

THE MARCH 1929 EDITION

RADIO INDEX

"THE TUNING BOOK"



Who Will Buy ?

RADEX shows the frequency to which set is tuned as dials are turned, gives exact location of dials for any station in America and identifies programs received without announcement. For any dial and any set.

Use Your RADEX Properly

AND it will add tremendously to your pleasure and success in tuning your radio set. RADEX is so simple a child can use it and yet we find that many people are not using it properly. If you will follow these simple directions, RADEX will do for you the following things:

Show you the wave length and frequency to which your set is tuned whenever you place your dials.

Tell you where to set your dials for any station in America, even those you have never received.

Identify programs received the instant you hear them without waiting for announcements.

All stations in America are listed in RADEX in three tables:

- 1st By Frequencies
- 2nd By Call Letters
- 3rd By States and Cities

The Index by Frequencies is the one to be used, the other two are merely supplementary.

Let us assume you have just bought your first RADEX. Proceed as follows:

Tune in some station — any station that comes in. Tune it sharply, turning down your rheostats (volume control) until we find the marks on your dials at which it comes in most clearly and with greatest volume.

Let us assume that the station we are hearing is WEAF in New York. First we must ascertain the frequency for this station. Look it up under WEAF in the Index by Call Letters or under New York in the Index by States and Cities. In either of these indexes we find that the frequency of WEAF is 660. Now we turn to 660 kilocycles in the Index by Frequencies and Dial Numbers. Here we find that WEAF is one of the two stations which have been assigned the 660 kcys. frequency by the Federal Radio Commission. We also find that it has a power of 50,000 watts, that it is located in New York City and is owned by the National Broadcasting Co., Inc.

INDEX BY FREQUENCIES AND DIAL NUMBERS

590 kilocycles 508.2 meters

| | | |
|------|------|---------------------|
| KHO | 1000 | Spokane, Wash |
| WLJL | 500 | Lisbon, Me |
| WFI | 500 | Burton, N. Car |
| WYAC | 1000 | Greenville, S. Car |
| WZMC | 1000 | Brick Springs, Mich |

| | |
|----|----|
| 76 | 74 |
|----|----|

Louis Wagner Inc
Nicholas Wadman University
Wilson Elec Illuminating Co
Woodmen of the World
Emmanuel Missionary College

600 kilocycles 499.7 meters

| | | |
|------|-----|------------------|
| CFCH | 250 | Fresno, Pa |
| KFBU | 500 | L. v. mt. N. Y. |
| WFLD | 500 | San Diego, Calif |
| WLAG | 7-0 | Bilmer, Md |
| WELW | 7-0 | Blaine, Wis |
| WVAN | 500 | Loveland, Tenn |
| WVIC | 500 | Memphis, Tenn |
| WVIC | 250 | Hartford, Conn |

| | |
|----|----|
| 75 | 73 |
|----|----|

Abtini Power & Paper Co.
Bishop N. S. Thomas
Aetna Radio Corp
Monuments of Radio Co., Inc.
Ishii College
Vauden School of Music
W. R. K., Inc
Travelers Insurance Co

610 kilocycles 491.5 meters

| | | |
|-------------|------|-----------------------|
| N. F. R. C. | 1000 | San Francisco, Calif. |
| W. D. F. | 1000 | Kansas City, Mo. |
| W. F. A. N. | 500 | Philadelphia, Pa. |
| W. G. O. | 1000 | Philadelphia, Pa. |
| W. G. O. | 1000 | Kansas City, Mo. |

| | |
|----|----|
| 74 | 72 |
|----|----|

Don Lee Inc
Kansas City Star Co
Kavanaugh Broadcasting Co., Inc
L. H. B. Inc
Unity School of Christianity

620 kilocycles 483.6 meters

| | | |
|-------------|------|-------------------|
| K. F. A. D. | 500 | Phonix, Ariz |
| N. W. | 1000 | Portland, Ore. |
| W. F. A. N. | 500 | Tulsa, Okla |
| W. H. R. D. | 1000 | Orlando, Fla |
| W. M. S. C. | 500 | Providence, R. I. |
| W. T. N. J. | 1000 | St. Luke, Wis |

| | |
|----|----|
| 73 | 71 |
|----|----|

Electrical Equipment Co
Grafton Publishing Co
L. J. P. Publishing Co
Bullfinch Radio Inc
Thomson E. C. Co
Minn. Juice Journal

630 kilocycles 475.9 meters

| | | |
|-------------|-----|--------------------|
| CFP | 500 | St. Louis, Mo |
| CGS | 500 | St. Louis, Mo |
| CSMA | 500 | St. Louis, Mo |
| CR | 250 | St. Louis, Mo |
| CR | 250 | St. Louis, Mo |
| CR | 250 | St. Louis, Mo |
| W. M. A. L. | 250 | Washington, D. C. |
| W. S. | 500 | J. R. Van City, Mo |

| | |
|----|----|
| 72 | 70 |
|----|----|

Veterin Broadcasting Assn
Whitney & Co
Carnegie National Hallways
Castro Lamas
Simpsons College
Finnway, on the Air, Inc
M. A. L. Co
State Marketing Bureau

640 kilocycles 468.5 meters

| | | |
|----------|-----|---------------------|
| K. F. I. | 500 | Los Angeles, Calif. |
| W. A. U. | 500 | Columbus, Ohio |

| | |
|----|----|
| 71 | 69 |
|----|----|

Farle C. Anthony, Inc
American Insur. Inc

650 kilocycles 461.3 meters

| | | |
|----------|-----|------------------|
| W. S. M. | 500 | Nashville, Tenn. |
|----------|-----|------------------|

| | |
|----|----|
| 70 | 68 |
|----|----|

National Lic. & Accident Ins. Co

660 kilocycles 454.3 meters

| | | |
|-------------|-----|---------------|
| W. A. W. | 500 | Omaha, Neb. |
| W. E. A. F. | 500 | New York City |

| | |
|----|----|
| 69 | 67 |
|----|----|

Omaha Grain Exchange
Nation of Broadcasting Co., Inc

670 kilocycles 447.5 meters

| | | |
|-------------|-----|---------------|
| W. M. A. O. | 500 | Chicago, Ill. |
|-------------|-----|---------------|

| | |
|----|----|
| 68 | 66 |
|----|----|

Chit. Age Daily News Inc

680 kilocycles 440.9 meters

| | | |
|-------------|-----|---------------------|
| K. F. O. | 500 | San Francisco, Cal. |
| W. E. F. F. | 500 | Baltimore, Md. |

| | |
|----|----|
| 67 | 65 |
|----|----|

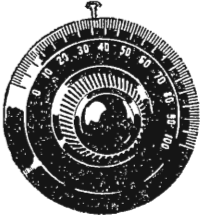
Hale Bros. & The Chronicle
Jerburn Life Insurance Co

In the blanks for dial numbers opposite 660 kilocycles (which is the wave length of 454.3 meters) enter the dial readings of your set. It is immaterial whether your set has one, two or three dials. Use as many of the three spaces provided as you need. The set used in the illustration had two dials. In this case we entered the dial readings for 660 kilocycles as 69-67.

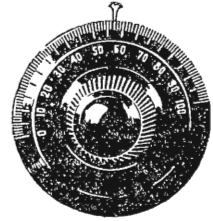
Let us now tune in some other station. We repeat the same procedure in tuning and find that we are hearing, let us say, WOS at Jefferson City. Proceed as before in ascertaining the frequency of WOS. This we find to be 630 kcys. We turn to 630 in the Index by Frequencies and enter our dial readings for this band which on the set we are using was 72-70.

We have now found that the dial numbers for 630 kcys. are 72-70 and the dial numbers for 660 kcys. are 69-67. If we now will set our dials for 70-68 it is obvious we will have our set tuned for 630 kcys. We listen carefully and if they are on the air and within range of our set we will tune in WSM of Nashville at this point. We then enter the dial readings for WSM opposite 650 kcys. Now it is clear that if we reset our dials at

PHI 16, 17



RADIO INDEX



F. C. BUTLER, Editor

FIFTH YEAR

Contents

NUMBER 27

| | PAGE |
|---|------|
| Frontispiece—Who Will Buy? | |
| The Question Box, by S. E. Shapiro | 2 |
| Fixing up Trouble | |
| When Your Set Goes Wrong, by E. R. Haan | 3 |
| With Charts for Diagnosing | |
| Neighborhood Noises | 4 |
| Sleuthing for Interference | |
| Dead or Alive, by Elizabeth S. Hickey | 5 |
| A Drama in Which Radio Plays a Part | |
| Our Mail Box | 6 |
| Some Letters to the Editor | |
| Conversion Tables | 18 |
| Turning Wave Lengths into Frequencies | |
| A Complete Index by Frequencies | 18 |
| Cross-Index by Dial Numbers and Wave Lengths | |
| A Complete Index by Call Letters | 36 |
| A Log for 750 Stations | |
| A Complete Index by States and Cities | 49 |
| With Key to Location of Station on Broadcasting Map | |
| What's on the Air Tonight | 57 |
| A Weekly Calendar of Chain Programs | |
| Table of Air-line Distances | 32 |
| Radio Map of the U. S. A. | 34 |

One Dollar the Year — Six Issues

Published Monthly, October to March

THE RADEX PRESS

P. O. Box 143

Cleveland, Ohio

Copyright 1929 by F. C. Butler. Printed in U. S. A.

THE QUESTION BOX

Conducted by S. E. Shapiro
Technical Editor of RADEX

MY RADIO set is a type that uses a UX 171 Power Tube. Would there be any advantage if I changed it to a UX 171-A Power Tube?

The only advantage you would derive would be less A Battery consumption. The 171-A will not deliver more volume than the 171, nor will it last any longer or give better tone quality. In actual figures the new 171-A uses approximately half of the power a 171 does.

I have a new AC set. The efficiency of this set has dropped considerably during the last week or so. I feel that my tubes are not giving the proper output. How can I make sure that they need replacing?

If your set has slowly given up its sensitivity to weak signals; if it no longer reproduces low notes or receives DX signals on a good night when your next door neighbor is getting distant stations, it would be advisable to have your tubes tested. When the quality seems bad and the amplifier overloads easily, look for bad power tube. In this case the filament of the power tube has been over loaded so that it no longer has sufficient electrons to handle low or loud notes. Any reputable dealer can test your tubes.

I purchased a radio receiving set in September and since that time have had to replace three tubes. This set has RCA Tubes. What can be the trouble? Also advise what kind of out-door Antenna is the best for distance with less static.

The burning out of tubes is probably due to a high line voltage or an excess of voltage from your power supply to the filament. Have both of these lines tested. We find a 50 foot aerial most efficient although a longer aerial will

give more distance but will it also amplify your interference. We would suggest you install both a long and a short aerial so that you can change as conditions permit.

I have a 7 tube electric set with Dynamic speaker and am troubled with a sort of hum and rattle connected with it. I have had two sets of the same make and still get this. Is it possible that a line noise through the power supply would cause this?

Your trouble in the Dynamic speaker is not an unusual one. Remember that Dynamic speakers are very sensitive and will amplify any electrical disturbance. This causes us to believe that your trouble may be due to a line noise. Should this not be the trouble, your speaker is possibly out of adjustment.

Just a few words in regard to my radio set, which is a 5 tube Sonora Model-C. I have had this set about three years and always have had good reception with same, but for the last two months the tone of same has changed from a mellow tone to a high pitch tone, which does not sound so good. I have been told to try some other brand of tubes but I am not sure it would be safe, so I am asking your advice and I would appreciate it very much if you would help me out. I am using four tubes CX301-A, and CX-112-A as a detector. What I would like to know is if it would be safe to use the UX-240 tube as a detector for better tone, or any other one which you may know of.

Your question undoubtedly, leads to a long discussion as to where your trouble may lie. If your set is 3 years old it is possible that your tubes may be low although they seem to light as bright as ever. Then, your loud speaker too you must bear in mind. It is not uncommon for a speaker to lose its

(Continued on page 9)

ratings
 winding furnace, the
 winding machines,
 and warmers,
 here.

NOISES

for Trouble

ALPH HAAN

CAUSE

Worn-out batteries.
 Disconnected or open-circuited B-supply leads.
 Defective or poorly adjusted B-eliminator.
 Internally open-circuited B-battery.
 Breakdown in eliminator—usually a condenser, or a resistor.
 Lack of A. C. supply for eliminator.
 Open circuit in grid or plate leads.
 Defective transformers or resistors.
 Reversed C-battery.
 Break in loudspeaker cord.
 Defective loudspeaker plug or jack.
 Open-circuited winding of loudspeaker.
 Loudspeaker diaphragm adjusted too tight.

THE
 both of
 back copies

ve either or
 s may secure
 each.

TOTAL INAUDIBILITY

SYMPTOM

Click heard but no signal comes in when loudspeaker is plugged in.

CAUSE

Aerial or lead-in open-circuited.
 Aerial grounded.
 Aerial and ground disconnected.
 Faulty and ineffective ground.
 Use of loop-designed receiver on outside aerial or vice versa.
 Primary and secondary windings of tuning coil short-circuited.
 Broken "pigtail" connection on variable inductance or condenser.
 Defects in radio-frequency stages.
 Short-circuited or open-circuited grid condenser.
 One or more internally open-circuited tubes.
 Improper contact of one or more tubes in sockets.
 Static blanket.
 Dead spot.
 Shielding effect of steel structure.
 Loose connection or high-resistance joint.

SYMPTOM

No click heard when loudspeaker is plugged in although all tubes light.

SYMPTOM

All tubes fail to light.

CAUSE

Discharged storage battery.
 Worn-out or broken-down storage battery.
 Discharged dry-cell A-battery.
 Defective A-eliminator.
 Disconnected or open-circuited A-supply leads.
 Too small wire used for A-supply leads causing high resistance.
 Burned-out tubes.
 Loose socket prongs not touching tube tips.
 Defective filament switch.
 Open-circuited filament wiring in receiver.

SYMPTOM

Some tubes fail to light.

CAUSE

Open-circuited rheostat or ballast.
 Some burned-out tubes.
 Loose socket prongs.
 Part of wiring open-circuited.

(Continued on page 14)

THERE is no more exasperating thing about a radio than when there comes crashing into the program that rending, tearing, roaring disturbance that completely drowns out the loudest jazz band. (Personally we think one is just about as bad as the other). George W. Leasure, of Zanesville, Ohio, writes us of such a noise in his set. "At times I get a crackling noise like the tearing of a piece of heavy canvas." Faced with the fact that such a noise almost completely destroys one's pleasure with radio, it becomes of the greatest importance to try to eliminate it. This means hard work for someone but the end is well worth the trouble.

First let us make sure the noise is from outside the set. This is demonstrated of course by the mere expedient of disconnecting the antenna from the set. If the noise stops, it comes from outside; if it continues, it is from within. In the latter case our task is simple; we should merely follow the instructions in the article by E. R. Hahn in this and preceding issues of RADEX. But we are here considering the disturbance from without.

Next let us ascertain from our neighbors if they, too, are troubled in the same way. Have them as well as yourself note the exact time at which the noise starts and ceases some particular evening (for these noises are almost always intermittent). Compare your log of noise with that of your neighbors. Of course if your neighbors do not get the noise, the trouble is still around your set. Something may be touching your aerial or the lighting arrester may be faulty or your antenna may be too near to a power line or even to a telephone line or another aerial. You may find the trouble in some electrical device in your own home—the motor in the

refrigerator or oil-burner, the battery-charger, the set, the percolator or even the bell. Your log of noise will help you.

If, however, as is more probable, the noise annoys the neighborhood, then there is nothing to do but to go sleuthing. For this you will need a portable set with a loop. Put this in a car and drive around the neighborhood, carefully noting from the position of the loop, the point from which the maximum interference comes. Gradually you can reduce the radius of your circle and locate the immediate vicinity in which the noise is greatest. Your power company will undoubtedly help you for if, as is often found, the cause is a faulty insulator or a tree limb brushing against an uninsulated wire, then the company loses current every time the noise is on.

Use your noise-log in ascertaining if there is any electrical device used in the vicinity at times that correspond to your log. Now all of this is going to take work but by calling a meeting of the radio users in your locality, the work can be divided and the disturbance gradually run down. And as we said before the end certainly repays all the work and trouble. An extreme case is cited in a letter from Mrs. Neil E. Mott, of Bellevue, Ohio, who writes: "I am a reader and user of your publication and like it so much. I am writing to ask whether you can help out everyone in in this district with the interference we receive on all electric radio sets. I own a Crosley Showbox but whatever it is affects any kind of set. There is such a terrible buzzing noise, that when it is on, it cuts off every station on the dial.

We have had the Power Company try to locate the trouble and they have

(Continued on page 64)

DEAD OR ALIVE

Radio Plays a Role in a Real Drama

By ELIZABETH S. HICKEY

MARY waved a final goodbye to her father and mother as they drove away in the family "flivver," then turned and went into the kitchen of the spacious old farmhouse. She took her long apron down from the hook, slipped it over her head and gave an appraising glance at the heap of dishes awaiting her in the sink. But first she held out the long apron in a grand dame manner and walked daintly over to the radio and turned the switch. Music came in instantly from the broadcasting station some forty miles away. Keeping time to it prettily she waltzed back and forth across the long kitchen in what she deemed the stately style of ages bygone. For Mary had recently played the stellar role in a revival of "Lady Audrey's Secret" with the high-school players and she was apt to lapse back into the nineteenth century upon the slightest provocation. A dainty lady of the realm she made with her regular features, her dark brown hair and eyes which always had a sort of glow in them.

Finally with a reproachful glance at the clock, she waltzed over to the sink and began her morning task. The radio changed to a song and Mary chimed in with her sweet soprano voice and the dishes rapidly achieved their virgin whiteness. So engrossed was she in the music and in her work, that she jumped quickly when a sharp rap was given at the screen-door. She went to the door but before she could reach it, it was opened from without and a man entered. He was not only a person she did not know but her quick glance showed her that he was a man she did not wish to know. Her first reaction was anger at the intrusion.

"How dare you come into this house?" she demanded.

"I want something to eat," growled the stranger.

"Well, stay out on the porch and I will bring you something," the girl replied, deciding that compliance was the better course.

"I'll sit right here," said the man truculently, pulling out a chair at the table. Mary looked at him angrily but again she decided to keep the peace and without a further look in his direction, she prepared some food from the cupboard and placed it before him. The man eyed her sulkily watching every movement the girl made. He continued to do this even while he gulped down great mouthfuls of the food.

Mary's mind went over her situation rapidly. She was entirely alone; the nearest neighbors were half a mile away. She thought of the telephone which hung on the kitchen wall but decided it would be of little help for the man would never let her use it. She would feed him well, she decided, and perhaps he would then leave. So she brought forth the best the house permitted and it was a great deal. The man ate on seemingly never to be surfeited.

The girl decided upon a ruse and she walked to the outer door, the man watching her every step with the intentness of a cruel cat playing with a helpless mouse. The girl opened the door and called "Father." An evil grin came out upon the sullen countenance of the stranger.

"Do you think he can hear you?" he sneered.

It was plain that he knew the girl's parents were away and so Mary fell

(Continued on page 11)

OUR MAIL BOX

Letters to the Editor

RAY SCHEIB, 6456 Ellis Ave., Chicago, is our first correspondent this month. He writes "I'm glad I received this expiration notice from you as I would sure miss my RADEX and most of the fun of DX without it."

And speaking of DX, John J. A. Connors, 39 Sherman Place, Jersey City, writes: "Being an ardent DX fan I have bought almost every radio log on the market and found they were incomplete. Mr. Paul Godley of Station WAAM of Newark each Sunday morning rebroadcasts distant stations and gives their data on wavelengths and kilocycles. I was surprised at the rapidity with which he gave the call letters and locations of the stations. I got in touch with him and he told me that he used the RADEX log, so I am enclosing 25 cents for an issue."

We have received a large number of requests for RADEX stating they had learned of RADEX through an announcement by Station WAAM. That several dozen people would take down an address and send away to a distant point in this way indicates two things: first, the general need for such a book as RADEX and, second, the value of station WAAM as an advertising medium. Our thanks to you, friend WAAM.

MEXICAN STATIONS

From San Antonio, Texas, Chas. E. Whitney writes: "RADEX is my reliance in my pleasure which is DX-ing. But there are many in the southwest who find little help in getting Mexican stations as some have changed call letters and some wavelengths. Can't you give us a correct list of Mexican stations? Hundreds of us would appreciate it as some of these stations do not announce in English."

We find it most difficult to keep our Mexican stations (and this applies to Cuba also) up to the minute. There does not seem to be much if any governmental control of radio in those two countries hence no one place where we can check our lists. We are forced to rely on such data as we can get from our own government at Washington.

But, wait, here is a letter from Mexico—from A. Verastegui at Tampico—who writes "Yesterday I was lucky enough to get a copy of RADEX. This small magazine gives more useful information than any other I have seen." Perhaps our good friend in Tampico (or some of our other subscribers in Mexico) will help us in this difficulty. If he will secure for us an up-to-date list of Mexican stations with call letters, wavelength or frequency, name of owner and power, we will certainly appreciate it and so will the hundreds of listeners in our southwest to whom Mr. Whitney refers.

WHERE IS PWX?

Several friends of RADEX write us of the trouble they have had trying to locate PWX at Havana in any one spot. It seems this station has been sampling various places in the ether this winter trying to find one where they can get through the barrage. Mr. G. W. U. Phillips of Bound Brook, N. J., sends us a printed announcement from PWX stating they are now CMC with a frequency of 840 kilocycles instead of 750. The change is being made in this issue of RADEX. Mr. Phillips also gives us correct data on 6 KW at Tuinucu, Cuba.

Claude Chapman of Seminole, Okla., also writes of his chasing PWX all over his dials until he finally called on us for help. Readers must remember that PWX—pardon, CMC—is not under our

Radio Commission and hence is free to shift about as it desires. Let's hope they will stay put on 840 although they surely will get all tangled up with KWKH, Shreveport, on 850 and with HHK, Haiti, on 830. Mr. Chapman adds this postscript to his letter: "By the way, RADEX is great. It has helped me to get 123 stations and getting one or two more every day." Let's all move to Oklahoma.

Next is a letter from a sailor who is going to have a RADEX in every port. Mr. Harold D. Johnson of the U. S. Fleet Naval Reserve, stationed at Woodford, Maine, writes: "I have had a great variety of so-called log-books in the past five years but the most practical publication I have yet found is your RADEX. It covers the entire band of wavelengths in such a variety of ways that everyone should welcome it as a part of their radio set."

Then one from a railroad man—Mr. A. M. Mitchell with the C. & O. Ry. at Charleston, W. Va.—"I consider myself fortunate in picking up your December RADEX and thus learning what assistance a REAL radio log is to a fan. I told several friends of this valuable book and the newsdealer had to reorder to satisfy everyone." Maybe you think letters like this don't brighten up an editor's day!

And here is a friend who says it with subscriptions: "I want my best friends to have the best Radio Tuning Book so I am enclosing three one-year subscriptions to your magazine." This was from William McDade at Selbyville, W. Va. Many thanks, Mr. McDade.

The City Clerk at Toulon, Ill., Mr. Claude L. White puts this in his order: "This is the finest thing of the kind I've ever seen and I want these copies for friends who have seen mine." You know how the rings spread out from pebbles thrown in the water, well each copy of RADEX seems to be a pebble all its own.

Here is one from away up in Saskatchewan, from J. O. Girouard with The Pas Lumber Co. at Nipawin: "Being a subscriber to your most useful Radio Index, which renders tuning so easy for everyone, I am wondering if you also publish a short-wave index which would be of great help to me, just starting using a low-wave adapter."

We will answer this inquiry together with a similar one from Mrs. F. E. Geathard, 217 West 21st Avenue, Spokane, Washington, who writes: "I desire to express to you the satisfaction your publication has given me the past year. But *why* don't you give at least once a year a list of the foreign stations? We DX fans have to also buy another book for the stations you do not give us for the South American, Japanese, Australian and other stations we receive, when we go fishing." If Mrs. Geathard refers to stations in the broadcast band, there are enough in the countries she names not to mention those to the east, to fill half of RADEX. We are certain that the number of our friends who can get any of these stations must be very, very small and we do not feel that we should take several pages of other material away from the great majority to help so few. For Mrs. Geathard must remember that if she gets these stations in the broadcasting band, she is a very lucky person. If we were to get even one of them here in the "eastern middle west" we think we would brag about it more than we would of a hole-in-one at golf.

If, however, both of the above subscribers refer to the short-wave stations, we have to confess our inability so far to get really authentic lists of such stations in other countries. It is hard enough right here in the United States due to the fact that short-wave broadcasting is still in swaddling-clothes. Then, too, they are not arranged in steps by kilo-

cycles as are our broadcasting stations and hence we could not use the RADEX system of tuning with them. But we shall keep this matter always in mind and hope some day to provide a service that will satisfy in this regard.

WHO IS WHO?

Alfred H. Taylor, of Bywood, Upper Darby, Penna., wants to know where and who WWO is as he finds it, as do many others, messing up their signals. WWO is not a broadcasting station in the common use of the term although it does broadcast in the regular band. This is a station located at the big Cleveland Airport which broadcasts for a few minutes at intervals each day, the weather and landing conditions for our flyers. When they trouble you, be patient for a few minutes and remember those brave fellows away off up there in the clouds who are listening so eagerly for this information that may mean life or death to them. We mustn't forget that radio is something for more than a means for our pleasure and information.

Horace Ware of 219 Poinciana Drive, Birmingham, Ala., writes: "I am delighted with the leatherette cover for RADEX which I have just received. I wanted my subscription to begin with the February number but you sent an old October copy in the cover." We have received several such complaints and we want to say to all who are ordering those beautiful blue and gold covers that where there is no copy of RADEX due to go with the cover, we always put in an old one. There are three reasons: first, due to a peculiarity in postal rates, a cover with a book goes cheaper than a cover alone (try to figure that out!); second, a book protects the cover from being bent in the mails; third, we fold the cover of the old book to show you how to insert it into the pockets in the leatherette cover. So when you get an old book you did not order, remember we aren't charging it to your subscription.

A GOOD IDEA

From Eastland, Texas, A. D. Caldwell sends us the suggestion that the Index by Locations also show the power. His reason is "if one is attempting to get a station in Mexico City, when looking at this index they, at the same time, may see the size of the various stations so they may know without looking further which stations they have the greatest possibility of tuning in." This suggestion has much merit and we will consider it carefully to see if it can be carried out without making it necessary to give more space to this index.

Another friend from the far South is Juan Prieto-Quemper of 3825 Trowbridge St., El Paso, Texas, who writes: "I am very fond of RADEX which I buy every time it is issued. I am also very proud of my Brunswick Super-heterodyne 9-tube, with which I have been able in two months to log 149 stations in the U. S. and Mexico. Practically all of the Pacific Coast stations have been heard and also many of the eastern ones, including Philadelphia, Baltimore, Buffalo, Atlantic City, Newark and others." Some record for RADEX and Brunswick.

One more letter and we will close Our Mail Box for this month. This is from C. K. Shepard, 134 Geneva Ave., Elmhurst, Ill.: "We are unable to get RADEX here. There are only a few come to the news stands here and one almost has to fight to obtain a copy. The magazine racks are full of all the other logs but the RADEX melt like snow in August immediately upon appearance. I can't say too much for your RADEX."

FREE
A Leatherette Cover
for your Radex

See Page 35

QUESTION BOX

(Continued from page 2)

magnetism slightly or completely. This would change your tone considerably. I would also call special attention to your 112-A tube. Have that tested and also test your grid leak. You can use a UX240 tube as a detector but you will have to experiment with your plate voltage on this particular tube; that is, try as many different voltages as you can and listen for the one that gives most clarity and tone quality.

I would also like to know just what kind of acid to use in my Storage A6 Volt Battery which I have filled with Distillata water to keep the Plates covered as I charged the battery myself but never put any acid in.

Under no circumstances put any acid in your battery. Merely keep the plates covered with distilled water. If you should still have trouble keeping it up, take it to a competent battery man in your neighborhood.

I am constantly bothered with crackling noise in my radio. I am sure this is not due to static completely. What other trouble could there be?

Disregarding static as an interference, these noises may come from loose connections that are soldered, screwed or bolted. Go over your wiring system and look for such ailment. Cold soldered joints usually make bad connections, the soldering flux acting in this case as an insulation.

My set has suddenly lost its tone quality. By that I mean that it does not reproduce notes with usual quality. The high and low notes are also very much distorted.

Let us assume that we have already tested the loud speaker and found it efficient. The most probable cause for trouble would lie in the audio frequency transformers. This does not necessarily mean that your transformers are dead. They may be too high a ratio. The most common trouble experienced with transformers is burnt out windings. In that case it is best to replace them.

What is the approximate consumption of the average AC Radio Set?

Our laboratory engineer after making a test on twelve of the leading AC sets Manufacturers today has come to the conclusion that the average electric set will not consume any more than a 60 Watt bulb. Therefore we can readily make claim by authentic figuring that you can operate your radio for three hours each evening at the cost of 1 cent per evening or 30 cents per month increase on your present electric light bill.

I suppose my question will be considered a frequent one with you, but however, which course would you pursue in getting stations around 200 meters?

Your question is quite a frequent one, but this may solve your trouble. Remove about five to ten windings on your secondary coils of the radio frequency and tuning transformers, or use a smaller capacity tuning condenser. With many sets this is quite an easy adjustment, but on new sets it is most practical to let an experienced radio man do your job.

My radio set has given me almost more than I could expect, but still there is one condition that I would like to clear up. That is, "what is it that causes Station KDKA Pittsburgh to fade?"

Your question is as yet unanswerable. Station KDKA has spent thousands of dollars trying to discover and eliminate this condition. The trouble is not with your receiver. It is an atmospherical or geological trouble.

What advantage would I gain by using a 250 tube in place of my regular power tube?

All that you can expect from this change would be greater volume and more clarity. The 250 tube will not increase your distance capacity. It was manufactured for the sole purpose of delivering greater volume, with less distortion.

My radio which is a new AC set has developed what I would call distemper. By that I mean the slightest jar or vibration

made near the radio set comes through the speaker. This is terribly annoying. Is this caused by microphonic tubes?

Yes, your trouble is undoubtedly due to microphonic tubes. This is caused by a poorly constructed tube. It is advisable that you have these tubes exchanged as there is a compensation allowed on such tubes.

On what low wave meter does 8XAL broadcast?

8XAL the experimental station of WLW uses a low wavelength of 52.05 meters, and 500 Watts.

I have a Stewart-Warner AC 8 Tube Radio Set. I hear a lot of crackling and buzzing through my speaker. Sometimes, it goes as far as to completely eliminate the program. In this case, I tap the side of the set and the program usually starts. When it doesn't I have to shut off my switch, and turn it on again. Is the trouble in the set or the Speaker?

After careful consideration, we are quite sure that your trouble is in your set. It may be due to any of the following:

- (1) A loose connection.
- (2) A short in one of your tubes.
- (3) Or a short in the circuit.

We have a 5 tube battery set with an A-Eliminator. What would cause our reception to fade every time a switch is turned on in the house, for example the switch on our electric water pump. All of our tubes are new. Now, here is another. What harm or good is there in having two fifty-foot aerials parallel to each other, instead of having one 100 foot aerial. Would it bring in more noise? We have plenty of it now.

The reason for the fading when you turn on another switch in the house, is because you are drawing more voltage from your house line. A motor turned on would therefore drop the volume considerably, because, it draws more voltage and amperage than an electric bulb. As to your aerial, I would not advise the use of two 50 foot lines. Especially when you are receiving plenty of noise now. If your noise is very bad, I would advise cutting your aerial down to about 50 or 75 feet.

I have a Crosley Showbox and have trouble getting stations under 215 Meters. Do you think a short wave convertor would help the set any by tuning sharper, also, do you think it would be satisfactory for DX?

You are probably one of a few million people who are having a great deal of trouble in tuning in stations around the 200 meter band. The best suggestion would be to stand by until further developments. I suppose you know of the trouble that is now brewing between a few broadcasting stations and Radio Commission. Regarding a short wave adapter, I would say No. They are made for stations between 20 and 100 meters.

Who was the earliest experimenter in Radio?

Your question is quite an interesting one and also a very much discussed one. Probably, the first or one of the first experimenters, was Heinrich Hertz, a German Scientist, who based his experiments on the former theories of James Maxwell. In 1887 Hertz succeeded in actually sending radio waves. Here is just how he did the almost unknown. His receiving set consisted of a small spiral of wire with a gap in it. When he sent his radio waves, a spark would jump across the gap. Little did the professor then realize what his experiment would lead to. Here the story ends; but we could go on indefinitely and tell of Marconi, De Forest, Cunningham, Armstrong, and many more, who have helped to make radio what it is.

Quite recently I have purchased an AC set with a Dynamic speaker. This combination worked beautifully until my speaker suddenly lost its clarity and then stopped completely. Is this a common trouble with Dynamic Speakers?

Your trouble is a common occurrence in one respect. That is leaving your power on your speaker when you turn your radio set off. By doing this, you cause your coil in your speaker to over heat because of the steady flow of current. Why, you may say, doesn't my

coil heat while the radio is playing? And the answer is "Yes", but, when your radio is playing, you have a large amount of fluctuation in your diaphragm. This fluctuation would offset the steadiness of the line flow and will therefore keep the coils from becoming too hot. The best way to use this dynamic speaker combination would be to have it wired to the switch on the radio set. This will turn off all the power, that is both the set and the speaker.

(Continued on page 63)

A PUZZLER

For some time the writer was annoyed by the peculiar performance of his set. Even local programs would die away suddenly (not slowly as in fading) but the music would lose its volume all at once until it could scarcely be heard. Then, just as suddenly, the normal volume would return. The trouble was finally located where the wires were attached to the battery posts. Large toothed, spring clips were used for the leads from the A battery and a corrosion had taken place which could not be seen and yet which served to make the current flow intermittently. The clips were carefully scraped and filed and the annoying trouble was gone.

MUSIC INTO LIGHT

The daily press reports an interesting experiment when Allen C. Clarke, Danville, Va., amateur, attached an electric pick-up to a phonograph and fed its output into a home-built television reproducer. Music then became curved streaks of light of varying thickness.

Low notes of the double bass and the roll of the tympani produced broad black bands. When the lower register instruments of an orchestra were eclipsed by the shrill treble of violins and highly pitched brasses, fine lines of light were drawn.

As music moved up and down the scale there was a corresponding fluctuation in the picture to left or right. During the more tempestuous passages of the music the picture assumed the appearance of a futuristic drawing.

A jazz band would probably have looked like a premature explosion of a carload of Fourth of July fireworks.

DEAD OR ALIVE

(Continued from page 5)

back upon a fib assuring herself that if one were ever warranted, now was the time. "I am expecting him back every minute," she defended. "He just drove over to a neighbors."

"Yeh. Do you kiss them goodbye every time they go over to the neighbors?"

And then Mary knew that the man had been watching the house for some time. He had seen her parents drive away on their trip to the county-seat. He had watched her kiss them goodbye and had evidently reached the conclusion that the girl was entirely alone. Mary sent a fervent prayer for help into heaven but where it could come from she little knew.

During all this time, like the subdued accompaniment of the theatre orchestra, the radio had been reproducing the strains of the distant instruments, the players never dreaming that they were providing the music for a tense drama.

Mary said nothing but went on about her work. Still the man ate. With her heart pumping as if it would burst, the girl calmly finished wiping her dishes and putting them away. Finally she reached up to the hook and took down a straw hat as if she were going into the garden but as she neared the door, the man moved his huge bulk before her and said, "Oh, no, you don't." And he sat there blocking her way while he reached out for a great slice of pie which he ate, still greedy.

Mary hung the hat back upon its hook and walked around the great dining table which stood in the middle of the big kitchen. She would place this much protection between herself and him. Behind the outer door which stood open, was her father's rifle with its magazine kept loaded. But like the telephone it was of little use to her for well she knew that before she could reach and use either the man would be upon her. She could only pray that help might come from some source. Perhaps some one would drive into the yard. It was too early for the rural-delivery carrier and she could think of no one else who might come. Her parents would not return until after dark. She stood and waited. She could no longer make a pretense of working. She was thoroughly frightened.

Finally the man turned toward her, an evil leer upon his face. "Come over here and see me," he ordered. Mary did not move.

"Come over here or I will come and get you," was the demand in still rougher tones. The girl ignored the command.

Slowly the fellow rose to his feet and slowly he walked toward her. Mary moved around the table to keep it between her and the brute. The man started to follow and the thought came to Mary that she might get on his side of the table with access to the outside door. But the man grinned and moving toward the door tipped a chest of drawers across blocking the doorway. Mary was now in a panic.

The intruder turned again to the frightened girl. Darting around the table first one way and then another, he endeavored to get his coarse hands upon her. But the girl was swift and eluded him. He chased her back and forward and around. And as Mary passed the telephone on her way she reached out and knocked the receiver off the hook and then screamed "Help. Help."

With an oath the brute grasped the instrument and ripped it completely from the wall. Again he turned to the pursuit.

The distant orchestra took up the strains of "There's a Rainbow Round my Shoulder."

As Mary ran she tripped and the huge hand fell on her. She darted away again and her clothing was torn off her shoulder leaving it bare. Again she was on the opposite side of the table from her tormentor, leaning on it for support, her breath in gasps, her breasts rising and falling like the body of a dying thing. The man glared at her and if he had seemed vile before, he now was the very devil incarnate. He grasped the huge walnut table with both great hands and Mary sensed that he was about to overthrow it upon her. She closed her eyes and shuddered, almost in a faint.

"We are interrupting this program," came a voice from the loud speaker, "at the request of the state police." At the word "police" the corded muscles in the hands that gripped the edge of the table relaxed and the startled brute turned bewildered toward the speaker.

"A convicted murderer escaped from the authorities at Galesburg this morning. He is wanted for the killing of Sam Jackson and his wife at Morton."

And then feature by feature, the radio described the brute on the opposite side of the table from Mary and she knew that she faced a man not only utterly depraved and without conscience but even without fear of consequences for he was already under sentence of death. With a terrible oath the killer turned and kicked the radio instrument as though it were an informer. The table upon which it rested leaned precariously against the wall but still the loud speaker went on: "The State offers a reward of Five Thousand Dollars for the capture of this man *dead or alive*. State police are now searching in the vicinity of Cambridge where it

is believed this man was seen this morning."

With another vile imprecation, the desperado knocked the set to the floor, then ran to the outer door, pushed the chest of drawers violently out of his way and jumped out on the porch. He looked up and down the road to see if the troopers were near who were hunting in the vicinity. As he ran he pulled a vicious-looking gun from his pocket. No one was in sight for a mile or more in either direction and he turned back into the kitchen to his prey.

Too late. When he turned, he looked into a 32-calibre hole in the end of a Winchester. And back of the sights which were trained steadily upon the very center of his forehead, were the determined and blazing brown eyes of his intended victim. "Hands up!" she said, quietly but in a voice that he knew meant just what it said. Slowly the hands were lifted into the air over his head. Like participants in a tableau, the two faced each other. "What shall I do next?" thought Mary to herself. Slowly, almost imperceptibly, the revolver in the right hand of the criminal inclined. A fraction of an inch at a time it lowered until it was almost in line with the girl in the doorway. Another degree of its terrible arc would have been death but Mary saw it and simultaneously two shots rang out. One bullet imbedded itself in the door jamb above Mary's head. But the other had met its target. The revolver flew from the hand that held it and two fingers hung backward upon the upraised arm while jets of blood spurted down the wrist.

"Now whatever will I do with you?" the girl asked, this time aloud. "You would be less trouble if you were dead. 'Dead or alive'," the girl repeated slowly, pondering the situation. The desperate man misread her intentions, assuming that she would do what he would himself do in a like case. He

paled and losing all control of himself groveled like a whipped cur.

"You wouldn't kill me in cold blood?" he cried.

"Why wouldn't I?" Mary returned. "What chance did you give Mr. and Mrs. Jackson? After they gave you everything you killed them just to make it impossible for them ever to testify against you. You ought to be dead and I do not think I would have any more compunction in killing you than I would a rattle-snake."

The coward whined, really frightened, and muttered something about not meaning to harm anyone.

"Oh, no," returned the girl. "You didn't intend to harm me a few minutes ago, did you? If it hadn't been for that blessed radio." and the girl shuddered.

At last she spoke sternly to the abject and cowering brute, "Right about face and march to the barn. And let me tell you I can shoot a rabbit on the hop, skip and jump. If you make one false move it will be your very last."

The man, now thoroughly cowed, did as he was bid and with hands still reaching to the sky, he turned and shambled toward the stables. At the girl's direction, he entered one of the cattle stalls which was deep with straw. Still holding the rifle at his head, she ordered him to lie down in the straw with his head in the low manger upon hay that had been left by the cattle. As he laboriously eased himself into the bed and lay over upon his back with his head between the stanchions, the girl suddenly kicked the latter to and the man was safely imprisoned with his head securely locked between the great oak bars.

With her gun slung over her forearm, the stock under her upper arm, in the hunter's "ready" position, Mary backed slowly toward the cupboard which held the remedies used on cuts suffered by the stock. Reaching into the cupboard

still with eyes alert for any untoward move on the part of the prostrate man, she found a box of carbollic salve. Her captive seemed only too willing to lie in the deep straw and await developments having indeed no other alternative. With a strip of the white undergarment hanging in shreds from her shoulder, the young girl spread on the salve and bound up the injured hand as best she could.

She smiled to herself as she addressed the scowling ruffian. "I don't suppose you ever had any idea that you were going to do one good deed before you died. But you are. You are going to send a young woman to college. Now isn't that nice? I never knew how I was going to get the money for college and here you come in and bring me five thousand dollars—sufficient for my whole education and then some. You don't look much like a fairy god-father, do you?" A horrible grimace was the only response.

At that moment, the girl paused, threw up her head and listened. She heard the sharp, staccato bark of a motorcycle. Picking up the rifle she ran to the door of the barn. A state trooper was passing at a high rate of speed. Throwing the barrel of the gun into the air, three shots rang out in quick succession. The cyclist slackened, looked around and then wheeling his machine about, he came roaring into the farm yard. With a grinding stop in front of the girl, he grinned and asked "What's all the shootin' fer?"

It was Lady Audrey who answered. "For whom are you seeking?" she inquired sweetly.

"I'm looking for an escaped murderer—the fellow who killed Mr. and Mrs. Jackson. You haven't seen anything of him have you?"

Mary nodded toward the stall. "Allow me to turn him over to you," she said.

The trooper turned and looked,

walked forward curiously and stared at the imprisoned figure. Then he turned to the girl and stammered, "Ma'am, I'm a son-of-a-gun. Excuse me, ma'am. Yes, sir, I'm a son-of-a-gun."

If Set Goes Wrong

(Continued from page 3)

SYMPTOM

Inability to tune in distant stations.

CAUSE

Limited range of receiver.
Atmospheric conditions.
Aerial is too short.
Use of a substitute aerial, loop or indoor aerial for regular outdoor aerial.
Worn-out tubes which need reactivation.
Low A and B-batteries.
Careless tuning by operator.

WEAK RECEPTION

SYMPTOM

Occasional weak signals.

CAUSE

Static conditions.
Corroded tube tips and socket prongs.

SYMPTOM

Constant weak signals.

CAUSE

Receiver is located a considerable distance from broadcasting stations.
Aerial is too short
Use of indoor aerial on receiver designed for outdoor aerial.
Too loose adjustment of loudspeaker unit.
One or more defective tubes.
High-resistance joint.

SYMPTOM

Signal comes in louder when ground is disconnected.

CAUSE

Grounded aerial.

SYMPTOM

Rheostats must be turned up excessively high for fair volume.

CAUSE

Tubes worn out and need reactivation.
Low A-battery.

SYMPTOM

Signal is strong when receiver is turned on but soon dies down.

CAUSE

Low A or B-battery, or both.

SYMPTOM

Weak signals accompanied by slight whistling or crackling noises (may also oscillate.)

CAUSE

Low B-batteries.
Incorrect B-voltages.

SYMPTOM

Better volume obtained when tubes are changed.

CAUSE

Some tubes work better for r.f. and other for a.f. amplification.

SYMPTOM

Signal strength varies with the use of different phones and loudspeakers.

CAUSE

Demagnetized phone or loudspeaker unit.
One loudspeaker better designed than another.
Reversed phone-cord connections causing wrong polarity.

SYMPTOM

Tubes do not light up sufficiently and receiver has poor volume.

CAUSE

Corrosion on battery terminals causing high resistance joint and preventing required amount of current from passing.

SYMPTOM

Weak signals after battery has been changed.

CAUSE

Reversed A-supply leads.
Reversed C-supply leads.

SYMPTOM

Weak signals after lead-in and ground wires have been re-connected.

CAUSE

Lead-in and ground wires reversed on receiver binding posts.

FLUCTUATING RECEPTION

SYMPTOM

Sporadic fading of signal strength.

CAUSE

Atmospheric conditions.

SYMPTOM

Intermittent fluctuations of reception.

CAUSE

Variations in B-supply from eliminator due to line surges.

SYMPTOM

Signal strength varies when hand is removed from tuning dial.

CAUSE

Body capacity.

FAULTY TUNING

SYMPTOM

Broad tuning.

CAUSE

Proximity of receiver to broadcasting station.
R. F. coils too closely coupled.
Aerial is too long.
Antenna effect of eliminator.
Inadequate tuning circuit.

SYMPTOM

Too sharp tuning.

CAUSE

R. F. coils too loosely coupled.
Aerial is too short for distant reception.
Use of indoor aerial on receiver designed for outdoor aerial.
High-peaked intermediate-frequency transformers of superheterodyne receivers.

SYMPTOM

Receiver breaks into oscillation easily when tuning signals carefully, causing an "oscillation handover."

CAUSE
Too low value of grid leak.

DISTORTED SIGNALS

SYMPTOM
Loud notes distorted.

CAUSE
Audio tubes overloaded.
Poorly designed transformers.

SYMPTOM
Metallic reproduction.

CAUSE
Metal loudspeaker bell.

SYMPTOM
Constant distortion, especially on high and low notes.

CAUSE
Poorly designed and cheaply made transformers.

Poor tubes having low mutual conductance.

Intercoupling between non-shielding audio transformers.

Too high transformer ratios.

Incorrect value of defective resistors in resistance-coupled a.f. amplifier.

SYMPTOM
Distorted signals when r.f. and detector rheostats are tuned up too high.

CAUSE
Oscillating r.f. tube or detector.

SYMPTOM
Distortion from certain broadcasting stations.

CAUSE
Poor broadcasting equipment and faulty operation.

SYMPTOM
Distortion when two stations on nearly the same wavelength are broadcasting at the same time.

CAUSE
Overlapping wavebands prevent tuning in either one sharply, resulting in mutual interference.

SYMPTOM
Distortion on signals from distant stations.

CAUSE
Receiver tunes too sharp and cannot get benefit of the full waveband.

SYMPTOM
Harsh-toned reception.

CAUSE
Too high grid and plate voltages.
Detector filament rheostat turned up too high.

Incorrect resistors in resistance-coupled receiver.

Too high grid-leak value.

SYMPTOM
"Fuzzy" reproduction.

CAUSE
Slow-leaking condenser in eliminator.
Poorly adjusted eliminator.
Incorrect value of grid-leak.

NOISY RECEPTION

SYMPTOM
Crashing and crackling noises at certain times.

CAUSE
Static discharges.
Power lines grounded by trees, wet insulators, etc.

Defective power transformer.
Dirty commutators on electric motors causing sparking brushes.

Passing street cars, interurbans, etc.
Farm lighting unit.

Defective buffer condenser of eliminator.

Trickle charger in operation while receiver is used.

SYMPTOM
"Motorboating" (putt-putt sounds).

CAUSE
High internal impedance of filter section of eliminator.

Faulty resistors and leady condensers in eliminator.

Fluctuations of voltage of a. c. supplying eliminator.

Excessive voltage on r.f. and detector tubes.

Incorrect value of resistor in detector-plate circuit of resistance-coupled receiver.

Incorrect grid bias.

Defective grid condenser.

Too high grid-leak resistance.

Reversed winding of a.f. transformer.

Unmatched impedance between power tube and loudspeaker.

SYMPTOM

Squawking noises when tuning.

CAUSE

Set turned up too high for proper operation.

SYMPTOM

Howling and whistling noises.

CAUSE

Too much regeneration.

Pick-up from other reradiating receivers.

Too high grid-leak.

Unneutralized r.f. stages.

Inductive effects between parallel grid and plate lines.

Inductive effect of a loop.

Two stations at slightly different wavelengths operating simultaneously.

Intermediate stages of superheterodyne oscillating.

Incorrect value or defective filter condenser in superheterodyne.

SYMPTOM

Clicking while tuning.

CAUSE

Oscillating r.f. tubes.

Short-circuited buffer condenser in eliminator.

Arcing across anode leads of eliminator rectifier, across prongs of rectifier-tube socket, or across output of power transformer or eliminator.

Defective eliminator resistors.

SYMPTOM

Buzzing sounds.

CAUSE

High-frequency electrical apparatus.

Rotary spark gap of transmitting station.

SYMPTOM

Rasping, spluttering or crackling noises when receiver is being tuned.

CAUSE

Loose connection.

Thread-like burrs on plate of variable condensers.

SYMPTOM

Constant crashing and crackling noises (sometimes evidenced with weak signal strength).

CAUSE

Noisy B-battery, especially when old and nearly worn out.

SYMPTOM

Sporadic hissing, crackling and frying noises.

CAUSE

Internal short circuits in tubes.

SYMPTOM

Howl, increasing gradually in pitch and volume.

CAUSE

Microphonic detector or other tube (caused by too high plate voltage or by vibration).

SYMPTOM

Ringling noise when receiver or cabinet is tapped.

CAUSE

Microphonic detector.

SYMPTOM

Steady humming sound.

CAUSE

Aerial parallel to electric power lines.

Lead in or ground wire, loop, or receiver in close proximity to extension cords or electric lamps.

Poor filtration of eliminator.

Inductive effect from eliminator.

INDEX BY FREQUENCIES AND DIAL NUMBERS

NOTICE OF COPYRIGHT

The method of logging by wave-lengths or frequencies was devised by The Radex Press in 1924 and has been copyrighted and recopyrighted each year since that time. The arrangement of stations in groups by frequencies or wave-lengths with dial readings in connection therewith is fully covered by our copyright and all infringers will be vigorously prosecuted.

550 kilocycles 545.1 meters

| | | |
|------|------|--------------------|
| CYY | 100 | Merida, Mexico |
| KFDY | 500 | Brookings, S. D. |
| KFJM | 500 | Grand Forks, N. D. |
| KFUO | 500 | St. Louis, Mo. |
| KFYR | 500 | Bismarck, N. D. |
| KSD | 500 | St. Louis, Mo. |
| KTAB | 500 | Oakland, Calif. |
| WEAN | 250 | Providence, R. I. |
| WEAO | 750 | Columbus, Ohio |
| WGR | 1000 | Buffalo, N. Y. |
| WKRC | 500 | Cincinnati, Ohio |

| | | |
|--|--|--|
| | | |
|--|--|--|

Socialist Party
S. D. State College
University of North Dakota
Concordia Theological Seminary
Hoskins-Meyer
Pulitzer Publishing Co.
Associated Broadcasters
The Shepard Stores
Ohio State University
Federal Radio Corp.
Kodel Radio Corp.

560 kilocycles 535.4 meters

| | | |
|------|------|-------------------|
| KFDM | 500 | Beaumont, Texas |
| KFEQ | 2500 | St. Joseph, Mo. |
| KLZ | 1000 | Denver, Colo. |
| KOAC | 1000 | Corvallis, Ore. |
| WFI | 500 | Philadelphia, Pa. |
| WLIT | 500 | Philadelphia, Pa. |
| WMBF | 500 | Miami Beach, Fla. |
| WNOX | 1000 | Knoxville, Tenn. |
| WOI | 3500 | Ames, Iowa |

| | | |
|--|--|--|
| | | |
|--|--|--|

Magnolia Petroleum Co.
Scroggin & Co. Bank
Reynolds Radio Co., Inc.
State Agricultural College
Strawbridge & Clothier
Lit Brothers
Fleetwood Hotel Corp.
Sterchi Bros.
Iowa State College

570 kilocycles 526.0 meters

| | | |
|------|------|---------------------|
| KGKO | 250 | Wichita Falls, Tex. |
| KMTR | 1000 | Hollywood, Calif. |
| KPLA | 1000 | Los Angeles, Calif. |
| KUOM | 500 | Missoula, Mont. |
| KXA | 500 | Seattle, Wash. |
| WHA | 750 | Madison, Wis. |
| WBFO | 1000 | Chicago, Ill. |
| WKBN | 500 | Youngstown, Ohio |
| WMAC | 250 | Cazenovia, N. Y. |
| WMCA | 500 | New York City |
| WNAX | 1000 | Yankton, S. Dak. |
| WNYC | 500 | New York City |
| WPCC | 500 | Chicago, Ill. |
| WSMK | 200 | Dayton, Ohio |
| WSYR | 250 | Syracuse, N. Y. |
| WWNC | 1000 | Asheville, N. C. |

| | | |
|--|--|--|
| | | |
|--|--|--|

Wichita Falls Brdcstg. Co.
KMTR Radio Corp.
Pacific Development Radio Co.
University of Montana
American Radio Tel. Co.
University of Wisconsin
Nelson Bros. Bond & Mtg. Co.
W. P. Williamson, Jr.
Clive B. Meredith
Greeley Square Hotel Co.
Dakota Radio Apparatus Co.
Dept. of Plants & Structures
North Shore Congregational Church
Stanley M. Krohn, Jr.
Clive B. Meredith
Chamber of Commerce

580 kilocycles 516.9 meters

| | | |
|------|-----|--------------------|
| CFCL | 500 | Toronto, Ont. |
| CHMA | 250 | Edmonton, Alta. |
| CHNC | 500 | Toronto, Ont. |
| CJBC | 500 | Toronto, Ont. |
| CJCA | 500 | Edmonton, Alta. |
| CJSC | 500 | Toronto, Ont. |
| CKCL | 500 | Toronto, Ont. |
| CKNC | 500 | Toronto, Ont. |
| CKUA | 500 | Edmonton, Alta. |
| CNRE | 500 | Edmonton, Alta. |
| KGFX | 200 | Pierre, S. D. |
| KSAC | 500 | Manhattan, Kans. |
| WOBW | 250 | Charleston, W. Va. |
| WSAZ | 250 | Huntington, W. Va. |
| WSUI | 500 | Iowa City, Iowa |
| WTAG | 250 | Worcester, Mass. |

| | | |
|--|--|--|
| | | |
|--|--|--|

Dominion Battery Co., Ltd.
Christian and Missionary Alliance
Radio Research Society
Jarvis Street Baptist Church
The Edmonton Journal
The Evening Telegram
The Dominion Battery Co.
Canadian National Carbon Co.
University of Alberta
Canadian National Railways
Dana McNeil
State Agricultural College
Charleston Radio Brdcstg. Co.
McKellar Electric Co.
University of Iowa
Telegram Publishing Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

590 kilocycles 508.2 meters

KHQ 1000 Spokane, Wash.
 WCAJ 500 Lincoln, Nebr.
 WEEI 500 Boston, Mass.
 WOW 1000 Omaha, Nebr.
 WEMC 1000 Berrien Springs, Mich.

| | | |
|--|--|--|
| | | |
|--|--|--|

Louis Wasmer, Inc.
 Nebraska Wesleyan University
 Edison Elec. Illuminating Co.
 Woodmen of the World
 Emmanuel Missionary College

600 kilocycles 499.7 meters

CFCH 250 Iroquois Falls, Ont.
 KFSD 500 San Diego, Calif.
 KWYO 500 Laramie, Wyo.
 WCAC 250 Storrs, Conn.
 WCAO 250 Baltimore, Md.
 WEBW 350 Beloit, Wis.
 WOAN 500 Lawrenceburg, Tenn.
 WREC 500 Memphis, Tenn.
 WTIC 250 Hartford, Conn.

| | | |
|--|--|--|
| | | |
|--|--|--|

Abitibi Power & Paper Co.
 Airfan Radio Corp.
 Bishop N. S. Thomas
 Conn Agricultural College
 Monumental Radio Co., Inc.
 Beloit College
 Vaughan School of Music
 WREC, Inc.
 Travelers Insurance Co.

610 kilocycles 491.5 meters

KFRG 1000 San Francisco, Calif.
 WDAF 1000 Kansas City, Mo.
 WFAN 500 Philadelphia, Pa.
 WIP 500 Philadelphia, Pa.
 WQQ 1000 Kansas City, Mo.

| | | |
|----|----|----|
| 78 | 11 | 13 |
|----|----|----|

Don Lee, Inc.
 Kansas City Star Co.
 Keystone Broadcasting Co., Inc.
 Gimbel Bros., Inc.
 Unity School of Christianity

620 kilocycles 483.6 meters

KFAD 500 Phoenix, Ariz.
 KGW 1000 Portland, Ore.
 WDAE 1000 Tampa, Fla.
 WDBO 1000 Orlando, Fla.
 WLBZ 250 Bangor Me.
 WTMJ 1000 Milwaukee, Wis.

| | | |
|--|--|--|
| | | |
|--|--|--|

Electrical Equipment Co.
 Oregonian Publishing Co.
 Tampa Publishing Co.
 Rollins College, Inc.
 Maine Brdcastg. Co.
 Milwaukee Journal

630 kilocycles 475.9 meters

CFCT 500 Victoria, B. C.
 CJGX 500 Yorkton, Sask.
 CNRA 500 Moncton, N. B.
 CYR 250 Mazatlan, Mex.
 KFRU 500 Columbia, Mo.
 WGBF 500 Evansville, Ind.
 WMAL 250 Washington, D. C.
 WOS 500 Jefferson City, Mo.

| | | |
|--|--|--|
| | | |
|--|--|--|

Victoria Broadcasting Ass'n.
 Winnipeg Grain Exchange
 Canadian National Railways
 Castulo Llamas
 Stephens College
 Evansville on the Air, Inc.
 M. A. Leese Co.
 State Marketing Bureau

640 kilocycles 468.5 meters

KFI 5000 Los Angeles, Calif.
 WAIU 5000 Columbus, Ohio

| | | |
|--|--|--|
| | | |
|--|--|--|

Earle C. Anthony, Inc.
 American Insurance Union

650 kilocycles 461.3 meters

WSM 5000 Nashville, Tenn.

| | | |
|--|--|--|
| | | |
|--|--|--|

National Life & Accident Ins. Co.

660 kilocycles 454.3 meters

WAAW 500 Omaha, Nebr.
 WEAJ 50000 New York City

| | | |
|--|--|--|
| | | |
|--|--|--|

Omaha Grain Exchange
 National Broadcasting Co., Inc.

670 kilocycles 447.5 meters

WMAQ 5000 Chicago, Ill.

| | | |
|--|--|--|
| | | |
|--|--|--|

Chicago Daily News, Inc.

680 kilocycles 440.9 meters

KPO 5000 San Francisco, Cal.
 WPTF 5000 Raleigh, N. C.

| | | |
|--|--|--|
| | | |
|--|--|--|

Hale Bros. & The Chronicle
 Durham Life Insurance Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

690 kilocycles 434.5 meters

CFAC 500 Calgary, Alta.
 CFON 1800 Calgary, Alta.
 CHCA 250 Calgary, Alta.
 CJCJ 250 Calgary, Alta.
 CKCO 100 Ottawa, Ont.
 CNRC 500 Calgary, Alta.
 CNRO 500 Ottawa, Ont.
 NAA 1000 Arlington, Va.

| | | |
|--|--|--|
| | | |
|--|--|--|

The Calgary Herald
 W. W. Grant, Ltd.
 Alvertan Publishing Co., Ltd.
 Radio Service & Repair Shop
 Dr. G. M. Geldert
 Canadian National Railways
 Canadian National Railways
 U. S. Navy

700 kilocycles 428.3 meters

KFVD 250 Culver City, Calif.
 WLW 5000 Cincinnati, Ohio

| | | |
|--|--|--|
| | | |
|--|--|--|

W. J. & C. I. McWhinnie
 Crosley Radio Corp.

710 kilocycles 422.3 meters

CYO 100 Mexico City
 WOR 5000 Newark, N. J.

| | | |
|--|--|--|
| | | |
|--|--|--|

M. Y. Zetina
 L. Bamberger & Co.

720 kilocycles 416.4 meters

WGN 25000 Chicago, Ill.
 WLIB 25000 Chicago, Ill.

| | | |
|--|--|--|
| | | |
|--|--|--|

Chicago Tribune
 Liberty Weekly, Inc.

730 kilocycles 410.7 meters

CFCF 1650 Montreal, Que.
 CHLS 50 Vancouver, B. C.
 CHYC 750 Montreal, Que.
 CKAC 1200 Montreal, Que.
 CKDC 50 Vancouver, B. C.
 CKPC 50 Vancouver, B. C.
 CKMO 50 Vancouver, B. C.
 CKWX 100 Vancouver, B. C.
 CNRM 1650 Montreal, Que.

| | | |
|--|--|--|
| | | |
|--|--|--|

Canadian Marconi Co.
 W. G. Hassell
 Northern Electric Co.
 La Presse Publishing Co.
 Vancouver Daily Province
 United Church of Canada
 Sprout-Shaw Radio Co.
 A. Holstead & Wm. Hanlon
 Canadian National Railways

740 kilocycles 405.2 meters

KMMJ 1000 Clay Center, Neb.
 WSB 10000 Atlanta, Ga.

| | | |
|--|--|--|
| | | |
|--|--|--|

The M. M. Johnson Co.
 Atlanta Journal Co.

750 kilocycles 399.8 meters

CYJ 2000 Mexico City
 CYL 500 Mexico City
 WCX 5000 Detroit, Mich.
 WJR 5000 Detroit, Mich.

| | | |
|--|--|--|
| | | |
|--|--|--|

R. Ascarraga
 Detroit Free Press
 WJR, Inc.

760 kilocycles 394.5 meters

WEW 1000 St. Louis, Mo.
 WJZ 30000 New York City

| | | |
|--|--|--|
| | | |
|--|--|--|

St. Louis University
 Radio Corp. of America, Inc.

770 kilocycles 389.4 meters

KFAB 5000 Lincoln, Nebr.
 WBBM 25000 Chicago, Ill.

| | | |
|--|--|--|
| | | |
|--|--|--|

Nebr. Buick Automobile Co.
 Atlas Investment Co.

780 kilocycles 384.4 meters

CKY 5000 Winnipeg, Manitoba
 CNRW 500 Winnipeg, Man.
 KELW 500 Burbank, Calif.
 KTM 500 Santa Monica, Calif.
 WBSO 250 Wellesley Hills, Mass.
 WMC 500 Memphis, Tenn.
 WPOR 500 Norfolk, Va.
 WSEA 500 Portsmouth, Va.
 WTAR 500 Norfolk, Va.

| | | |
|--|--|--|
| | | |
|--|--|--|

Manitoba Telephone System
 Canadian National Railways
 Earl L. White
 Pickwick Brdcastg. Corp.
 Babson's Statistical Organization.
 Memphis Commercial-Appeal
 Reliance Electric Co.
 Virginia Beach Brdcastg. Co.
 Reliance Electric Co., Inc.

INDEX BY FREQUENCIES AND DIAL NUMBERS

790 kilocycles 379.5 meters

KGO 7500 Oakland, Calif.
 WCV 50000 Schenectady N. Y.
 6KW 1500 Tuinucu, Cuba

| | | |
|--|--|--|
| | | |
|--|--|--|

General Electric Co.
 General Electric Co.
 Frank H. Jones

800 kilocycles 374.8 meters

CYH 100 Mexico City
 KTHS 10000 Hot Springs, Ark.
 WBAP 50000 Fort Worth, Tex.
 WSAI 5000 Cincinnati, Ohio

| | | |
|--|--|--|
| | | |
|--|--|--|

C. de Tarnava
 Chamber of Commerce
 Carter Publications, Inc.
 Crosley Radio Corp., Lessee

810 kilocycles 370.2 meters

WCCO 15000 Minneapolis-St. Paul
 WPCB 500 Jersey City, N. J.

| | | |
|--|--|--|
| | | |
|--|--|--|

Washburn-Crosby Co.
 Concourse Radio Corp.

820 kilocycles 365.6 meters

WHAS 10000 Louisville, Ky.

| | | |
|--|--|--|
| | | |
|--|--|--|

Courier-Journal & Times

830 kilocycles 361.2 meters

HHK 1000 Port au Prince, Haiti
 KOA 12500 Denver, Colo.
 WHOH 1000 Gloucester, Mass.

| | | |
|--|--|--|
| | | |
|--|--|--|

Republic of Haiti
 General Electric Co.
 Matheson Radio Co., Inc.

840 kilocycles 356.9 meters

CFOA 500 Toronto, Ont.
 CHCT 1000 Red Deer, Alta.
 CJBC 1000 Toronto, Ont.
 CKLG 1000 Red Deer, Alta.
 CKOW 500 Toronto, Ont.
 CMC 500 Havana, Cuba
 CNRT 500 Toronto, Ont.

| | | |
|--|--|--|
| | | |
|--|--|--|

Star Publishing & Ptg. Co.
 C. F. Tull & Ardern, Ltd.
 Jarvis Street Baptist Church
 Alberta Pacific Grain Co.
 Neale's Food Co.
 Cuban Telephone Co.
 Canadian National Railways

850 kilocycles 352.7 meters

KFOZ 1000 Hollywood, Calif.
 KWKH 20000 Shreveport, La.
 WWL 5000 New Orleans, La.

| | | |
|--|--|--|
| | | |
|--|--|--|

Leslie E. Taft
 W. K. Henderson
 Loyola University

860 kilocycles 348.6 meters

CZE 500 Mexico City
 WABC 5000 New York City
 WBOQ 5000 New York City
 2OK 100 Havana, Cuba
 7SR 500 Elia, Cuba

| | | |
|--|--|--|
| | | |
|--|--|--|

Department of Education
 Atlantic Broadcasting Corp.
 Atlantic Broadcasting Corp.
 Merio G. Velez
 Salvador Rionda

870 kilocycles 344.6 meters

WENR 25000 Chicago, Ill.
 WLS 5000 Chicago, Ill.

| | | |
|--|--|--|
| | | |
|--|--|--|

Great Lakes Brdcstg. Co.
 The Prairie Farmer

880 kilocycles 340.7 meters

CHCS 10 Hamilton, Ont.
 CHML 50 Hamilton, Ont.
 CHRQ 5 Quebec, Que.
 CKCI 22.5 Quebec, Que.
 CKCV 50 Quebec, Que.
 CKOC 100 Hamilton, Ont.
 CNRO 50 Quebec, Que.
 KFKA 500 Greeley, Colo.
 KLX 500 Oakland, Calif.
 KPOF 500 Denver, Colo.
 WCOG 500 Columbus, Miss.
 WGBI 250 Scranton, Pa.
 WQAN 250 Scranton, Pa.

| | | |
|--|--|--|
| | | |
|--|--|--|

The Hamilton Spectator
 Maple Leaf Radio Co.
 E. Fontaine
 LeSoleil
 G. A. Vandry
 Wentworth Radio Supply Co.
 Canadian National Railways
 State Teachers College
 Tribune Publishing Co.
 Pillar of Fire, Inc.
 Crystal Oil Co.
 Scranton Broadcasters, Inc.
 Scranton Times

INDEX BY FREQUENCIES AND DIAL NUMBERS

890 kilocycles 336.9 meters

CFBO 50 St. John, N. B.
 CYC 50 Vera Cruz, Mex.
 KFNF 500 Shenandoah, Iowa
 KGJF 250 Little Rock, Ark.
 KUSD 500 Vermillion, S. D.
 WGST 250 Atlanta, Ga.
 WILL 250 Urbana, Ill.
 WJAR 250 Providence, R. I.
 WKAQ 500 San Juan, P. R.
 WMAZ 250 Macon, Ga.
 WMMN 250 Fairmont, W. Va.

| | | |
|--|--|--|
| | | |
|--|--|--|

C. A. Munro, Ltd.
 M. A. Fernandez
 Henry Field Seed Co.
 Church of the Nazarene
 University of South Dakota
 Georgia School of Technology
 University of Illinois
 The Outlet Co.
 Radio Corp. of Porto Rico
 Mercer University
 Holt Rowe Novelty Co.

900 kilocycles 333.1 meters

KGBU 500 Ketchikan, Alaska
 KHJ 1000 Los Angeles, Cal.
 KSEI 250 Pocatello, Idaho
 WFBL 750 Syracuse, N. Y.
 WFLA 1000 Clearwater, Fla.
 WKY 1000 Oklahoma City
 WLBL 2000 Stevens Pt., Wis.
 WMAK 750 Buffalo, N. Y.
 WSUN 1000 St. Petersburg, Fla.

| | | |
|--|--|--|
| | | |
|--|--|--|

Alaska Radio & Service Co.
 Don Lee, Inc.
 KSEI Broadcasting Assn.
 The Onondaga Co., Inc.
 Chamber of Commerce
 WKY Radiophone Co.
 Wisconsin Dept. of Markets
 WMAK Brdcstg. Station, Inc.
 Chamber of Commerce

910 kilocycles 329.6 meters

CFQC 500 Saskatoon, Sask.
 CJGC 500 London, Ont.
 CJHS 250 Saskatoon, Sask.
 CNRS 500 Saskatoon, Sask.

| | | |
|--|--|--|
| | | |
|--|--|--|

The Electric Shop
 Free Press Ptg. Co.
 Radio Service, Ltd.
 Canadian National Railways

920 kilocycles 325.9 meters

CYX 500 Mexico City
 KOMO 1000 Seattle, Wash.
 KPRC 1000 Houston, Texas
 WAAF 500 Chicago, Ill.
 WWJ 1000 Detroit, Mich.

| | | |
|--|--|--|
| | | |
|--|--|--|

El Excelstor
 Fisher's Blend Station
 Houston Printing Co.
 Drivers Journal Publishing Co.
 The Detroit News

930 kilocycles 322.4 meters

CHNS 500 Halifax, N. S.
 CYQ 100 Tampico, Mex.
 KFVI 500 San Francisco, Calif.
 KFWM 500 Oakland, Calif.
 KGBZ 500 York, Nebr.
 KMA 500 Shenandoah, Iowa
 WBRC 500 Birmingham, Ala.
 WDBJ 250 Roanoke, Va.
 WIBG 50 Elkins Park, Pa.

| | | |
|--|--|--|
| | | |
|--|--|--|

Northern Elec. Co.-Halifax Herald
 Cipriano Sagaon S. en C.
 Radio Entertainments, Inc.
 Oakland Educational Society
 George R. Miller
 May Seed & Nursery Co.
 Birmingham Broadcasting Co.
 Richardson-Wayland Elec. Corp.
 St. Pauls P. E. Church

940 kilocycles 319.0 meters

KFEL 250 Denver, Colo.
 KFXY 250 Denver, Colo.
 KGU 500 Honolulu, Hawaii
 KOIN 1000 Portland, Ore.
 WCSH 500 Portland, Maine
 WFTW 1000 Hopkinsville, Ky.

| | | |
|--|--|--|
| | | |
|--|--|--|

*Eugene P. O'Fallon, Inc.
 Pikes Peak Brdcstg. Co.
 Marlon A. Mulrony
 KOIN, Inc.
 Congress Square Hotel Co.
 The Acme Mills, Inc.

950 kilocycles 315.6 meters

KFWB 1000 Los Angeles, Calif.
 KGHL 500 Billings, Mont.
 KLDS 1000 Independence, Mo.
 KMBC 1000 Independence, Mo.
 KPSN 1000 Pasadena, Calif.
 WHB 500 Kansas City, Mo.
 WRC 500 Washington, D. C.
 2RK 20 Havana, Cuba

| | | |
|--|--|--|
| | | |
|--|--|--|

Warner Bros. Broadcasting Corp.
 Northwestern Auto Supply Co.
 Church of Latter Day Saints
 Midland Broadcasting Co.
 Pasadena Star-News
 Sweeney Automobile School
 Radio Corp. of America
 Raoul Karman

INDEX BY FREQUENCIES AND DIAL NUMBERS

960 kilocycles 312.3 meters

| | | |
|------|------|-------------------------|
| CFCY | 100 | Charlottetown, P. E. I. |
| CFRB | 1000 | Twp. of King, Ont. |
| CHCK | 30 | Charlottetown, P. E. I. |
| CHWC | 500 | Regina, Sask. |
| CJBC | 5000 | Toronto, Ont. |
| CJBR | 500 | Regina, Sask. |
| CKCK | 500 | Regina, Sask. |
| CKGW | 5000 | Bowmanville, Ont. |
| CNR | 500 | Regina, Sask. |
| CYU | 100 | Puebla, Mex. |

| | | |
|--|--|--|
| | | |
|--|--|--|

The Island Radio Co.
Standard Radio Mfg. Corp.
W. E. Burke
R. H. Williams & Sons
Jarvis St. Baptist Church
Cooperative Wheat Producers
Leader Pub. Co.
Gooderham & Worts
Canadian Nat'l. Railways
A. del P. Zaoniz

970 kilocycles 309.1 meters

| | | |
|------|-------|-----------------|
| CZF | 250 | Chihuahua, Mex. |
| KJR | 5000 | Seattle Wash. |
| WCFL | 50000 | Chicago, Ill. |

| | | |
|--|--|--|
| | | |
|--|--|--|

State of Chihuahua
Northwest Radio Service Co.
Chicago Federation of Labor

980 kilocycles 305.9 meters

| | | |
|------|-------|-----------------|
| KDKA | 50000 | Pittsburgh, Pa. |
|------|-------|-----------------|

| | | |
|--|--|--|
| | | |
|--|--|--|

Westinghouse Elec. & Mfg. Co.

990 kilocycles 302.8 meters

| | | |
|------|-------|--------------------|
| WBZ | 15000 | Springfield, Mass. |
| WBZA | 500 | Boston, Mass. |

| | | |
|--|--|--|
| | | |
|--|--|--|

Westinghouse Elec. & Mfg. Co.
Westinghouse Elec. & Mfg. Co.

1000 kilocycles 299.8 meters

| | | |
|------|------|------------------|
| CYA | 500 | Mexico City |
| KGFH | 250 | Glendale, Calif. |
| WHO | 5000 | Des Moines, Iowa |
| WOC | 5000 | Davenport, Iowa |

| | | |
|--|--|--|
| | | |
|--|--|--|

E. R. Gomes
Frederick Robinson
Bankers Life Co.
Palmer School of Chiropractic

1010 kilocycles 296.9 meters

| | | |
|------|-----|---------------------|
| CFLC | 50 | Prescott, Ont. |
| CJRM | 500 | Moose Jaw, Sask. |
| CJRW | 500 | Fleming, Sask. |
| CKCR | 50 | Brantford, Ont. |
| CKSH | 50 | St. Hyacinthe, Que. |
| KGGF | 500 | Picher, Okla. |
| KQW | 500 | San Jose, Calif. |
| WHN | 250 | New York City |
| WNAD | 500 | Norman, Okla. |
| WPAP | 250 | Cliffside, N. J. |
| WQAO | 250 | Cliffside, N. J. |
| WRNY | 250 | New York City |
| WSIS | 250 | Sarasota, Fla. |

| | | |
|--|--|--|
| | | |
|--|--|--|

Radio Association
Jas. Richardson & Sons
Jas. Richardson & Sons, Ltd.
John Patterson
City of St. Hyacinthe
D. L. Connell, M. D.
First Baptist Church
Marcus Loew Booking Agency
University of Oklahoma
Palisades Amusement Park
Calvary Baptist Church
Experimenter Publishing Co.
Chamber of Commerce

1020 kilocycles 293.9 meters

| | | |
|------|------|-------------------|
| KFKX | 5000 | Chicago, Ill. |
| KYW | 5000 | Chicago, Ill. |
| KYWA | 5000 | Chicago, Ill. |
| WRAX | 250 | Philadelphia, Pa. |

| | | |
|--|--|--|
| | | |
|--|--|--|

Westinghouse Elec. & Mfg. Co.
Westinghouse Elec. & Mfg. Co.
Westinghouse Elec. & Mfg. Co.
Berachah Church, Inc.

1030 kilocycles 291.1 meters

| | | |
|------|-----|-------------------|
| CJOR | 50 | Sea Island, B. C. |
| CNRV | 500 | Vancouver, B. C. |

| | | |
|--|--|--|
| | | |
|--|--|--|

G. C. Chandler
Canadian Nat'l Railways

1040 kilocycles 288.3 meters

| | | |
|------|-------|---------------------|
| KRLD | 10000 | Dallas, Texas |
| WFAA | 5000 | Dallas, Texas |
| WKAR | 500 | East Lansing, Mich. |
| WKEN | 1000 | Buffalo, N. Y. |

| | | |
|--|--|--|
| | | |
|--|--|--|

KRLD, Inc.
Dallas Morning News
Michigan Agricultural College
Radio Station WKEN, Inc.

1050 kilocycles 285.5 meters

| | | |
|------|-------|--------------------|
| KNX | 5000 | Hollywood, Calif. |
| WFBM | 25000 | Indianapolis, Ind. |
| 2MG | 20 | Havana, Cuba |

| | | |
|--|--|--|
| | | |
|--|--|--|

Western Broadcast Co.
Indianapolis Power & Light Co.
M. y G. Salas

INDEX BY FREQUENCIES AND DIAL NUMBERS

1060 kilocycles 282.8 meters

KWJJ 500 Portland, Ore.
 WBAL 5000 Baltimore, Md.
 WJAG 500 Norfolk, Nebr.
 WTIC 5000 Hartford, Conn.

| | | |
|--|--|--|
| | | |
|--|--|--|

Wilbur Jerman
 Consolidated Gas, Elec. & Pwr. Co.
 Norfolk Daily News
 Travelers Insurance Co.

1070 kilocycles 280.2 meters

WAAT 300 Jersey City, N. J.
 WCAZ 100 Carthage, Ill.
 WDZ 100 Tuscola, Ill.
 WEAR 1000 Cleveland, Ohio
 WTAM 3500 Cleveland, Ohio

| | | |
|--|--|--|
| | | |
|--|--|--|

Bremer Broadcasting Corp.
 Carthage College
 James L. Bush
 WTAM and WEAR, Inc.
 WTAM and WEAR, Inc.

1080 kilocycles 277.6 meters

WBT 10000 Charlotte, N. C.
 WCBD 5000 Zion, Ill.
 WMBI 5000 Chicago, Ill.

| | | |
|--|--|--|
| | | |
|--|--|--|

C. C. Coddington
 Wilbur Glenn Voliva
 Moody Bible Institute

1090 kilocycles 275.1 meters

CYB 500 Mexico City
 KMOX 5000 St. Louis, Mo.
 2UF 10 Havana, Cuba

| | | |
|--|--|--|
| | | |
|--|--|--|

J. J. Reynosa
 Voice of St. Louis
 Benito V. Ferro

1100 kilocycles 272.6 meters

KJBS 100 San Francisco, Cal.
 WLWL 5000 New York City
 WPG 5000 Atlantic City, N. J.

| | | |
|--|--|--|
| | | |
|--|--|--|

Julius Brunton & Sons Co.
 Missionary Society of St. Paul
 Municipality of Atlantic City

1110 kilocycles 270.1 meters

KSOO 500 Sioux Falls, S. D.
 WRVA 5000 Richmond, Va.
 2TW 20 Havana, Cuba

| | | |
|--|--|--|
| | | |
|--|--|--|

Sioux Falls Broadcast Assn.
 Larus & Bros. Co., Inc.
 Roberto E. Ramirez

1120 kilocycles 267.7 meters

CFJC 15 Kamloops, B. C.
 CFMC 20 Kingston, Ont.
 CFRC 500 Kingston, Ont.
 CHGS 25 Summerside, P. E. I.
 CJOC 50 Lethbridge, Alta.
 CKPR 50 Midland, Ont.
 KFSG 500 Los Angeles, Cal.
 KMIC 500 Inglewood, Calif.
 KRSC 50 Seattle, Wash.
 KUT 500 Austin, Texas
 WCOA 500 Pensacola, Fla.
 WDEL 250 Wilmington, Del.
 WHAD 250 Milwaukee, Wis.
 WISN 250 Milwaukee, Wis.
 WTAW 500 College Station, Texas

| | | |
|--|--|--|
| | | |
|--|--|--|

N. S. Dalgleish & Sons
 Monarch Battery Co.
 Queen's University
 R. T. Holman, Ltd.
 J. E. Palmer
 E. O. Swan
 Echo Park Evang. Assn.
 James R. Fouch
 Radio Sales Corp.
 University of Texas
 City of Pensacola
 WDEL, Inc.
 Marquette University
 Evening Wisconsin Co.
 Agricultural & Mech. College

1130 kilocycles 265.3 meters

CYF 100 Oaxaca, Mex.
 KFKB 5000 Milford, Kansas
 KSL 5000 Salt Lake City
 WOV 1000 New York City

| | | |
|--|--|--|
| | | |
|--|--|--|

F. Zonillo
 Dr. J. R. Brinkley
 Radio Service Corp. of Utah
 International Brdcastg. Corp.

1140 kilocycles 263.0 meters

KVOO 5000 Tulsa, Okla.
 WAPI 5000 Birmingham, Ala.

| | | |
|--|--|--|
| | | |
|--|--|--|

Southwestern Sales Corp.
 Alabama Polytechnic Institute

1150 kilocycles 260.7 meters

KGDM 10 Stockton, Calif.
 WHAM 5000 Rochester, N. Y.
 6BY 200 Cienfuegos, Cuba

| | | |
|--|--|--|
| | | |
|--|--|--|

E. F. Pepper
 Stromberg-Carlson Tel. Mfg. Co.
 Jose Ganduxe

INDEX BY FREQUENCIES AND DIAL NUMBERS

1160 kilocycles 258.5 meters

WOWO 10000 Ft. Wayne, Ind.
 WWVA 5000 Wheeling, W. Va.

| | | |
|--|--|--|
| | | |
|--|--|--|

Main Auto Supply Co.
 West Virginia Brdcastg. Corp.

1170 kilocycles 256.3 meters

KTNT 5000 Muscatine, Iowa
 WCAU 5000 Philadelphia, Pa.
 ZOL 100 Havana, Cuba

| | | |
|--|--|--|
| | | |
|--|--|--|

Norman Baker
 Universal Broadcasting Co.
 Oscar C. Orta

1180 kilocycles 254.1 meters

KEX 5000 Portland, Ore.
 KOB 10000 State College, N. M.
 WGBS 500 New York City
 WJJD 20000 Mooseheart, Ill.

| | | |
|--|--|--|
| | | |
|--|--|--|

Western Broadcasting Co.
 College of Agriculture
 General Broadcasting System
 Loyal Order of Moose

1190 kilocycles 252.0 meters

WICC 500 Bridgeport, Conn.
 WOAI 5000 San Antonio, Texas

| | | |
|--|--|--|
| | | |
|--|--|--|

Bridgeport Broadcasting Station
 Southern Equipment Co.

1200 kilocycles 249.9 meters

KFHA 50 Gunnison, Colo.
 KFJB 100 Marshalltown, Iowa
 KFKZ 50 Kirksville, Mo.
 KFWC 100 Ontario, Calif.
 KFWF 100 St. Louis, Mo.
 KGCU 100 Mandan, N. Dak.
 KGDE 50 Fergus Falls, Minn.
 KGDY 15 Oldham, S. Dak.
 KGEK 50 Yuma, Colo.
 KGEW 100 Fort Morgan, Colo.
 KGFK 50 Hallock, Minn.
 KGY 50 Lacey, Wash.
 KMJ 100 Fresno, Calif.
 KPPC 50 Pasadena, Calif.
 KSMR 100 Santa Maria, Calif.
 KVOS 100 Bellingham, Wash.
 KWG 100 Stockton, Calif.
 KXO 100 El Centro, Calif.
 WABI 100 Bangor, Maine
 WABZ 100 New Orleans, La.
 WBBW 100 Norfolk, Va.
 WBBY 75 Charleston, S. C.
 WBBZ 100 Ponca City, Okla.
 WCAT 100 Rapid City, S. Dak.
 WCAX 100 Burlington, Vt.
 WCLO 100 Kenosha, Wis.
 WEPS 100 Gloucester, Mass.
 WFBC 50 Knoxville, Tenn.
 WFBE 100 Cincinnati, Ohio
 WHBC 10 Canton, Ohio
 WHBY 100 West De Pere, Wis.
 WIBX 100 Utica, N. Y.
 WJBC 100 La Salle, Ill.
 WJBL 100 Decatur, Ill.
 WJBW 30 New Orleans, La.
 WKBE 100 Webster, Mass.
 WKJC 100 Lancaster, Pa.
 WLAP 30 Louisville, Ky.
 WLBG 100 Petersburg, Va.
 WMAV 100 St. Louis, Mo.
 WMT 100 Waterloo, Iowa
 WNBO 15 Washington, Pa.
 WNBW 5 Carbondale, Pa.
 WNBX 10 Springfield, Vt.
 WPRC 100 Harrisburg, Pa.
 WQBJ 65 Clarksburg, W. Va.
 WRAF 100 La Porte, Ind.
 WRBL 50 Columbus, Ga.
 WWAE 100 Hammond, Ind.
 ZBB 15 Havana, Cuba

| | | |
|--|--|--|
| | | |
|--|--|--|

Western College of Colorado
 Marshall Electric Co.
 State Teachers College
 James R. Fouch
 St. Louis Truth Center, Inc.
 Mandan Radio Association
 Jaren Drug Co.
 J. Albert Loesch
 Beehler Elec. Equipment Co.
 City of Fort Morgan
 Kittson County Enterprise
 St. Martin's College
 The Fresno Bee
 Pasadena Presbyterian Church
 Santa Maria Valley R. R. Co.
 L. Kesler
 Portable Wireless Tel. Co.
 E. R. Ireby and F. M. Bowles
 First Universalist Church
 Coliseum Place Baptist Church
 Ruffner Junior High School
 Washington Light Infantry
 C. L. Carrell
 State School of Mines
 University of Vermont
 C. E. Whitmore
 Matheson Radio Co., Inc.
 First Baptist Church
 Park View Hotel
 St. John's Catholic Church
 St. Norbert's College
 WIBX, Inc.
 Hummer Furniture Co.
 Wm. Gushard Dry Goods Co.
 Charles C. Carlson, Jr.
 K. & B. Electric Co.
 Kirk Johnson & Co.
 American Brdcastg. Corp. of Ky.
 Robert Allen Gamble
 Kingshighway Pres. Church
 Waterloo Broadcasting Co.
 John Brownlee Spriggs
 Home Cut Glass & China Co.
 First Congregational Church
 Wilson Printing & Radio Co.
 John Raikes
 The Radio Club, Inc.
 R. E. Martin
 Hammond-Calumet Brdcastg. Co.
 Bernardo Barrie

INDEX BY FREQUENCIES AND DIAL NUMBERS

1210 kilocycles 247.8 meters

| | | |
|------|-----|---------------------|
| CFCO | 25 | Chatham, Ont. |
| CFNB | 50 | Fredrickton, N. B. |
| CHWK | 5 | Chilliwack, B. C. |
| CKMK | 5 | Cobalt, Ont. |
| CKPC | 25 | Preston, Ont. |
| KDLR | 100 | Devils Lake, N. D. |
| KFEY | 10 | Kellogg, Idaho |
| KFOR | 100 | Lincoln, Nebr. |
| KFVS | 100 | Cape Girardeau, Mo. |
| KGCR | 100 | Brookings, S. D. |
| KGDP | 10 | Pueblo, Colo. |
| KPCB | 100 | Seattle, Wash. |
| KPQ | 100 | Seattle, Wash. |
| KWEA | 100 | Shreveport, La. |
| WBAX | 100 | Wilkes-Barre, Pa. |
| WCBS | 100 | Springfield, Ill. |
| WCOH | 100 | Greenville, N. Y. |
| WGRW | 100 | Chicago, Ill. |
| WDWF | 100 | Cranston, R. I. |
| WEBE | 100 | Cambridge, Ohio |
| WEBQ | 50 | Harrisburg, Ill. |
| WEDC | 100 | Chicago, Ill. |
| WGBB | 100 | Freepport, N. Y. |
| WGCM | 100 | Gulfport, Miss. |
| WHBF | 100 | Rock Island, Ill. |
| WHBU | 100 | Anderson, Ind. |
| WIBA | 100 | Madison, Wis. |
| WINR | 100 | Bay Shore, N. Y. |
| WJBI | 100 | Red Bank, N. J. |
| WJBU | 100 | Lewisburg, Pa. |
| WJBY | 50 | Gadsden, Ala. |
| WLBV | 100 | Mansfield, Ohio |
| WLCI | 50 | Ithaca, N. Y. |
| WLSI | 100 | Cranston, R. I. |
| WMAN | 50 | Columbus, Ohio |
| WMBG | 100 | Richmond, Va. |
| WMBR | 100 | Tampa, Fla. |
| WOCL | 25 | Jamestown, N. Y. |
| WOMT | 100 | Manitowoc, Wis. |
| WPAW | 100 | Pawtucket, R. I. |
| WRBO | 100 | Greenville, Miss. |
| WRBU | 100 | Gastonia, N. C. |
| WSBC | 100 | Chicago, Ill. |
| WSIX | 100 | Springfield, Tenn. |
| WTAX | 50 | Streator, Ill. |
| WTAZ | 15 | Richmond, Va. |

| | | |
|--|--|-------------------------------------|
| | | |
| | | Western Ontario "Better Radio" club |
| | | James S. Neill & Sons |
| | | Chilliwack Brdcstg. Co., Ltd. |
| | | R. L. MacAdam |
| | | Wallace Russ |
| | | Radio Electric Co. |
| | | Union High School |
| | | Howard A. Shuman |
| | | Hirsch Battery & Radio Co. |
| | | Cutler's Radio Brdcstg. Service |
| | | Boy Scouts of America |
| | | Pacific Coast Biscuit Co. |
| | | Archie Taft & Louis Wasmer |
| | | William E. Antony |
| | | John H. Stenger, Jr. |
| | | H. L. Dewing & Chas. Messter |
| | | Westchester Brdcstg. Corp. |
| | | Clinton R. White |
| | | Dutee W. Flint |
| | | Roy W. Waller |
| | | Tate Radio Co. |
| | | Emil Denmark, Inc. |
| | | Harry H. Carman |
| | | Gulf Coast Music Co. |
| | | Beardsley Specialty Co. |
| | | Citizens Bank |
| | | Capital Times-Strand Theatre |
| | | Radiotel Mfg. Co., Inc. |
| | | Robert S. Johnson |
| | | Bucknell University |
| | | Electric Construction Co. |
| | | Mansfield Broadcasting Assn. |
| | | Lutheran Assn. of Ithaca |
| | | The Lincoln Studios, Inc. |
| | | W. E. Heskitt |
| | | Havens & Martin, Inc. |
| | | F. J. Reynolds |
| | | A. E. Newton |
| | | Mikadow Theatre |
| | | Shartenburg & Robinson |
| | | J. Pat Scully |
| | | A. J. Kirby Music Co. |
| | | World Battery Co., Inc. |
| | | 638 Tire & Vulcanizing Co. |
| | | Williams Hardware Co. |
| | | W. Reynolds & T. J. McGuire |

1220 kilocycles 245.8 meters

| | | |
|------|------|-----------------|
| KFKU | 1000 | Lawrence, Kans. |
| WCAD | 500 | Canton N. Y. |
| WCAE | 500 | Pittsburgh, Pa. |
| WREN | 1000 | Lawrence, Kans. |

| | | |
|--|--|-------------------------|
| | | |
| | | University of Kansas |
| | | St. Lawrence University |
| | | Kaufman & Baer Co. |
| | | Jenny Wren Co. |

1230 kilocycles 243.8 meters

| | | |
|------|------|---------------------|
| KFTO | 100 | Spokane, Wash. |
| KFQD | 100 | Anchorage, Alaska |
| KYA | 1000 | San Francisco, Cal. |
| WBIS | 500 | Boston, Mass. |
| WGL | 500 | Ft. Wayne, Ind. |
| WFBM | 500 | Indianapolis, Ind. |
| WNAC | 500 | Boston, Mass. |
| WPSC | 500 | State College, Pa. |
| WSBT | 500 | South Bend, Ind. |

| | | |
|--|--|--------------------------------|
| | | |
| | | North Central High School |
| | | Anchorage Radio Club |
| | | Pacific Broadcasting Corp. |
| | | The Shepard Stores |
| | | Fred C. Zieg |
| | | Indianapolis Power & Light Co. |
| | | The Shepard Stores |
| | | Pennsylvania State College |
| | | South Bend Tribune |

1240 kilocycles 241.8 meters

| | | |
|------|------|-------------------|
| KTAT | 1000 | Ft. Worth, Texas |
| WGHP | 750 | Detroit, Mich. |
| WIOD | 1000 | Miami Beach, Fla. |
| WJAD | 1000 | Waco, Texas |
| WOAM | 750 | Miami, Fla. |
| WRBC | 500 | Valparaiso, Ind. |

| | | |
|--|--|---------------------------------|
| | | |
| | | Texas Air Transport Brdcst. Co. |
| | | American Brdcstg. Corp. |
| | | Isle of Dreams Brdcstg. Co. |
| | | Frank P. Jackson |
| | | Electrical Equipment Co. |
| | | Immanuel Lutheran Church |

INDEX BY FREQUENCIES AND DIAL NUMBERS

1250 kilocycles 239.9 meters

| | | |
|------|------|----------------------|
| KEJK | 500 | Los Angeles, Cal. |
| KFMX | 1000 | Northfield, Minn. |
| KFOX | 1000 | Long Beach, Cal. |
| KIDO | 1000 | Boise, Idaho |
| KXL | 500 | Portland, Ore. |
| WAAM | 500 | Newark, N. J. |
| WCAL | 1000 | Northfield, Minn. |
| WGCP | 250 | Newark, N. J. |
| WGMS | 1000 | St. Paul-Minneapolis |
| WLB | 1000 | Minneapolis, Minn. |
| WODA | 1000 | Paterson, N. J. |
| WRHM | 1000 | Minneapolis, Minn. |

| |
|-----------------------------|
| R. S. MacMillan |
| Carleton College |
| Nichols & Warinner, Inc. |
| Boise Brdcstg. Station |
| KXL Broadcasters |
| WAAM, Inc. |
| St. Olaf College |
| May Radio Broadcast Corp. |
| Washburn-Crosby Co. |
| University of Minnesota |
| Richard E. O'Dea |
| Rosedale Hospital Co., Inc. |

1260 kilocycles 238.0 meters

| | | |
|------|------|----------------------|
| KOIL | 1000 | Council Bluffs, Iowa |
| KRGV | 500 | Harlingen, Texas |
| KWWG | 500 | Brownsville, Texas |
| WJAX | 1000 | Jacksonville, Fla. |
| WLBW | 500 | Oil City, Pa. |

| |
|-------------------------|
| Mona Motor Oil Co. |
| Harlingen Music Co. |
| Chamber of Commerce |
| City of Jacksonville |
| Petroleum Telephone Co. |

1270 kilocycles 236.1 meters

| | | |
|------|------|-----------------------|
| KFUM | 1000 | Colorado Spgs., Colo. |
| KGCA | 50 | Decorah, Iowa |
| KOL | 1000 | Seattle, Wash. |
| KTW | 1000 | Seattle, Wash. |
| KWLC | 50 | Decorah, Iowa |
| WASH | 250 | Grand Rapids, Mich. |
| WDSU | 1000 | New Orleans, La. |
| WEAI | 500 | Ithaca, N. Y. |
| WFBR | 250 | Baltimore, Md. |
| WOOD | 500 | Grand Rapids, Mich. |

| |
|---------------------------|
| W. D. Corley |
| Charles W. Greenley |
| Rhodes Department Store |
| First Presbyterian Church |
| Luther College |
| Baxter Laundries, Inc. |
| Joseph H. Uhalt |
| Cornell University |
| Baltimore Radio Show |
| Walter B. Stiles, Inc. |

1280 kilocycles 234.2 meters

| | | |
|------|------|--------------------|
| WCAM | 500 | Camden, N. J. |
| WCAP | 500 | Asbury Park, N. J. |
| WDAY | 1000 | Fargo N. Dak. |
| WDOO | 1000 | Chattanooga, Tenn. |
| WEBC | 1000 | Superior, Wis. |
| WOAX | 500 | Trenton, N. J. |
| WRR | 500 | Dallas, Texas |
| 2LR | 50 | Havana, Cuba |

| |
|--------------------------------|
| City of Camden |
| Radio Industries Broadcast Co. |
| WDAY, Inc. |
| Chattanooga Radio Co., Inc. |
| Head of Lakes Brdcstg. Co. |
| Franklyn J. Wolff |
| City of Dallas |
| Jose Lara |

1290 kilocycles 232.4 meters

| | | |
|------|------|---------------------|
| KDYL | 1000 | Salt Lake City |
| KFUL | 500 | Galveston, Texas |
| KLCN | 50 | Blytheville, Ark. |
| KTSA | 1000 | San Antonio, Texas |
| WJAS | 1000 | Pittsburgh, Pa. |
| WNBZ | 10 | Saranac Lake, N. Y. |

| |
|-------------------------------|
| Intermountain Brdcstg. Corp. |
| Will H. Ford |
| C. L. Lintzrnich |
| Lone Star Broadcast Co. |
| Pittsburgh Radio Supply House |
| Smith & Mace |

1300 kilocycles 230.6 meters

| | | |
|------|------|---------------------|
| KFH | 1000 | Wichita, Kansas |
| KFJR | 500 | Portland, Ore. |
| KGEF | 1000 | Los Angeles, Calif. |
| KTBI | 1000 | Los Angeles, Calif. |
| KTBR | 500 | Portland Ore. |
| WBRR | 1000 | Rooseville, N. Y. |
| WEVD | 500 | Woodhaven, N. Y. |
| WHAP | 1000 | New York City |
| WHAZ | 500 | Troy, N. Y. |
| WIBW | 1000 | Topeka, Kansas |

| |
|----------------------------------|
| Hotel Lassen |
| Ashley C. Dixon & Son |
| Trinity Methodist Church |
| Bible Institute of Los Angeles |
| M. E. Brown |
| Peoples Pulpit Association |
| Eugene V. Debs Memorial Fund |
| Defenders of Truth Society, Inc. |
| Rensselaer Polytechnic Institute |
| C. L. Carrell |

INDEX BY FREQUENCIES AND DIAL NUMBERS

1310 kilocycles 228.9 meters

| | | |
|-------|-----|--------------------|
| KFBK | 100 | Sacramento, Calif. |
| KFCB | 100 | Phoenix, Ariz. |
| KFGO | 100 | Boone, Iowa |
| KFIU | 10 | Juneau, Alaska |
| KFJY | 100 | Ft. Dodge, Iowa |
| KFPL | 15 | Dublin, Texas |
| KFPFM | 15 | Greenville, Texas |
| KFUP | 100 | Denver, Colo. |
| KFXJ | 50 | Edgewater, Colo. |
| KFXR | 100 | Oklahoma City |
| KGEZ | 100 | Kalispell, Mont. |
| KGFI | 100 | San Angelo, Texas |
| KGGH | 50 | Cedar Grove, La. |
| KGHG | 50 | McGeehee, Ark. |
| KMED | 50 | Medford, Ore. |
| KRMD | 50 | Shreveport, La. |
| KWCR | 100 | Cedar Rapids, Iowa |
| WABY | 50 | Philadelphia, Pa. |
| WAGM | 50 | Royal Oak, Mich. |
| WBMH | 100 | Detroit, Mich. |
| WBOW | 100 | Terre Haute, Ind. |
| WBRE | 100 | Wilkes-Barre, Pa. |
| WCLS | 100 | Joliet, Ill. |
| WDAH | 100 | El Paso, Texas |
| WEBR | 100 | Buffalo, N. Y. |
| WEHS | 100 | Evanston, Ill. |
| WFBG | 100 | Altoona, Pa. |
| WFDF | 100 | Flint, Mich. |
| WFKD | 50 | Philadelphia, Pa. |
| WGAL | 15 | Lancaster, Pa. |
| WGH | 100 | Newport News, Va. |
| WHBP | 100 | Johnstown, Pa. |
| WHFC | 100 | Chicago, Ill. |
| WIBU | 100 | Poynette, Wis. |
| WJAK | 50 | Kokomo, Ind. |
| WKAV | 100 | Laconia, N. H. |
| WKBB | 100 | Joliet, Ill. |
| WKBC | 10 | Birmingham, Ala. |
| WKBI | 50 | Chicago, Ill. |
| WKBS | 100 | Galesburg, Ill. |
| WLBC | 50 | Muncie, Ind. |
| WLBO | 100 | Galesburg, Ill. |
| WMBL | 100 | Lakeland, Fla. |
| WNAT | 100 | Philadelphia, Pa. |
| WNBH | 100 | New Bedford, Mass. |
| WNBJ | 50 | Knoxville, Tenn. |
| WOBT | 15 | Union City, Tenn. |
| WOL | 150 | Washington, D. C. |
| WRAW | 100 | Reading, Pa. |
| WRBI | 20 | Tifton, Ga. |
| WRBW | 100 | Columbia, S. C. |
| WRK | 100 | Hamilton, Ohio |
| WSAJ | 100 | Grove City, Pa. |
| WSMD | 100 | Salisbury, Md. |
| WTHS | 100 | Atlanta, Ga. |

| |
|---------------------------------|
| Kimball-Upson Co. |
| Nielson Radio Supply Co. |
| Boone Biblical College |
| Alaska Elec. Light & Power Co. |
| C. S. Tunwall |
| C. C. Baxter |
| The New Furniture Co. |
| Fitzsimmons General Hospital |
| R. G. Howell |
| Exchange Ave. Baptist Church |
| Flathead Broadcasting Assn. |
| San Angelo Broadcasting Co. |
| Bates Radio & Electric Co. |
| Chas. W. McCollum |
| W. J. Virgin |
| Robert M. Dean |
| H. E. Paar |
| John Magaldi, Jr. |
| Robert L. Miller |
| Braun's Music House |
| Banks of Wabash Brdctsg. Assn. |
| Louis G. Baltimore |
| WCLS, Inc. |
| Trinity Methodist Church |
| H. H. Howell |
| Victor C. Carlson |
| Wm. F. Cable Co. |
| Frank D. Fallain |
| Foulkrod Radio Engineering Co. |
| Lancaster Electric Supply Co. |
| Virginia Brdgstg. Co., Inc. |
| Johnstown Automobile Co. |
| Goodson & Wilson, Inc. |
| William C. Forrest |
| J. A. Kautz-Kokomo Tribune |
| Laconia Radio Club |
| Sanders Bros. |
| H. I. Ansley |
| Fred L. Schoenwolf |
| Permil N. Nelson |
| Donald A. Burton |
| Fred A. Trebbe, Jr. |
| Benford's Radio Studios |
| Lennig Bros. Co. |
| New Bedford Broadcasting Co. |
| Lonsdale Baptist Church |
| Tittsworth's Radio & Music Shop |
| American Broadcasting Co. |
| Avenue Radio & Electric Shop |
| Kent's Furniture & Music Store |
| Paul S. Pearce |
| S. W. Doron & J. C. Slade |
| Grove City College |
| Tom F. Little |
| Technical High School |

1320 kilocycles 227.1 meters

| | | |
|------|------|-------------------|
| KGHB | 250 | Honolulu, Hawaii |
| KGHF | 250 | Pueblo, Colo. |
| KGIO | 250 | Idaho Falls, Ida. |
| KGIQ | 250 | Twin Falls, Ida. |
| WADC | 1000 | Akron, Ohio |
| WSMB | 750 | New Orleans, La. |

| |
|----------------------------------|
| Radio Sales Co. |
| C. P. Ritchie & J. E. Finch |
| Jack W. Duckworth, Jr. |
| Stanley M. Soule |
| Allen T. Simmons |
| Saenger Theatre & Maison Blanche |

1330 kilocycles 225.4 meters

| | | |
|------|------|-------------------|
| CYM | 1500 | Torreón, Mexico |
| KSCJ | 1000 | Sioux City, Iowa |
| WDRG | 500 | New Haven, Conn. |
| WTAQ | 1000 | Eau Claire, Wisc. |

| |
|-----------------------|
| Perkins Bros. Co. |
| Doolittle Radio Corp. |
| Gillette Rubber Co. |

1340 kilocycles 223.7 meters

| | | |
|------|------|----------------------|
| KFPW | 50 | Siloam Springs, Ark. |
| KMO | 500 | Tacoma, Wash. |
| KVI | 1000 | Tacoma, Wash. |
| WSPD | 500 | Toledo, Ohio |

| |
|--------------------------|
| Rev. Lannie W. Stewart |
| KMO, Inc. |
| Puget Sound Brdctsg. Co. |
| Toledo Broadcasting Co. |

INDEX BY FREQUENCIES AND DIAL NUMBERS

1350 kilocycles 222.1 meters

KWK 1000 St. Louis, Mo.
 WBNY 250 New York City
 WCDA 250 Brooklyn, N. Y.
 WKBQ 250 New York City
 WMSG 250 New York City

| | | |
|--|--|--|
| | | |
| Greater St. Louis Brdcstg. Corp. Baruchrome Corp. Italian Educ. Brdcstg. Co. Standard Cahill Co., Inc. Madlson Square Garden | | |

1360 kilocycles 220.4 meters

KFBB 250 Havre, Mont.
 KGB 250 San Diego, Calif.
 KGIR 250 Butte, Mont.
 WBET 500 Boston, Mass.
 WGES 500 Chicago, Ill.
 WJKS 500 Gary, Ind.
 WMAF 500 S. Dartmouth, Mass.
 WQBC 300 Utica, Miss.

| | | |
|--|--|--|
| | | |
| F. A. Buttery Co. Pickwick Brdcstg. Corp. Symons Broadcasting Co. Boston Transcript Co. Oak Leaves Broadcasting Corp. Johnson-Kennedy Radio Corp. Round Hills Radio Corp. Chamber of Commerce | | |

1370 kilocycles 218.7 meters

KFBL 50 Everett, Wash.
 KFEG 100 Portland, Ore.
 KFJI 50 Astoria, Ore.
 KFJZ 100 Ft. Worth, Texas
 KFLX 100 Galveston, Texas
 KFUR 50 Ogden, Utah
 KGAR 100 Tucson, Ariz.
 KGBX 100 St. Joseph, Mo.
 KGCB 100 Enid, Okla.
 KGCI 100 San Antonio, Texas
 KGDA 15 Dell Rapids, S. D.
 KGER 100 Long Beach, Cal.
 KGFG 100 Oklahoma City
 KGFL 50 Raton, N. M.
 KGGM 100 Albuquerque, N. M.
 KGKL 100 San Angelo, Texas
 KGRC 100 San Antonio, Texas
 KKP 15 Seattle, Wash.
 KOH 100 Reno, Nevada
 KOOS 50 Marshfield, Ore.
 KRE 100 Berkeley, Calif.
 KVL 100 Seattle, Wash.
 KWKC 100 Kansas City, Mo.
 KZM 100 Hayward, Calif.
 WBBL 100 Richmond, Va.
 WCBM 100 Baltimore, Md.
 WEAM 100 Plainfield, N. J.
 WELK 100 Philadelphia, Pa.
 WFBJ 100 Collegeville, Minn.
 WHBD 100 Bellefontaine, Ohio
 WHBQ 100 Memphis, Tenn.
 WHDF 100 Calumet, Mich.
 WIBM 100 Jackson, Mich.
 WJBK 50 Ypsilanti, Mich.
 WJBO 100 New Orleans, La.
 WMBO 100 Auburn, N. Y.
 WRAC 50 Erie, Pa.
 WRBT 50 Wilmington, N. C.
 WRJN 100 Racine, Wis.
 WSVS 50 Buffalo, N. Y.

| | | |
|--|--|--|
| | | |
| Leese Broa. Meier & Frank Co. George Kincaid Henry C. Allison George Roy Clough Peery Building Co. Citizens Publishing Co. Foster-Hall Tire Co. Champlin Refining Co. Liberto Radio Sales Home Auto Co. C. Merwin Dobyngs Faith Tabernacle Assn. N. L. Corter Jay Peters KGKL, Inc., Oper. by Ragsdale Auto Co. Eugene Roth City of Seattle Jay Peters H. H. Hanseth First Congregational Church Arthur C. Dailey Wilson Duncan Brdcstg. Co. Leon P. Tenney Grace Covenant Presbyterian Church Hotel Chateau W. J. Butterfield Howard R. Miller St. John's University First Presbyterian Church Broadcasting Station WHBQ, Inc. Chas. C. MacLeod C. L. Carrell Ernest F. Goodwin Valdemar Jensen Radio Service Laboratories C. R. Cummins Wilmington Radio Association Racine Broadcasting Corp. Seneca Vocational School | | |

1380 kilocycles 217.3 meters

KQV 500 Pittsburgh, Pa.
 KSO 1000 Clarinda, Iowa
 WCSO 500 Springfield, Ohio
 WKBH 1000 La Crosse, Wisc.

| | | |
|---|--|--|
| | | |
| Doubleday-Hill Electric Co. Berry Seed Co. Wittenberg College Callaway Music Co. | | |

1390 kilocycles 215.7 meters

KFPY 500 Spokane, Wash.
 KLRA 1000 Little Rock, Ark.
 KOW 500 Denver, Colo.
 KUOA 1000 Fayetteville, Ark.
 KWSC 500 Pullman Wash
 WDGY 500 Minneapolis, Minn.
 WHDI 500 Minneapolis, Minn.
 WHK 1000 Cleveland, Ohio

| | | |
|--|--|--|
| | | |
| Symons Investment Co. Arkansas Broadcasting Co. Associated Industries, Inc. University of Arkansas State College of Washington Dr. George W. Young Wm. Hood Dunwoody Indus. Institute Radio Air Service Corp. | | |

INDEX BY FREQUENCIES AND DIAL NUMBERS

1400 kilocycles 214.2 meters

| | | |
|------|-----|---------------------|
| WBAA | 500 | Lafayette, Ind. |
| WBBC | 250 | Brooklyn, N. Y. |
| WCGU | 500 | Coney Island, N. Y. |
| WCMA | 500 | Culver, Ind. |
| WKBF | 500 | Indianapolis, Ind. |
| WLTH | 500 | Brooklyn, N. Y. |
| WSGH | 500 | Brooklyn, N. Y. |

| | | |
|--|--|--|
| | | |
|--|--|--|

Purdue University
Brooklyn Broadcasting Corp.
U. S. Broadcasting Corp.
Culver Military Academy
Noble Butler Watson
The Voice of Brooklyn, Inc.
Amateur Radio Specialty Co.

1410 kilocycles 212.6 meters

| | | |
|------|------|-----------------|
| KFLV | 500 | Rockford, Ill. |
| KGRS | 1000 | Amarillo, Tex. |
| WDAG | 1000 | Amarillo, Texas |
| WHBL | 500 | Sheboygan, Wis. |
| WBCM | 500 | Bay City, Mich. |

| | | |
|--|--|--|
| | | |
|--|--|--|

A. T. Frykman
Gish Radio Service
J. Laurence Martin
Press Pub. Co. & C. L. Carrell
World's Star Knitting Co.

1420 kilocycles 211.1 meters

| | | |
|-------|-----|---------------------|
| KPIF | 50 | Portland, Ore. |
| KPIZ | 100 | Fond du Lac, Wis. |
| KFOU | 100 | Holy City, Calif. |
| KFQW | 100 | Seattle, Wash. |
| KFXD | 50 | Jerome, Idaho |
| KFKY | 100 | Flagstaff, Ariz. |
| KFYO | 100 | Abilene, Tex. |
| KGCN | 50 | Concordia, Kansas |
| KGCX | 10 | Vida, Mont. |
| KGFF | 100 | Alva, Okla. |
| KGFFJ | 100 | Los Angeles, Calif. |
| KGFW | 50 | Ravenna, Nebr. |
| KGHD | 50 | Missoula, Mont. |
| KGIW | 100 | Trinidad, Colo. |
| KGKX | 15 | Sandpoint, Idaho |
| KGTT | 50 | San Francisco, Cal. |
| KICK | 100 | Red Oak, Iowa |
| KOCW | 100 | Chickasha, Okla. |
| KORE | 100 | Eugene, Ore. |
| KTAP | 100 | San Antonio, Tex. |
| KTUE | 5 | Houston, Texas |
| KXRO | 75 | Aberdeen, Wash. |
| WAAD | 25 | Cincinnati, Ohio |
| WEDH | 30 | Erie, Pa. |
| WHDL | 10 | Tupper Lake, N. Y. |
| WHPP | 10 | New York City |
| WIAS | 100 | Ottumwa, Iowa |
| WIBR | 50 | Stuebenville, Ohio |
| WIL | 100 | St. Louis, Mo. |
| WKBP | 50 | Battle Creek, Mich. |
| WLBK | 100 | Kansas City, Mo. |
| WLBB | 30 | Farmingdale, N. Y. |
| WLEX | 100 | Lexington, Mass. |
| WMBG | 100 | Detroit, Mich. |
| WMBH | 100 | Joplin, Mo. |
| WMRJ | 10 | Jamaica, N. Y. |
| WOBZ | 60 | Weirton, W. Va. |
| WSRO | 100 | Middletown, Ohio |
| WSSH | 100 | Boston, Mass. |
| WTBO | 30 | Cumberland, Md. |

| | | |
|--|--|--|
| | | |
|--|--|--|

Benson Polytechnic Institute
Commonwealth-Reporter
W. E. Riker
KFQW, Inc.
Service Radio Co.
Mary M. Costigan
T. E. Kirksey
Concordia Broadcasting Co.
First State Bank
Earl E. Hampshire
Ben S. McGlashan
Otto F. Sothman
Elmore-Nash Broadcasting Corp.
Trinidad Creamery Co., Inc.
C. E. Twiss
Glad Tidings Temple
Atlantic Automobile Co.
College for Women
Eugene Broadcasting Station
Robert B. Bridge
Uhalt Electric
KXRO, Inc.
Ohio Mechanics Institute
Erie Dispatch-Herald
George Franklin Bissell
Bronx Broadcasting Co.
Polling Electric Co.
Thurman A. Owings
WIL Broadcasting Corp.
Enquirer-News Co.
Everett L. Dillard
Joseph J. Lombardi
Lexington Air Station
Michigan Broadcasting Co., Inc.
Edwin Dudley Aber
Peter J. Prinz
J. H. Thompson
Harry W. Fahrlander
Tremont Temple Baptist Church
Cumberland Electric Co.

1430 kilocycles 209.7 meters

| | | |
|------|-----|-----------------|
| WBAA | 500 | Harrisburg, Pa. |
| WBRL | 500 | Tilton, N. H. |
| WCAH | 250 | Columbus, Ohio |
| WGBG | 500 | Memphis, Tenn. |
| WMBS | 500 | Lemoyne, Pa. |
| WNBR | 500 | Memphis, Tenn. |

| | | |
|--|--|--|
| | | |
|--|--|--|

Penna. State Police
Booth Radio Laboratories
Commercial Radio Service Co.
First Baptist Church
Mack's Battery Co.
John Ulrich

1440 kilocycles 208.2 meters

| | | |
|------|-----|------------------|
| KLS | 250 | Oakland, Calif. |
| WABF | 250 | Kingston, Pa. |
| WABO | 500 | Rochester, N. Y. |
| WBCA | 250 | Allentown, Pa. |
| WHCC | 500 | Rochester, N. Y. |

| | | |
|--|--|--|
| | | |
|--|--|--|

Warner Bros.
Markle Broadcasting Corp.
Lake Ave. Baptist Church
B. B. Musselman
Hickson Electric Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

WMBD 500 Peoria Heights, Ill.
WNRC 500 Greensboro, N. C.
WOKO 500 Peekskill, N. Y.
WSAN 250 Allentown, Pa.
WTAD 500 Quincy, Ill.

Peoria Heights Radio Laboratory
 Wayne M. Nelson
 Harold E. Smith
 Allentown Call Publishing Co
 Ills. Stock Medicine Brdcsrg. Corp.

1450 kilocycles 206.8 meters

KSBA 1000 Shreveport, La.
WBMS 250 Union City, N. J.
WFJC 500 Akron, Ohio
WIBS 250 Elizabeth, N. J.
WJAY 500 Cleveland, Ohio
WKBO 250 Jersey City, N. J.
WNJ 250 Newark, N. J.
WSAR 250 Fall River, Mass.
WTFI 500 Toccoa, Ga.

W. G. Patterson
WBMS Broadcasting Corp.
 W. F. Jones Broadcast, Inc.
New Jersey Broadcasting Corp.
Cleveland Radio Brdcsrg. Corp.
 Camith Corp.
 Radio Investment Co.
 Doughty & Welch Electric Co.
 Toccoa Falls Institute

1460 kilocycles 205.4 meters

KSTP 10000 St. Paul, Minn.
WJSV 10000 Washington, D. C.

National Battery Brdcsrg. Co.
Independent Publishing Co.

1470 kilocycles 204.0 meters

KFJF 1000 Oklahoma City
KGA 5000 Spokane, Wash.
WKBW 5000 Buffalo, N. Y.
WRUF 5000 Gainesville, Fla.

National Radio Mfg. Co.
Northwest Radio Service Co.
Churchill Evangelistic Assn.
 University of Florida

1480 kilocycles 202.6 meters

WJAZ 5000 Chicago, Ill.
WORD 5000 Batavia, Ill.
WHT 5000 Chicago, Ill.

Zenith Radio Corp.
People's Pulpit Association
Radiophone Brdcsrg. Corp.

1490 kilocycles 201.2 meters

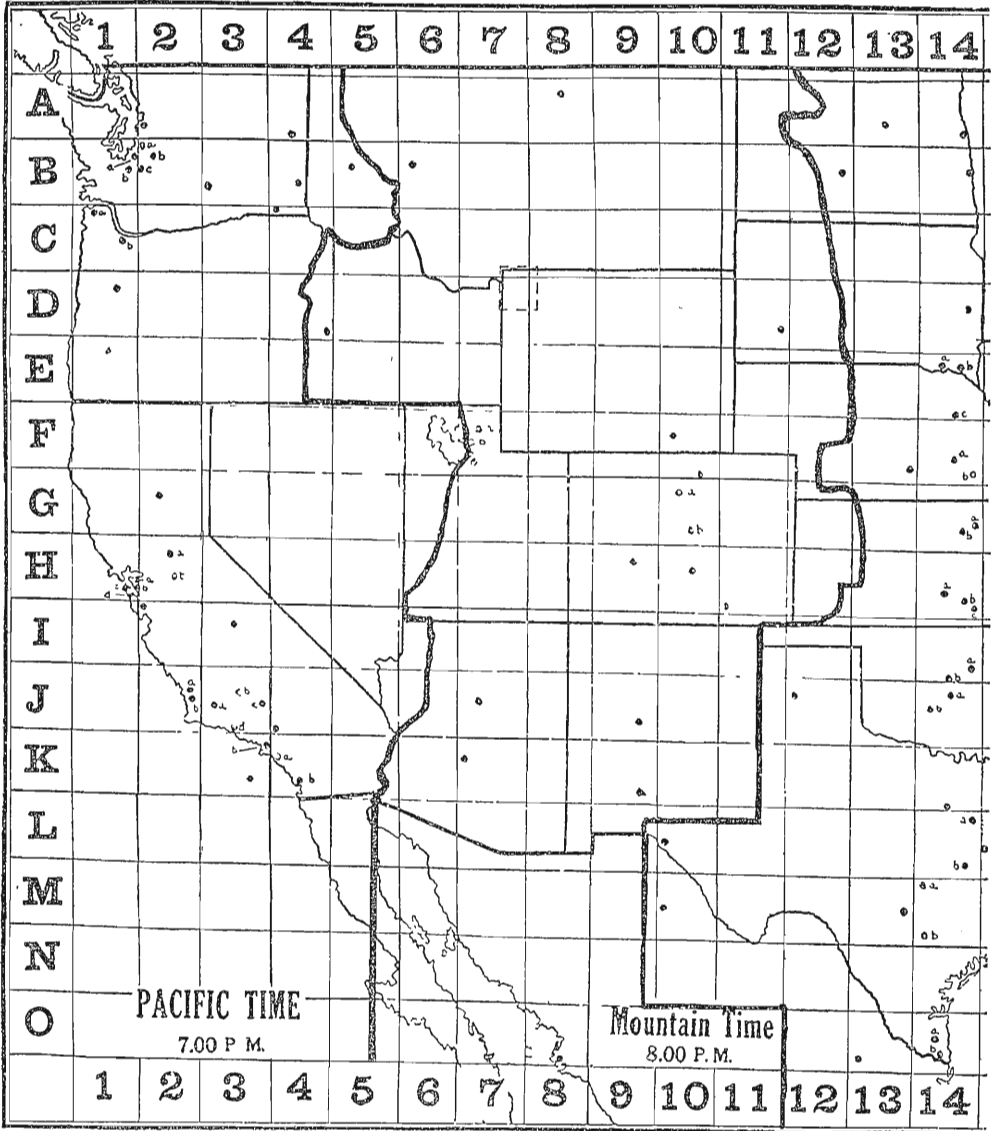
KPWF 50000 Westminster, Calif.
WBAW 5000 Nashville, Tenn.
WIAC 5000 Nashville, Tenn.
WFBL 1000 Syracuse, N. Y.

Pacific Western Brdcsrg. Fed.
Waldrum Drug Co.
Life & Casualty Insurance Co.
The Onondaga Co.

1500 kilocycles 199.9 meters

KFCR 100 Santa Barbara, Cal.
EGDR 100 San Antonio, Tex.
EGKB 100 Brownwood, Tex.
KGHI 100 Little Rock, Ark.
KGHX 50 Richmond, Texas
EPJM 100 Prescott, Ariz.
KUJ 10 Longview, Wash.
KWBS 15 Portland, Ore.
KWTC 100 Santa Ana, Calif.
WAFD 100 Detroit, Mich.
WALK 50 Willow Grove, Pa.
WCLB 100 Brooklyn, N. Y.
WHBW 100 Philadelphia, Pa.
WBZ 15 Montgomery, Ala.
WILM 100 Wilmington, Del.
WKBV 100 Brookville, Ind.
WKBZ 50 Ludington, Mich.
WLBX 100 Long Island City, N. Y.
WLOE 100 Chelsea, Mass.
WMBA 100 Newport, R. I.
WMBJ 100 Wilkinsburg, Pa.
WMBM 10 Memphis, Tenn.
WMBQ 100 Brooklyn, N. Y.
WMES 50 Boston, Mass.
WMPG 30 Lapeer, Mich.
WNEF 50 Binghamton, N. Y.
WNBQ 15 Rochester, N. Y.
WOO 100 Philadelphia, Pa.
WPSW 50 Philadelphia, Pa.
WRBJ 10 Hattiesburg, Miss.
WWRL 100 Woodside, N. Y.

Santa Barbara Brdcsrg. Co.
 Joe B. McShane
Eagle Publishing Co.
 Berean Bible Class
Ft. Bend County School Board
 Frank Wilburn
 Lovejoy & Kerfoot
Schaeffer Radio Co.
Pacific Broadcasting Foundation
Albert B. Parfet Co.
 Albert A. Walker
 Arthur Faske
 D. R. Kienzie
 Alexander D. Trum
Delaware Brdcsrg. Co.
Knox Battery & Electric Co.
 K. L. Ashbacher
 John N. Brahy
 William S. Pote
 LeRoy Joseph Beebe
 Rev. John W. Sproul
Seventh Day Adventist Church
 Paul J. Gollhofer
Mass. Educational Society
 First M. E. Church
Howitt-Wood Radio Co.
 Gordon P. Brown
 John Wanamaker
School of Wireless Telegraphy
Woodruff Furniture Co.
 Wm. H. Reuman



The Radex Press,
P. O. Box 143, Cleveland, Ohio.

Begin With No. 27

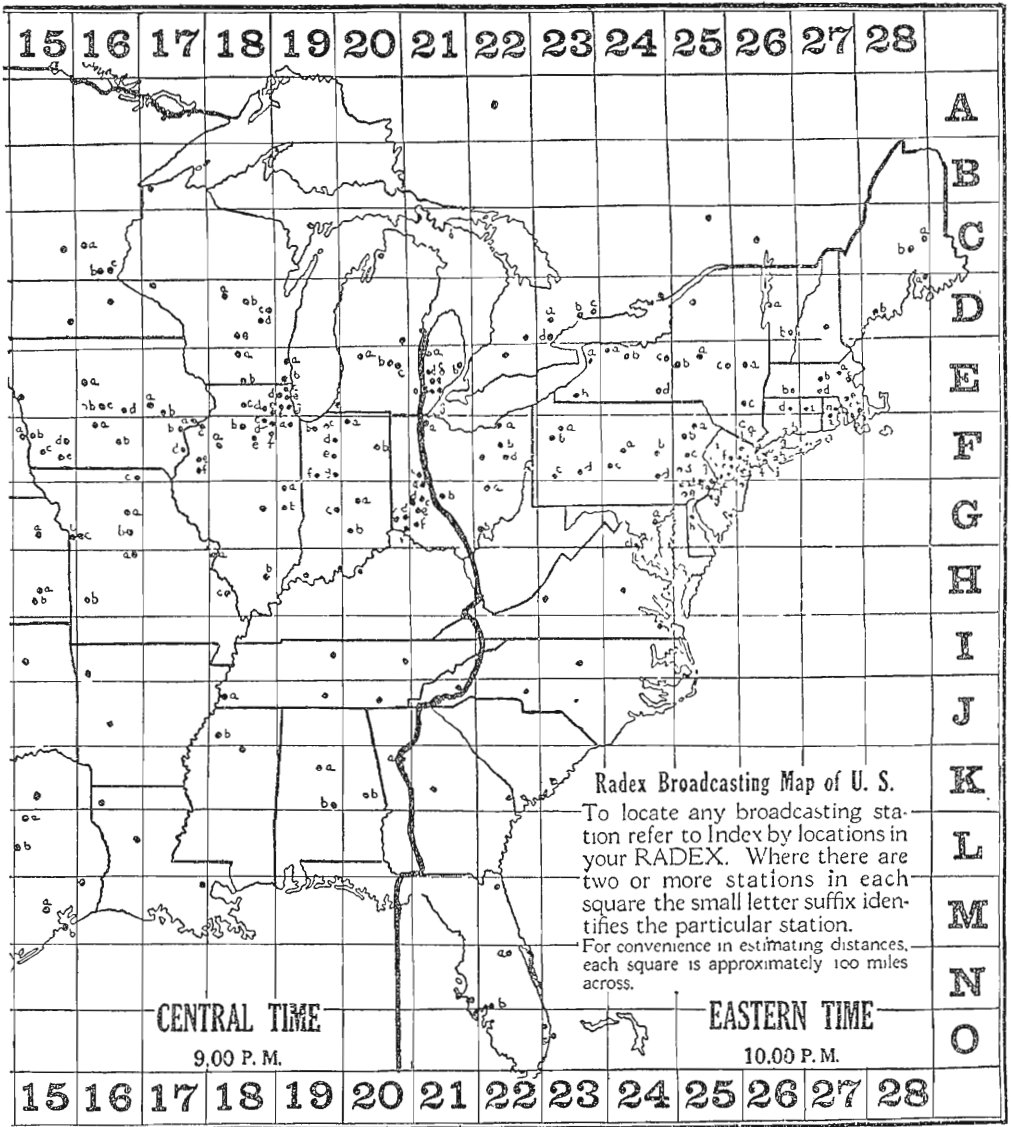
Renewal or
New Subscription

Please enter my subscription for one year (six issues) for which I enclose \$1.00. Also send me the leatherette cover for which I enclose 50c. (Cross out if not wanted).

Write Name Plainly.....

Street and No.....

City and State.....



RADEX is published monthly during the six winter months. The price is 25c per copy or \$1.00 for the year of six issues. If you desire to be up-to-date in radio and to be kept informed of the frequent changes in stations, please fill in the coupon on this page and mail it at once.

In answer to many requests we have had prepared a beautiful leatherette cover stamped in gold. This cover is not only an ornament to even the finest set but it protects your RADEX from wear and gives a solid backing for making entries. The price of this cover is 50c or we will send one free for two yearly subscriptions. Send your own and a friend's subscription and we will send you one of these beautiful covers free.

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | | | |
|-----------------------|------|--|--|--|-------------------|-------------|--|--|--|
| CFAC | 690 | | | | CHYC | 730 | | | |
| Calgary, Alta. | | | | | Montreal, Que. | | | | |
| CFBO | 890 | | | | CJBC | 580-840-960 | | | |
| St John, N. B. | | | | | Toronto, Ont. | | | | |
| CFCA | 840 | | | | CJBR | 960 | | | |
| Toronto, Ont. | | | | | Regina, Sask. | | | | |
| CFCF | 730 | | | | CJCA | 580 | | | |
| Montreal, Que. | | | | | Edmonton, Alta. | | | | |
| CFCH | 600 | | | | CJCJ | 690 | | | |
| Iroquois Falls, Ont. | | | | | Calgary, Alta. | | | | |
| CFCL | 580 | | | | CJGC | 910 | | | |
| Toronto, Ont. | | | | | London, Ont. | | | | |
| CFCN | 690 | | | | CJGX | 630 | | | |
| Calgary, Alta. | | | | | Yorkton, Sask. | | | | |
| CFCO | 1210 | | | | CJHS | 910 | | | |
| Chatham, Ont. | | | | | Saskatoon, Sask. | | | | |
| CFCT | 630 | | | | CJOC | 1120 | | | |
| Victoria, B. C. | | | | | Lethbridge, Alta. | | | | |
| CFCY | 960 | | | | CJOR | 1030 | | | |
| Charlottetown, P.E.I. | | | | | Sea Island, B. C. | | | | |
| CFJC | 1120 | | | | CJRM | 1010 | | | |
| Kamloops, B. C. | | | | | Moose Jaw, Sask. | | | | |
| CFLC | 1010 | | | | CJRW | 1010 | | | |
| Prescott, Ont. | | | | | Fleming, Sask. | | | | |
| CFMC | 1120 | | | | CJSC | 580 | | | |
| Kingston, Ont. | | | | | Toronto, Ont. | | | | |
| CFNB | 1210 | | | | CKAC | 730 | | | |
| Fredericton, N. B. | | | | | Montreal, Que. | | | | |
| CFQC | 910 | | | | CKCD | 730 | | | |
| Saskatoon, Sask. | | | | | Vancouver, B. C. | | | | |
| CFRB | 960 | | | | CKCI | 880 | | | |
| Twp. of King, Ont. | | | | | Quebec, Que. | | | | |
| CFRC | 1120 | | | | CKCK | 960 | | | |
| Kingston, Ont. | | | | | Regina, Sask. | | | | |
| CHCA | 690 | | | | CKCL | 580 | | | |
| Calgary, Alta. | | | | | Toronto, Ont. | | | | |
| CHCK | 960 | | | | CKCO | 690 | | | |
| Charlottetown, P.E.I. | | | | | Ottawa, Ont. | | | | |
| CHCS | 880 | | | | CKCR | 1010 | | | |
| Hamilton, Ont. | | | | | Brantford, Ont. | | | | |
| CHCT | 840 | | | | CKCV | 880 | | | |
| Red Deer, Alta. | | | | | Quebec, Que. | | | | |
| CHGS | 1120 | | | | CKFC | 730 | | | |
| Summerside, P. E. I. | | | | | Vancouver, B. C. | | | | |
| CHLS | 730 | | | | CKGW | 960 | | | |
| Vancouver, B. C. | | | | | Bowmanville, Ont. | | | | |
| CHMA | 580 | | | | CKLC | 840 | | | |
| Edmonton, Alta. | | | | | Red Deer, Alta. | | | | |
| CHML | 880 | | | | CKMC | 1210 | | | |
| Hamilton, Ont. | | | | | Cobalt, Ont. | | | | |
| CHNC | 580 | | | | CKMO | 730 | | | |
| Toronto, Ont. | | | | | Vancouver, B. C. | | | | |
| CHNS | 930 | | | | CKNC | 580 | | | |
| Halifax, N. S. | | | | | Toronto, Ont. | | | | |
| CHRC | 880 | | | | CKOC | 880 | | | |
| Quebec, Que. | | | | | Hamilton, Ont. | | | | |
| CHWC | 960 | | | | CKOW | 840 | | | |
| Regina, Sask. | | | | | Toronto, Ont. | | | | |
| CHWK | 1210 | | | | CKPC | 1210 | | | |
| Chilliwack, B. C. | | | | | Preston, Ont. | | | | |

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | | | |
|---------------------|------|--|--|--|-----------------------|------|--|--|--|
| CKPR | 1120 | | | | CYY | 550 | | | |
| Midland, Ont. | | | | | Merida, Mex. | | | | |
| CKSH | 1010 | | | | CZE | 860 | | | |
| St. Hyacinthe, Que. | | | | | Mexico City | | | | |
| CKUA | 580 | | | | CZF | 970 | | | |
| Edmonton, Alta. | | | | | Chihuahua, Mex. | | | | |
| CKWX | 730 | | | | HHK | 830 | | | |
| Vancouver, B. C. | | | | | Port au Prince, Haiti | | | | |
| CKY | 780 | | | | KDKA | 980 | | | |
| Winnipeg, Man. | | | | | Pittsburgh, Pa. | | | | |
| CMC | 840 | | | | KDLR | 1210 | | | |
| Havana, Cuba | | | | | Devils Lake, N. D. | | | | |
| CNRA | 630 | | | | KDYL | 1290 | | | |
| Moncton, N. B. | | | | | Salt Lake City | | | | |
| CNRC | 690 | | | | KEJK | 1250 | | | |
| Calgary, Alta. | | | | | Los Angeles, Calif. | | | | |
| CNRE | 580 | | | | KELW | 780 | | | |
| Edmonton, Alta. | | | | | Burbank, Calif. | | | | |
| CNRM | 730 | | | | KEX | 1180 | | | |
| Montreal, Que. | | | | | Portland, Ore. | | | | |
| CNRO | 690 | | | | KFAB | 770 | | | |
| Ottawa, Ont. | | | | | Lincoln, Nebr. | | | | |
| CNRQ | 880 | | | | KFAD | 620 | | | |
| Quebec, Que. | | | | | Phoenix, Ariz. | | | | |
| CNRR | 960 | | | | KFBB | 1360 | | | |
| Regina, Sask. | | | | | Havre, Mont. | | | | |
| CNRS | 910 | | | | KFBK | 1310 | | | |
| Saskatoon, Sask. | | | | | Sacramento, Calif. | | | | |
| CNRT | 840 | | | | KFBL | 1370 | | | |
| Toronto, Ont. | | | | | Everett, Wash. | | | | |
| CNRV | 1030 | | | | KFCB | 1310 | | | |
| Vancouver, B. C. | | | | | Phoenix, Ariz. | | | | |
| CNRW | 780 | | | | KFCR | 1500 | | | |
| Winnipeg, Man. | | | | | Santa Barbara, Calif. | | | | |
| CYA | 1000 | | | | KFDM | 560 | | | |
| Mexico City | | | | | Beaumont, Texas | | | | |
| CYB | 1090 | | | | KFDX | 1210 | | | |
| Mexico City | | | | | Shreveport, La. | | | | |
| CYC | 890 | | | | KFEC | 1370 | | | |
| Vera Cruz, Mex. | | | | | Portland, Ore. | | | | |
| CYF | 1130 | | | | KFEL | 940 | | | |
| Oaxaca, Mex. | | | | | Denver, Colo. | | | | |
| CYH | 800 | | | | KFEQ | 560 | | | |
| Mexico City | | | | | St. Joseph, Mo. | | | | |
| CYJ | 750 | | | | KFEY | 1210 | | | |
| Mexico City | | | | | Kellogg, Idaho | | | | |
| CYL | 750 | | | | KFGQ | 1310 | | | |
| Mexico City | | | | | Boone, Iowa | | | | |
| CYM | 1330 | | | | KFH | 1300 | | | |
| Torreón, Mex. | | | | | Wichita, Kansas | | | | |
| CYO | 710 | | | | KFHA | 1200 | | | |
| Mexico City | | | | | Gunnison, Colo. | | | | |
| CYQ | 930 | | | | KFI | 640 | | | |
| Tampico, Mex. | | | | | Los Angeles, Calif. | | | | |
| CYR | 630 | | | | KFIF | 1420 | | | |
| Mazatlan, Mex. | | | | | Portland, Ore. | | | | |
| CYU | 960 | | | | KFIO | 1230 | | | |
| Puebla, Mex. | | | | | Spokane, Wash. | | | | |
| CYX | 920 | | | | | | | | |
| Mexico City | | | | | | | | | |

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | | | |
|---------------------|------|----|----|----|-----------------------|------|--|--|--|
| KFIU | 1310 | | | | KFRU | 630 | | | |
| Juneau, Alaska | | | | | Columbia, Mo. | | | | |
| KFIZ | 1420 | | | | KFSD | 600 | | | |
| Fond du Lac, Wis. | | | | | San Diego, Calif. | | | | |
| KFJB | 1200 | | | | KFSG | 1120 | | | |
| Marshalltown, Iowa | | | | | Los Angeles, Calif. | | | | |
| KFJF | 1470 | | | | KFUL | 1290 | | | |
| Oklahoma City | | | | | Galveston, Texas | | | | |
| KFJI | 1370 | | | | KFUM | 1270 | | | |
| Astoria, Ore. | | | | | Colorado Spgs., Colo. | | | | |
| KFJM | 550 | | | | KFUO | 550 | | | |
| Grand Forks, N. D. | | | | | St. Louis, Mo. | | | | |
| KFJR | 1300 | | | | KFUP | 1310 | | | |
| Portland, Ore. | | | | | Denver, Colo. | | | | |
| KFJY | 1310 | | | | KFUR | 1370 | | | |
| Fort Dodge, Iowa | | | | | Ogden, Utah | | | | |
| KFJZ | 1370 | | | | KFVD | 700 | | | |
| Ft. Worth, Texas | | | | | Culver City, Calif. | | | | |
| KFKA | 880 | | | | KFVS | 1210 | | | |
| Greeley, Colo. | | | | | Cape Girardeau, Mo. | | | | |
| KFKB | 1130 | 33 | 38 | 38 | KFWB | 950 | | | |
| Milford, Kansas | | | | | Los Angeles, Calif. | | | | |
| KFKU | 1220 | | | | KFWC | 1200 | | | |
| Lawrence, Kans. | | | | | Ontario, Cal. | | | | |
| KFKX | 1020 | | | | KFWF | 1200 | | | |
| Chicago, Ill. | | | | | St. Louis, Mo. | | | | |
| KFKZ | 1200 | | | | KFWI | 930 | | | |
| Kirksville, Mo. | | | | | San Francisco, Calif. | | | | |
| KFLV | 1410 | | | | KFWM | 930 | | | |
| Rockford, Ill. | | | | | Oakland, Calif. | | | | |
| KFLX | 1370 | | | | KFXD | 1420 | | | |
| Galveston, Texas | | | | | Jerome, Idaho | | | | |
| KFMX | 1250 | | | | KFXF | 940 | | | |
| Northfield, Minn. | | | | | Denver, Colo. | | | | |
| KFNF | 890 | | | | KFXJ | 1310 | | | |
| Shenandoah, Iowa | | 43 | 48 | 48 | Edgewater, Colo. | | | | |
| KFOR | 1210 | | | | KFXR | 1310 | | | |
| Lincoln, Nebr. | | | | | Oklahoma City | | | | |
| KFOX | 1250 | | | | KFX Y | 1420 | | | |
| Long Beach, Calif. | | | | | Flagstaff, Ariz. | | | | |
| KFPL | 1310 | | | | KFYO | 1420 | | | |
| Dublin, Texas | | | | | Abilene, Texas | | | | |
| KFPM | 1310 | | | | KFYR | 550 | | | |
| Greenville, Texas | | | | | Bismarck, N. Dak. | | | | |
| KFPW | 1340 | | | | KGA | 1470 | | | |
| Siloam Spgs., Ark. | | | | | Spokane, Wash. | | | | |
| KFPY | 1390 | | | | KGAR | 1370 | | | |
| Spokane, Wash. | | | | | Tucson, Ariz. | | | | |
| KFQD | 1230 | | | | KGB | 1360 | | | |
| Anchorage, Alaska | | | | | San Diego, Calif. | | | | |
| KFQU | 1420 | | | | KGBU | 900 | | | |
| Holy City, Calif. | | | | | Ketchikan, Alaska | | | | |
| KFQW | 1420 | | | | KGBX | 1370 | | | |
| Seattle, Wash. | | | | | St. Joseph, Mo. | | | | |
| KFQZ | 850 | | | | KGBZ | 930 | | | |
| Hollywood, Calif. | | | | | York, Nebr. | | | | |
| KFRC | 610 | | | | KGCA | 1270 | | | |
| San Francisco, Cal. | | | | | Decorah, Iowa | | | | |

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | | | |
|---------------------|------|--|--|--|-----------------------|------|--|--|--|
| KGCB | 1370 | | | | KGHB | 1320 | | | |
| Oklahoma City | | | | | Honolulu, Hawaii | | | | |
| KGCI | 1370 | | | | KGHD | 1420 | | | |
| San Antonio, Texas | | | | | Missoula, Mont. | | | | |
| KGCN | 1420 | | | | KGHF | 1320 | | | |
| Concordia, Kans. | | | | | Pueblo, Colo. | | | | |
| KGCR | 1210 | | | | KGHG | 1310 | | | |
| Brookings, S. Dak. | | | | | McGehee, Ark | | | | |
| KGCU | 1200 | | | | KGHI | 1500 | | | |
| Mandan, N. Dak. | | | | | Little Rock, Ark. | | | | |
| KGCX | 1420 | | | | KGHL | 950 | | | |
| Vida, Mont. | | | | | Billings, Mont. | | | | |
| KGDA | 1370 | | | | KGHX | 1500 | | | |
| Dell Rapids, S. D. | | | | | Richmond, Texas | | | | |
| KGDE | 1200 | | | | KGIO | 1320 | | | |
| Fergus Falls, Minn. | | | | | Idaho Falls, Ida. | | | | |
| KGDM | 1150 | | | | KGIQ | 1320 | | | |
| Stockton, Calif. | | | | | Twin Falls, Ida. | | | | |
| KGDP | 1210 | | | | KGIR | 1360 | | | |
| Pueblo, Colo. | | | | | Butte, Mont. | | | | |
| KGDR | 1500 | | | | KGIW | 1420 | | | |
| San Antonio, Texas | | | | | Trinidad, Colo. | | | | |
| KGDY | 1200 | | | | KGJF | 890 | | | |
| Oldham, S. Dak. | | | | | Little Rock, Ark. | | | | |
| KGEF | 1300 | | | | KGKB | 1500 | | | |
| Los Angeles, Calif. | | | | | Brownwood, Texas | | | | |
| KGEK | 1200 | | | | KGKL | 1370 | | | |
| Yuma, Colo. | | | | | San Angelo, Texas | | | | |
| KGER | 1370 | | | | KGKO | 570 | | | |
| Long Beach, Calif. | | | | | Wichita Falls, Texas | | | | |
| KGEW | 1200 | | | | KGKX | 1420 | | | |
| Fort Morgan, Colo. | | | | | Sandpoint, Idaho | | | | |
| KGEZ | 1310 | | | | KGO | 790 | | | |
| Kalispell, Mont. | | | | | Oakland, Calif. | | | | |
| KGFF | 1420 | | | | KGRC | 1370 | | | |
| Alva, Okla. | | | | | San Antonio, Texas | | | | |
| KGFG | 1370 | | | | KGRS | 1410 | | | |
| Oklahoma City | | | | | Amarillo, Texas | | | | |
| KGFH | 1000 | | | | KGTT | 1420 | | | |
| Glendale, Calif. | | | | | San Francisco, Calif. | | | | |
| KGFI | 1310 | | | | KGU | 940 | | | |
| San Angelo, Texas | | | | | Honolulu, Hawaii | | | | |
| KGFJ | 1420 | | | | KGW | 620 | | | |
| Los Angeles, Calif. | | | | | Portland, Ore. | | | | |
| KGFK | 1200 | | | | KGY | 1200 | | | |
| Hallock, Minn. | | | | | Lacey, Wash. | | | | |
| KGFL | 1370 | | | | KHJ | 900 | | | |
| Raton, N. M. | | | | | Los Angeles, Calif. | | | | |
| KGFW | 1420 | | | | KHQ | 590 | | | |
| Ravenna, Nebr. | | | | | Spokane, Wash. | | | | |
| KGFX | 580 | | | | KICK | 1420 | | | |
| Pierre, S. Dak. | | | | | Red Oak, Iowa | | | | |
| KGGF | 1010 | | | | KIDO | 1250 | | | |
| Picher, Okla. | | | | | Boise, Idaho | | | | |
| KGGH | 1310 | | | | KJBS | 1100 | | | |
| Cedar Grove, La. | | | | | San Francisco, Calif. | | | | |
| KGGM | 1370 | | | | KJR | 970 | | | |
| Albuquerque, N. M. | | | | | Seattle, Wash. | | | | |

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | | | |
|-----------------------------------|--|--|--|---------|----------------------------------|--|--|----|-------|
| KKP 1370 Seattle, Wash. | | | | | KPJM 1500 Prescott, Ariz. | | | | |
| KLCN 1290 Blytheville, Ark. | | | | | KPLA 570 Los Angeles, Calif. | | | | |
| KLDS 950 Independence, Mo. | | | | | KPO 680 San Francisco, Calif. | | | | |
| KLRA 1390 Little Rock, Ark. | | | | | KPOF 880 Denver, Colo. | | | | |
| KLS 1440 Oakland, Calif. | | | | | KPPC 1200 Pasadena, Calif. | | | | |
| KLX 880 Oakland, Calif. | | | | | KPQ 1210 Seattle, Wash. | | | | |
| KLZ 560 Denver, Colo. | | | | | KPRC 920 Houston, Texas | | | 40 | H7 H7 |
| KMA 930 Shenandoah, Iowa | | | | 11 - 45 | KPSN 950 Pasadena, Calif. | | | | |
| KMBC 950 Independence, Mo. | | | | | KQV 1380 Pittsburgh, Pa. | | | | |
| KMED 1310 Medford, Ore. | | | | | KQW 1010 San Jose, Calif. | | | | |
| KMIC 1120 Inglewood, Calif. | | | | | KPWF 1490 Westminster, Calif. | | | | |
| KMJ 1200 Fresno, Calif. | | | | | KRE 1370 Berkeley, Calif. | | | | |
| KMMJ 740 Clay Center, Nebr. | | | | | KRGV 1260 Harlingen, Texas | | | | |
| KMO 1340 Tacoma, Wash. | | | | | KRLD 1040 Dallas, Texas | | | | |
| KMOX 1090 St. Louis, Mo. | | | | | KRMD 1310 Shreveport, La. | | | | |
| KMTR 570 Hollywood, Calif. | | | | | KRSC 1120 Seattle, Wash. | | | | |
| KNX 1050 Los Angeles, Calif. | | | | | KSAC 580 Manhattan, Kans. | | | | |
| KOA 830 Denver, Colo. | | | | | KSBA 1450 Shreveport, La. | | | | |
| KOAC 560 Corvallis, Ore. | | | | | KSCJ 1330 Sioux City, Iowa | | | | |
| KOB 1180 State College, N. M. | | | | | KSD 550 St. Louis, Mo. | | | 95 | 95 97 |
| KOCW 1420 Chickasha, Okla. | | | | | KSEI 900 Pocatello, Idaho | | | | |
| KOH 1370 Reno, Nevada | | | | | KSL 1130 Salt Lake City | | | | |
| KOIL 1260 Council Bluffs, Iowa | | | | | KSMR 1200 Santa Maria, Calif. | | | | |
| KOIN 940 Portland, Ore. | | | | | KSO 1380 Clarinda, Iowa | | | | |
| KOL 1270 Seattle, Wash. | | | | | KSOO 1110 Sioux Falls, S. Dak | | | | |
| KOMO 920 Seattle, Wash. | | | | | KSTP 1460 St Paul, Minn. | | | | |
| KOOS 1370 Marshfield, Ore. | | | | | KTAB 550 Oakland, Calif. | | | | |
| KORE 1420 Eugene, Ore. | | | | | KTAP 1420 San Antonio, Texas | | | | |
| KOW 1390 Denver, Colo. | | | | | KTAT 1240 Ft. Worth, Texas | | | | |
| KPCB 1210 Seattle, Wash. | | | | | KTBI 1300 Los Angeles, Calif. | | | | |

9-29-25 KSAT 30-29-25

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | | | |
|---------------------|------|--|--|--|-----------------------|------|--|--|--|
| KTBR | 1300 | | | | KXL | 1250 | | | |
| Portland, Ore. | | | | | Portland, Ore. | | | | |
| KTHS | 800 | | | | KXO | 1200 | | | |
| Hot Springs, Ar. | | | | | El Centro, Cal. | | | | |
| KTM | 780 | | | | KXRO | 1420 | | | |
| Santa Monica, Cal. | | | | | Aberdeen, Wash. | | | | |
| KTNT | 1170 | | | | KYA | 1230 | | | |
| Muscataine, Iowa | | | | | San Francisco, Calif. | | | | |
| KTSA | 1290 | | | | KYW | 1020 | | | |
| San Antonio, Texas | | | | | Chicago, Ill. | | | | |
| KTUE | 1420 | | | | KYWA | 1020 | | | |
| Houston, Texas | | | | | Chicago, Ill. | | | | |
| KTW | 1270 | | | | KZM | 1370 | | | |
| Seattle, Wash. | | | | | Hayward, Calif. | | | | |
| KUJ | 1500 | | | | NAA | 690 | | | |
| Longview, Wash. | | | | | Arlington, Va. | | | | |
| KUOA | 1390 | | | | WAAD | 1420 | | | |
| Fayetteville, Ark. | | | | | Cincinnati, Ohio | | | | |
| KUOM | 570 | | | | WAAF | 920 | | | |
| Missoula, Mont. | | | | | Chicago, Ill. | | | | |
| KUSD | 890 | | | | WAAM | 1250 | | | |
| Vermillion, S. Dak. | | | | | Newark, N. J. | | | | |
| KUT | 1120 | | | | WAAT | 1070 | | | |
| Austin, Texas | | | | | Jersey City, N. J. | | | | |
| KVI | 1340 | | | | WAAW | 660 | | | |
| Tacoma, Wash. | | | | | Omaha, Nebr. | | | | |
| KVL | 1370 | | | | WABC | 860 | | | |
| Seattle, Wash. | | | | | New York City | | | | |
| KVOO | 1140 | | | | WABF | 1440 | | | |
| Tulsa, Okla. | | | | | Kingston, Pa. | | | | |
| KVOS | 1200 | | | | WABI | 1200 | | | |
| Bellingham, Wash. | | | | | Bangor, Maine | | | | |
| KWBS | 1500 | | | | WABO | 1440 | | | |
| Portland, Ore. | | | | | Rochester, N. Y. | | | | |
| KWCR | 1310 | | | | WABY | 1310 | | | |
| Cedar Rapids, Iowa | | | | | Philadelphia, Pa. | | | | |
| KWEA | 1210 | | | | WABZ | 1200 | | | |
| Shreveport, La. | | | | | New Orleans, La. | | | | |
| KWG | 1200 | | | | WADC | 1320 | | | |
| Stockton, Calif. | | | | | Akron, Ohio | | | | |
| KWJJ | 1060 | | | | WAFD | 1500 | | | |
| Portland, Ore. | | | | | Detroit, Mich. | | | | |
| KWK | 1350 | | | | WAGM | 1310 | | | |
| St. Louis, Mo. | | | | | Royal Oak, Mich. | | | | |
| KWKC | 1370 | | | | WAIU | 640 | | | |
| Kansas City, Mo. | | | | | Columbus, Ohio | | | | |
| KWKH | 850 | | | | WALK | 1500 | | | |
| Shreveport, La. | | | | | Willow Grove, Pa. | | | | |
| KWLC | 1270 | | | | WAPI | 1140 | | | |
| Decorah, Iowa | | | | | Birmingham, Ala. | | | | |
| KWSC | 1390 | | | | WASH | 1270 | | | |
| Pullman, Wash. | | | | | Grand Rapids, Mich. | | | | |
| KWTC | 1500 | | | | WBAA | 1400 | | | |
| Santa Ana, Calif. | | | | | Lafayette, Ind. | | | | |
| KWWG | 1260 | | | | WBAK | 1430 | | | |
| Brownsville, Texas | | | | | Harrisburg, Pa. | | | | |
| KWYO | 600 | | | | WBAL | 1060 | | | |
| Laramie, Wyo. | | | | | Baltimore, Md. | | | | |
| KXA | 570 | | | | WBAP | 800 | | | |
| Seattle, Wash. | | | | | Port Worth, Texas | | | | |

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | |
|-----------------------|--|--|--|----------------------|--|----|-------|
| WBAW 1490 | | | | WCAM 1280 | | | |
| Nashville, Tenn. | | | | Camden, N. J. | | | |
| WBAX 1210 | | | | WCAO 600 | | | |
| Wilkes-Barre, Pa. | | | | Baltimore, Md. | | | |
| WBBC 1400 | | | | WCAP 1280 | | | |
| Brooklyn, N. Y. | | | | Asbury Park, N. J. | | | |
| WBBL 1370 | | | | WCAT 1200 | | | |
| Richmond, Va. | | | | Rapid City, S. D. | | | |
| WBBM 770 | | | | WCAU 1170 | | | |
| Chicago, Ill. | | | | Philadelphia, Pa. | | | |
| WBCM 1410 | | | | WCAX 1200 | | | |
| Bay City, Mich. | | | | Burlington, Vt. | | | |
| WBBR 1300 | | | | WCAZ 1070 | | | |
| Rossville, N. Y. | | | | Carthage, Ill. | | | |
| WBBW 1200 | | | | WCBA 1440 | | | |
| Norfolk, Va. | | | | Allentown, Pa. | | | |
| WBBY 1200 | | | | WCBD 1080 | | | |
| Charleston, S. C. | | | | Zion, Ill. | | | |
| WBBZ 1200 | | | | WCBM 1370 | | | |
| Ponca City, Okla. | | | | Baltimore, Md. | | | |
| WBET 1360 | | | | WCBS 1210 | | | |
| Boston, Mass. | | | | Springfield, Ill. | | | |
| WBIS 1230 | | | | WCCO 810 | | | |
| Boston, Mass. | | | | Minneapolis-St. Paul | | | |
| WBMH 1310 | | | | WCDA 1350 | | | |
| Detroit, Mich. | | | | Brooklyn, N. Y. | | | |
| WBMS 1450 | | | | WCFL 970 | | | |
| Union City, N. J. | | | | Chicago, Ill. | | | |
| WBNY 1350 | | | | WCGU 1400 | | | |
| New York City | | | | Coney Island, N. Y. | | | |
| WBOO 860 | | | | WCLB 1500 | | | |
| New York City | | | | Brooklyn, N. Y. | | | |
| WBOW 1310 | | | | WCLO 1200 | | | |
| Terre Haute, Ind. | | | | Kenosha, Wisc. | | | |
| WBRC 930 | | | | WCLS 1310 | | | |
| Birmingham, Ala. | | | | Joliet, Ill. | | | |
| WBRE 1310 | | | | WCMA 1400 | | | |
| Wilkes-Barre, Pa. | | | | Culver, Ind. | | | |
| WBRL 1430 | | | | WCOA 1120 | | | |
| Tilton, N. H. | | | | Pensacola, Fla. | | | |
| WBSO 780 | | | | WCOC 880 | | | |
| Wellesley H'ls, Mass. | | | | Columbus, Miss. | | 43 | 48 49 |
| WBT 1080 | | | | WCOH 1210 | | | |
| Charlotte, N. C. | | | | Greenville, N. Y. | | | |
| WBZ 990 | | | | WCRW 1210 | | | |
| Springfield, Mass. | | | | Chicago, Ill. | | | |
| WBZA 990 | | | | WCSH 940 | | | |
| Boston, Mass. | | | | Portland, Maine | | | |
| WCAC 600 | | | | WCSO 1380 | | | |
| Storrs, Conn. | | | | Springfield, Ohio | | | |
| WCAD 1220 | | | | WCX 750 | | | |
| Canton, N. Y. | | | | Detroit, Mich. | | | |
| WCAE 1220 | | | | WDAB 620 | | | |
| Pittsburgh, Pa. | | | | Tampa, Fla. | | | |
| WCAH 1430 | | | | WDAF 610 | | | |
| Columbus, Ohio | | | | Kansas City, Mo. | | | |
| WCAJ 590 | | | | WDAG 1410 | | | |
| Lincoln, Nebr. | | | | Amarillo, Texas | | | |
| WCAL 1250 | | | | WDAH 1310 | | | |
| Northfield, Minn. | | | | El Paso, Texas | | | |

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | | | |
|----------------------|------|--|--|--|----------------------|-----------|----|----|----|
| WDAY | 1280 | | | | WEW | 760 | | | |
| Fargo, N. D. | | | | | St. Louis, Mo. | | | | |
| WDBJ | 930 | | | | WFAA | 1040 | | | |
| Roanoke, Va. | | | | | Dallas, Texas | | | | |
| WDBO | 620 | | | | WFAN | 610 | | | |
| Orlando, Fla. | | | | | Philadelphia, Pa. | | | | |
| WDEL | 1120 | | | | WFBC | 1200 | | | |
| Wilmington, Del. | | | | | Knoxville, Tenn. | | | | |
| WDGY | 1390 | | | | WFBE | 1200 | | | |
| Minneapolis, Minn. | | | | | Cincinnati, Ohio | | | | |
| WDOD | 1280 | | | | WFBG | 1310 | | | |
| Chattanooga, Tenn. | | | | | Altoona, Pa. | | | | |
| WDRC | 1330 | | | | WFBj | 1370 | | | |
| New Haven, Conn. | | | | | Collegeville, Minn. | | | | |
| WDSU | 1270 | | | | WFBL | 900-1490 | | | |
| New Orleans, La. | | | | | Syracuse, N. Y. | | | | |
| WDWF | 1210 | | | | WFBM | 1050-1230 | | | |
| Cranston, R. I. | | | | | Indianapolis, Ind. | | | | |
| WDZ | 1070 | | | | WFBR | 1270 | | | |
| Tuscola, Ill. | | | | | Baltimore, Md. | | | | |
| WEAF | 660 | | | | WFDF | 1310 | | | |
| New York City | | | | | Flint, Mich. | | | | |
| WEAI | 1270 | | | | WFI | 560 | | | |
| Ithaca, N. Y. | | | | | Philadelphia, Pa. | | | | |
| WEAM | 1370 | | | | WFIW | 940 | | | |
| Plainfield, N. J. | | | | | Hopkinsville, Ky. | | 44 | 45 | 45 |
| WEAN | 550 | | | | WFJC | 1450 | | | |
| Providence, R. I. | | | | | Akron, Ohio | | | | |
| WEAO | 550 | | | | WFKD | 1310 | | | |
| Columbus, Ohio | | | | | Philadelphia, Pa. | | | | |
| WEAR | 1070 | | | | WFLA | 900 | | | |
| Cleveland, Ohio | | | | | Clearwater, Fla. | | | | |
| WEBC | 1280 | | | | WGAL | 1310 | | | |
| Superior, Wis. | | | | | Lancaster, Pa. | | | | |
| WEBE | 1210 | | | | WGBB | 1210 | | | |
| Cambridge, Ohio | | | | | Freeport, N. Y. | | | | |
| WEBQ | 1210 | | | | WGBC | 1430 | | | |
| Harrisburg, Ill. | | | | | Memphis, Tenn. | | | | |
| WEBR | 1310 | | | | WGBF | 630 | | | |
| Buffalo, N. Y. | | | | | Evansville, Ind. | | | | |
| WEBW | 600 | | | | WGBI | 880 | | | |
| Beloit, Wisc. | | | | | Scranton, Pa. | | | | |
| WEDC | 1210 | | | | WGBS | 1180 | | | |
| Chicago, Ill. | | | | | New York City | | | | |
| WEDH | 1420 | | | | WGCM | 1210 | | | |
| Erie, Pa. | | | | | Gulfport, Miss. | | | | |
| WEHI | 590 | | | | WGCP | 1250 | | | |
| Boston, Mass. | | | | | Newark, N. J. | | | | |
| WEHS | 1310 | | | | WGES | 1360 | | | |
| Evanston, Ill. | | | | | Chicago, Ill. | | | | |
| WELK | 1370 | | | | WGH | 1310 | | | |
| Philadelphia, Pa. | | | | | Newport News, Va. | | | | |
| WEMC | 590 | | | | WGHP | 1240 | | | |
| Berrien Spgs., Mich. | | | | | Detroit, Mich. | | | | |
| WENR | 870 | | | | WGL | 1230 | | | |
| Chicago, Ill. | | | | | Ft. Wayne, Ind. | | | | |
| WEPS | 1200 | | | | WGMS | 1250 | | | |
| Gloucester, Mass. | | | | | St. Paul-Minneapolis | | | | |
| WEVD | 1300 | | | | WGN | 720 | | | |
| Woodhaven, N. Y. | | | | | Chicago, Ill. | | | | |

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | | | |
|---------------------|------|----|----|----|--------------------|------|----|----|---|
| WGR | 550 | | | | WIAS | 1420 | | | |
| Buffalo, N. Y. | | | | | Ottumwa, Iowa | | | | |
| WGST | 890 | | | | WIBA | 1210 | | | |
| Atlanta, Ga. | | | | | Madison, Wis. | | | | |
| WGY | 790 | | | | WIBG | 930 | | | |
| Schenectady, N. Y. | | | | | Elkins Park, Pa. | | | | |
| WHA | 570 | | | | WIBM | 1370 | | | |
| Madison, Wisc. | | | | | Jackson, Mich. | | | | |
| WHAD | 1120 | | | | WIBO | 570 | | | |
| Milwaukee, Wisc. | | | | | Chicago, Ill. | | | | |
| WHAM | 1150 | | | | WIBR | 1420 | | | |
| Rochester, N. Y. | | | | | Steubenville, Ohio | | | | |
| WHAP | 1300 | | | | WIBS | 1450 | | | |
| New York City | | | | | Elizabeth, N. J. | | | | |
| WHAS | 820 | 30 | 55 | 14 | WIBU | 1310 | | | |
| Louisville, Ky. | | | | | Poynette, Wisc. | | | | |
| WHAZ | 1300 | | | | WIBW | 1300 | | | |
| Troy, N. Y. | | | | | Topeka, Kansas | | | | |
| WHB | 950 | | | | WIBX | 1200 | | | |
| Kansas City, Mo. | | | | | Utica, N. Y. | | | | |
| WHBC | 1200 | | | | WIBZ | 1500 | | | |
| Canton, Ohio | | | | | Montgomery, Ala. | | | | |
| WHBD | 1370 | | | | WICC | 1190 | | | |
| Bellefontaine, Ohio | | | | | Bridgeport, Conn. | | | | |
| WHBF | 1210 | | | | WIL | 1420 | 35 | 35 | 1 |
| Rock Island, Ill. | | | | | St. Louis, Mo. | | | | |
| WHBL | 1410 | | | | WILL | 890 | | | |
| Sheboygan, Wisc. | | | | | Urbana, Ill. | | | | |
| WHBP | 1310 | | | | WILM | 1500 | | | |
| Johnstown, Pa. | | | | | Wilmington, Del. | | | | |
| WHBQ | 1370 | | | | WINR | 1210 | | | |
| Memphis, Tenn. | | | | | Bay Shore, N. Y. | | | | |
| WHBU | 1210 | | | | WIOD | 1240 | | | |
| Anderson, Ind. | | | | | Miami Beach, Fla. | | | | |
| WHBW | 1500 | | | | WIP | 610 | | | |
| Philadelphia, Pa. | | | | | Philadelphia, Pa. | | | | |
| WHBY | 1200 | | | | WISN | 1120 | | | |
| West De Pere, Wisc. | | | | | Milwaukee, Wisc. | | | | |
| WHDI | 1390 | | | | WJAD | 1240 | | | |
| Minneapolis, Minn. | | | | | Waco, Texas | | | | |
| WHDF | 1370 | | | | WJAG | 1060 | | | |
| Calumet, Mich. | | | | | Norfolk, Nebr. | | | | |
| WHDL | 1420 | | | | WJAK | 1310 | | | |
| Tupper Lake, N. Y. | | | | | Kokomo, Ind. | | | | |
| WHEC | 1440 | | | | WJAR | 890 | | | |
| Rochester, N. Y. | | | | | Providence, R. I. | | | | |
| WHFC | 1310 | | | | WJAS | 1290 | | | |
| Chicago, Ill. | | | | | Pittsburgh, Pa. | | | | |
| WHK | 1390 | | | | WJAX | 1260 | | | |
| Cleveland, Ohio | | | | | Jacksonville, Fla. | | | | |
| WHN | 1010 | | | | WJAY | 1450 | | | |
| New York City ✓ | | | | | Cleveland, Ohio | | | | |
| WHO | 1000 | | | | WJAZ | 1480 | | | |
| Des Moines, Iowa | | | | | Chicago, Ill. | | | | |
| WHOH | 830 | | | | WJBC | 1200 | | | |
| Gloucester, Mass. | | | | | La Salle, Ill. | | | | |
| WHPP | 1420 | | | | WJBI | 1210 | | | |
| New York City | | | | | Red Bank, N. J. | | | | |
| WHT | 1480 | | | | WJBK | 1370 | | | |
| Chicago, Ill. | | | | | Ypsilanti, Mich. | | | | |

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | | | |
|---------------------|------|--|--|--|-------------------------|------|--|--|----------|
| WJBL | 1200 | | | | WKY | 900 | | | |
| Decatur, Ill. | | | | | Oklahoma City | | | | 27 31 33 |
| WJBO | 1370 | | | | WLAC | 1490 | | | |
| New Orleans, La. | | | | | Nashville, Tenn. | | | | |
| WJBU | 1210 | | | | WLAP | 1200 | | | |
| Lewisburg, Pa. | | | | | Louisville, Ky. | | | | |
| WJBW | 1200 | | | | WLB | 1250 | | | |
| New Orleans, La. | | | | | Minneapolis, Minn. | | | | |
| WJBY | 1210 | | | | WLCB | 1310 | | | |
| Gadsden, Ala. | | | | | Muncie, Ind. | | | | |
| WJJD | 1180 | | | | WLBFB | 1420 | | | |
| Mooseheart, Ill. | | | | | Kansas City, Mo. | | | | |
| WJKS | 1360 | | | | WLBG | 1200 | | | |
| Gary, Ind. | | | | | Petersburg, Va. | | | | |
| WJR | 750 | | | | WLBH | 1420 | | | |
| Detroit, Mich. | | | | | Farmingdale, N. Y. | | | | |
| WJSV | 1460 | | | | WLBL | 900 | | | |
| Washington, D. C. | | | | | Stevens Point, Wisc. | | | | |
| WJZ | 760 | | | | WLBO | 1310 | | | |
| New York City | | | | | Galesburg, Ill. | | | | |
| WKAQ | 890 | | | | WLBV | 1210 | | | |
| San Juan, P. R. | | | | | Mansfield, Ohio | | | | |
| WKAR | 1040 | | | | WLBW | 1260 | | | |
| East Lansing, Mich. | | | | | Oil City, Pa. | | | | |
| WKAU | 1310 | | | | WLBX | 1500 | | | |
| Laconia, N. H. | | | | | Long Island City, N. Y. | | | | |
| WKBB | 1310 | | | | WLBZ | 620 | | | |
| Joliet, Ill. | | | | | Bangor, Me. | | | | |
| WKBC | 1310 | | | | WLCI | 1210 | | | |
| Birmingham, Ala. | | | | | Ithaca, N. Y. | | | | |
| WKBE | 1200 | | | | WLEX | 1420 | | | |
| Webster, Mass. | | | | | Lexington, Mass. | | | | |
| WKBF | 1400 | | | | WLIB | 720 | | | |
| Indianapolis, Ind. | | | | | Chicago, Ill. | | | | |
| WKBH | 1380 | | | | WLIT | 560 | | | |
| La Crosse, Wisc. | | | | | Philadelphia, Pa. | | | | |
| WKBI | 1310 | | | | WLOE | 1500 | | | |
| Chicago, Ill. | | | | | Chelsea, Mass. | | | | |
| WKBN | 570 | | | | WLS | 870 | | | |
| Youngstown, Ohio | | | | | Chicago, Ill. | | | | 145 26 |
| WKBO | 1450 | | | | WLSI | 1210 | | | |
| Jersey City, N. J. | | | | | Cranston, R. I. | | | | |
| WKBP | 1420 | | | | WLTH | 1400 | | | |
| Battle Creek, Mich. | | | | | Brooklyn, N. Y. | | | | |
| WKBQ | 1350 | | | | WLW | 700 | | | 65 107 |
| New York City | | | | | Cincinnati, Ohio | | | | |
| WKBS | 1310 | | | | WLWL | 1100 | | | |
| Galesburg, Ill. | | | | | New York City | | | | |
| WKBV | 1500 | | | | WMAC | 570 | | | |
| Brookville, Ind. | | | | | Cazenovia, N. Y. | | | | |
| WKBW | 1470 | | | | WMAF | 1360 | | | |
| Buffalo, N. Y. | | | | | S. Dartmouth, Mass. | | | | |
| WKBZ | 1500 | | | | WMAK | 900 | | | |
| Ludington, Mich. | | | | | Buffalo, N. Y. | | | | |
| WKEN | 1040 | | | | WMAL | 630 | | | |
| Grand Island, N. Y. | | | | | Washington, D. C. | | | | |
| WKJC | 1200 | | | | WMAN | 1210 | | | |
| Lancaster, Pa. | | | | | Columbus, Ohio | | | | |
| WKRC | 550 | | | | WMAQ | 670 | | | |
| Cincinnati, Ohio | | | | | Chicago, Ill. | | | | |

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | |
|----------------------|--|--|--|---------------------|--|--|--|
| WMAY 1200 | | | | WNBK 1310 | | | |
| St. Louis, Mo. | | | | Knoxville, Tenn. | | | |
| WMAZ 890 | | | | WNBO 1200 | | | |
| Macon, Ga. | | | | Washington, Pa. | | | |
| WMBA 1500 | | | | WNBQ 1500 | | | |
| Newport, R. I. | | | | Rochester, N. Y. | | | |
| WMBC 1420 | | | | WNBR 1430 | | | |
| Detroit, Mich. | | | | Memphis, Tenn. | | | |
| WMBD 1440 | | | | WNBW 1200 | | | |
| Peoria Heights, Ill. | | | | Carbondale, Pa. | | | |
| WMBF 560 | | | | WNBX 1200 | | | |
| Miami Beach, Fla. | | | | Springfield, Vt. | | | |
| WMBG 1210 | | | | WNBZ 1290 | | | |
| Richmond, Va. | | | | Saranac Lake, N. Y. | | | |
| WMBH 1420 | | | | WNJ 1450 | | | |
| Joplin, Mo. | | | | Newark, N. J. | | | |
| WMBI 1080 | | | | WNOX 560 | | | |
| Chicago, Ill. | | | | Knoxville, Tenn. | | | |
| WMBJ 1500 | | | | WNRC 1440 | | | |
| Wilkinsburg, Pa. | | | | Greensboro, N. C. | | | |
| WMBL 1310 | | | | WNYC 570 | | | |
| Lakeland, Fla. | | | | New York City | | | |
| WMBM 1500 | | | | WOAI 1190 | | | |
| Memphis, Tenn. | | | | San Antonio, Texas | | | |
| WMBO 1370 | | | | WOAN 600 | | | |
| Auburn, N. Y. | | | | Lawrenceburg, Tenn. | | | |
| WMBQ 1500 | | | | WOAX 1280 | | | |
| Brooklyn, N. Y. | | | | Trenton, N. J. | | | |
| WMBR 1210 | | | | WOBT 1310 | | | |
| Tampa, Fla. | | | | Union City, Tenn. | | | |
| WMBT 1430 | | | | WOBV 580 | | | |
| Lemoyne, Pa. | | | | Charleston, W. Va. | | | |
| WMC 780 | | | | WOC 1000 | | | |
| Memphis, Tenn. | | | | Davenport, Iowa | | | |
| WMCA 570 | | | | WOCL 1210 | | | |
| New York City | | | | Jamestown, N. Y. | | | |
| WMES 1500 | | | | WODA 1250 | | | |
| Boston, Mass. | | | | Paterson, N. J. | | | |
| WMMN 890 | | | | WOI 560 | | | |
| Fairmont, W. Va. | | | | Ames, Iowa | | | |
| WMPC 1500 | | | | WOKO 1440 | | | |
| Lapeer, Mich. | | | | Peekskill, N. Y. | | | |
| WMRJ 1420 | | | | WOL 1310 | | | |
| Jamaica, N. Y. | | | | Washington, D. C. | | | |
| WMSG 1350 | | | | WOMT 1210 | | | |
| New York City | | | | Manitowoc, Wis. | | | |
| WMT 1200 | | | | WOO 1500 | | | |
| Waterloo, Iowa | | | | Philadelphia, Pa. | | | |
| WNAC 1230 | | | | WOOD 1270 | | | |
| Boston, Mass. | | | | Grand Rapids, Mich. | | | |
| WNAD 1010 | | | | WOQ 610 | | | |
| Norman, Okla. | | | | Kansas City, Mo. | | | |
| WNAT 1310 | | | | WOR 710 | | | |
| Philadelphia, Pa. | | | | Newark, N. J. | | | |
| WNAX 570 | | | | WORD 1480 | | | |
| Yankton, S. D. | | | | Batavia, Ill. | | | |
| WNBF 1500 | | | | WOS 630 | | | |
| Binghamton, N. Y. | | | | Jefferson City, Mo. | | | |
| WNBH 1310 | | | | WOV 1130 | | | |
| New Bedford, Mass. | | | | New York City | | | |

W, 9

37 41 41

72 78 79

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | |
|----------------------|--|--|--|--------------------|--|--|--|
| WOW 590 | | | | WRC 950 | | | |
| Omaha, Nebr. | | | | Washington, D. C. | | | |
| WOWO 1160 | | | | WREC 600 | | | |
| Fort Wayne, Ind. | | | | Memphis, Tenn. | | | |
| WPAP 1010 | | | | WREN 1220 | | | |
| Cliffside, N. J. | | | | Lawrence, Kansas | | | |
| WPAW 1210 | | | | WRHM 1250 | | | |
| Pawtucket, R. I. | | | | Minneapolis, Minn. | | | |
| WPCC 570 | | | | WRJN 1370 | | | |
| Chicago, Ill. | | | | Racine, Wisc. | | | |
| WPCH 810 | | | | WRK 1310 | | | |
| Jersey City, N. J. | | | | Hamilton, Ohio | | | |
| WPG 1100 | | | | WRNY 1010 | | | |
| Atlantic City, N. J. | | | | New York City | | | |
| WPOR 780 | | | | WRR 1280 | | | |
| Norfolk, Va. | | | | Dallas, Texas | | | |
| WPRC 1200 | | | | WRUF 1470 | | | |
| Harrisburg, Pa. | | | | Gainesville, Fla. | | | |
| WPSC 1230 | | | | WRVA 1110 | | | |
| State College, Pa. | | | | Richmond, Va. | | | |
| WPSW 1500 | | | | WSAI 800 | | | |
| Philadelphia, Pa. | | | | Cincinnati, Ohio | | | |
| WPTF 680 | | | | WSAJ 1310 | | | |
| Raleigh, N. C. | | | | Grove City, Pa. | | | |
| WQAM 1240 | | | | WSAN 1440 | | | |
| Miami, Fla. | | | | Allentown, Pa. | | | |
| WQAN 880 | | | | WSAR 1450 | | | |
| Scranton, Pa. | | | | Fall River, Mass. | | | |
| WQAO 1010 | | | | WSAZ 580 | | | |
| Cliffside, N. J. | | | | Huntington, W. Va. | | | |
| WQBC 1360 | | | | WSB 740 | | | |
| Utica, Miss. | | | | Atlanta, Ga. | | | |
| WQBJ 1200 | | | | WSBC 1210 | | | |
| Clarksburg, W. Va. | | | | Chicago, Ill. | | | |
| WQBZ 1420 | | | | WSBT 1230 | | | |
| Weirton, W. Va. | | | | South Bend, Ind. | | | |
| WRAF 1200 | | | | WSEA 780 | | | |
| La Porte, Ind. | | | | Portsmouth, Va. | | | |
| WRAK 1370 | | | | WSGH 1400 | | | |
| Erie, Pa. | | | | Brooklyn, N. Y. | | | |
| WRAW 1310 | | | | WSIS 1010 | | | |
| Reading, Pa. | | | | Sarasota, Fla. | | | |
| WRAX 1010 | | | | WSIX 1210 | | | |
| Philadelphia, Pa. | | | | Springfield, Tenn. | | | |
| WRBC 1240 | | | | WSM 650 | | | |
| Valparaiso, Ind. | | | | Nashville, Tenn. | | | |
| WRBI 1310 | | | | WSMB 1320 | | | |
| Tifton, Ga. | | | | New Orleans, La. | | | |
| WRBJ 1500 | | | | WSMD 1310 | | | |
| Hattiesburg, Miss. | | | | Salisbury, Md. | | | |
| WRBL 1200 | | | | WSMK 570 | | | |
| Columbus, Ga. | | | | Dayton, Ohio | | | |
| WRBQ 1210 | | | | WSPD 1340 | | | |
| Greenville, Miss. | | | | Toledo, Ohio | | | |
| WRBT 1370 | | | | WSRO 1420 | | | |
| Wilmington, N. C. | | | | Middletown, Ohio | | | |
| WRBU 1210 | | | | WSSH 1420 | | | |
| Gastonia, N. C. | | | | Boston, Mass. | | | |
| WRBW 1310 | | | | WSUI 580 | | | |
| Columbia, S. C. | | | | Iowa City, Iowa | | | |

A COMPLETE INDEX BY CALL LETTERS

| | | | | | | | | | |
|-----------------------|----------|--|--|--|------------------|------|--|--|--|
| WSUN | 900 | | | | WWJ | 920 | | | |
| St. Petersburg, Fla. | | | | | Detroit, Mich. | | | | |
| WSVS | 1370 | | | | WWL | 850 | | | |
| Buffalo, N. Y. | | | | | New Orleans, La. | | | | |
| WSYR | 570 | | | | WWNC | 570 | | | |
| Syracuse, N. Y. | | | | | Asheville, N. C. | | | | |
| WTAD | 1440 | | | | WWRL | 1500 | | | |
| Quincy, Ill. | | | | | Woodside, N. Y. | | | | |
| WTAG | 580 | | | | WWVA | 1160 | | | |
| Worcester, Mass. | | | | | Wheeling, W. Va. | | | | |
| WTAM | 1070 | | | | 2BB | 1200 | | | |
| Cleveland, Ohio | | | | | Havana, Cuba | | | | |
| WTAQ | 1330 | | | | 2LR | 1280 | | | |
| Eau Claire, Wis. | | | | | Havana, Cuba | | | | |
| WTAR | 780 | | | | 2MG | 1050 | | | |
| Norfolk, Va. | | | | | Havana, Cuba | | | | |
| WTAW | 1120 | | | | 2OK | 860 | | | |
| College Station, Tex. | | | | | Havana, Cuba | | | | |
| WTAX | 1210 | | | | 2OL | 1170 | | | |
| Streator, Ill. | | | | | Havana, Cuba | | | | |
| WTAZ | 1210 | | | | 2RK | 950 | | | |
| Richmond, Va. | | | | | Havana, Cuba | | | | |
| WTBO | 1420 | | | | 2TW | 1110 | | | |
| Cumberland, Md. | | | | | Havana, Cuba | | | | |
| WTFI | 1450 | | | | 2UF | 1090 | | | |
| Toccoa, Ga. | | | | | Havana, Cuba | | | | |
| WTHS | 1310 | | | | 6BY | 1150 | | | |
| Atlanta, Ga. | | | | | Cienfuegos, Cuba | | | | |
| WTIC | 600-1060 | | | | 6KW | 790 | | | |
| Hartford, Conn. | | | | | Tuinucu, Cuba | | | | |
| WTMJ | 620 | | | | 7SR | 860 | | | |
| Milwaukee, Wis. | | | | | Elia, Cuba | | | | |
| WWAE | 1370 | | | | | | | | |
| Hammond, Ind. | | | | | | | | | |

THE OUTPUT TRANSFORMER

The writer's set gave him some trouble by a gradual loss of volume until after a week or two it finally died altogether. Batteries and tubes tested OK and everything seemed right clear up to the loud-speaker unit. Putting on a set of head-phones each of the cord-tips was applied to the wires leading to the loud-speaker coil and the "program came in fine." This coil was therefore replaced and everything was as it should be but about a year later the thing happened again. It was not only expensive buying new speaker-coils but it was a lot of trouble tearing down the unit. An output transformer was purchased for \$3.50 and the speaker leads of the set were attached to this transformer while the leads of the transformer were attached to the speaker. The

results were gratifying beyond all hopes. Not only was the speaker unit protected from the voltage of the B battery as the current that entered this coil was now an inductance from the transformer, but the volume was increased greatly. Before, the set had seemed to choke up with too much volume and the filament rheostat would have to be turned back to clear up the tone. But with the output transformer, it would take all the current there was without choking while the volume would rouse the dead, even with distant stations. Of course it was not volume we wanted but a good clear tone and with the transformer we got not only this but a far better tone as well, with a deeper resonance in the bass notes than this set had ever given before.

INDEX BY LOCATIONS WITH MAP KEY

| | | | | | |
|---------------------|------|------|-----------------------------|------|------|
| ALABAMA | | | | | |
| Birmingham K-19-a | WAPI | 1140 | Ontario | KFWC | 1200 |
| | WBRC | 930 | Pasadena J-4 | KPPC | 1200 |
| | WKBC | 1310 | | KPSN | 950 |
| Gadsden K-20-a | WJBY | 1210 | Sacramento H-2-a | KFBK | 1310 |
| Montgomery K-19-b | WIBZ | 1500 | San Diego K-4-b | KFSD | 600 |
| ALASKA | | | | KGB | 1360 |
| Anchorage | KFQD | 1230 | San Francisco H-1-c | KFRC | 610 |
| Juneau | KFIU | 1310 | | KFWI | 930 |
| Ketchikan | KGBU | 900 | | KGTT | 1420 |
| ARIZONA | | | | KJBS | 1100 |
| Flagstaff J-7 | KFXV | 1420 | | KPO | 680 |
| Phoenix K-7 | KFAD | 620 | | KYA | 1230 |
| | KFCB | 1310 | San Jose I-2 | KQW | 1010 |
| Prescott J-6 | KPJM | 1500 | Santa Ana K-4 | KWTC | 1500 |
| Tucson L-7 | KGAR | 1370 | Santa Barbara J-3 | KFCR | 1500 |
| ARKANSAS | | | Santa Maria J-2-b | KSMR | 1200 |
| Blytheville I-18 | KLCN | 1290 | Santa Monica K-3 | KTM | 780 |
| Fayetteville I-16 | KUOA | 1390 | Stockton H-2-b | KGDM | 1150 |
| Hot Springs J-16 | KTHS | 800 | | KWG | 1200 |
| Little Rock J-17 | KGHI | 1500 | Westminster | KPWF | 1490 |
| | KGJF | 890 | COLORADO | | |
| McGehee K-17 | KLRA | 1390 | Colorado Springs H-10 | KFUM | 1270 |
| Siloam Springs I-16 | KGHH | 1310 | Denver G-10-b | KFEL | 940 |
| | KFPW | 1340 | | KFUP | 1310 |
| CALIFORNIA | | | | KFXF | 940 |
| Berkeley H-1-a | KRE | 1370 | | KLZ | 560 |
| Burbank J-4 | KELW | 780 | | KOA | 830 |
| Culver City K-3 | KFVD | 700 | | KOW | 1390 |
| El Centro K-5 | KXO | 1200 | Edgewater G-10 | KPOF | 880 |
| Fresno I-3 | KMJ | 1200 | Fort Morgan G-11 | KFXJ | 1310 |
| Glendale K-3 | KGFH | 1000 | Greeley F-10 | KGEW | 1200 |
| Hayward H-2 | KZM | 1370 | Greeley F-10 | KFKA | 880 |
| Hollywood K-3 | KFQZ | 850 | Gunnison H-9 | KFHA | 1200 |
| | KMTR | 570 | Pueblo H-11 | KGDP | 1210 |
| Holy City I-2 | KFQU | 1420 | | KGHF | 1320 |
| Inglewood K-4 | KMTC | 1120 | Trinidad H-10 | KGIW | 1420 |
| Long Beach K-4-a | KFOX | 1250 | Yuma G-11 | KGEK | 1200 |
| | KGER | 1370 | CONNECTICUT | | |
| Los Angeles K-3-b | KEJK | 1250 | Bridgeport F-26 | WICC | 1190 |
| | KFI | 640 | Hartford E-26-d | WTTC | 1060 |
| | KFSG | 1120 | Mansfield E-27-i | WCAC | 600 |
| | KFWB | 950 | New Haven F-26-b | WDRC | 1330 |
| | KGEF | 1300 | DELAWARE | | |
| | KGJF | 1420 | Wilmington G-25 | WDEL | 1120 |
| | KHJ | 900 | | WILM | 1500 |
| | KNX | 1050 | DISTRICT OF COLUMBIA | | |
| | KPLA | 570 | Washington G-24-c | WMAL | 630 |
| Oakland H-1-b | KTBI | 1300 | | WRC | 950 |
| | KFWM | 930 | | WJSV | 1460 |
| | KGO | 790 | | WOL | 1310 |
| | KLS | 1440 | FLORIDA | | |
| | KLX | 880 | Clearwater N-21 | WFLA | 900 |
| | KTAB | 550 | Gainesville M-21 | WRUF | 1470 |
| | | | Jacksonville M-22 | WJAX | 1260 |

INDEX BY LOCATIONS WITH MAP KEY

| | | | | | |
|---------------------|------|------|-----------------------|------|------|
| Lakeland N-22 | WMBL | 1310 | Decatur G-18 | WJBL | 1200 |
| Miami O-23 | WQAM | 1240 | Evanston E-19 | WEHS | 1390 |
| Miami Beach O-23 | WIOD | 1240 | Galesburg F-18-a | WKBS | 1310 |
| | WMBF | 560 | | WLBO | 1310 |
| Orlando N-22 | WDBO | 620 | Harrisburg H-18-b | WEBQ | 1210 |
| Pensacola L-19 | WCOA | 1120 | Joliet E-19-f | WCLS | 1310 |
| Sarasota N-22 | WSIS | 1010 | | WKBB | 1310 |
| St. Petersburg N-21 | WSUN | 900 | La Salle F-18-d | WJBC | 1200 |
| Tampa N-22-b | WDAE | 620 | Mooseheart E-18-e | WJJD | 1180 |
| | WMBR | 1210 | Peoria Heights G-18 | WMBD | 1440 |
| GEORGIA | | | Quincy G-17 | WTAD | 1440 |
| Atlanta K-20-a | WGST | 890 | Rockford E-18-c | KFLV | 1410 |
| | WSB | 740 | Rock Island F-17-c | WHBF | 1210 |
| | WTHS | 1310 | Springfield G-18 | WCBS | 1210 |
| Columbus K-20 | WRBL | 1200 | Streator F-18-e | WTAX | 1210 |
| Macon K-21 | WMAZ | 890 | Tuscola G-19-b | WDZ | 1070 |
| Tifton L-21 | WRBI | 1310 | Urbana G-19-a | WILL | 890 |
| Toccoa J-21 | WTFI | 1450 | Zion E-19-c | WCBD | 1080 |
| HAWAII | | | INDIANA | | |
| Honolulu | KGHB | 1320 | Anderson G-20-a | WHBU | 1210 |
| | KGU | 940 | Brookville G-20 | WKBV | 1500 |
| IDAHO | | | Culver F-19-d | WCMA | 1400 |
| Boise D-4 | KIDO | 1250 | Evansville H-19 | WGBF | 630 |
| Idaho Falls D-7 | KGIO | 1320 | Fort Wayne F-20-b | WGL | 1230 |
| Jerome E-5 | KFXD | 1420 | | WOWO | 1160 |
| Kellogg B-5 | KFEY | 1210 | Gary F-19 | WJKS | 1360 |
| Pocatello E-7 | KSEI | 900 | Hammond F-19 | WWAE | 1200 |
| Sand Point A-4 | KGKX | 1420 | Indianapolis G-19-c | WFBM | 1230 |
| Twin Falls E-5 | KGIQ | 1320 | | WKBF | 1400 |
| ILLINOIS | | | Kokomo F-19-g | WJAK | 1310 |
| Batavia F-18-c | WORD | 1480 | Lafayette F-19-f | WBAA | 1400 |
| Carthage F-17-e | WCAZ | 1070 | La Porte F-19-c | WRAF | 1200 |
| Chicago E-19-g | KFKX | 1020 | Muncie G-20 | WLBC | 1310 |
| | KYW | 1020 | South Bend F-20-a | WSBT | 1230 |
| | KYWA | 1020 | Terre Haute G-19 | WBOW | 1310 |
| | WAAF | 920 | Valparaiso F-19-b | WRBC | 1240 |
| | WBBM | 770 | | | |
| | WCFL | 970 | IOWA | | |
| | WCRW | 1210 | Ames E-16-c | WOI | 560 |
| | WEDC | 1210 | Boone E-16 | KFGQ | 1310 |
| | WENR | 870 | Cedar Rapids E-17-a | KWCR | 1310 |
| | WGES | 1360 | Clarinda E-15-c | KSO | 1380 |
| | WGN | 720 | Council Bluffs F-15-b | KOIL | 1260 |
| | WHFC | 1310 | Davenport F-17-a | WOC | 1000 |
| | WHT | 1480 | Decorah D-17 | KGCA | 1270 |
| | WIBO | 570 | | KWLC | 1270 |
| | WJAZ | 1480 | Des Moines F-16-a | WHO | 1000 |
| | WKBI | 1310 | Fort Dodge E-16-a | KFJY | 1310 |
| | WLIB | 720 | Iowa City E-17-b | WSUI | 580 |
| | WLS | 870 | Marshalltown E-16-d | KFJB | 1200 |
| | WMAQ | 670 | Muscataine F-17-b | KTNT | 1170 |
| | WMBI | 1080 | Ortumba F-17 | WIAS | 1420 |
| | WPCC | 570 | | | |
| | WSBC | 1210 | | | |

INDEX BY LOCATIONS WITH MAP KEY

| | | | | | |
|----------------------|------|------|----------------------|------|------|
| Red Oak F-15 | KICK | 1420 | Chelsea E-27 | WLOE | 1500 |
| Shenandoah F-15-c | KFNF | 890 | Fall River E-27 | WSAR | 1450 |
| | KMA | 930 | Gloucester E-27 | WEPS | 1200 |
| Sioux City E-15 | KSCJ | 1330 | | WHOH | 830 |
| Waterloo F-17 | WMT | 1200 | Lexington E-27 | WLEX | 1420 |
| KANSAS | | | New Bedford E-27-g | WNBH | 1310 |
| Concordia G-14 | KGCN | 1420 | South Dartmouth E-27 | WMAF | 1360 |
| Lawrence G-15-a | KFKU | 1220 | Springfield E-26-b | WBZ | 990 |
| | WREN | 1220 | Webster E-27-d | WKBE | 1200 |
| Manhattan G-14-a | KSAC | 580 | Wellesley Hills E-27 | WBSO | 780 |
| Milford G-14 | KFKB | 1130 | Worcester E-27-b | WTAG | 580 |
| Topeka G-14 | WIBW | 1300 | MICHIGAN | | |
| Wichita H-14-a | KFH | 1300 | Battle Creek E-20 | WKBP | 1420 |
| KENTUCKY | | | Bay City D-21 | WBCM | 1410 |
| Hopkinsville I-19 | WFIW | 940 | Berrien Springs E-19 | WEMC | 590 |
| Louisville H-20 | WHAS | 820 | Calumet B-18 | WHDF | 1370 |
| | WLAP | 1200 | Detroit E-21-g | WAFD | 1500 |
| LOUISIANA | | | | WBMH | 1310 |
| Cedar Grove M-17 | KGGH | 1310 | | WCX | 750 |
| New Orleans M-17 | WABZ | 1200 | | WGHP | 1240 |
| | WDSU | 1270 | | WJR | 750 |
| | WJBO | 1370 | | WMBC | 1420 |
| | WJBW | 1200 | East Lansing E-20-b | WWJ | 920 |
| | WSMB | 1320 | Flint E-21-a | WKAR | 1040 |
| | WWL | 850 | Grand Rapids E-20-a | WDFD | 1310 |
| Shreveport K-16 | KRMD | 1310 | | WASH | 1270 |
| | KSBA | 1450 | Jackson E-20 | WOOD | 1270 |
| | KWEA | 1210 | Lapeer E-21 | WIBM | 1370 |
| | KWKH | 850 | Ludington D-19 | WMPC | 1500 |
| | | | Royal Oak E-21-e | WKBZ | 1500 |
| | | | Ypsilanti E-21-f | WAGM | 1310 |
| | | | | WJBK | 1370 |
| MAINE | | | MINNESOTA | | |
| Bangor C-28-b | WABI | 1200 | Collegetown C-15 | WFBJ | 1370 |
| Portland D-28-b | WLBZ | 620 | Fergus Falls B-15 | KGDE | 1200 |
| | WCSH | 940 | Hallock A-14 | KGFK | 1200 |
| | | | Minneapolis C-16-B | WCCO | 810 |
| MARYLAND | | | | WDGY | 1390 |
| Baltimore G-24-a | WBAL | 1060 | | WGMS | 1250 |
| | WCAO | 600 | | WHDI | 1390 |
| | WCBM | 1370 | | WLB | 1250 |
| | WFBR | 1270 | | WRHM | 1250 |
| Cumberland G-23 | WTBO | 1420 | Northfield D-16 | KFMX | 1250 |
| Salisbury G-23 | WSMD | 1310 | | WCAL | 1250 |
| | | | St. Paul C-16-c | KSTP | 1460 |
| MASSACHUSETTS | | | | WCCO | 810 |
| Boston E-27-c | WBET | 1360 | | WGMS | 1250 |
| | WBIS | 1230 | MISSISSIPPI | | |
| | WBZA | 990 | Columbus K-18 | WCOC | 880 |
| | WEEL | 590 | Greenville K-17 | WRBQ | 1210 |
| | WMES | 1500 | Gulfport M-18 | WGCM | 1210 |
| | WNAC | 1230 | Hattiesburg L-18 | WRBJ | 1500 |
| | WSSH | 1420 | Utica L-17 | WQBC | 1360 |

INDEX BY LOCATIONS WITH MAP KEY

| MISSOURI | | | NEW JERSEY | | |
|-----------------------|------|------|-----------------------|------|------|
| Cape Girardeau H-18-c | KFVS | 1210 | Asbury Park G-26 | WCAP | 1280 |
| Columbia G-16-b | KFRU | 630 | Atlantic City G-25 | WPG | 1100 |
| Independence G-16-c | KLDS | 950 | Camden F-25-f | WCAM | 1280 |
| | KMBC | 950 | Cliffside F-26 | WPAP | 1010 |
| Jefferson City H-16-a | WOS | 630 | | WQAO | 1010 |
| Joplin H-16 | WMBH | 1420 | Elizabeth F-26-h | WIBS | 1450 |
| Kansas City G-15-b | KWKC | 1370 | Jersey City F-26-d | WAAT | 1070 |
| | WDAF | 610 | | WKBO | 1450 |
| | WHB | 950 | | WPCH | 810 |
| | WLB | 1420 | Newark F-25-h | WAAM | 1250 |
| | WOQ | 610 | | WGCP | 1250 |
| Kirksville F-16-c | KFKZ | 1200 | | WNJ | 1450 |
| St. Joseph G-15 | KFEQ | 560 | | WOR | 710 |
| | KGBX | 1370 | Paterson F-26-c | WODA | 1250 |
| St. Louis H-18-a | KFUO | 550 | Plainfield F-25 | WEAM | 1370 |
| | KFWF | 1200 | Red Bank G-26 | WJBI | 1210 |
| | KMOX | 1090 | Trenton F-25 | WOAX | 1280 |
| | KSD | 550 | Union City F-26 | WBMS | 1450 |
| | KWK | 1350 | | | |
| | WEW | 760 | | | |
| | WIL | 1420 | | | |
| | WMAY | 1200 | | | |
| MONTANA | | | NEW MEXICO | | |
| Billings C-8 | KGHL | 950 | Albuquerque | KGGM | 1370 |
| Butte C-7 | KGIR | 1360 | Raton I-11 | KGFL | 1370 |
| Havre A-8 | KFBB | 1360 | State College K-9 | KOB | 1180 |
| Kalispell A-5 | KGEZ | 1310 | | | |
| Missoula B-6 | KGHD | 1420 | NEW YORK | | |
| | KUOM | 570 | Auburn E-24 | WMBO | 1370 |
| Vida B-10 | KGCK | 1420 | Bay Shore F-26-h | WINR | 1210 |
| | | | Binghamton E-25 | WCGU | 1400 |
| | | | Brooklyn F-26-f | WBBC | 1400 |
| | | | | WCDA | 1350 |
| | | | | WCLB | 1500 |
| | | | | WLTH | 1400 |
| | | | | WMBQ | 1500 |
| | | | | WSGH | 1400 |
| | | | Buffalo E-23-a | WEBR | 1310 |
| | | | | WGR | 550 |
| | | | | WKBW | 1470 |
| | | | | WKEN | 1040 |
| | | | | WMAK | 900 |
| | | | Canton D-25 | WSVS | 1370 |
| | | | Cazenovia E-25-b | WCAD | 1220 |
| | | | Coney Island F-26 | WMAC | 570 |
| | | | Farmingdale F-26 | WNBF | 1500 |
| | | | Freeport F-26-i | WLBH | 1420 |
| | | | Grand Island E-23 | WGBB | 1210 |
| | | | Greenville E-26 | WCOH | 1210 |
| | | | Ithaca E-24-d | WEAI | 1270 |
| | | | | WLCI | 1210 |
| | | | Jamaica F-26-f | WMRJ | 1420 |
| | | | Jamestown E-23-b | WOCL | 1210 |
| | | | Long Island City F-26 | WLBX | 1500 |
| NEBRASKA | | | | | |
| Clay Center G-14 | KMMJ | 740 | | | |
| Lincoln F-14-b | KFAB | 770 | | | |
| | KFOR | 1210 | | | |
| | WCAJ | 590 | | | |
| Norfolk E-14-c | WJAG | 1060 | | | |
| Omaha F-15-a | WAAW | 660 | | | |
| | WOW | 590 | | | |
| Ravenna F-13 | KGFW | 1420 | | | |
| York F-13 | KGBZ | 930 | | | |
| NEVADA | | | | | |
| Reno G-3 | KOH | 1370 | | | |
| NEW HAMPSHIRE | | | | | |
| Laconia D-27 | WKAV | 1310 | | | |
| Tilton E-27 | WBRL | 1430 | | | |

INDEX BY LOCATIONS WITH MAP KEY

| | | |
|--------------------|------|------|
| New York City F-26 | WABC | 860 |
| | WBNY | 1350 |
| | WBOQ | 860 |
| | WEAF | 660 |
| | WGBS | 1180 |
| | WHAP | 1300 |
| | WHN | 1010 |
| | WHPP | 1420 |
| | WJZ | 760 |
| | WKBQ | 1350 |
| | WLWL | 1100 |
| | WMCA | 570 |
| | WMSG | 1350 |
| | WNYC | 570 |
| | WOV | 1130 |
| | WRNY | 1010 |
| Peekskill F-26-a | WOKO | 1440 |
| Rochester E-24-b | WABO | 1440 |
| | WHAM | 1150 |
| | WHEC | 1440 |
| | WNBQ | 1500 |
| Rossville F-26 | WBBR | 1300 |
| Saranac Lake D-26 | WNBZ | 1290 |
| Schenectady E-25-c | WGY | 790 |
| Syracuse E-24-c | WFBL | 900 |
| | WSYR | 570 |
| Troy E-21-a | WHAZ | 1300 |
| Tupper Lake D-25 | WHDL | 1420 |
| Utica E-25-a | WIBX | 1200 |
| Woodhaven F-26 | WEVD | 1300 |
| Woodside F-26 | WWRL | 1500 |

NORTH CAROLINA

| | | |
|-----------------|------|------|
| Asheville J-21 | WWNC | 570 |
| Charlotte J-22 | WBT | 1080 |
| Gastonia J-22 | WRBU | 1210 |
| Greensboro I-22 | WNRC | 1440 |
| Raleigh I-23 | WPTF | 680 |
| Wilmington J-24 | WRBT | 1370 |

NORTH DAKOTA

| | | |
|------------------|------|------|
| Bismarck B-12 | KFYR | 550 |
| Devils Lake A-13 | KDLR | 1210 |
| Fargo B-14 | WDAY | 1280 |
| Grand Forks A-14 | KFJM | 550 |
| Mandan B-12 | KGCU | 1200 |

OHIO

| | | |
|----------------------|------|------|
| Akron F-22-b | WADC | 1320 |
| | WFJC | 1450 |
| Bellefontaine G-21-a | WHBD | 1370 |
| Cambridge F-22 | WEBE | 1210 |
| Canton F-22-d | WHBC | 1200 |

| | | |
|--------------------|------|------|
| Cincinnati G-20-e | WAAD | 1420 |
| | WFBE | 1200 |
| | WKRC | 550 |
| | WLW | 700 |
| | WSAI | 800 |
| Cleveland F-22-a | WEAR | 1070 |
| | WHK | 1390 |
| | WJAY | 1450 |
| | WTAM | 1070 |
| Columbus G-21-b | WAJU | 640 |
| | WCAH | 1430 |
| | WEAO | 550 |
| | WMAN | 1210 |
| Dayton G-21-e | WSMK | 570 |
| Hamilton G-20-d | WRK | 1310 |
| Mansfield F-21 | WLbv | 1210 |
| Middletown G-20 | WSRO | 1420 |
| Springfield G-21-c | WCso | 1380 |
| Steubenville F-22 | WIBR | 1420 |
| Toledo F-21-a | WSPD | 1340 |
| Youngstown F-22 | WKBN | 570 |

OKLAHOMA

| | | |
|----------------------|------|------|
| Alva I-13 | KGFF | 1420 |
| Chickasha J-14-b | KOCW | 1420 |
| Enid I-14 | KGCB | 1370 |
| Norman J-14-a | WNAD | 1010 |
| Oklahoma City I-14-b | KFJF | 1470 |
| | KFXR | 1310 |
| | KGFG | 1370 |
| | WKY | 900 |
| Picher I-15 | KGGF | 1010 |
| Ponca City I-14 | WBBZ | 1200 |
| Tulsa I-15 | KVOO | 1140 |

OREGON

| | | |
|----------------|------|------|
| Astoria C-1-a | KFJI | 1370 |
| Corvallis D-1 | KOAC | 560 |
| Eugene D-1 | KORE | 1420 |
| Marshfield E-1 | KOOS | 1370 |
| Medford E-1 | KMED | 1310 |
| Portland C-1-b | KEX | 1180 |
| | KFEC | 1370 |
| | KFIF | 1420 |
| | KFJR | 1300 |
| | KGW | 620 |
| | KOIN | 940 |
| | KTBR | 1300 |
| | KWBS | 1500 |
| | KWJJ | 1060 |
| | KXL | 1250 |

PENNSYLVANIA

| | | |
|------------------|------|------|
| Allentown F-25-c | WCBA | 1440 |
| | WSAN | 1440 |
| Altoona F-24-c | WFBG | 1310 |
| Carbondale F-25 | WNBW | 1200 |

INDEX BY LOCATIONS WITH MAP KEY

| | | | | |
|-----------------------|------|------|----------------------|-----------|
| Elkins Park G-25-c | WIBG | 930 | SOUTH DAKOTA | |
| Erie E-23 | WEDH | 1420 | Brookings D-14 | KFDY 550 |
| | WRAK | 1370 | | KGCR 1210 |
| Grove City F-23-b | WSAJ | 1310 | Dell Rapids D-14 | KGDA 1370 |
| Harrisburg F-24-d | WBAK | 1430 | Oldham D-14 | KGDY 1200 |
| | WPRC | 1200 | Pierre D-12 | KGFX 580 |
| Johnstown F-23-d | WHBP | 1310 | Rapid City D-11 | WCAT 1200 |
| Kingston F-24 | WABF | 1440 | Sioux Falls D-14 | KSOO 1110 |
| Lancaster G-25-a | WGAL | 1310 | Vermillion E-14-b | KUSD 890 |
| | WKJC | 1200 | Yankton E-14-a | WNAX 570 |
| Lemoyne G-24 | WMBS | 1430 | TENNESSEE | |
| Lewisburg F-24-b | WJBU | 1210 | Chattanooga J-20 | WDOD 1280 |
| Oil City F-23-a | WLBW | 1260 | Knoxville I-20 | WFBC 1200 |
| Philadelphia G-25-d | WABY | 1310 | | WNBK 1310 |
| | WCAU | 1170 | | WNOX 560 |
| | WELK | 1370 | Lawrenceburg J-19 | WOAN 600 |
| | WFAN | 610 | Memphis J-18-a | WGBC 1430 |
| | WFI | 560 | | WHBQ 1370 |
| | WFKD | 1310 | | WMBM 1500 |
| | WHBW | 1500 | | WMC 780 |
| | WIP | 610 | | WNBR 1430 |
| | WLIT | 560 | | WREC 600 |
| | WNAT | 1310 | Nashville I-19 | WBAW 1490 |
| | WOO | 1500 | | WLAC 1490 |
| | WPSW | 1500 | | WSM 650 |
| | WRAK | 1020 | Springfield I-19 | WSIX 1210 |
| | KDKA | 980 | Union City I-18 | WOBT 1310 |
| Pittsburgh F-23-c | KQV | 1380 | TEXAS | |
| | WCAE | 1220 | Amarillo J-12 | KGRS 1410 |
| | WJAS | 1290 | | WDAG 1410 |
| Reading F-25-d | WRAW | 1310 | Austin L-14-b | KUT 1120 |
| Scranton F-25-a | WGBI | 880 | Beaumont M-16 | KFDM 560 |
| | WQAN | 880 | Breckenridge K-13 | KFYO 1420 |
| State College F-24-a | WPSC | 1230 | Brownsville O-14-b | KWWG 1260 |
| Washington F-23 | WNBO | 1200 | Brownwood L-13 | KGKB 1500 |
| Wilkes-Barre F-25-b | WBAX | 1210 | College Station M-13 | WTAW 1120 |
| | WBRE | 1310 | Dallas L-15-a | KRLD 1040 |
| Wilkinsburg F-23 | WMBJ | 1500 | | WFAA 1040 |
| Willow Grove G-25 | WALK | 1500 | | WRR 1280 |
| PORTO RICO | | | Dublin K-14 | KFPL 1310 |
| San Juan | WKAQ | 890 | El Paso L-10 | WDAH 1310 |
| RHODE ISLAND | | | Fort Worth L-14-a | KFJZ 1370 |
| Cranston F-27-a | WDWF | 1210 | | KTAT 1240 |
| | WLSI | 1210 | | WBAP 800 |
| Newport F-27 | WMBA | 1500 | Galveston M-15-b | KFLX 1370 |
| Pawtucket E-27 | WPAW | 1210 | | KFUL 1290 |
| Providence E-27-h | WEAN | 550 | Greenville K-15 | KFPM 1310 |
| | WJAR | 890 | Harlingen O-14 | KRGV 1260 |
| SOUTH CAROLINA | | | Houston M-15-a | KPRC 920 |
| Charlestown K-23 | WBBY | 1200 | | KTUE 1420 |
| Columbia K-22 | WRBW | 1310 | Richmond M-15 | KGHX 1500 |

INDEX BY LOCATIONS WITH MAP KEY

| | | | | | |
|----------------------|------|------|-------------------------|------|------|
| San Angelo M-12 | KGFI | 1310 | Tacoma B-1-a | KMO | 1340 |
| | KGKL | 1370 | | KVI | 1340 |
| San Antonio M-14-a | KGCI | 1370 | WEST VIRGINIA | | |
| | KGDR | 1500 | Charleston H-22 | WOBW | 580 |
| | KGRC | 1370 | Clarksburg G-22 | WQBJ | 1200 |
| | KTAP | 1420 | Fairmont G-23 | WMMN | 890 |
| | KTSA | 1290 | Huntington G-22 | WSAZ | 580 |
| | WOAI | 1190 | Weirton G-22 | WQBZ | 1420 |
| Waco L-15-b | WJAD | 1240 | Wheeling G-22 | WWVA | 1160 |
| Wichita Falls K-14 | KGKO | 570 | WISCONSIN | | |
| UTAH | | | Beloit E-18-b | WEBW | 600 |
| Ogden F-7-b | KFUR | 1370 | Eau Claire D-17 | WTAQ | 1330 |
| Salt Lake City F-7-c | KDYL | 1290 | Fond du Lac D-18-d | KFIZ | 1420 |
| | KSL | 1130 | Kenosha E-19 | WCLO | 1200 |
| VERMONT | | | La Crosse E-17 | WKBH | 1380 |
| Burlington D-26-a | WCAX | 1200 | Madison E-18-2 | WHA | 570 |
| Springfield D-26-b | WNBX | 1200 | | WIBA | 1210 |
| VIRGINIA | | | Manitowoc D-19 | WOMT | 1210 |
| Arlington G-24-d | NAA | 690 | Milwaukee E-19-a | WHAD | 1120 |
| Newport News | WGH | 1310 | | WISN | 1120 |
| Norfolk I-24 | WBBW | 1200 | | WTMJ | 620 |
| | WPOR | 780 | Poynette D-18-e | WIBU | 1310 |
| | WTAR | 780 | Racine E-19 | WRJN | 1370 |
| Petersburg I-24 | WLBG | 1200 | Sheboygan C-18 | WHBL | 1410 |
| Portsmouth I-24 | WSEA | 780 | Stevens Point D-18-b | WLBL | 900 |
| Richmond H-24 | WBBL | 1370 | Superior B-17 | WEBC | 1280 |
| | WMBG | 1210 | West De Pere D-19 | WHBY | 1200 |
| | WRVA | 1110 | WYOMING | | |
| | WTAZ | 1210 | Laramie F-10 | KWYO | 600 |
| Roanoke H-23 | WDBJ | 930 | CANADA | | |
| WASHINGTON | | | ALBERTA | | |
| Aberdeen B-1 | KXRO | 1420 | Calgary | CFAC | 690 |
| Bellingham A-1 | KVOS | 1200 | | CFCN | 690 |
| Everett A-2 | KFBL | 1370 | | CHCA | 690 |
| Lacey B-2-b | KGJ | 1200 | | CJCJ | 690 |
| Longview B-1 | KUJ | 1500 | | CNRC | 690 |
| Pullman B-4 | KWSC | 1390 | Edmonton | CHMA | 580 |
| Seattle B-2-a | KFQW | 1420 | | CJCA | 580 |
| | KJR | 970 | | CKUA | 580 |
| | KKP | 1370 | | CNRE | 580 |
| | KOL | 1270 | Lethbridge | CJOC | 1120 |
| | KOMO | 920 | Red Deer | CHCT | 840 |
| | KPCB | 1210 | | CKLC | 840 |
| | KPQ | 1210 | BRITISH COLUMBIA | | |
| | KRSC | 1120 | Chilliwack | CHWK | 1210 |
| | KTW | 1270 | Kamloops | CFJC | 1120 |
| | KVL | 1370 | | | |
| | KXA | 570 | | | |
| Spokane A-4 | KFIO | 1230 | | | |
| | KFPY | 1390 | | | |
| | KGA | 1470 | | | |
| | KHQ | 590 | | | |

INDEX BY LOCATIONS WITH MAP KEY

| | | | | | |
|----------------|------|------|----------------|------|------|
| Sea Island | CJOR | 1030 | QUEBEC | | |
| Vancouver | CHLS | 730 | Montreal | CFCF | 730 |
| | CKCD | 730 | | CHYC | 730 |
| | CKFC | 730 | | CKAC | 730 |
| | CKMO | 730 | | CNRM | 730 |
| | CKWX | 730 | Quebec | CHRC | 880 |
| | CNRV | 1030 | | CKCI | 880 |
| Victoria | CFCT | 630 | | CKCV | 880 |
| | | | St. Hyacinthe | CNRQ | 880 |
| MANITOBA | | | | CKSH | 1010 |
| Winnipeg | CKY | 780 | SASKATCHEWAN | | |
| | CNRW | 780 | Fleming | CJRW | 1010 |
| NEW BRUNSWICK | | | Moose Jaw | CJRM | 1010 |
| Fredericton | CFNB | 1210 | Regina | CHWC | 960 |
| Moncton | CNRA | 630 | | CJBR | 960 |
| St. John | CFBO | 890 | | CKCK | 960 |
| NOVA SCOTIA | | | | CNRR | 960 |
| Halifax | CHNS | 930 | Saskatoon | CFQC | 910 |
| ONTARIO | | | | CJHS | 910 |
| Bowmanville | CKGW | 960 | Yorkton | CNRS | 910 |
| Brantford | CKCR | 1010 | | CJGX | 630 |
| Chatham | CFCO | 1210 | HAITI | | |
| Cobalt | CKMC | 1210 | Port au Prince | HHK | 830 |
| Hamilton | CHCS | 880 | MEXICO | | |
| | CHML | 880 | Chihuahua | CZF | 970 |
| | CKOC | 880 | Mazatlan | CYR | 630 |
| Iroquois Falls | CFCH | 600 | Merida | CYY | 550 |
| King Twp. | CFRB | 960 | Mexico City | CYA | 1000 |
| Kingston | CFMC | 1120 | | CYB | 1090 |
| | CFRC | 1120 | | CYH | 800 |
| London | CJGC | 910 | | CYJ | 750 |
| Midland | CKPR | 1120 | | CYL | 750 |
| Ottawa | CKCO | 690 | | CYO | 710 |
| | CNRO | 690 | | CYX | 920 |
| Prescott | CFLC | 1010 | Oaxaca | CZE | 860 |
| Preston | CKPC | 1210 | Puebla | CYF | 1130 |
| Toronto | CFCA | 840 | Tampico | CYU | 960 |
| | CFCL | 580 | Torreón | CYQ | 930 |
| | CHNC | 580 | Vera Cruz | CYM | 1330 |
| | CJBC | 580 | | CYC | 890 |
| | CJBC | 840 | CUBA | | |
| | CJBC | 960 | Cienfuegos | 6BY | 1150 |
| | CJSC | 580 | Elia | 7SR | 860 |
| | CKCL | 580 | Havana | CMC | 840 |
| | CKNC | 580 | | 2BB | 1200 |
| | CKOW | 840 | | 2LR | 1280 |
| | CNRT | 840 | | 2MG | 1050 |
| PRINCE EDWARD | | | | 2OK | 860 |
| ISLAND | | | | 2OL | 1170 |
| Charlottetown | CFCY | 960 | | 2RK | 950 |
| | CHCK | 960 | | 2TW | 1110 |
| Summerside | CHGS | 1120 | Tuínucu | 2UF | 1090 |
| | | | | 6KW | 790 |

WHAT'S ON THE AIR TONIGHT?

A Weekly Calendar

Leading Features of the Network Programs

Time is given by Eastern Standard For Central Time, subtract one hour, for Mountain Time, two hours and for Pacific Time, three hours.

Station lists beginning with WEAJ and WJZ are the National Broadcasting Co. Inc., while those beginning with WABC and WOR are the Columbia Broadcasting System.

Every Morning

- 6:45-8:00 Tower Health Exercises**
WEAF WEI WFI WRC WGY
WGR WCAE
- 8:00-8:15 Rastus' Musical Menagerie**
WEAF WEI WGY
- 8:15-8:30 Morning Devotions**
WEAF WRC WGY WGR
- 8:30-8:50 Cheerio**
WEAF WEI WRC WGY
- 8:50-9:00 Parnassus Trio**
WEAF WEI WRC
- 9:00-9:15 Virginia Arnold, Pianist**
WJZ KWK WREN
- 9:00-10:00 U. S. Navy Band**
WEAF WEI WRC WOC
- 9:15-10:00 Three Little Maids**
WJZ KWK WREN
- 10:00-10:30 Dr. Royal S. Copeland**
WJZ WBZ WBZA WHAM KDKA
WLW WJR KFKX WREN WRC
- 11:15-11:30 Radio Household Institute**
WEAF WEI WTIC WJAR WTAG
WCSH SLIT WRC WGY WGR
WCAE WTAM WJW WSAI KSD
KSTP WTMJ KVOO

Sunday

- 1:30-2:00 Peerless Reproducers**
WEAF WLIT WJW WOW WTMJ
WEFI WRC WSAI WDAF WTIC
WGY KSD KVOO WSM WJAR
WGR WOAI WFAA WTAG WCAE
KYW KPRC WCS WTAM WSB
KSTP
- 2:00-3:00 Roxy Symphonic Concert**
WJZ WBZ WBZA WBAL KYW
KDKA WJR WTMJ WREN WLW
WEBC
- 2:00-2:30 Biblical Drama**
WEAF WTIC WCAE WSAI KSD
WOW WDAF KVOO WFAA WHAS
- 3:00-4:00 Symphonic Hour**
WABC WOW WSPD WNAC WCAO
WRC KMOX WHK WEAN WJAS
WGHP KMBC WCAU WFBL WADC
WMAO KOIL WLBW WMAL WKBW
WCCO WISN
- 3:00-4:00 Young People's Conference**
WJZ WLW KWK WBT WBAL
WSB KVOO KSTP WREN WTMJ
- 3:00-4:00 Dr. Stephen S. Wise**
WEAF WTIC WJAR WRC WSAI
WGR
- 4:00-5:00 Cathedral Hour**
WABC KMOX WHK WNAC WCAO
WRC KMBC WMAO WEAN WJAS
WGHP KOIL WCAU WFBL WADC
WOW WSPD WLBW WMAL WKBW
WCCO
- 4:00-5:00 Dr. S. Parkes Cadman**
WEAF WEI WTIC WJAR WTAG
WHAS WCSH WLIT WGY WBT
WGR WCAE WSAI WSB WFAA
WOW KVOO WSM KOA WKY
- 4:30-5:00 McKinney Musicians**
WJZ WBZ WBZA WBAL WHAM
KDKA WJR WLW KYW KWK
WREN
- 5:30-6:00 Dr. Harry Emerson Fosdick**
WJZ WBZ WBZA WBAL WLW
KWK WREN WHAM
- 5:30-6:00 Rev. Donald Grey Barnhouse**
WABC WCAU WNAC WEAN WFBL
WJAS WADC WKRC WGHM WMAO
WOW KMOX KOIL WLBW WLBW
WKBW
- 6:00-6:30 The Stetson Parade**
WEAF WTIC WJAR WTAG WCSH
WFI WRC WGY WGR WCAE
WTAM WWJ KSD WEI WGN
WOW WDAF KVOO WFAA KPRC
WOAI WHAS WSM WSB WTMJ
KSTP KOA WHO
- 6:30-7:00 Acousticon Hour**
WEAF WEI WRC WGY WDAF
WCAE WTAM WWJ WOW WCSH
WFI WGR KSD WTIC WJAR
WTAG WHO
- 6:30-7:00 Whittall Anglo-Persians**
WJZ WBZ WBZA WBAL WHAM
KDKA WLW WJR KYW KWK
WREN KOA WCCO WTMJ KSTP
WEBC KSL KPO KGO KFI
KGW KOMO KHQ
- 7:00-7:30 Old Company's Program**
WEAF WEI WTIC WJAR WTAG
WCS WFI WRC WGY WGR
- 7:30-8:00 At the Baldwin**
WJZ WBZ WBZA WBAL WHAM
WJR WLW KWK WREN KOA
WHAS WSM WSB WFAA KPRC
WOAI KYW WKY
- 7:30-9:00 Major Bowes' Family**
WEAF WTIC WRC WJAR WGY
WCAE WTAM WHAS WSM WMC
WGR
- 8:00-8:15 The Enma Jettick Melodies**
WJZ WBZ WBZA WBAL WHAM
KDKA WTMJ WJR KYW KWK
WREN WSB WHAS WSM WKY
KVOO WFAA WOAI KSTP KPRC

8:00-8:30 Around the Samovar

WABC WFBL WCAO KMOX KOIL
WHK WLWB WMAL WCCO

8:15-9:15 Colliers Radio Hour

WJZ WBZ WBZA WBAL WHAM
KDKA WJR WLW KYW WKW
WREN KOA KSTP

8:30-9:00 La Paliza Hour

WABC WFBL WADC WOWO WSPD
WNAC WKRC WGHP KMBC KMOX
WEAN WJAS KOIL WHK WCAU
WCAO WBBM WLWB WMAL WCCO

9:00-9:15 David Lawrence

WEAF WTIC WJAR WFAA WSB
WTAG WCSH WRC WOW WGR
WCAE KSD KVOO WHAS WGY
WHO WOAI WBT WTMJ WKY

9:00-10:00 Majestic Theatre of the Air

WABC WMAK WKRC KMOX WNAC
WCAO WGHP KMBC WEAN WJAS
WOWO KOIL WHK WFBL WADC
WSPD KGA WMAL WBBM WLWB
WCAU KYA KMTR KEX KJR
WCCO WTAR WWNC WDDO WBR
WREC KLZ KDYL KFFJ WRR
WBW KTSA WISN WDSU KLRA
WDBJ

9:15-9:30 Utica Jubilee Singers

WJZ WBAL KDKA KWK WHAM

9:15-10:15 Atwater Kent Radio Hour

WEAF WEEI WRC WGR KSD
WCAE WWJ WGN WGY WHO
WOAI WFI WTAM WOW WVOO
WFAA KPRC WSM WSB WBT
KSTP KOA KPO KGO KFI
KGW KOMO KHQ WKY KSL

9:45-10:00 El Tango Romantico

WJZ KDKA KWK WREN WBZ
WBZA WHAM

10:00-10:30 De Forest Audions

WABC WCAU WNAC WEAN WFBL
WMAK WCAO WJAS WADC KMOX
WKRC WGHP WBBM WOWO WHK
KMBC KOIL WSPD WLWB WMAL

10:15-10:45 Morley Singers

WJZ WLW KWK

10:15-11:00 National Light Opera

WEAF WFI WGY WTAM WHAS
WSB KSTP KOA WHO

10:30-11:00 Souvenir

WABC WCAU WNAC WEAN WFBL
WMAK WCAO WJAS WADC KMOX
WKRC WGHP WSPD WOWO WHK
KMBC KOIL WLWB WMAL WMAQ

Monday

10:30-11:30 Blue Birds Novelty

WJZ KFKX WREN KWK

12:45-1:45 Palais d'Or Orchestra

WEAF KSD WWJ

4:00-5:00 U. S. Marine Band

WJZ KWK WRC WJR WBZ
WBZA

6:00-6:25 Waldorf-Astoria Music

WEAF WCAE WRC

7:00-7:30 South Sea Islanders

WJZ WBAL KWK

7:30-7:45 "The World Today"

WEAF WLIT WFAA WOW WKY
WTMJ

7:30-8:30 Roxy and his Gang

WJZ WBZ WBZA WHAM KDKA
KWK WJR WSM WSB WBAL
WREN WBT WRC KOA WLS
WEEC

7:45-8:00 The Piano Twins

WEAF WOW WKY

8:00-8:30 School Daze

WOR WNAC WEAN WFBL WMAK
WJAS WADC WKRC WMAQ KMOX
KMBC KOIL WMAL WHK WLWB
WCAU WGL WISN

8:00-8:30 Voice of Firestone

WEAF WEEI WTIC WJAR WTAG
WCSH WLIT WRC WGY WGR
WCAE WWJ KSD WOW WDAF
KVOO WFAA KPRC WOAI WEEC
WTMJ KYW WHAS WSM WSB
WBT WRVA WJAX WTAM KSTP
WOC WKY

8:30-9:00 Geco Couriers

WOR WNAC WEAN WFBL WMAK
WCAO WJAS WADC WKRC WGHP
WMAQ KMOX KMBC KOIL WCAU
WHK WSPD WMAL WGL WLWB

8:30-9:30 A. & P. Gypsies

WEAF WTIC WJAR WCSH WLIT
WGY WCAE WTAM WWJ WGN
KSD WDAF WRC WTAG WGR
WEEI WOC

8:30-9:00 Automatic Duo Disc Duo

WJZ WBZ WBZA WBAL WHAM
KDKA WLW KYW KWK WREN
KOA WJR

9:00-9:30 Physical Culture Magazine

WOR WCAU WNAC WEAN WFBL
WMAK WCAO WJAS WADC WKRC
WGHP WMAQ KMOX KMBC WSPD
WHB WLWB KOIL WMAL WGL

9:30-10:00 General Motors Party

WEAF WEEI WJAR WCSH WLIT
WTAG WRC WGY WGR WCAE
WTAM WWJ WGN WTMJ KSD
WOW WDAF WFAA KPRC WOAI
WHAS WSM WSB WBT WJAX
KHQ KGO KFI KGW KSTP
KOA KSL KPO KOMO

9:30-10:00 Vitaphone Jubilee

WOR WCAU WNAC WEAN WFBL
WMAK WCAO WJAS WADC WKRC
WGHP WMAQ KMOX KMBC WSPD
WHK WLWB KOIL WMAL WGL
KLZ KDYL KYA KEX KJR
KGA KMTR

9:30-10:00 Real Folks

WJZ WBZ WBZA WBAL WHAM
KDKA WJR WLW KYW KWK
WREN

10:00-11:00 Show Boat

WOR WCAU WNAC WEAN WFBL
WMAK WCAO WJAS WADC WKRC
WGHP WMAQ KMOX KOIL WSPD
WHK WLWB WMAL WOWO WCCO
WISN

10:30-11:00 Empire Builders

WEAF WEEI WJAR WTAG WCSH
WLIT WRC WGY WGR WCAE
WTAM WWJ KYW KSD WOC
WOW KSTP WTMJ WEEC WHAS
WSB WBT WFAA KPRC WOAI
WKY KOA KSL KPO KFI
KGO KGW KOMO KHQ

11:00-11:30 National Grand Opera

WEAF WGR WWJ KSD WRC
WFAA WSAI WRVA WJAX WKY

Tuesday

9:15-10:00 Harry Merker's Orchestra
WEAF WEEI WRC

10:00-10:30 Ida Bailey Allen
WABC WCAU WNAC WEAN WFBL
WKBW WCAO WJAS WADC WGHP
WOWO KMOX KMBC KOIL WSPD
WHK WMAL WBBM

10:30-11:00 Blue Birds Novelty
WJZ KFCK WJR KWK WREN

10:30-11:00 Jewel Radio Hour
WABC WFBL WCAO WJAS WADC
WGHP WBBM KOIL WHK WMAL
WKBW WOWO KMOX

10:45-11:00 Harriet Wilson Food Club
WEAF WTIC WJAR WTAG WCSH
WFI WRC WGY WGR WTAM
WWJ WSAI KYW KSD WOC
WOW WDAF WTMJ WHAS WMC
WSB WBT KVOO WFAA KPRC
WOAI KSTP

11:00-11:15 Parnassus Trio
WEAF WRC WGY KSD

11:00-11:30 Radio School of Cookery
WJZ WBZ WBZA WHAM KDKA
WLW WJR KWK

2:15-3:15 Orpheus String Trio
WEAF WRC WGR

4:30-5:00 Auction Bridge Game
WEAF WEEI WTIC WJAR WTAG
WCSH WLIT WRC WGY WGR
WCAE WTAM WWJ WSAI WGN
WTMJ KSD KOA WOW WDAF
KVOO WFAA KPRC WOAI WHAS
WSM WSB WBT WOC

6:00-6:55 Waldorf-Astoria Music
WEAF WRC WCAE WFI

6:30-7:00 Savannah Liner's Orchestra
WJZ WBZ WBZA

7:00-7:30 Voters Service
WEAF WTIC WJAR WTAG WCSH
WFI WRC WGY WCAE KSD
WOW WDAF KOA WHAS WBT
WFAA WTMJ WMC

7:30-8:00 Soconyland Sketches
WEAF WEEI WTIC WJAR WTAG
WCSH WGY WGR

7:30-8:00 Fundamentals of the Law
WJZ WHAM WRVA WKY KWK
KOA WHAS WOAI KSTP

8:00-8:30 Genia Fonariva, Soprano
WEAF WFI WRC KSD

8:00-8:30 Sweethearts
WABC WFAN WNAC WEAN WFBL
WJAS KMOX WLBW WKBW WISN

8:00-8:30 Stromberg-Carlson Sextet
WJZ WBZ WBZA WBAL WHAM
KDKA WJR KYW KWK WREN
WTMJ KSTP KVOO WFAA KPRC
WOAI WHAS WSB WBT KOA
WKY WSM

8:30-9:00 Music Room
WABC WFAN WNAC WEAN WFBL
WJAS KMOX WLBW WKBW

8:30-9:00 Prophylactic Program
WEAF WEEI WTIC WJAR WTAG
WCSH WFI WRC WGY WGR
WCAE WWJ KSD WOW WDAF
WHO

8:30-9:00 Michelin Hour
WJZ WBZ WBZA WBAL WHAM
KVOO WFAA KPRC WOAI WJR
KDKA KYW KWK WRBN

9:00-9:30 Three-In-One-Theatre
WJZ WBZ WBZA WBAL WHAM
KDKA KYW KWK WREN WLW

9:00-10:00 Eveready Hour
WEAF WEEI WJAR WFI WRC
WGY WGR WCAE WTAM WWJ
WGN KSD WMC WSB WDAF
WHAS WSM KOMO KHQ KVOO
WOAI KGO KFI KGW KOA
KPO WHO KSTP WEBC KSL

9:00-10:00 Old Gold—Paul Whiteman
WABC WFAN WNAC WEAN WFBL
WCAO WJAS WADC WKRC WGHP
WOWO KMOX KMBC KOIL WSPD
WHK WMAL WKBW WLBW WBBM
WCCO WDBJ WTAR WREC KFJF
WISN WDSU KLRA KEX KJR
KGA KFH KTSA WWNC WLAC
WDOD WBRW WRR KLZ KDYL
KYA KMTR

9:30-10:00 Dutch Masters Minstrel
WJZ WTMJ WBZ WBZA WBAL
WHAM KDKA WLW KYW WREN
WJR KWK WTMJ

10:00-10:30 Clicquot Club Eskimos
WEAF WEEI WTIC WJAR WCSH
WFI WRC WGY WCAE WTAM
WWJ WTMJ KSD WMC WDAF
WFAA KPRC WOAI WHAS WSM
WSB WBT KOA WTAG WGR
KYW WOW KSTP WHO KSL
KPO KGO KFI KGW KOMO
KHQ

10:00-11:00 Curtis Institute of Music
WABC WFAN WNAC WEAN WFBL
WCAO WJAS WADC WKRC WGHP
WOWO KMOX KMBC KOIL WSPD
WMAL WKBW WLBW WBBM WTAR
WWNC WLAC WDOD WBRW WREC
KLZ KD KYA KMTR KJR
KEX KGA KFJF KRLD KTSA
WC WISN KLRA WDSU WDBJ
WIBW

10:30-11:00 The Contraltones
WEAF WFI WCAE WHO WRVA
WJAX

10:30-11:00 Orchestrians
WJZ WBZ WBZA WBAL WHAM
KDKA WJR KYW KWK WREN
KSTP KOA KSL KGO KPO
KGW KFI KOMO KHQ

11:00-12:00 Wrigley—Guy Lombardo
WABC WNAC WEAN WFBL WCAO
WJAS WADC WCAU WGHP WBBM
WOWO KMOX KMBC KOIL WSPD
WHK WKBW WLBW WMAL KLZ
KDYL KYA KMTR KJR KEX
KGA

11:00-12:00 Radio Keith-Orpheum
WEAF WEEI WTIC WJAR WTAG
WCSH WFI WRC WGY WGR
WCAE WTAM WWJ KYW KSD
WHO WDAF KSTP WTMJ WEBC
WJAX WHAS WSM WSB WMC
WBT WRVA WFAA KPRC WOAI
WKY KOA KSL KPO KGO
KFI KGW KOMO KHQ

11:00-12:00 Slumber Music
WJZ WRC WJAX

Wednesday

9:15-10:00 Harry Merker's Orchestra
WEAF WEEL WRC

10:00-11:00 National Home Hour
WEAF WEEL WTIC WJAR WTAG
WCSH WFI WRC WGR WGY
WCAE WEAR WWJ WSAI WTMJ
KSD KFKX WHO

10:00-10:30 Ida Bailey Allen
WABC WCAU WNAC WEAN WFBL
WMAK WCAO WJAS WADC WGHP
WBBM WOWO KMOX KMBC KOIL
WSPD WHK WMAL WRHM

10:30-11:00 Blue Birds Novelty
WJZ KWK WREN WJR

11:00-11:15 Parnassus Trio
WEAF WRC WGY KFKX KSD

11:00-11:30 Radio School of Cookery
WJZ WBZ WBZA WHAM KDKA
WLW KWK WJR

12:45-1:45 Palais d'Or Orchestra
WEAF WWJ KSD

2:15-3:15 Orpheus Trio
WEAF WRC WHO WGR

4:00-5:00 U. S. Navy Band
WJZ WLW WRC WREN WBZ
WBZA

6:00-6:25 Waldorf-Astoria Music
WEAF WRC WCAE WTAG

7:30-8:00 La Touraine Tableaux
WEAF WEEL WTIC WJAR WTAG
WCSH WGY WGR WCAE WWJ
WTAM WHAS WSB

7:45-8:00 Frederic William Wile
WRC WJZ WBAL KDKA WLW
WJR KWK WBZ WBZA

8:00-8:30 Mobiloil Orchestra
WJZ WBZ WBZA WBAL WHAM
KDKA WJR WLW KYW WREN
KSTP WTMJ KOA KVOO WFAA
KPRC WOAI WEEB

8:00-8:30 The Crystal Gazer
WOR WNAC WEAN WFBL WMAK
WCAO WJAS WADC WMAQ KMOX
KOIL WLWB WCCO WISN

8:30-9:00 Sylvania Foresters
WJZ KDKA WBZ WBZA WBAL
WHAM WLW WJR KWK KYW
WREN

8:30-9:00 Thirty Minute Men
WOR WNAC WEAN WFBL WMAK
WJAS WADC WMAQ KMOX KOIL
WLWB WMAL WCAU

8:30-9:00 The Intimate Musicale
WEAF WTIC WTAG WCSH WLIT
WCAE KSD WWJ WRC KSD
WOC WOW WMC

9:00-9:30 Smith Brothers
WJZ WBZ WBZA WBAL WHAM
WJR KYW KWK WREN KDKA

9:00-9:30 Ipana Troubadours
WEAF WEEL WTIC WJAR WTAG
WCSH WRC WGY WGR WCAE
WTAM WWJ KPRC WOAI WHAS
WSM WSB WBT KOA WTMJ
KSD WOW WDAF WBAP WGN
KSTP WOC KVOO

9:00-9:30 Daguerreotypes

WOR WCAU WNAC WEAN WFBL
WMAL WCAO WJAS WADC WLWB
WKRC WGHP WMAQ KMOX KMBC
WSPD KOIL WHK WMAK WGL
WISN

9:30-10:00 La Palina Smoker

WOR WCAU WNAC WEAN WFBL
WMAK WCAO WJAS WADC KMOX
WKRC WGHP WMAQ WOC KOIL
KMBC WSPD WHK WMAL WLWB
WCCO

9:30-10:30 Palmolive Hour

WEAF WJAX WSM WBT WEEL
WRC WTIC WGY WGN WDAF
WJAR WGR KSD KVOO WTAG
WCAE KPRC WFAA WCS WTAM
WOAI KOA WLIT WWJ WOW
WTMJ WHAS KSTP WOC KPO
KGO KFI KGW KOMO KHQ
KSL

9:30-10:00 The Cabin Door

WJZ WBAL KDKA WREN WJR

10:00-10:30 Kolster Radio Hour

WOR WFBL WADC WOWO WHK
WCAU WMAK WKRC KMOX KOIL
WNAC WCAO WGHP KMBC WMAL
WEAN WJAS WMAQ WSPD WLWB
WCCO KLZ KDYL KYA KEX
KJR KGA KMTR

10:30-11:00 Night Club Romances

WOR WMAK WFBL WOWO WSPD
WCAU WCAO WKRC KMOX WHK
WNAC WJAS WGHP WLWB WEAN
WADC WMAQ KOIL WMAL WCCO
WISN

11:00-12:00 Hal Kemp's Orchestra

WEAF KSD WOW WKY WCAE

11:00-12:00 Slumber Music

WJZ WHAM WRC

Thursday

10:00-10:15 Harry Merker's Orchestra

WEAF WGR WOC

10:00-10:30 Ida Bailey Allen

WABC WCAU WFBL WKBW WCAO
WJAS WADC WGHP WBBM WOWO
KMOX WSPD WHK WMAL WNAC
WEAN

10:30-11:00 Rit Program

WABC WCAU WFBL WKBW WCAO
WJAS WADC WGHP WBBM WOWO
KMOX WSPD WHK WMAL WNAC
WEAN

11:00-11:30 Radio School of Cookery

WJZ WBZ WBZA WHAM KDKA
WLW WJR KWK

4:00-5:00 U. S. Army Band

WJZ WRC WJR WREN

6:00-6:55 Waldorf-Astoria Music

WEAF WRC WCAE WTAG WFI

7:00-8:00 Ben Pollack's Orchestra

WJZ WREN

7:30-8:00 Coward Comfort Hour

WEAF WEEL WTIC WJAR WTAG
WCSH

8:00-8:30 The Song Shop

WEAF WTIC WJAR WTAG WCSH
WFI WRC WGY WGR WCAE
WTAM WWJ WTMJ WRHM WOW
WDAF KOA WEEL KSD WHO
KSTP

J. J. ...

8:00-8:30 Lehn and Fink Serenade

WIZ WBZ WBZA WBAL WHAM
 KDKA WOAI WLW WIR WFAA
 KYW KWK KVOO WFAA KPRC
 WREN WKY

8:00-9:00 United Opera Company

WABC WNAC WEAN WFBL WIAS
 KMOX KOIL WLBW WMAL WKBW

8:30-9:00 Hoover Sentinels

WEAF WEEL WTAM WFI WRC
 WGY WCAE WWI KSD WHAS
 WSM WOV WSB WFAA WDAF
 WGN WGR WHO WKY KSTP

8:30-9:00 Champion Sparkers

WIZ WBZ WBZA WBAL WHAM
 KDKA WLW WREN KWK KYW
 WJR

9:00-9:30 Seiberling Singers

WEAF WEEL WTIC WJAR WTAG
 WCSH WFI WRC WGY WGR
 KPO WWJ KFI KSD KHQ
 KOA WBT WOV WDAF WFAA
 KPRC WHAS WSM WMC WSB
 WTMJ KGO KGW WTAM KYW
 WHD WJAX KSTP KOMO WKY

9:00-9:30 Aunt Jemima

WABC WFAN WNAC WEAN WFBL
 WCAO WJAS WADC WKRC WGHP
 WBFM WOWO KMOX KMBC WSPD
 WSPD WHK WLBW WMAL WKBW

9:30-10:00 Sonora Phonograph Hour

WABC WFAN WNAC WEAN WFBL
 WMAL WJAS WADC WKRC WBBM
 WGHP WOWO KMOX KMBC WSPD
 WKBW WHK WLBW KOIL WCAO
 WCCO KEX KJR KFJF WRR
 KLZ KDYL KMTR KYA KGA
 WTAR WWNC WLAC WDOD WREC
 KLRA K TSA WDSU WISN WDBJ
 WBRC KFH

9:30-10:00 Maxwell House Hour

WIZ WBZ WBZA WBAL WHAM
 KDKA WLW WJR KYW KSD
 WHO WDAF KVOO WBAP KPRC
 WHAS WSM WSB WBT KOA
 WOW WEBC WJAX WTMJ KSTP
 WRVA

10:00-10:30 Columbians

WABC WFAN WNAC WEAN WFBL
 WJAS WADC WKRC WGHP WMAL
 WOWO KMOX KMBC WSPD WKBW
 WHK WLBW KOIL WCAO WBBM
 WCCO KLZ KDYL KMTR KYA
 KEX KJR KGA WTAR WWNC
 WLAC WDOD WREC KLRA KFJF
 KRLD K TSA WDSU WISN WDBJ
 WBRC KFH

10:00-10:30 Halsey Stuart Hour

WEAF WEEL WTIC WJAR WTAG
 WCSH WFI WRC WGY WGR
 WCAE WTMJ KSD WOV KVOO
 WFAA WOAI WHAS WBT KOA
 WSB WWJ KYW WHO KPRC
 KSTP

10:30-11:30 Palais d'Or Orchestra

WEAF WTIC WFI WGY WWJ
 WHO

10:30-11:00 Close-Ups

WABC WFAN WNAC WEAN WCAO
 WKRC WGHP KMBC WSPD WHK
 WLBW WMAL WJAS WADC WOWO
 KMOX KOIL WKBW WFBL WBBM
 WISN

Friday

9:15-10:00 Harry Merker's Orchestra

WEAF WEEL WRC

10:00-10:30 Ida Bailey Allen

WABC WNAC WEAN WCAO WADC
 WGHP WBFM KMBC WMAL WOWO
 WMAK KMBC KOIL WSPD WHK
 WCAU WFBL WJAS

10:00-11:00 National Home Hour

WEAF WEEL WTIC WTMJ KSD
 WIAR WTAG WCSH WFI WRC
 WGY WGR WCAE WWJ WSAI
 WEAR KFKX WHO

11:00-12:00 RCA Educational Hour

WIZ WBZ WBZA WBAL WHAM
 KDKA WIR WLW KWK KYW
 WOW WDAF KVOO WFAA KPRC
 WOAI KOA WTMJ WHAS WSM
 WSB WRVA WSBM WBT KFKX
 WRC WHO KSTP WJAX

12:00-12:15 Jean Carroll

WOR WCAU WNAC WEAN WFBL
 WMAK WCAO WJAS WADC WKRC
 WGHP WMBK WHK WMAL WBBM
 WOWO KOIL

12:00-12:15 Teeth, and Health

WEAF WEEL WTIC WJAR WTAG
 WCSH WLIT WRC WOV WCAE
 WTMJ WSAI WWJ WGY WGR
 WEAR KFKX KSD KSTP WHO

12:45-1:45 Palais d'Or Orchestra

WEAF WWJ KSD WRC

4:00-5:00 U. S. Marine Band

WJZ WBZ WBZA WLW WJR
 KWK KOA WRC

5:00-5:30 Florida Citrus Growers

WEAF WEEL WTIC WJAR WTAG
 WCSH WRC WGY WGR WCAE
 WTAM WWJ WSAI KYW KSD

6:00-6:55 Waldorf-Astoria Music

WEAF WRC WCAE

6:30-7:00 Raybestos Twins

WEAF WTIC WJAR WTAG WCS
 WFI WRC WGY WGR WCAE
 WTAM WWJ KSD WOV WDAF
 WOC KOA KSL KPO KGO
 KFI KGW KOMO KHQ

6:45-7:00 Enna Jettick Melodies

WABC WCAU WNAC WEAN WFBL
 WMAK WJAS WADC WBBM WOWO
 KMOX KOIL KMBC WHK WLBW
 WMAL WRHM

7:00-7:30 Happy Wonder Bakers

WEAF WRC WGR

7:15-7:30 Squibbs Health Talk

WIZ WBZ WBZA WHAM KDKA
 WJR WLW KYW KWK WREN
 KSTP WTMJ KOA

7:30-8:00 Dixies Circus

WJZ WBZ WBZA WBAL KDKA
 WJR WLW KYW WBT WSB
 WSM WHAS

8:00-8:30 The Crystal Gazer

WOR WNAC WEAN WFBL WMAK
 WJAS WKRC WMAQ KMOX KOIL
 WLBW WMAL WCCO WGHP WADC
 WCAO WHK WISN

8:00-9:00 Cities Service Orchestra

| | | | | |
|------|------|------|-----|------|
| WEAF | WEEI | WLIT | WRC | WDAF |
| WCAE | WTAM | WWJ | KSD | WOW |
| WFAA | KOA | KYW | WOC | WKY |
| KSTP | WGR | | | |

8:30-9:00 The Armstrong Quakers

| | | | | |
|------|------|------|------|------|
| WJZ | WBAL | WJR | KWK | WSB |
| WBZ | WHAM | WLW | WREN | WBZA |
| KDKA | WBT | WHAS | WSM | WLS |

8:30-9:00 Then and Now

| | | | | |
|------|------|------|------|------|
| WOR | WCAU | WNAC | WEAN | WFBL |
| WMAK | WJAS | WKRC | WMAQ | KMOX |
| KOIL | WLBW | WMAL | WCCO | WADC |
| WHK | WKBW | | | |

9:00-9:30 An Evening in Paris

| | | | | |
|------|------|------|------|------|
| WEAF | WEEI | WTIC | WRC | WGR |
| WCAE | WTAM | WWJ | WCSH | WDAF |
| KSD | WJAR | WTAG | WGN | WLIT |
| WGY | WOW | WOC | | |

9:00-10:00 True Story Hour

| | | | | |
|------|------|------|------|------|
| WOR | WMAK | WOWO | WSPD | WLBW |
| WCAU | WCAO | WKRC | KMOX | WMAL |
| WNAC | WJAS | WGHP | KMBC | WFBL |
| WEAN | WADC | WMAQ | KOIL | WHK |

9:00-10:00 Wrigley Review

| | | | | |
|------|-----|------|------|------|
| WJZ | WBZ | WBZA | WBAL | WHAM |
| KDKA | WLW | WJR | KYW | WREN |
| WHAS | WSM | WSB | WBT | WRVA |
| WJAX | KGO | WFAA | WOAI | KPO |
| KFI | KGW | KOMO | KHQ | KPRC |
| KOA | KSD | KSTP | | |

9:30-10:00 Schradertown Brass Band

| | | | | |
|------|------|------|------|------|
| WEAF | WEEI | WDAF | WTIC | WJAR |
| WTAG | WCSH | WLIT | WGY | WGR |
| WCAE | WWJ | WOC | KSD | WOW |

9:30-10:00 Philco Hour

| | | | | |
|------|------|------|------|------|
| WJZ | WBZ | WBZA | WBAL | WHAM |
| KDKA | WLW | WJR | KYW | KWK |
| WREN | WFAA | KPRC | WOAI | WHAS |
| WSM | WSB | WBT | WTMJ | |

10:00-10:30 United Choral Singers

| | | | | |
|------|------|------|------|------|
| WOR | WFBL | WADC | WMAQ | WSPD |
| WCAU | WMAK | KOIL | WHK | WNAC |
| WCAO | WKRC | KMOX | WLBW | WEAN |
| WJAS | WGHP | KMBC | WMAL | WCCO |
| WISN | | | | |

10:00-11:00 Concert Bureau Hour

| | | | | |
|------|------|------|------|------|
| WEAF | WEEI | WTIC | WTAG | WLIT |
| WRC | WCAE | WWJ | KSD | WGR |
| WOW | WKY | WGY | WRVA | WCSH |
| WRC | | | | |

10:00-10:30 Hudson-Essex Challengers

| | | | | |
|------|------|------|------|------|
| WJZ | WBZ | WBZA | WBAL | WHAM |
| WRVA | KDKA | WLW | WJR | KYW |
| KWK | WREN | KVOO | WFAA | KPRC |
| WOAI | WHAS | WSM | WBT | WTMJ |
| KSTP | WEBC | KOA | KSL | KPO |
| KCO | KFI | KGW | KOMO | KHQ |
| WKY | WSB | WJAX | | |

10:30-11:00 Thirty Minute Men

| | | | | |
|------|------|------|------|------|
| WOR | WCAU | WNAC | WEAN | WFBL |
| WMAK | WCAO | WJAS | WADC | WKRC |
| WGHP | KMOX | KMBC | KOIL | WSPD |
| WHK | WLBW | WMAL | WMAQ | WCCO |
| WSIN | | | | |

11:00-12:00 Hotel St. Regis Orchestra

| | | | | |
|------|------|-----|-----|-----|
| WEAF | WCAE | WWJ | KOA | WOW |
| KSD | WKY | | | |

11:00-12:00 Slumber Music

| | | | | |
|-----|-----|-----|------|------|
| WJZ | WLW | WRC | WTMJ | WHAS |
|-----|-----|-----|------|------|

Saturday**9:15-9:30 Harry Merker's Orchestra**

| | | |
|------|------|-----|
| WEAF | WEEI | WRC |
|------|------|-----|

9:30-10:30 U. S. Army Band

| | | | | |
|------|-----|------|-----|-----|
| WEAF | WRC | WEEI | WGR | WOC |
| KDKA | | | | |

12:30-1:30 Waldorf-Astoria Orchestra

| | | | |
|------|------|-----|-----|
| WEAF | WEEI | WRC | WWJ |
|------|------|-----|-----|

3:30-4:30 RCA Demonstration Hour

| | | | | |
|------|------|------|------|------|
| WBZ | WBZA | WJZ | WHAM | KDKA |
| WLW | WJR | KYW | KWK | KOA |
| WOAI | WHAS | WSB | KPRC | WFAA |
| KVOO | WDAF | WOW | WTMJ | WRC |
| WBT | WOC | KSTP | | |

6:30-7:00 Gold Spot Orchestra

| | | | | |
|-----|-----|------|------|-----|
| WJZ | WBZ | WBZA | KDKA | WLW |
|-----|-----|------|------|-----|

6:30-7:00 White House Dinner Music

| | | | | |
|------|------|------|------|-----|
| WEAF | WEEI | WTIC | WJAR | WSB |
| WTAG | WCSH | WFI | WRC | WGY |
| WGR | WCAE | WTAM | WWJ | WLS |
| WBT | WTMJ | KSTP | | |

7:00-7:30 Phil Spitalny's Music

| | | | | |
|------|-----|-----|-----|-----|
| WEAF | WFI | WRC | WGY | WSB |
|------|-----|-----|-----|-----|

7:30-8:00 Romance Isle

| | | | | |
|------|------|------|------|------|
| WEAF | WEEI | WTIC | WJAR | WTAG |
| WCSH | | | | |

7:45-8:00 The World's Business

| | | | | |
|-----|------|------|------|-----|
| WJZ | WBAL | WSM | KDKA | KWK |
| KOA | WFAA | WTMJ | WRC | |

8:00-8:30 Lew White Organ Recital

| | | | | |
|------|------|------|------|-----|
| WEAF | WTIC | WCAE | WSAI | KSD |
|------|------|------|------|-----|

8:00-8:30 Pure Oil Band

| | | | | |
|------|------|------|------|------|
| WJZ | WBAL | WHAM | KDKA | WTR |
| WLW | KYW | KWK | WREN | WTMJ |
| WHAS | WSM | WMC | WSB | WBT |
| WFAA | KPRC | WOAI | WKY | WRVA |
| WJAX | WEBC | KSTP | | |

8:30-9:00 Interwoven Entertainers

| | | | | |
|------|------|------|------|------|
| WJZ | WBZ | WBZA | WBAL | WHAM |
| KDKA | WJR | WLW | KYW | KWK |
| WREN | WHAS | WMC | WSB | WBT |
| WFAA | KPRC | WOAI | WKY | WRVA |
| WJAX | | | | |

8:30-9:00 Marimba Orchestra

| | | | | |
|------|------|------|------|-----|
| WEAF | WGY | WCAE | WWJ | KSD |
| WHO | WTIC | WJAR | WTAG | |

9:00-10:00 General Electric Hour

| | | | | |
|------|------|------|------|------|
| WEAF | WEEI | WTIC | WJAR | WTAG |
| WCSH | WFI | WRC | WGY | WGR |
| WCAE | WTAM | WWJ | KSD | WHO |
| WOW | WDAF | WTMJ | KOA | WHAS |
| WMC | WSB | WBT | WFAA | KPRC |
| WOAI | WKY | WJAX | WRVA | WEBC |
| KSL | KPO | KGO | KHQ | KGW |
| KOMO | KFI | | | |

10:00-11:00 Lucky Strike Orchestra

| | | | | |
|------|------|------|------|------|
| WEAF | KOA | WRC | KSD | WEEI |
| WGR | KPO | WTMJ | KSL | WTIC |
| WCAE | WOW | KHQ | WJAR | WTAM |
| WDAF | WGT | WTAG | WWJ | KVOO |
| KFI | WCSH | WFAA | WSB | KGW |
| WFI | WGN | KPRC | WBT | KOMO |
| WGY | WHO | WOAI | WJAX | KSTP |
| WKY | | | | |

11:00-11:15 Penee Sisters

| | | | | |
|------|-----|------|-----|-----|
| WEAF | WFI | WCAE | WWJ | KSD |
| WHO | WOW | WKY | | |

11:15-12:00 Ben Pollack's Orchestra

| | | | | |
|------|------|-----|-----|-----|
| WEAF | WCAE | WWJ | KSD | WHO |
| WDAF | WKY | | | |

Those Short Waves

THE following letter from J. Carroll Hay, Huntsville, Ala., is typical of many that we receive: "I am a subscriber to your magazine and think it a wonderful little book. I am now getting stations that I have never gotten before. I have a Kolster AC set with a Western Electric magnetic loud speaker. I have ordered the larger set with dynamic speaker. My first set was splendid and I am expecting big things out of the latter. I have been told that by a very simple plug-in attachment I would be able to get the principal foreign stations. Can you give me any information in regard to this attachment, its cost, where I can get parts or where I can buy one already built?"

There are now on the market parts for short-wave sets, kits for their construction and sets built ready for use by manufacturers. Any of these can be arranged to lead the signals to a plug which fits into the detector socket of any broadcast receiver. These signals then go through the audio amplification system of the regular set and out through head phones or loud speaker. Using the regular set in this way will of course do it no harm.

But this can certainly not be described as a simple "plug-in attachment" for the short-wave receiver is not only a complete radio set in itself but is much more delicate, sensitive and tricky than an ordinary set. In fact the short-wave receiver may be said to be today where the broadcast receiver was back in 1923.

(Continued on page 64)

Patents & Trade Marks!

Protect your most valuable assets.
Superior service. Prompt attention.

LESTER L. SARGENT

Registered Patent Attorney

1115-K St.

Washington, D. C.

QUESTION BOX

(Continued from page 11)

I am using a super-heterodyne receiver, tone quality and DX reception are wonderful. I still find some difficulty in tuning distance because of the numerous whistles that are always prevalent at many points on the dial. These are not re-generative whistles caused by my own receiver because I get them when the intermediate amplifier is not oscillating. During daylight I have much less trouble from this source and also after midnight the number of whistles gradually diminish. The receiver is a straight seven tube super with a loop antenna.

Your trouble lies in the fact that your loop circuit tunes too broadly. As a result several signals are present in your first tube circuit at the same time that you are trying to tune in signals. These frequencies or beats between some of these frequencies and the fundamental or harmonic frequencies of your oscillator combine to give you heterodyne beats of audible frequency. Check over the circuit of your first tube to make sure that there are no poor connections that might provide high resistance and therefore give you broad tuning. In the event that you cannot eliminate this trouble yourself, I suggest that you call a radio service man to repair your set.

When I tune in station KDKA Pittsburgh, I hear a constant whistle which in my estimation cannot be a heterodyne, because there isn't another station on the same wavelength.

The station that is heterodyning is not necessarily on the same wavelength that you are tuned to. It can be 10 kilocycles above or below this station.

The whistle that you are receiving may be somebody tuned to the same station that you are tuned to. In this event, the set is of an oscillating type.

The interference that you are receiving can be on the same frequency that you are tuned to. It may be your light line, electrical apparatus in your neighborhood, poor wiring in your dwell-

(Continued on page 64)

ing, or power transformers on light poles.

How much would it cost to electrify my six tube set? First, If I do the work? Second, If I have it done?

Cost of the necessary parts, tubes, etc., assuming that you have none of these on hand, will be in excess of \$60. If you have the work done, about \$15 additional charge will be made for labor. You must remember that you do not then have an electric set but a re-built battery set.

Can a charger used for large radio batteries be used to charge my automobile battery?

Yes. Providing its charging rate is two amperes or more. You will generally find this charging rate on the plate attached to the charger. Care must be taken to connect the charger to the battery correctly.

Those Short Waves

(Continued from page 63)

The short-wave receiver is of course simplified to some extent and consequently cheapened when the audio-frequency portion of the regular set is used.

Many radio users, being accustomed to the present-day efficiency and simplicity of the broadcast set, lose all patience with the short-wave receiver and some give it up as a bad job. We have had subscribers write us that they bought a nationally known short-wave receiver and after weeks of trial had been unable to hear a single signal. Any radio user knows how much more careful one must be in tuning in stations at the lower end of a dial. That is, the lower the wave the more critical the tuning. Well, this principle is intensified a hundred-fold in the extreme short waves.

We do not want to discourage our listeners from experimenting in the short-wave field for we believe that is

where the great progress of the next decade is going to be made but we do want them to know that it is an experiment when they work in the vast space below the broadcast band. The ether there is full of signals of all sorts, most of which of course are utterly unintelligible to one who cannot read code, with here and there a broadcast station and foreign short-wave station. It is a fascinating job for the technically-minded but it's no place like home for the fellow with scant patience who wants to spin the dials and get his results quickly and certainly.

RADEX does not deal in the technical side of radio. For the technically-minded interested in short waves, we recommend the numerous articles on this subject which have appeared in the magazine Radio Broadcast.

Neighborhood Noises

(Continued from page 4)

checked over every known electrical device in the neighborhood but have not located it. Can you suggest what we can do? A radio around here is almost useless because the noise is only off for a few hours at a time every few days."

Such a situation as described here is maddening and only the most careful and systematic search will locate it. We know of one such noise that caused a whole town to rage which was finally located in the telephone-central in a ringing device. In another town the interurban cars could be heard clicking in the loud speaker while they were still several miles away but, oddly enough, when they were going the other way there was no noise at all. This indicates that we cannot lay down any set rules for finding the causes of electrical disturbances of the ether. Patience, determination and work are the only tools.

When You Write a Letter

Give a Good Impression
of Yourself

Use Individual Stationery

Every business house receives letters daily from people who forget to sign their names or sign them so illegibly they cannot be answered.

When you receive a letter from a person who uses stationery with his own name and address printed on it, your opinion of that person rises at once.

Printed stationery costs but little more than the other. Why not give yourself this distinction of standing in your community?

We can furnish you with letterheads and envelopes on high grade paper neatly packed in a strong box. Fifty sheets of paper and fifty envelopes to match.

\$1.50 per Box

Specify which of the following styles you desire. Print your name plainly.

THE RADEX PRESS P. O. Box 143 Cleveland, Ohio

Style A



34 Green Street

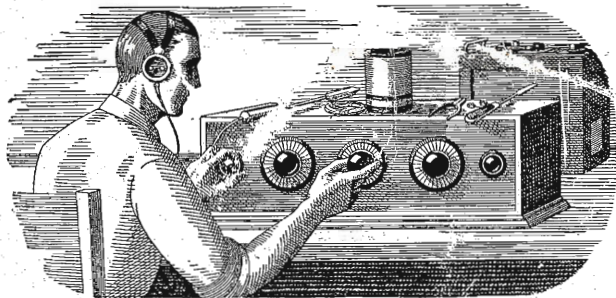
Brookline, Massachusetts

Style B

Mrs. David Harry Moore

3424 North Centh Street

Philadelphia, Pennsylvania



If all the Radio sets I've "fooled" with in my time were piled on top of each other, they'd reach about halfway to Mars. The trouble with me was that I thought I knew so much about radio that I really didn't know the first thing. I thought Radio was a plaything—that was all I could see in it for me.

I Thought Radio Was a Plaything

But Now My Eyes Are Opened, and I'm Making Over \$100 a Week!

\$50 a week! Man alive, just one year ago a salary that big would have been the height of my ambition.

Twelve months ago I was skipping along on starvation wages, just barely making both ends meet. It was the same old story—a little job, a salary just as small as the job.

If you'd told me a year ago that in twelve months time I would be making \$100 and more every week in the Radio business—whew! I know I'd have thought you were crazy. But that's the sort of money I'm pulling down right now—and in the future I expect even more. Why, only today—

But I am getting ahead of my story. I was hard up a year ago because I was kidding myself, that's all—not because I had to be.

When broadcasting first became the rage, I first began dabbling with Radio. There's a fascination—something that grabs hold of a fellow—about twirling a little knob and suddenly listening to a voice speaking a thousand miles away!

Up to a year ago, I was just a dabbler—I thought Radio was a plaything. I never realized what an enormous, fast-growing industry Radio had come to be—employing thousands and thousands of trained men. I usually stayed home in the evenings after work, because I didn't make enough money to go out very much.

And as for the idea that a splendid Radio job might be mine, if I made a little effort to prepare for it—such an idea never entered my mind. When a friend suggested it to me one year ago I laughed at him.

"You're kidding me," I said.

"I'm not," he replied. "Take a look at this ad."

He pointed to a page ad in a magazine I'd seen many times but just passed up. This time I read the ad carefully. It told of many big opportunities for trained men to succeed in the great new Radio field. With the advertisement was a coupon. I sent the coupon in, and in a few days received a handsome 64-page book, telling about the opportunities in the Radio field and how a man can prepare quickly and easily at home to take advantage of these opportunities. Well, it was a revelation to me. I read the book carefully, and when I finished it I made my decision.

What's happened in the twelve months since that day, seems almost like a dream to me now. For ten of those twelve months, I've had a Radio business of my own. At first, of course, I started it as a little proposition on the side, under the guidance of the National Radio Institute. It wasn't long before I was getting so much to do that I quit my measly little clerical job, and devoted my full time to my Radio business.

Since that time I've gone right on up. They would have given me just as much help, too, if I had wanted to follow some other line of Radio besides building my

own retail business—such as broadcasting, manufacturing, experimenting, sea operating, or any one of the score of lines they prepare for you. And to think that until that day I sent for their eye-opening book, I'd been waiting!

"I never had a chance."

Now I'm making, as I told you before, over \$100 a week. And I know the future holds even more, for Radio is one of the most progressive, fastest-growing businesses in the world today. And it's work that I like—work a man can get interested in.

You may not be as bad off as I was. But think it over—are you satisfied? Are you making enough money, at work that you like? Would you sign a contract to show where you are now for the next ten years—making the same money? If not, you'd better be doing something about it.

This new Radio game is a live-wire field of golden rewards. The work is fascinating, absorbing, well paid. The National Radio Institute—oldest and largest Radio home-study school in the world—will train you inexpensively in your own home to know Radio from A to Z.

Take another tip—No matter what your plans are, no matter how much or how little you know about Radio—clip the coupon below and look their free book over. It is filled with interesting facts, figures, and photos, and the information it will give you is worth a few minutes of anybody's time. You will place yourself under no obligation—the book is free, and is gladly sent to anyone who wants to know about Radio. Just address J. E. Smith, President, National Radio Institute, Dept. 9P91, Washington, D. C.

J. E. SMITH, President,
National Radio Institute, Dept. 9P91,
Washington, D. C.

Dear Mr. Smith:—Please send me your 64-page free book, giving all information about the opportunities in Radio and how I can learn quickly and easily at home to take advantage of them. I understand this request places me under no obligation, and that no salesman will call on me.

Name.....

Address.....

Town.....

State.....