgary, Alberta	430
CGAC	G. Melrose Bell, Vancouver, B. C.	430
CHAC	Radio Engineers, Halifax, N. S.	400
CHBC	Alberta Publishing Co., Calgary, Alberta	410
CHCB	Marconi, Toronto, Ont.	440
CHCD	Canadian Wireless & Elec. Co., Quebec, Que.	410
CHCE	Western Canada Radio Supply, Ltd., Victoria, B. C.	400
CHCF	G. Melrose Bell, Winnipeg, Manitoba	430
CHCL	Vancouver Merchants Exchange, Vancouver, B. C.	440
CHCQ	London Radio Shoppe, London, Ont.	410
CHCQ	Western Radio Co., Calgary, Alberta	400
CHVC	Metropolitan Motors, Toronto, Ont.	410
CHXC	J. R. Booth, Jr., Ottawa, Ont.	400
CHYC	Northern Electric Co., Montreal, Que.	410
CJBC	Depuis Freres, Montreal, Que.	420
CJCA	Edmonton Journal, Edmonton, Alberta	450
CJCB	J. G. Bennett, Nelson, B. C.	400
CJCD	T. Eaton Co., Toronto, Ont.	410
CJCE	Sprott Shaw Radio Co., Vancouver, B. C.	420
CJCF	The News Record, Ltd., Kitchener, Ont.	420
CJCG	Manitoba Free Press, Winnipeg, Manitoba	410
CJCI	Maritime Radio Corp., St. John, N. B.	400
CJCN	Simons Agnew & Co., Toronto, Ont.	410
CJCS	Eastern Tel. & Tel. Co., Halifax, N. S.	410
CJCX	Percival Wesley Shackleton, Olds, Alberta	400
CJGC	Free Press Printing Co., London, Ont.	430
CJNC	Tribune Newspaper Co., Winnipeg, Manitoba	400
CJSC	Evening Telegram, Toronto, Ont.	430
CKAC	LaPress Publishing Co., Montreal, Que.	430
CKCD	Daily Province, Vancouver, B. C.	410
CKCE	Canadian Independent Tel. Co., Toronto, Ont.	450
CKCK	Leader Publishing Co., Regina, Sask.	420
CKKR	Jones Elec. Co., St. John, N. B.	400
CKKS	Bell Telephone Co., Montreal, Que.	400
CKOC	Wentworth Radio Supply Co., Hamilton, Ont.	410
CKQC	Radio Supply Co., Ltd., London, Ont.	410
CKZC	Salton Radio Engineering Co., Winnipeg, Manitoba	420
CKY	Manitoba Telephone System, Winnipeg, Manitoba	450
CNRA	Canadian National Railway, Moncton, N. B.	313
CNRN	Canadian National Railway, Calgary, Alberta	450
CNRE	Canadian National Railway, Edmonton, Alberta	440
CNRM	Canadian National Railway, Montreal, Que.	341
CNRO	Canadian National Railway, Ottawa, Ont.	435
CNRR	Canadian National Railway, Regina, Sask.	420
CNRS	Canadian National Railway, Saskatoon, Sask.	400
CNRT	Canadian National Railway, Toronto, Ont.	400
CNRW	Canadian National Railway, Winnipeg, Manitoba	450

## MEXICAN BROADCASTING STATIONS

Call Signal	Owner and Location	Wave Length	Power Watts
CYB	El Buen Tono, Mexico City	360	500
CYL	El Universal, Mexico City	360	500
	Colegio Ateneo Fuente, Saltillo	450	135
	Rositer & Co., Mazatlan		50

## CUBAN BROADCASTING STATIONS

PWX	Cuban Telephone Co., Habana	400	500
2AB	Alberte S. Bustamante, Habana	240	20
2CX	Frederick W. Borton, Habana	320	10
2DW	Pedro Zayas, Habana	300	100
2DY	Frederick W. Borton, Habana	260	100
2EV	Westinghouse Electric Co., Habana	200	50
2HC	Heraldo de Cuba, Habana	275	500
2HS	Julio Power, Habana	180	20
2JQ	Raul Perez Falcon, Habana	150	10
2KD	E. Sanchez Fuentes, Habana	350	100
2KP	Alvaro Daza, Habana	200	10
2LC	Luis Casas, Habana	250	30
2MG	Manuel G. Salas, Habana	280	20
2MN	Fausto Simon, Habana	270	300
2OK	Maria Garcia Velez, Habana	360	100
2OL	Oscar Collado, Habana	290	15
2TW	Roberto E. Ramirez, Habana	230	20
2WW	Amadeo Saenz, Habana	210	20
5EV	Leopoldo V. Figueroa, Colon	360	100
6AZ	Valentin Ullivarri, Cienfuegos	200	10
6BY	Jose Ganduxe, Cienfuegos	300	100
6CX	Antonio T. Figueroa, Cienfuegos	170	20
6DW	Eduardo Terry, Cienfuegos	225	10
6EV	Josefa Alvarez, Caibarien	225	20
6KJ	Frank H. Jones, Tuinucu	275	100
6KW	Frank H. Journe, Tuinucu	340	100
7AZ	Pedro Nogneros, Camaguey	225	
7BY	Salvador Rionda, Camaguey	350	
8AZ	Alfredo Brooks, Santiago	240	20
8BY	Alberto Ravelo, Santiago	250	100
8DW	Pedro C. Andus, Santiago	275	50
8EV	Eduardo Mateo, Santiago	180	75
8FU	Andres Vinnet, Santiago	225	15
8GT	Juan F. Chibas, Santiago	260	

## SOUTH AMERICAN BROADCASTING STATIONS

### ARGENTINA

Buenos Ayres, Radio Sud America—LOZ	375	500
Also—LOZ	384	500
Buenos Ayres, Radio Cultura—LOX	375	---
Buenos Ayres, Francisco J. Brusa—TCR	325	100
Also TCR	300	100
Buenos Ayres, Cia. Radio Argentina—LOR	350	500
Also—LOR	410	500
Buenos Ayres, Ciara	400	500
Buenos Ayres, Francisco J. Brusa—LOV	---	---
Buenos Ayres, Francisco J. Brusa—B-1	---	---
Buenos Ayres, Grand Splendid Thea—LOW	---	---
Buenos Ayres, Radio Nacional—LOY	---	---
Tucuman, no data	---	---
Rosario, no data	---	---

## BRAZIL

Rio de Janeiro, Praia Vermelha—No data	---	500
Rio de Janeiro, Marconi (Radio Sociedade de Rio de Janeiro) —No data	---	6000
Sao Paulo, Radio Bondeirantes—No data	---	10000
Belle Horizontes, National Tel. Serv.—No data	---	500
Bahai, Radio Sociedade do Bahia—Projected station	---	---

## CHILE

Valparaiso, Sr. Placi do Munoz Rojas—No data	---	---
Santiago, Radio Corp. of Chile—CRC	400	---
Also—CRC	400	---
Vina del Mar, Radio Corp. of Chile—ABC	400	---

## PERU

No data, Peruvian Broadcasting Co. (projected)	---	---
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## AUSTRALIA

Sydney, Farmer & Co., Ltd.—2CF	1120	1000
Sydney, Broadcasting Sydney, Ltd.—2BL	380	500
Melbourne, Associated Radio Co., Ltd.—2AB	480	250
Adelaide, So. Australia, B'd'c'igs, Ltd.	480	---
Perth, W. Australian Farmers, Ltd.—6WF	1250	500

## FRANCE

Paris, Eiffel Tower—FL	2600	4000
Paris, Ecole Super. des P. T. & T.—ESP	450	350
Tours, French Government—YG	2500	500
La Doua (Lyons), French Government—YN	480	500
Also—YN	3100	500
Paris, Levallois (Radiola)—SFR	1780	2000
Nice, French Government—None	400	---
Issy-sur-Moulineaux, French Government—None	1600	---
Bourges, French Government—None	900	---
Abbeville, French Government—None	900	---
Paris, no data—SAJ	1780	---

## GREAT BRITAIN

The following stations are operated by the British Broadcasting Company, which holds an exclusive concession from the British Government:		
Sheffield—None	303	---
Plymouth—None	330	---
Cardiff—5WA	350	1100
London—2LO	365	900
Manchester—2ZY	375	1000
Bournemouth—6BM	385	1100
Newcastle—5NO	400	1100
Glasgow—2SC	415	---
Glasgow—5SC	420	1100
Belfast—None	435	---
Birmingham—51T	475	500
Aberdeen—2BD	495	1100
Chelmsford—5XX	1000	---
Croydon—GED	900	---
Leeds-Bradford—2LS	346	---
Also—2LS	310	---

## ALPHABETICAL LIST OF CITIES HAVING STATIONS OF 500 WATTS POWER OR MORE

Ames, Iowa	WOI	Lansing, Mich.	WKAR,
Atlanta, Ga.	WBBF, WSB	WREO.	
Atlantic City, N. J.	WPG	Lawrence, Kans.	KFKU
Auburn, Ala.	WMAV	Lawrenceburg, Tenn.	WOAN
Batavia, Ill.	WORD	Lincoln, Nebr.	WFAV
Beaumont, Texas	KFDM	Lockport, N. Y.	WMAK
Beloit, Wis.	WEBW	Los Angeles, Calif.	KFCL,
Berrien Springs, Mich.	WEMC	KFPR, KFSG, KFI, KHJ,	
Boise, Idaho	KFAU	KJS, KNX.	
Boston, Mass.	WEEI, WNAC	Louisville, Ky.	WHAS
Bristow, Okla.	KFRU	Madison, Wis.	WHA
Buffalo, N. Y.	WGR	Manhattan, Kans.	KSAC
Chicago, Ill.	KYW, WBCN	Manila, P. I.	KZRQ, KZUY
	WDBY, WEBH, WGN, WIS, WMAQ, WQJ.	McKeesport, Pa.	WIK
Cincinnati, Ohio	WLW, WMH, WSAI.	Memphis, Tenn.	WMC
Clemson College, S. C.	WSAC	Miami Beach, Fla.	WMBF
Cleveland, Ohio	KDPM, WTAM, WEAR.	Milford, Kans.	KFKB
Columbus, Ohio	WBAV, WEAO.	Milwaukee, Wis.	WHAD
Cranston, R. I.	WDWF	Minneapolis, Minn.	WCCO
Dallas, Texas	WFAA	Mooseheart, Ill.	WJJD
Dartmouth, Mass.	WMAF	Newark, N. J.	WOR
Davenport, Iowa	WOC	New York, N. Y.	WEAF,
Denver, Colo.	KLZ, KOA, KFAF.	WEBJ, WFBH, WGBS, WHN, WJY, WJZ, WNYC.	
Des Moines, Iowa	WHO	Northfield, Minn.	KFMX,
Detroit, Mich.	KOP, WCX, WWJ.	WCAL.	
East Pittsburgh, Pa.	KDKA	Oakland, Calif.	KGO, KLX
Elgin, Ill.	WCEE, WTAS	Oak Park, Ill.	WTAY
Fayetteville, Ark.	KFMQ	Omaha, Nebr.	WAAW, WOAW
Forth Worth, Texas	WBAP	Orange, Texas	KFGX
Hartford, Conn.	WTIC	Parkersburg, Pa.	WQAA
Hastings, Nebr.	KFKX	Philadelphia, Pa.	WCAU,
Honolulu, Hawaii	KGU	WDAR, WFI, WIP, WOO.	
Hot Springs, Ark.	KTHS	Pittsburgh, Pa.	KQV, WCAE,
Houston, Texas	WEAY	WJAS.	
Iowa City, Iowa	WHAA	Portland, Oreg.	KGW
Ithaca, N. Y.	WEAI	Providence, R. I.	WJAR
Jefferson City, Mo.	WOS	Pullman, Wash.	KFAE
Kansas City, Mo.	WDAF, WHB, WOQ.	Richmond Hill, N. Y.	WAHG
La Crosse, Wis.	WABN	Rossville, N. Y.	WBBR
		St. Louis, Mo.	KFUO, KSD
		St. Petersburg, Fla.	WCBK, WSAG.
		Salt Lake City, Utah	KFPT
		San Antonio, Texas	WOAI
		San Francisco, Calif.	KPO

Schenectady, N. Y.	WGY	Trenton, N. J.	WOAX
Seattle, Wash.	KFOA, KTW	Troy, N. Y.	WHAZ
Shenandoah, Iowa	KFNF	University Place, Nebr.	WCAJ
Springfield, Mass.	WBZ	Urbana, Ill.	WRM
Stanford Univ., Calif.	KFGH	Valparaiso, Ind.	WRBC
State College, N. Mex.	KOB	Waco, Texas	WJAD
State College, Pa.	WPSC	Washington, D. C.	WCAP,
Stevens Point, Wis.	WDBL,	WRC.	
	WLBL.	Zion, Ill.	WCBD

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## WHAT CAN YOU TUNE IN WITH YOUR RADIO SET?

Can you start at the low point with it and tune in all the wave lengths up to 549? Try it with the list below which gives the allocation of wave lengths to stations of 500 watts or more. Stations with less than 500 watts power are not included in the list.

Wave Length	Station	Dial Setting No. 1	Dial Setting No. 2	Dial Setting No. 3
220	WQAA -----	-----	-----	-----
231	KFPR -----	-----	-----	-----
234	WIK -----	-----	-----	-----
236	KFCL -----	-----	-----	-----
240	WOAX -----	-----	-----	-----
244	WABN -----	-----	-----	-----
250	KFGX, WMAV, WTAY, KDPM	-----	-----	-----
254	WEAI -----	-----	-----	-----
258	WDBY -----	-----	-----	-----
261	WPSC, KFPT -----	-----	-----	-----
266	WBCN, KFNF, WMAK -----	-----	-----	-----
268	WEBW -----	-----	-----	-----
270	WBBF, WOI -----	-----	-----	-----
273	KFGH, WBBR, WEBJ, WFBH, WRM, KFKB -----	-----	-----	-----
275	KFKU, KQV, WFAV, WHA, WJAS, KFAU, KFMQ, WCAJ -----	-----	-----	-----

Wave	Length	Station	Dial Setting
			No. 1   No. 2   No. 3
278	KFSG, KOP, WCAU, WDBL, WLBL, WOQ, WORD, WRBC, WAAW	-----	-----
280	KKAF, WNAC	-----	-----
283	WOAN, KLZ	-----	-----
286	WREO, WCEE, WEMC, WKAR	-----	-----
288	KFKX	-----	-----
294	WEAO, WBAV, KJS	-----	-----
297	KFRU	-----	-----
300	WPG, KGO	-----	-----
303	WTAS, WJJD	-----	-----
306	WJAR	-----	-----
309	KDKA	-----	-----
316	WAHG, WGBS, KFDM	-----	-----
319	WGR	-----	-----
322	KOA	-----	-----
326	WMH, WSAI	-----	-----
330	KFAE	-----	-----
333	WBZ	-----	-----
337	KNX, WSAC, KFMX, WCAL	-----	-----
341	WKAQ, KSAC	-----	-----
345	WLS, WCBD	-----	-----
349	KOB, WTIC	-----	-----
353	WWJ, WJAD	-----	-----
360	KGU, KTW, WEAY, WMAF	-----	-----
361	WHN	-----	-----
366	WHB, WDAF	-----	-----
370	WEBH, WGN	-----	-----
375	KTHS	-----	-----
380	WGY, WHAZ	-----	-----
384	WMBF	-----	-----
389	WTAM, WEAR	-----	-----

Wave		Dial Setting		
Length	Station	No. 1	No. 2	No. 3
395	WFI, WDAR WOAI -----	-----	-----	-----
400	WHAS -----	-----	-----	-----
404	KHJ -----	-----	-----	-----
405	WOR, WJY -----	-----	-----	-----
416	WCCO -----	-----	-----	-----
422	WLW, WMH -----	-----	-----	-----
428	WSB -----	-----	-----	-----
430	KPO -----	-----	-----	-----
441	WDWF, WOS -----	-----	-----	-----
448	WQJ, WMAQ -----	-----	-----	-----
450	KFOA -----	-----	-----	-----
455	WJZ -----	-----	-----	-----
461	WCAE -----	-----	-----	-----
469	WCAP, WRC, KFI -----	-----	-----	-----
476	WEEI, WBAP, WFAA -----	-----	-----	-----
484	WHAA, WOC -----	-----	-----	-----
485	KGW -----	-----	-----	-----
492	WEAF -----	-----	-----	-----
500	WMC -----	-----	-----	-----
509	WOO, WIP -----	-----	-----	-----
510	KLX -----	-----	-----	-----
517	WCX -----	-----	-----	-----
526	WNYC, WHO, WOAW -----	-----	-----	-----
535	KYW, WHA -----	-----	-----	-----
545	KSD, KFUO -----	-----	-----	-----

According to Emile Berliner, the inventor of the gramophone, there was an argument between an Egyptian and an Assyrian as to whether or not the ancients knew as much about electricity as we do.

"We of Egypt did," said the Egyptian, "for when we opened up an old tomb there was found a copper wire which proved we of that day had electricity."

"That's nothing," retorted the Assyrian, "when we excavated an ancient city we found a palace and didn't find any wires, which proved that we of that day had radio."

## The Wave Length Tangle

The time has arrived when, apparently, the radio public itself must take a hand in the wave length problem which is causing so much vexation to the Department of Commerce.

The trouble lies in the fact that there are too many powerful broadcasting stations for the number of ether channels available for them. Under the reallocation plan adopted by the Third National Radio Conference there are 47 class B wave channels, in the band from 280 to 545 meters.

Applications are pending for, or licenses have been granted to 105 class B stations. Since the Secretary of Commerce has not the authority to refuse licenses to stations which meet the rather limited requirements, existing class B stations will either be required to divide time three ways or else channels outside of the class B band will have to be provided for the new applicants.

For several weeks the Radio Bureau experimented with the wave lengths of class B stations with the hope of being able to reduce the separation between stations from 10 to 9, 8 or 7 kilocycles thus creating new channels. It was soon evident that increase interference would result from such a policy and the experiments were abandoned.

If most of the receiving sets now in use would tune in wave lengths below 250 meters, the solution of the problem would be easy. After filling up the band from 280 to 545 meters, the Department of Commerce could assign to new stations the band from 250 to 280 meters which is now occupied by class A stations.

If most sets would work below 250 meters there could be no objection to the class A stations making such a change. Naturally at present the class A stations object very much to being assigned a wave length that cannot readily be tuned in.

Obviously, one of two things must be done. There must either be a limitation of stations or else manufacturers of radio sets must be compelled to produce receivers capable of tuning as low as 200 meters.

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Charles M. Schwab, noted after dinner speaker, created considerable merriment addressing the Pennsylvania Society in New York by asking old friends assembled if they hadn't noticed quite a difference in the stories he told before and since broadcasting had become part of dinner programs.

## New Amateur Regulations

New regulations for amateurs which are designed to eliminate interference from that source while at the same time allow them maximum privileges, have been announced by the Department of Commerce. The new regulations, in substance, follow:

**Spark Transmitters:** Amateur spark transmitters produce considerable interference and consequently are responsible for many complaints. Amateur owners of such transmitters should abandon their use as early as possible and adopt the system producing less interference. Until such change is made they will be permitted in the wave length band between 170 and 180 meters and should have a decrement not exceeding .1.

**Quiet Hours:** Amateur stations when using wave lengths between 150 and 200 meters are required to observe a silent period from 8 to 10:30 p. m. daily, Standard Time, and on Sundays while church services are being broadcast. Such stations, when using wave lengths below 85 meters and have a pure continuous wave or where a full wave rectification is employed, are not required to observe a silent period, providing no interference is caused other services.

**Wave Lengths:** 150 to 200 meters, 75 to 85.7 meters, 37.5 to 42.8 meters, 18.7 to 21.4 meters and 4.69 to 5.25 meters are allocated to amateur stations.

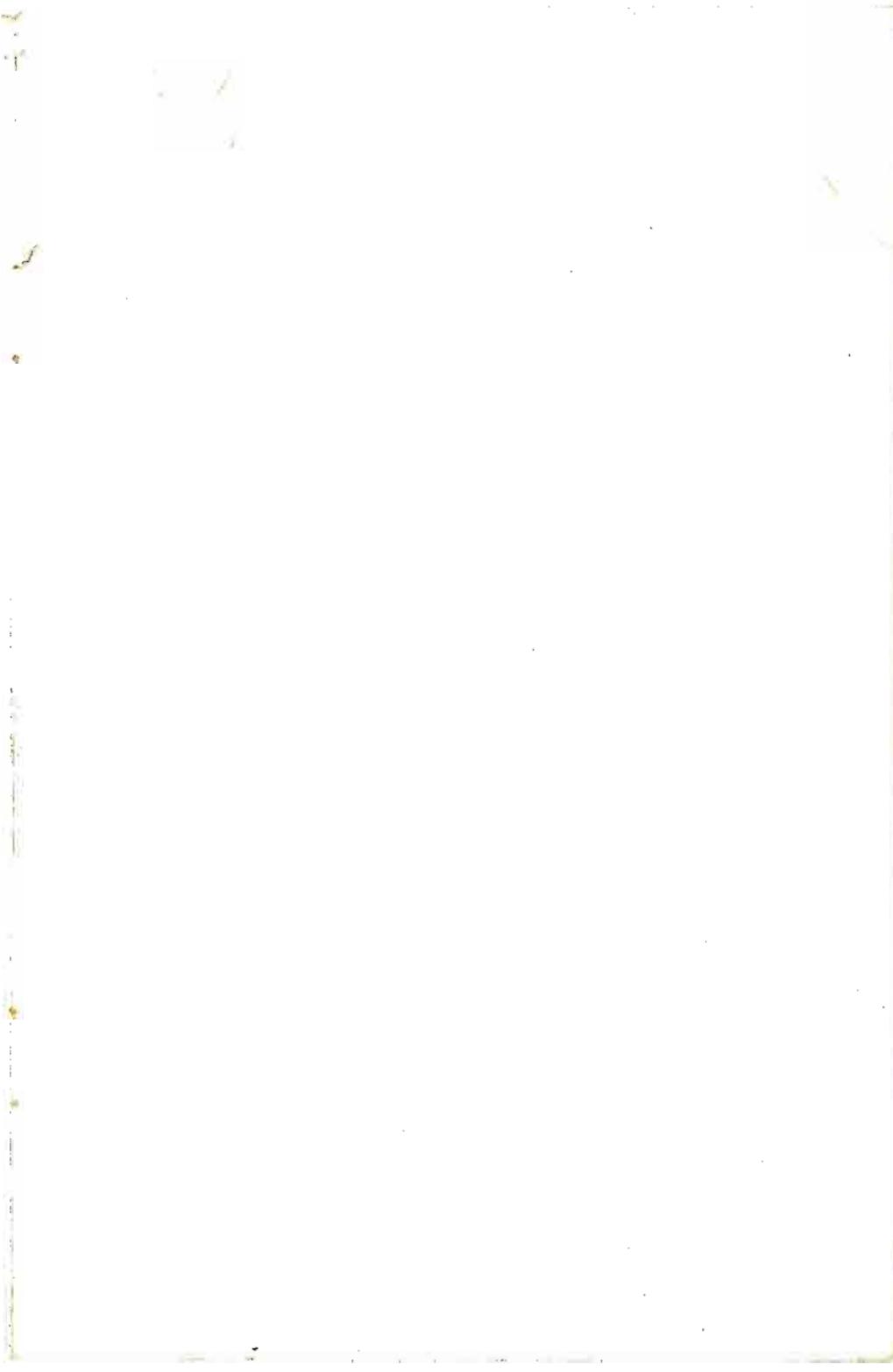
**CW Transmitters:** Continuous Wave transmitters are permitted in all amateur wave length bands.

**Phone and ICW Transmitters:** Phone and interrupted continuous wave transmitters are permitted in the band from 170 to 180 meters.

**Coupled Circuits:** Amateur stations must use circuits loosely coupled to the radiating system, or devices that will produce equivalent effects to minimize key impacts, harmonics and plate supply modulations, except in cases where loops are used as radiators. Conductive coupling, even though loose, is not permitted.

Amateur stations are not permitted to communicate with commercial or government stations without authorization of the Secretary of Commerce except in case of emergency or for testing purposes. This does not apply to communication with small pleasure craft.

The privilege of using the wave lengths from 105 to 110 meters is withdrawn.



Sugar	$1\frac{1}{2}$ cups	Cake
Flour	$2\frac{1}{2}$	
B. Powder	$2\frac{1}{2}$	
Butter	$\frac{1}{2}$ cup melted	
Eggs	2 -	

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$1\frac{1}{2}$ cups	sugar
$\frac{1}{2}$ cup	butter
$\frac{1}{2}$ cup	cold coffee
1 egg	or weak boiled
1 cup	flour
$\frac{1}{4}$ cup	aniseed
$\frac{1}{4}$ cup	flour
2 eggs	