

THE DECEMBER 1930

RADIO IN DEX

The Magazine that Doubles the Pleasure of Radio



25^c

To _____

A Very Merry Christmas
and A Happy New Year

From _____

No. 44

HOW TO ADD A TONE CONTROL

N. S. E.

Give RADEX for Christmas

WE can't think of a thing that would give your friends so much pleasure for so little money as any one of the items listed below.

The December RADEX will have a Christmas and New Year greeting right on the front cover—just fill in your own and your friend's names and there is the finest kind of a holiday card and one that will give pleasure for months.



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For 25 Cents:

The Christmas number of RADEX, or
The Radio Map of North America.

For 50 Cents:

A leatherette cover for RADEX or Map.

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Leatherette cover with RADEX or Map.

For One Dollar:

Leatherette cover with both RADEX and Map, or
The next five issues of RADEX.

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Next five issues of RADEX, Map and Cover, or
Next ten issues of RADEX and Map.

For \$3.50:

Two subscriptions of 10 issues (or one subscrip-
tion of 20 issues) with Cover and two Maps.

Use the subscription blank on Page 18.

*In the January issue: How to Add a Short Wave
Adaptor to Your Set*

THE DECEMBER 1930



RADIO INDEX

REG. U. S. PATENT OFFICE

FRED CLAYTON BUTLER

Editor and Publisher



SEVENTH YEAR

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Published Monthly Excepting July and August
See Subscription Blank on page 18

THE RADEX PRESS

1367 East 6th Street Cleveland, Ohio

National Advertising Representatives:

The Carpenter Advertising Co., Citizens Building, Cleveland, Ohio

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ADDING Your Own TONE CONTROL

ONE of the latest gadgets to put on your radio set, or have installed by a competent service man, is a tone control. Do not confuse this with a volume control, because it isn't such a thing, although it does reduce the volume of the higher tones. A tone control is just what its name implies, that is a control of the tone quality of a receiver. It would, however, be decidedly foolish to imagine that a tone control will improve reception to such a marked degree that one can make a good set out of a poor one. No such miracle is suggested. "Well," you ask, "what does a tone control do and is it a worthwhile improvement?" To be sure a tone control is desirable; it improves reception by taking the harsh edge off a raspy tenor, the shrillness from a loud soprano, it softens the blatant effect of a blary, brass band and changes the pitch of a speaker who has a decidedly irritating nasal quality of voice.

How It Works

The tone control consists of a fixed condenser, of from .001 to .1-mfd. capacity, and a variable resistor having a maximum resistance of 500,000 ohms, the latter being installed on the panel of the receiver so that it is always accessible. Usually the connections are as shown in Fig. 1. One side of the fixed condenser is connected to the G-terminal

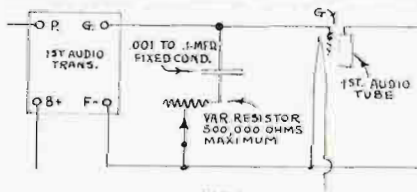


FIG. 1.

of the first audio transformer, that is the one following the detector stage. The other side of the condenser goes to the fixed side of the resistor, while the variable side of the resistor is connected to the F-terminal of the same audio transformer. Thus the condenser and resistor are connected in series while the whole arrangement is merely shunted across

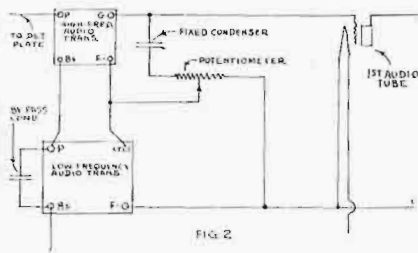
The Why and the How of It

the secondary winding of the first audio transformer. When the resistor is set so that all of its resistance is in the circuit, the reproduction is practically the same as it was before making the above-mentioned change in the wiring. But when the resistance is cut out by moving the resistor arm in the opposite direction, the higher frequencies passing through the secondary winding of the transformer and from there to the grid of the first audio tube, are partly bypassed through the fixed condenser so that a portion of their strength is absorbed.

In reality, a tone control merely suppresses the higher frequencies, these being more easily passed through the condenser than through the first audio tube when the resistance in the tone-control circuit is reduced to a point where it is less than that of the grid circuit of the first audio stage, and as you know, an electric current always follows the path of least resistance, as many of us do ourselves. A tone control will not actually deepen the bass notes nor lower the frequency range of the first audio transformer, but when the higher frequencies are suppressed, that is, reduced in volume, while the lower frequencies still retain their original values, the latter will seem comparatively louder than otherwise.

A Clever Arrangement

One radio manufacturer has incorporated a delightfully clever idea that really does permit the user to emphasize either the high or the low notes along any desired graduation. He uses two audio transformers for the first stage, one designed to pass the higher frequencies and the other the lower frequencies. The circuit is shown in Fig. 2. The tone-control unit or resistor, which in this case happens to be a potentiometer, is cut in the circuit in a somewhat similar manner as that already described. The transformers are



hooked up in series, that is, the primary of one is connected in series with the primary of the other, and the same is true of the secondaries. When the resistor arm is set halfway, a normal tone quality is obtained, both transformers being in action. Turning the resistor toward one side cuts down the higher tones and then most of the load is carried by the lower-frequency transformer, resulting in emphasis of the low tones. Turning the resistor in the opposite direction cuts the load off this transformer, transferring it to the one designed for higher frequencies with the result that high tones are emphasized.

It has been questioned whether a tone control is necessary or advisable in case where tone, as actually produced before the microphone, is already of a superior quality. Naturally it would be useless to attempt improvement of something that is already perfect, or nearly so. On such cases, one would immediately discourage the use of a tone control. But there are a few factors that must be taken into consideration, even when dealing with really good tone. In the first place radio engineers claim that in order to have perfect reproduction of tone at the receiving end, the volume should be exactly the same strength as the signal when picked up by the microphone at the studio. However, in the average home this is usually out of the question. Imagine having a 50-piece band playing full strength in a small 9 by 12 living room. For comfort then the volume must be greatly reduced. When this is done the low notes of the musical scale, to which the human ear is least sensitive, are lost, while the higher ones are retained, thereby throwing the tone quality entirely out of balance. This is true whether the music

being broadcast is perfect in respect to tone quality. Obviously, to restore the proper balance at the receiving end the higher tones should be reduced in volume in the same proportion as the low notes, which can be accomplished by the installation of a tone control. The distorted effect due to incorrect location of microphones can also be corrected to a great extent by using a tone control. Another reason why a tone control is a good gadget is that as long as radio broadcasting exists there will be screechy sopranos, squawking tenors and others
(Continued on page 16)



Salt and Peanuts of WLW. Frank Salt and "Peanuts" sing old songs, new songs, blue songs, love songs, trick songs, hick songs and all sorts of songs.

WAVE TRAP Increases SELECTIVITY

And Gives
Greater Volume

HERE is a simple wave trap, which anyone, who likes to experiment a little, can readily make. The necessary parts for its construction are a .0005-mfd. variable condenser, a bakelite or cardboard tube four inches in diameter and three inches long, some No. 18 d. c. c. wire for the primary winding and some No. 22 d. c. c. wire for the secondary winding. A small snap switch and a piece of bakelite, large enough to hold the condenser, will also be found very handy. Wrap from 40 to 45 turns of No. 22 wire on the tube, this winding being the one which is connected at both ends to the variable condenser. On top of this winding, wrap 10 turns of No. 18 wire. The latter winding is connected between the antenna and the antenna post of the receiver. You will find it handy to connect a snap switch across this winding so that the wave trap may be shorted out when not in use. With a long antenna, fewer turns are used on the primary winding. On a 100-foot antenna only five turns of primary are needed. Mount the condenser and the switch on the bakelite panel and fasten the tube holding the coil to the frame of the condenser.

I am using a Crosley Gembox A. C. receiver. My antenna is located in the attic of a 1½-story house. It is about 35 feet in length and runs north and south, with the lead-in taken from the south end. My ground lead is about eight feet long and it is soldered directly to the city water mains. I find that my wave trap increases the signal strength from 75 to 100 per cent. I had often read the advertisements of certain manufacturers who claimed that the use of a wave trap increased signal strength, but this was rather difficult for me to believe. However, you can imagine my surprise, when after fixing up the wave trap described above, not only was interference cut down, but I actually found

that the wave trap increased the volume to a considerable extent.

Another Type

A slightly different wave trap, which I have also found highly satisfactory, makes use of low-loss form to hold the windings. The number of turns of the windings, and also the capacity of the variable condenser differ from the preceding wave trap. Get a bakelite tube four inches in diameter and 2½ inches in length. With a scriber carefully make a mark entirely around the tube about one-half inch from each end. Then lay off four sections about one-quarter inch wide running across the tube lengthwise. These sections should be equidistant. Then take a drill and make a hole which will enable you to insert a small metal-cutting blade of a scroll saw, and cut out the pieces between the sections laid off. The result will be a ring at each end connected by four one-quarter-inch cross-pieces. Keep the cutouts as they must be used when winding the coil, or else the wire will stretch directly from one cross-piece to another and the resulting coil will be square, which is, of course, not desired. Get a smaller coil that fits snugly inside of the four-inch coil, even if you have to build the diameter up by several layers of paper. After the smaller coil is put in place the cutout pieces are put back in their original positions and the wire is wound on the outside. Apply a liberal coating of collodion to the wire so that it will be practically self-supporting when dry, at which time the inner tube can be removed and also the cutouts.

In this case the secondary winding consisted of 30 turns of No. 18 d. c. c. wire. The primary winding, consisting of 10 turns of No. 14 d. c. c. wire, is then wound on a 3½-inch tube, and collodion is again applied. When dry, slip the winding off the tube and mount it inside of the secondary winding. Sometimes difficulty is experienced in removing a collodion-treated coil from a tube. One

(Continued on page 25)

MEET FREDDIE RICH



THIS is the story of a career and a personality, productive, gracious and surprising. To introduce so elaborately such an unassuming young man as Freddie Rich is incongruous, but imperative. Behind his smooth-shaven face, kindly eyes and smile is a determination intransigent. The will of a fighter who, not yet thirty, has established himself in this highly competitive world as a director extraordinary, a successful composer of popular music and a picturesque bon vivant.

He comes from the East Side and frankly admits it. His experiences recall those of the boy in "Haunch, Paunch and Jowl." He fraternized with peddlers, policemen and street musicians; felt the raw edges of poverty; battled with gangs. He stole away from school to swim in the East River, but nevertheless found time to practice daily at the piano. But unwillingly—unwillingly, that is, until one day his father, to punish him, stopped his lessons and locked up the instrument.

Then Freddie's need for forbidden music grew so urgent that he became a steadfast disciple and practiced faithfully hour after hour until he was proficient. Soon he was reaching out with the mysterious facility of the true artist into harmony and composition.

At twelve he had a job on Second

Avenue in an old-fashioned "nickel-odion." Tired fingers, poor ventilation, strain. Ten hours straight playing a day, with time off only to meet the requirements of the Board of Education, and \$13 a week for his services, \$12.50 going to his family and 50 cents for himself.

A hiatus here. A transitional period, with Freddie finally in the Damrosch Conservatory of Music, happy, and substantially laying the foundation for his future musical life.

The rest is a record of definite achievement. In 1922 at the Hotel Astor he was one of the first dance orchestra directors to conduct a program over the radio. In 1923 he was a recording artist and was composing numbers like "Animal Crackers." He was also gathering in dollars for his brilliant arrangement of the "Parade of the Wooden Soldiers."

Now as one of the principal conductors for the Columbia Broadcasting System, he does as many as sixteen different programs a week.

At rehearsals he is affable, winning, mild and resourceful.

"Come on, boys," he calls, and immediately his musicians respond with the best they have. He does not use a baton, but directs with hands and fingers superlatively plastic. He edits quickly: "Back eight measures as you'd actually play it," he orders. Then he stamps his feet, hard—so hard that they have to put felt on the stand to preserve it for other directors.

"Once more from the beginning," he shouts. "Give me the last eight bars that you are actually going to play. . . . 'Dum, dum, dum' alla breve. . . ." And finally, when the grueling hours of rehearsal are over, he dismisses his men with—"Thank you very much, boys."

How to Add a Short Wave
Adaptor Will be Found in
the January RADEX

Collecting RADIO VERIFICATIONS

A NUMBER of inquiries come to us regarding verification cards and asking for information as to securing them. It is necessary only to listen to a program long enough to ascertain the title of the feature and the time at which it was received. Send this in a letter to the station which you heard with a 2-cent stamp and they will advise you whether or not it agrees with their records. Stations as a rule will not give verifications on chain programs, as these are known to every one and do not constitute a proper basis for verification.

Station Stamps

New readers unfamiliar with DX stamps write to ask us what the asterisk means in the Index by Frequencies. This indicates that the station so marked has notified us that upon receipt of 10 cents and the correct report of a program received from their station, they will send as verification an adhesive stamp. Many listeners are making a collection of these stamps, as proof of the stations which they have received. Most of the stations furnish a stamp issued by the Ekko Company, although a few stations have put out an individual stamp of their own.

Recently collectors have begun to gather these radio stamps in the same way that philatelists have been collecting postage stamps for many years. This has given rise to a controversy which has been raging pro and con in the last several issues of this magazine.

Several readers have taken violent objection to the claims of DX reception published in our columns. Karl Halpern, 1435 Coney Island Ave., Brooklyn, N. Y., believes that some of these criticisms are aimed at him and therefore sends to us letters and cards he has received from foreign stations which indicate beyond a doubt that he heard their stations correctly. Two of these verifications were from JOBK, Japan, and EAJ19, Spain. Those of us who have never been able to tune in a single station from across the water do find it difficult to realize that one located in such a large city as

The Hobby of Many Readers

Brooklyn can bring in a number of them. But Mr. Halpern submits evidence proving that he has done so.

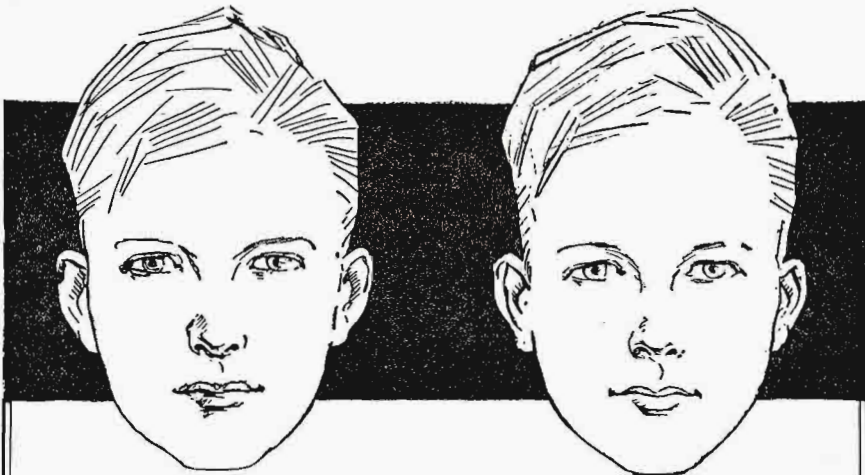
Another correspondent, Leon V. Garland, 216 West Franklin St., El Segundo, Calif., writes that he knows that his was the name referred to as heading the list of members of one of the stamp exchanges, but he says, "Although I have a number of Ekko stamps and have sold a number to parties wanting them, I have yet to find one person who is collecting them as proof of reception." Mr. Garland says that as proof of reception stamps are quite worthless, as he knows a number of stations that will send them just for the asking and 10 cents, and that he has known cases where proof cards from one station were sent to the stamp company with a request for a certain stamp of another station and the request was honored. Under such circumstances, of course, the possession of stamps constitutes in no way a proof of reception.

A second letter from Leonard L. Hoffman, 618 No. McBride St., Syracuse, N. Y., and a letter from J. W. Brauner, 17 E. Spring St., Williamsville, N. Y., seem to object more to the publicity given DXers than to their claims. As we have stated before if a person desires to claim unfounded reception he can do so without possessing a stamp. There are throughout the United States DXers who are making remarkable records in bringing in distant stations, including those across both the Atlantic and Pacific.

More Verifications

And Joseph Baskys, 1610 South Union Ave., Chicago, writes that his total of 978 stations were all verified by letter only and although he too sells stamps to collectors, he bases his count only on those verified by letter. He states further that he has shown all of his letters of foreign verification to Mr. Gilchrist,

(Continued on page 22)



One of these Boys Will Fail - IF

BOTH possess equal health and intelligence, both have qualities that make for success, but only one will succeed, for the other one stammers—he will fail. He is dominated by fear. He will dread to meet people, for he will lack the self-confidence so necessary to succeed in all walks of life, but especially in business; and the humiliation of his disability will result in an impairment of his nervous system—a condition often the beginning of ill health.

All stammerers are fully aware of their handicap; they know how it feels to be regarded as "different" from other people—and often laughed at. They know that their affliction sets them apart from all others who are normal. They know that stammering is a handicap which prevents their greatest success in business or their participation in social affairs. But all stammerers do not know that their handicap can be removed.

From childhood Benjamin Bogue was afflicted with a chronic case of stammering. For nearly twenty years he endured the experience common to all stammerers. But after long years of tireless effort, after endless nights of study and days of research he developed the method by which he cured himself.

STAMMERING ITS CAUSE AND CURE

In the book offered below, Mr. Bogue relates the story of his own experiences, and describes how he restored himself to perfect speech. As stammering is due to a lack of co-ordination between the speech muscles and the brain, he quotes in the book the eminent authorities that for years recognized the well-known fact that stammering cannot be "outgrown,"

but instead becomes "ingrown," and that in order to restore perfect speech it is necessary to establish proper functioning of the speech musculature.

Beginning on page 72 will be found an explanation of the causes of stammering. The results of stammering are also fully described, giving the basis of the conviction held by leading speech authorities that stammering should be removed before it becomes deeply rooted in the muscular and nervous system. The text beginning on page 196 is devoted to a description of the Bogue Unit Method, which is based on the principle of co-ordination between the mind and the speech organs. It has restored perfect speech to stammerers everywhere. No drugs or medicine are used, and the method is highly endorsed by physicians.

In this book will be found the reason for the world-wide reputation of the Bogue Unit Method and its international recognition as the standard method for the cure of stammering and stuttering. Hundreds of helpful facts are embodied in this valuable book entitled "Stammering, Its Cause and Cure," a copy of which will be sent on receipt of ten cents mailed with the coupon.

BENJAMIN N. BOGUE,
14051 Bogue Building,
1147 N. Illinois St., Indianapolis, Ind.

Enclosed is 10 cents for which please send me the book "Stammering—Its Cause and Cure"—and full information regarding the Bogue Unit Method for the cure of stammering and stuttering.

Name

Address

HERE'S What's Wrong with MY SET

Diagnosis by the Technical Editor

Are you able to give me definite information regarding the following: Is there a short-wave receiver manufactured that can be used by plugging into a Radiola superheterodyne set using UV 199 tubes? If so, please send me the name of the manufacturer or dealer so that I may get further information.

Short-wave adapters of the usual kind consist of a short-wave tuner, which is connected ahead of the detector tube, the r. f. stages of the receiver being entirely disconnected. Another method of adaption is to substitute short-wave coils for the regular coils used in the r. f. stages, both sets of coils being interchangeable. In the case of a superheterodyne, of which the intermediate-stage coils or transformers are not interchangeable, and the oscillator coil is especially designed for the broadcast waveband, the use of an adapter becomes more complicated and is not really satisfactory. About the only method that could be used is a short-wave adapter connected ahead of the second detector, the output of the intermediate stages being disconnected. Such a tuner would, of course, have no r. f. amplification, and consequently the range of the receiver would not be very great. If you are interested in such a tuner write to the Aero Products Co., Ravenswood and Wilson Avenues, Chicago, Ill., requesting them for their short-wave catalogue. If you wish good short-wave reception, it is best to build a separate receiver especially designed for short-wave reception.

Reducing Hum

When I bought a Radiola No. 60 superheterodyne about two years ago, I found that it had a very decided hum, I reduced this about ninety per cent by shunting a 2500-mfd., 9-volt filter condenser across the rectifier of my Magnavox dynamic loudspeaker. Recently, while having the set overhauled for necessary minor adjust-

ments of the intermediate transformers, trimmer condensers, and regeneration control, I had the radiotrician change the wiring to permit the use of 245 tube in the audio stage. Since this was done I find the operation of the set very satisfactory in regard to tone, volume, distance and selectivity. However, the former bad hum is back again and the condenser across the rectifier apparently has no effect at all. I am sure it is not the fault of the condenser, because I had it tested and I also tried a new one of the same type. I find that the hum is now in the set instead of in the speaker, which I proved by disconnecting the speaker and using phones. I have called the same man who worked on it before but he does not seem to be able to find the cause of the hum. I would like to ask if you can suggest where to look for the trouble and the method of correcting it.

The power unit of your receiver is not designed to supply power to a 245 tube, which requires from 180 to 250 volts of plate potential. Besides a 2.5-volt filament voltage the C-bias requirements are also different, and the 245 tube passes more plate current than the 171A. When used in conjunction with a power unit not intended for it, there are possibilities of overloading the unit, which invariably results in a. c. hum. According to manufacturer's data, the 245 tube is not interchangeable with the 171A tube or any other power tube, and it can only be used with apparatus especially built for it. The difference in tone quality obtained by using a 245 tube instead of a 171A, is so slight that it does not pay to make the change, and when you have complications, such as the introduction of the a. c. hum, I would certainly change right back again to the use of a 171A tube, which was the original arrangement and operated satisfactorily. Let well enough alone.

Probably Tube Trouble

I have a Kolster 6D battery-operated receiver and have gotten excellent results until recently. At present I am unable to get any stations other than the locals.

I think that the fault lies in the tuning condensers, as I had to put a piece of metal next to one of them to get any volume even from locals. Kindly advise me how to remedy this fault.

It is impossible to completely diagnose your trouble merely from the fact that a piece of metal placed next to one of the tuning condensers increases the volume of your receiver. It is, however, evident from this fact that your r. f. tubes are not delivering their normal supply, and the pickup is poor. Get new tubes, inspect your aerial, insure a good ground, be certain that your batteries are up to their normal voltage, and you will have no more trouble.

Fitting Tubes to Set

I have a Franklin Consolette six-tube battery-operated set and would like to know what tubes would work best in it. I have three Rextrons, which have no numbers on them at all. I have a Radiotron UX201A, Cunningham CX301A, and one Airline GX200A, which is a detector tube and works better than any I have had. When I got the set it had a 200A Sonotron detector, but this wasn't good and I got a UX200A Radiotron and burned

it out the first time I put it into the socket. Can you give me any advice?

Use a UX200A tube in the detector stage and 201A tubes in all other stages unless the last audio stage is designed for the use of a power tube and in that case use a power tube in this stage, providing the correct plate voltage and grid-bias voltage. First try a 201A in the power stage and if this is not satisfactory use a 112A tube, increasing the C-bias to nine volts and using 135 volts of plate potential on the last stage only. If the maximum B-voltage on your set is 90, you may be reasonably certain that the last tube should be a 201A. If it is a resistance-coupled set you may have to supply 135 volts of plate potential on the audio tubes and still use the 201A type.

Voltage Control

I have a Silvertone seven-tube screen-grid receiver, that is a very good performer with the exception that it fades badly. I have noticed that your advice to readers having this same trouble is to use a voltage control between the source of house-lighting supply and the receiver. Believing that my trouble has been due to fluctuating house current, I have approached several radio

(Continued on page 20)

Norman Brokenshire, one of Radio's most popular masters-of-ceremonies, tunes in to a trio which introduced the new popular song, "Sing Something Simple" from the "Second Little Show." Left to right, Arline Judge, Ruth Tester and Fay Brady



Our Readers WRITE to the EDITOR

About Things They Learn

MANY letters of commendation have been received regarding the new RADEX Radio Map of North America. Our Canadian readers have been especially interested in securing a map showing the location of the U. S. stations as well as those in their own country. "It is indeed a splendid map and a worthy companion to RADEX," says Hedley Simmons, 22 Clyde St., Hamilton, Ont. "Certainly up to the high standard that you maintain for your publication," is the comment of Carroll C. Foltz, 303 Central Ave., No. Baltimore, Ohio. "I am very well pleased with the map. I put a circle around the cities I have heard and in this way I can see at a glance the ones I have and have not received," explains Jack Roberts, 211 Harvard Ave., Collingswood, N. J. "I have mounted the map on heavy cardboard and bound the edges with red tape. I use Moore map pins to mark the cities I have received. A blue-headed pin for those received but not verified and a red pin for those verified," is the method of use described by Thos. Van Buren, 32 Fourth Ave., Gloversville, N. Y.

"A word of praise for the RADEX radio map," says Tom Lovell, P. O. Box 209, Belton, Texas. "Anyone interested and caring to know what distance their radio is reaching out should have this map. For my own convenience, starting with my town as the center, I have made 100-mile circles covering the map. I can thus tell at a glance how far any broadcasting station is from me."

WCHI and KMAC

We still receive conflicting reports in regard to this Chicago station, but it seems to be pretty well agreed that it is now broadcasting over WORD, although D. E. Cosgrave, Hotel Strand, Chicago, believes they resumed broadcasting on Saturday, October 25th. Mr. Cosgrave says Chicago publications show WCHI

at 823 Tower Court, while WORD is at 2150 Lincoln Park West.

LeRoy House, P. O. Box 57, Plant City, Fla., a beginner in DXing, has now 56 stations verified and letters to 14 more outstanding. "WHAS writes me," says Mr. House, "that they have issued a set of five stamps for verification. WTIC, Hartford, uses their own station stamp as well as a nice letter in verifying my reception."

2LO Schedule

"A friend in England writes me," says George Lilley, 227 W. Bernard St., West Chester, Pa., "that 2LO broadcasts between 10 and 10:30 a.m. and 11:00 and 11:30 a.m., that is 5:00 to 5:30 and 6:00 to 6:30 EST. Tell your Eastern readers," adds Mr. Lilley, "to try for KGFJ, 100 watts, Los Angeles. They are on the air 24 hours a day. I received them quite a few times this fall around 5:00 a.m. Also logged KGAR, Tucson, Ariz., 100 watts, November 2nd, at 4:40 a.m., with a two-tube receiver."

"Have logged from one to 36 stations from all the states except Maine and New Hampshire, so far I have never heard them," says O. C. Arnold, RFD 4, North Topeka, Kansas.

"Recently I purchased a Majestic 52, a wonderful little set, and in eight nights I have logged 65 stations on 50 channels, including CMC and CMK, Cuba, and KFI, KGO, and KNX, California," writes Everett N. Daniel, 3235 Hackberry St., Cincinnati, Ohio. "This is fairly good in view of the fact that I am located almost next door to a street car barn and I surely do know it when a car goes past or when they start a motor." Mr. Daniel complains that WKBU, the Cincinnati police station, supposed to be operated on 720 kcys. spoils everything for him around 1370.

"I can't DX like some of the readers of RADEX," admits W. E. Evans, 2 Woodland Road, Sewickley, Pa., "but I get a great kick out of trying. Four weeks ago I bought a Kyelectron and in that time I have logged 184 stations on

(Continued on page 12)

"How can I get into Aviation?"



Read this Answer from

A World Famous Trans-Atlantic Pilot

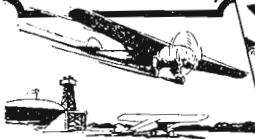


Walter Hinton

was pilot of the famous NC-4, first plane to fly the Atlantic. He also piloted the first plane from North to South America—and was first aerial explorer of the jungle regions of the Upper Amazon. During the War he was one of the crack flying instructors of the U. S. Navy. He is ready to train you—*right at home*—as he is training hundreds of others—for big pay and a big future in Aviation.

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This FREE Book, "Wings of Opportunity," is your first step to Success. You can take that step—by clipping the coupon and sending for your FREE copy—*right now*.



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Name _____
Street _____ Age _____
City _____ (Must be over 18)
State _____

Please mention RADEX

Readers Write the Editor

(Continued from page 10)

every wave except 540, 880, 1030. I haven't enough stations to be classed a real DXer, but in any event I am not a radio liar and don't think that any of your readers who write you of their DX work are either."

"I have noticed some queer reception with Florida stations," says F. E. Wilkes, Ossining, N. Y. "For instance, I have had every Florida station except one, WJAX comes in as early as 6:00 p.m., and when WQAM was on 1240 they came in at 5:30 p.m., which is rather good reception, is it not? My set tunes down through the marine frequencies from 1500 to 1600 kcys., and through the experimental station frequencies down as far as the amateur band." Mr. Wilkes lists a number of the shortwave stations he has heard with his set.

The German Stations

The following interesting letter is from H. Walter Fricke, 560 30th St., No. Bergen, N. J.:

"In my June letter to you I stated that I was going to write to the German short-wave transmitter in Koenigs Wusterhausen requesting them to intersperse announcements in English. The reason for this was that one of your readers, Mr. P. J. Soper, 256 Burroughs Terrace, Union, N. J., had complained in your midsummer edition that the aforementioned German station never announces in English.

"Well, today I received a letter from the 'Program Committee of the German Broadcasting Companies' which, in translation, reads something like this:

"Your letter, addressed to the main transmitter, Koenigs Wusterhausen, has been referred to us. Your detailed information on broadcasting conditions in your country has had our fullest attention, and we wish to thank you for the interest you are showing in the German shortwave transmitters. We regret that, at this time, we are unable to comply with your wish that the programs of the German short wave transmitter be announced in English, the reason for this being that this transmitter does not

send out its own program but picks up its features only from the regular German broadcasters. We would like to mention, however, that those special features which are sent out only by the short-wave transmitter are announced in English, too. We hope that, in the meantime, you have acquired a short-wave receiver, and that you are having good reception. We would be grateful to you for reports on reception, and hoping to hear from you again, we are —."

"I noticed in the November RADEX that you have deleted KMAC," writes D. M. Patterson, 1502 No. Robinson St., Cleburne, Texas, "I am sending you a clipping from the Fort Worth paper which indicates that this station is still on the air." The clipping referred to describes the death of the radio technician of Station KMAC atop the Blue Bonnet Hotel during the broadcast of a program.

"KMAC should not have been deleted as they were on the air as late as October 10th, broadcasting from the Blue Bonnet Hotel in San Antonio," writes Donald Hill, Broken Bow, Neb. "I know this is so as I received them for several nights straight. As for WCHI, all the announcements I have heard were as follows: 'WORD broadcasting a program for the WCHI Broadcasting Corporation,' which I think explains that controversy. WBOQ has been on the air nearly every night for the past week or two, testing for several hours with WHK, Cleveland, on 860. I notice that you still list WGGF as being at Picher, Okla. They have been at Coffeyville, Kans., for sometime, operated by the Coffeyville Journal."

Those Time Schedules

We have given the idea of compiling the hours on the air for all stations much thought, but have not as yet found a plan that would give this information in convenient form without occupying too great a bulk. Raymond N. Flood, 9 Chase St., Brattleboro, Vermont, suggests that we add an eight-page section and make it a part of RADEX. Many have written in to say that they would gladly purchase this information at 10 cents a copy or even 25 or 50 cents. To arrange this information so that reading

downwards the stations on the air at any certain hour of the day or night would be indicated, while reading from left to right would show the hours that any particular station was on the air, would require a total of 126,000 hourly designations. As the most we have been able to figure to a page is 2720 such designations, this would require a book of 46 pages in order to convey this information in the most helpful way. This could, of course, be condensed if we were to make it read only one way, but the question is whether our readers would prefer to know what stations are on the air at any particular hour, or whether they would prefer to know the hours for any particular station. If any of our readers have any suggestion for the arrangement of this data we would be glad to hear from them.

Some Puzzling Stations

"I and others have been hearing a station giving the call letters WRDA on 560 kcys., but they do not give their location. I last heard this station on October 8th at 3 a.m." This is the report of Geo. H. Snyder, Jr., P. O. Box 202, Ridgewood. N. J. The only record we have of WRDA is that this call was given to the Buffalo Evening News and later changed to WBEN.

WNRC recently changed its call letters to WBAM, but several readers report hearing them give the call letters WBIG. Have they changed their call again?

A number of readers object to our deletion of WBOQ and state that they have recently heard this station testing after midnight with WHK, Cleveland. WHK has been carrying on experiments in synchronization with the key station of the Columbia System and evidently WABC has resurrected the old WBOQ call to be used while testing.

Martin Savitsky, 17 Liberty St., Shelton, Conn., asks for information about WRDS which was broadcasting police information; and Nicholas J. Hock, 20 Burnet St., Newark, N. J., wants data on WCF and WRBE. None of these stations is a broadcasting station, and no list is published so far as we know giving commercial calls alphabetically. As there are many thousands of

commercial stations it is out of the question to identify them without knowing their frequencies.

"WDBJ is listed in RADEX at 250 watts," says Jack Bachman, 204 No. 34th St., Philadelphia, Pa., "but the way they come in it hardly seems possible that they broadcast on such low power. I get them as loud and clear as some of the local thousand-watters."

"CNRL-CHNS broadcast on 910 kcys., but you always log them on 930," comments Geo. S. Buckman, Hillside and College Ave., So. Nyack, N. Y. These stations are listed correctly in accordance with data furnished us by the Dominion Government. But they may be testing a different frequency. Perhaps some of our Canadian readers can enlighten us.

"It seems since KMOX got its strong wave we will have trouble out this way," writes Chas. M. Konn, 4310 Seeboldt Ave., Detroit, Mich. "Sharp as my 12-tube set tunes I get a heterodyne from KMOX on WTAM's wave with lots of squealing, for which it seems that KMOX is to blame." We know of locations within a hundred miles of Cleveland in which KMOX now drowns out WTAM entirely. Both of these stations are on 50,000 watts experimental. Certainly the situation in this vicinity would be cleared by reducing KMOX to 25,000 watts, and it is possible that WTAM may interfere with KMOX in other sections.

We understand that the Federal Radio Commission has instituted legal proceedings against the so-called outlaw stations WGM and WOOP. Guy B. Welsh, Reynoldsville, Pa., reports hearing WGM nearly every day between noon and six o'clock. They state they are located in Jeanette, so he says, although a letter received from this station sometime ago gave their location as Adamsburg. In view of the fact that the Commission has at last taken action we are deleting these two unlicensed stations in this issue.

"You show WEAJ as having 50,000 watts and WJZ 30,000," says an unsigned letter from Fox Chase, Pa., "I get WJZ loud at any time, but WEAJ is hard to receive and never comes in clear. It cannot be the set as other people

around here have the same trouble." Reception is no indication of power, as sometimes, due to peculiarity of location, a small-powered station is received with greater clarity and even with more volume than one with much greater power no further away.

"I noticed a paragraph in which you tell of Iowa listeners who get interference between WBBM and KFAB. There is little or no interference between these two stations in the daytime here in Nebraska, but in the past few weeks WBBM has been getting louder and louder until there is a slight growl at almost any time of the day," comments Donald Hill, Broken Bow, Neb.

"Why doesn't the Federal Radio Commission do something about WBBM and KFAB on 770 kcys.?" asks Greer McCrory, 606 So. 2nd St., W., Cedar Rapids, Iowa. "Practically all of the time they are on the air simultaneously and sometimes WJBT comes on and adds to the chaos. Listening to a football game from WBBM I hear music and advertising all jumbled together with the game. Please do see if something can't be done. Cedar Rapids police, like the police in Chicago, have radio-equipped cars, so they can get orders from headquarters and whenever the police station KGOZ broadcasts I can hear it above all other stations any place between 1300 and 1500 kcys. Why is this? I have been told that this station broadcasts on 120 meters and I don't see why I can hear it on 200 to 215 meters. It is possible to hear these police orders any time they are broadcast." It is possible that the police broadcasting station is manned by amateurs, or rather beginners, and has not yet developed a technique that permits them to keep on their proper wave. Or you may be hearing a harmonic. In either case, it would seem that a complaint to the police authorities would lead them to correct the situation, for undoubtedly they do not desire to have the public hear their orders to cruising cars.

"I wonder if anyone has a record like this," asks Guy B. Welsh, Reynoldsville, Pa. "At 6:30 p.m. on October 26th I was listening in on the 1370 channel. Between 6:30 and 6:31 I dialed three new sta-

tions, WBGF, Glens Falls, N. Y., WBTM, Danville, Va., and WJBK, Detroit, Mich. In the same minute I heard the announcements of WLVA, Lynchburg, Va., and WCBM, Baltimore, Md. This seems impossible, but I have my family and several friends to prove it. Early Monday morning, I brought in KXO, a 100-watt station in California, and KGMB, a 500-watter in Honolulu." Mr. Welsh adds that his set is not working as well as formerly, but from these records we cannot see how anything serious can be wrong with it.

Improving RADEX

Quite a number of readers have written in to commend us for publishing the month's changes by themselves and we will try to maintain this feature. It will not always be practical, however, for the reason that the body of the magazine goes to press first and the data is held until the last possible moment for the latest corrections. Ralph Caldwell, Route 1, Clarksville, Pa., would like to have us include the requests for more power and different wave lengths. Aside from the fact that there are hundreds of these every month, most of which come to naught, we feel that this information would merely be confusing, as a mere request means nothing.

In the November issue we asked our readers to decide for themselves what the improvement was we were making that month. Only a few discovered that we are now arranging the stations alphabetically under the weekly programs, something that has long been requested by our readers, but something which makes a vast amount of work for the editors.

"Why not insert a few Canadian programs?" asks T. Crawford, 9-205 Alexander Ave., Winnipeg, Man. "And make the best book still better." Lack of space prevents our publishing individual station programs. If there are now any Canadian chains regularly broadcasting over several stations, we would be glad to learn of them.

"Would it be possible to include some of the powerful trans-Pacific stations in the regular index, as you do the Cuban

stations," asks Don Turner, Box 655, Taft, Calif. "We distance-hounds on the Pacific coast pick them up quite regularly. I have had JOFK, JOGK, JCKK, JOBK, JOIK, JOHK, JOAK, 2YA, and 2FC several times." These stations will now be found in the Index of World Stations which is arranged by frequencies with space for dial numbers, which we feel sure will answer the purpose.

Some Inquiries

From Joseph Cabus, R. F. D. 3, Poughkeepsie, N. Y. "I and others up here are troubled at times with fading, and I wondered if the ground you recently mentioned as having been tested by the U. S. Bureau of Standards would aid my reception and help to check the fading." If the fading is due to natural phenomena, we doubt if anything can check it, but sometimes the action of a poor ground, loose connections, faulty power supply, poor tubes, etc., are taken for fading. Certainly every set should have a good ground and we know of no line of experiment which it will better pay to follow than that of various grounds.

"Could you tell me if aerials are made gold-plated and if they are on the market. I understand they are used on ship work. Would they be better than lacquered aerials?" asks M. E. Williams, Box 121, Timmins, Ont. Aside from such aerials being very expensive, we doubt if they would have any greater value than the enameled aerial. An enameled aerial is very much better than a bare wire, as the copper is protected from the action of soot. Some devices must be extremely well protected at sea because of the action of the salt water and salt air, causing corrosion.

"I recently heard the announcer at Springfield, Mass., give the call letters WBZ, WBZA, and a third set which I could not catch," states a reader from Helena, Mont. "I don't know of any other station belonging to Westinghouse on that wave length. Do you know anything about this or was I hearing things?" We do not know what the third station could have been unless it was W1XAZ, the short-wave relay station of the Westinghouse.

RADIO Set Servicing, Short Wave, Television, Sound Projection, Automobile Radio, Airplane Radio, Construction of Test Laboratories, Cause and Cure of Interference, Latest in Radio, Money-Saving Kinks—these and many other subjects are understandably described each month in RADIO-CRAFT. The magazine is edited by men outstanding in the radio profession.

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Contents of the December Issue

Modern Tone Control, Home Recording Devices, Modernizing Radio Sets, Public Address Systems, Radio Servicing, Latest Development in Short Waves, Television Systems, Power Amplifier Design, Short Wave Converters, Profit-Making Hints, New Developments in Radio and many other interesting articles.

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| Enclosed find \$1.00 for which enter my subscription to RADIO-CRAFT for the next eight months. (Canada and foreign, \$1.25.) | | |
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| City | State | |

A question which has puzzled many is presented by Tom Lovell, previously quoted. "The frequencies measured in kilocycles are all the same distance apart, but the difference between meters is not the same. Stations on the higher frequencies from 1400 to 1500 are harder to separate on the dial than is the case in the lower frequencies. Is this because the difference between the meters is less?"

The fault is not with the meters, but with the condensers in the set. In order to accommodate the great number of stations on the air, the broadcasting band has been made wider than engineers have so far been able to devise condensers to cover. The average condenser will separate stations well only for about 75 of 100 points and these are usually in the center. To give perfect reception and separation of all stations with condensers as at present developed we ought to use broadcast frequencies of say 600 to 1400, but these 80 channels would not be sufficient for our American stations.

A New Chain

We have received publicity regarding the formation of a new chain on the Pacific coast, the United Broadcasting Company, whose first program was scheduled for November 1st. Headquarters of the chain are in Los Angeles. The nine stations which will comprise the new network are said to be the following: KXA, Seattle; KVOS, Bellingham; KMED, Medford; KXL, Portland; KORE, Eugene; KTAB, San Francisco; KFVB, Los Angeles; KTM, Los Angeles; KGB, San Diego.

"In the last issue someone reported hearing KMJ on the Columbia chain," says Richard Bogart, 1416 Linden St., Allentown, Pa. "I think I can solve this as KMJ carries KHJ's programs, almost every night, and KHJ is on the Columbia chain." This is verified by Leon V. Garland, El Segundo, Calif., who says, "KMJ is a member of the Don Lee System, and they are on the Columbia. Here are several other hundred-watters that are broadcasting chain programs, KFBK, KZM, KOH."

Station Information

"You will be interested to know that beginning Saturday, November 15th,

the NBC programs which have been heard over WGR will be transferred to WBEN," is reported by Valentine Sadowski, 188 Miller Ave., Buffalo, N. Y.," and the Columbia programs will be heard over WKBW and WGR. Radio station WMAK will broadcast local programs."

"If you haven't received notice already," writes Kenneth J. Loudon, P. O. Box 533, Orangeville, Ont., "CJGC, of London, Ont., is starting broadcasting this week with a new transmitter of 1000 watts power."

"I have not heard radio station WCLB listed in RADEX on 1500 kcys. for the last ten months," says Gordon C. Hamilton, 142 E. 18th St., New York City, "although I frequently listen to other stations on that wave. Are you sure it has not been deleted?" It has not been deleted, but is it still on the air?

"How many of your readers have noticed that there are only two stations in Manitoba?" asks Richard W. Herzer, 338 Kingsway, Winnipeg, "and they are both owned by the Provincial Government. Manitoba as far as I know is the only place in North America where the broadcasting is entirely in the hands of the Government. How they can do this legally is more than I can see."

"In September, 1930, I received WJAX on 1260 kcys. Their letterhead and RADEX both show them on 900 kcys., but I heard them on 1260," says James L. Cavanagh, Jr., 101 No. Spring Ave., La Grange, Ill.

Adding Your Own Tone Control

(Continued from page 3)

who, unfortunately, cannot adjust their voice to the likes and dislikes of listeners and therefore it becomes a dire necessity for the listeners to either tune them out or use a tone control to sweeten them.

Anyone who can carefully trace the wiring of his receiver, can readily install the condenser and resistor constituting a tone control. These two parts are comparatively cheap and can be obtained at almost any radio shop. A radio service man will also be willing to make the necessary changes at a nominal figure.

A NEW PROBLEM for our PUZZLERS

A NUMBER of solutions to the October puzzle were received after the deadline date set for the 28th and consequently could not be considered. Readers should bear in mind that we are now mailing the new RADEX to subscribers on the 25th of each month and therefore they must mail their answers before the 23rd in order to have them count.

In the October puzzle there was one call, 9-33 vertical, which could be filled with either KGIW or KGIX and either of these solutions was considered as correct. "The puzzles surely are interesting to work and a person learns a lot about the different stations while working them," comments Paul W. Douds, R. D. 1, Toronto, Ohio. "I enjoy all the puzzles which do not require recourse to the ancient history of radio for solution," says L. S. Miller, 5909 32nd St., N. W., Washington, D. C. "I think this is the easiest puzzle you have had for some time," comments Billy McQuade, 6617 Leland Way, Hollywood, Calif., but the joke is on Billy for he had 14-40 vertical wrong. On the other hand, Walter Kolojay, 5031 Northcote Ave., East Chicago, Ind., says he found this puzzle very hard but he got it right. "As soon as I get my RADEX," writes Walter, "I turn to the

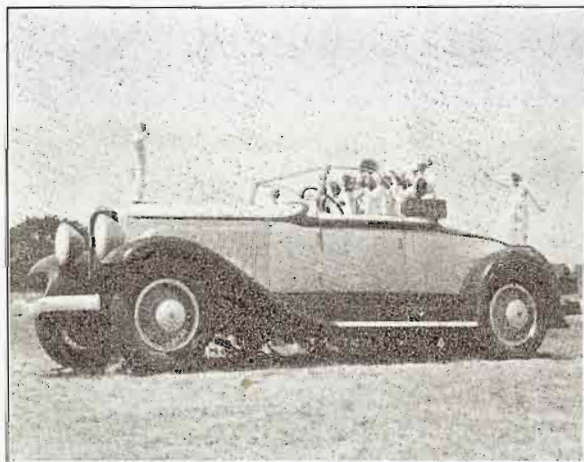
They Wanted a Hard One

puzzle page, for I find it very interesting. I enjoy not only the puzzles but all the articles written about radio. These articles are educational and useful and I would like to see more of them published. The arrangement of the Radio Index is the best I have ever seen."

"I presume the September edition was used in making up the October puzzle for the October issue has no frequency with thirty-one 100-watters," points out George W. Kuehnle, 1469 York Street, Windsor, Ont. Readers should remember in working these puzzles, always to use the previous month's issue, for it is impossible to use the data of the edition in which the puzzle appears.

Those who sent in solutions in November and did not receive a copy of the December issue as a premium will undoubtedly find the reason why in this correct solution:

CKX WWL KJR
 KMED C WGAL
 YBMC RKWJKSD
 CMW Y WLW
 W W OAC W W
 WGC MC KFKXO
 J S WWG B C
 WHB O WOW
 KFS DWKYRBTK
 WBAK O CMBZ
 KGW WHO WOM



Here are Jean Goldkette's "Studebaker Champions" in a brand new President Roadster. But what's wrong with this picture? The car is a "prop" used in filming "Wild Flowers" a talking picture. It's 15½ times bigger than the regular model

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"Each issue your puzzles become more and more easy," thinks Clayton Huff, Martinsville, Ind. "I wish that you would get some good hard puzzle." We think it is not so much that the puzzles are getting easier as it is that our puzzlers are getting better! A number have written in to ask, however, for harder puzzles, so we have, through much lucubration (that's a hard one, anyway), brought forth the following. If you find it too hard, don't blame us.

So sure are we that you will find this a hard nut to crack that we are going to send for correct solutions your choice of either the radio map or the January RADEX.

The puzzle is to fill in letters in the squares so that from beginning to end

we will have the calls for the following stations:

- In the capital of the Confederacy.
- The fishermen's station.
- A memorial to a great socialist. (Reverse.)
- Increased its power in October to 5000 watts.
- One of 32 100-watters on this wave.
- In U-13 on the new map.
- Independence Broadcasting. (Reverse.)
- Ought to belong to the BFOE.
- Named for a great Quaker
- On a canal whose east end is west of the west end.
- 850 miles south of Minneapolis on the new map.
- (Reverse.)
- On 1500. (This one is jumbled.)
- Last three letters initials of railroad owner.
- (Reverse.)
- In a state capital.
- Tune at noon.
- Purdue. (Reverse.)
- Columbia outlet municipally owned.
- First on the last.
- One of three 250 watters in its state. (Reverse.)
- Shares time with 20-kilowatter in another state.
- In Thomasville. (Reverse.)
- On the Mississippi.
- The Queen's University.
- On 1210. (Reverse.)
- In Ohio. (Jumbled.)
- On zero. (Reverse.)

HERE'S A LITTLE SLIP

that will bring pleasure to you or your radio friends
Obey that impulse and sign it now

MONEY-SAVING COMBINATIONS

The Radex Press,
1367 East Sixth Street,
Cleveland, Ohio.

Enclosed find \$..... for which send me postpaid my choice of your offers as checked below:

- | | |
|---|--------|
| <input type="checkbox"/> One Radio Map of North America | 25c |
| <input type="checkbox"/> One copy of the next RADEX | 25c |
| <input type="checkbox"/> Trial subscription, next five issues of RADEX | \$1.00 |
| <input type="checkbox"/> One year's subscription to RADEX, 10 issues, and Radio Map free | 1.75 |
| <input type="checkbox"/> Two subscriptions to RADEX with one leatherette cover and Radio Map, both free | 3.50 |
| <input type="checkbox"/> Leatherette Cover | .50 |
| <input type="checkbox"/> One copy "Radio Trouble Shooting," by E. R. Haan | 3.00 |

Write Name Plainly

Street and Number

City and State

December Changes

Power:

KFYR 550—Bismarck, N. D. 1000 to 500.
VAS 690—Louisburg, N. S. 500 to 10000.
CMK 730—Havana, Cuba. 3000 to 2000.
CJGC 910—London, Ont. 500 to 1000.
CMCQ 950—Havana, Cuba. 500 to 1000.
CMBZ 1010—Havana, Cuba. 100 to 150.
WTAX 1210—Springfield, Ill. 50 to 100.
KWSC 1220—Pullman, Wash. 500 to 1000.

Frequencies:

CMW —Havana, Cuba. 600 to 588.
XET —Monterrey, Mex. 620 to 630.
VAS —Louisburg, N. S. 690 to 685.
XEN —Mexico City. 731 to 720.
XED —Reynosa, Mex. 770 to 960.
XFX —Mexico City. 840 to 860.
CMBC—Havana, Cuba. 1220 to 1130.
CMQ —Havana, Cuba. 1220 to 1130.

Ownership

WJZ 760—New York City. To National Broadcasting Co., Inc.
WRC 950—Washington, D. C. To National Broadcasting Co., Inc.
KGGF 1010—Coffeyville, Kans. To Coffeyville Journal.
WRAX 1020—Philadelphia, Pa. To WRAX Broadcasting Co.
WTAM 1070—Cleveland, Ohio. To National Broadcasting Co., Inc.
WBNY 1350—New York City. To Pillar of Fire.
WIBM 1370—Jackson, Mich. To WIBM, Inc.

Deleted:

WGM 840—Adamsburg, Pa.
WOOP 840—Jeannette, Pa.

Locations:

KGGF 1010—Picher, Okla. To Coffeyville, Kansas.

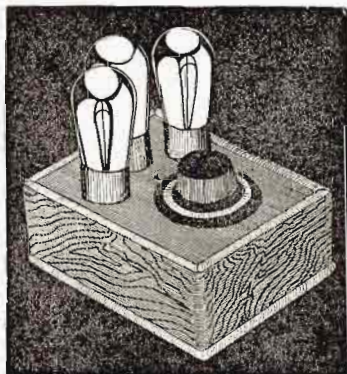
Reinstated:

KMAC 1370—San Antonio, Texas.

New:

Rutland, Vt., 100 watts—Seward & Weiss Music Co.

Short Waves FOR LESS \$5 THAN....



EXPLORE the fascinating short-wave bands at next to no expense for no end of fun! You can do this with a short-wave converter, which works in conjunction with your broadcast receiver. Parts cost less than \$5 yet this is a three-tube converter, using 227 tubes for AC or battery operation. Only one dial, so stations are not hard to find. You'll be surprised at the tremendous distances you can cover. Even European stations may be received.

Keep Posted!

RNATIONAL radio weekly, which only publishes a great amount of circuits for short-wave as well as broadcast reception, offers you an opportunity to find out all the particulars of the 3-tube converter circuit, with blueprint and list of few parts needed. Send \$1.00 for 8 weeks' subscription, one copy a week for eight weeks, beginning with the November 8th issue, and receive the blueprint free. The November 8th issue and subsequent issues you will receive tell the whole story of this marvelous converter.

RADIO WORLD, 145 W 45th St., New York City:

Enclosed please find \$1.00 for which send "Radio World" for 8 weeks, beginning with the November 8th issue, and send converter blueprint free.

Name

Address

City State

(RX)

What's Wrong with My Set?

(Continued from page 9)

dealers in this city asking about voltage controls and they state that they have a device that will keep voltage from passing above 110 volts, but it will not build up the voltage in case the house-lighting current drops below that point. If there is a voltage control on the market that will keep voltage on an even basis as outlined in your section. I will appreciate very much your furnishing me with the trade name together with the manufacturer's name.

The Radial Co., 50 Franklin Street, New York City, claim that their automatic voltage regulator provides a constant 110-volt potential regardless of slight line fluctuations. Write to this concern for particulars. If your fading is very pronounced it may not be due to fluctuating line voltage. Have a local electrician test the house-lighting circuit under a load at night, to see whether or not the voltage falls below par. Severe fading is often caused by one or more defective screen-grid tubes. Check for this condition before purchasing a voltage regulator.

Substituting Tubes

I have a set equipped with 224 r. f. tubes. Could these be replaced with a. c. Pentodes? I noticed that the voltage is very similar in these two tubes.

Never substitute tubes of any other value than those that are supposed to be used in the receiver. The voltage of tubes is not the only factor in comparing them. There are many other factors, such as C-bias, plate voltage, plate current and filament current, etc. Unless tubes agree in all such factors it is decidedly unwise to substitute one kind for another.

Replacing Transformers

I have a Steinite No. 40C receiver, purchased last December and in it there are eight transformers, including those for the push-pull audio-frequency amplifier. There are no transformers of this type available here for use on the Steinite receiver. Will you recommend other transformers that can be substituted?

The most advisable thing to do in your case is to write to the manufacturers of your receiver, explaining the trouble to

them and they will be glad to send you the necessary transformers to replace the defective ones in your set, at the regular rates. The name and address of this concern is The Steinite Labs., Radio Building, Atchison, Kansas.

Burst of Noises

I am the owner of the Federal Model E 45-60 radio receiver, powered by a Raytheon power pack. When I have the set turned on and am receiving a fairly clear program, a burst of line noises and static comes in and cuts the volume down that the station can barely be heard. When it does this I pull the detector tube out of the socket and push it back again, after which the program is all right for some time. I have replaced the volume control, a three-point 50,000-ohm potentiometer, and I have also replaced several detectors and other tubes, all to no avail. Could you possibly tell me where I could locate the trouble?

Noises of the kind you have experienced are often traced to one or more of several causes, namely, (1) internal short circuits of the intermittent kind inside of the tubes. Usually only one tube is the offender, Replace the tubes one by one until the defective one has been found. (2) If you have already done so and the trouble still continues, try a new rectifier in your power pack. (3) A leaky grid condenser may have to be replaced. (4) Look over every socket prong and see that the tube tips make good electrical connection with the socket prongs. Corrosion at these points may be responsible. (5) Also examine the wiring for a poorly soldered or a loose connection. (6) If you are accustomed to turning the volume control over to nearly its maximum volume, your set may be breaking into oscillation. In this case adjust the power pack so that it will deliver slightly less B-voltage. This will permit the volume control to be turned to the extreme right-hand position without causing the set to break into oscillation.

Reception Varies

I have a five-tube Hammerlund-Roberts receiver and it worked all right for me last winter, but ever since I installed eliminators for A and B supply, it has not been

satisfactory. Sometimes it will pick up stations all right and other times I can't get anything outside of locals, which always come in when wanted. At one time stations of higher wave lengths come in much better than those of lower wave lengths. The length of my aerial is sixty feet, including the lead-in. I have tried a longer aerial but this does not seem to help. I am using a Knight B-eliminator and an Abox A-eliminator, both of which seem to be in good working condition. Can you kindly advise me where to look for trouble?

Variations in line voltage may be responsible for the varying degrees of efficiency you are experiencing with your receiver. This would be more pronounced in case your tubes are rather old. Therefore, it would be a good idea to have them tested and the old ones replaced. Another cause for your inability to get distant stations regularly is a purely natural one, being due to atmospheric

conditions. It is a well-known fact that weather conditions vary so much that greater distance is possible on one night than on another.

Balancing Condensers

Will you kindly tell me how to balance a Lyric radio receiver?

Balancing the variable condensers of a radio receiver is a task that requires some degree of skill and accuracy. If a radio service man is not available who can do this work for you, get a copy of the May, 1930, issue of RADEX, which gives complete instructions for balancing t. r. f.

Volume Control Trouble

I have a Kolster K-20 receiver which seems to operate satisfactorily on local stations, but when tuning in out-of-town stations it is necessary to turn the volume control as high as possible. I also find that the least reduction of volume cuts the stations out completely, which would seem to indicate that the volume control was

It's a pity but they're all a bit cuckoo as they're from the "Cuckoo Hour" of the NBC. From the well-known "left to right" we have Ambrosia Weems (Virginia Gardiner); Mrs. Pennyfeather (Mrs. Adelina Thomson); Prof. Weems (Roy Knight); Fellock Soames (Eustace Wyatt); Dolly Gray (Gladys Shaw Erskine); and sitting on the foreground, Ivan Firth and Arthur Campbell



completely bypassed. In other words, I have absolutely no volume control on out-of-town stations. New tubes do not remedy the fault. Please advise the probable causes of this trouble and the remedy.

It seems that the power-supply unit does not provide the maximum amount of voltage necessary for the operation of your set. This usually makes it necessary to turn the volume control up entirely as in your case. By increasing the plate voltage a trifle by adjusting the power pack this trouble can be overcome. If this does not help a new volume control of exactly the same resistance as the old one should be installed.

Street Railway Noises

I wonder if you would send me the necessary information how to reduce the interference caused by an electric railway. From the time a car approaches a point one-half mile from our house the trouble commences and it continues until it gets about the same distance beyond. Can you recommend anything to eliminate this noise?

Radio interference from external sources, which is picked up by the aerial of a receiver, cannot be eliminated at the receiver, but must be trapped at its source. Shielding the room containing your receiver will not prevent the aerial, which is outside, from picking up the undesired signals. Shielding the room containing the high-frequency apparatus which causes the trouble, is effective, provided, of course, the shield is grounded. Electric railways cause interference that is really beyond your control. The best method of minimizing your pickup of these interfering signals is to use an underground antenna such as the "Sub-antenna." Also use lead-sheathed cable for grounding your receiver instead of ordinary bare wire, which is usually used for the purpose. A wave trap could be used for trapping certain signals of a constant wave length, but in your case the signals are of all sorts of wave lengths and come in over the entire dial.

Attaching Phones

I have a Majestic Model No. 71 and it is not possible to use a pair of headphones with it in order to get distant

reception. Can a change be made in the wiring to accommodate a phone plug?

The installation of a jack to permit the use of headphones on a receiver not already wired for earphone reception, involves some rewiring and it is best to take the set to a reliable radio dealer or serviceman to have these changes made. The B-positive and plate leads of the second audio tubes are led to the jack, which should automatically cut out the rest of the audio amplifier when the plug is pushed in. There are several methods of making such an installation, but in any case it is best to let your local radio dealer take care of it for you. For fuller information in regard to this problem, see the article in No. 38 RADEX for April, 1930.

Collecting Verifications

(Continued from page 6)

Radio Editor of the Chicago Daily News DX Club. Mr. Baskys uses headphones only in making records and does not try to bring stations in with loudspeaker volume. Then too, he uses a loop and has often been able to tune in three different stations on the same frequency by turning the loop in their direction. He lists a number of foreign stations as having been received recently and offers to send his letters of verification from them. Among these are Auckland and Christchurch, New Zealand, Lima, Peru, and Manila, P. I.

To our controversy, Wm. James, 308 Pacific St., Brooklyn, N. Y., contributes the following: "It is no wonder that some folks have written in questioning various DX catches. Some of the yarns rank with the best fish stories. There must be a limit to what a radio set will do and I honestly believe some of these claims go too far. Don't think this is written by a sorehead who has no DX catches for I have plenty. But my log is nothing like some that have been printed. At the present writing my log is 484 verified catches but not one is off the North American continent. As to daylight reception, about the best I can do is Philadelphia and I have a good set. It may be that I have never been looking

for these extraordinary catches at just the right time."

"Here is a little ancient history." goes on Mr. James, "that may throw a little light on this subject. Last year the Newark News Radio Club arranged with CJOC at Lethbridge, Alberta, for that station to put on a late program so that the DXers would have a chance to get this station. Well, the great night came and CJOC got letters telling how good they came in. Verifications were asked for by persons that 'heard' their program and one bozo even went so far as to say he listened to them for a full hour and heard the whole program. Now comes the joke: On the night in question CJOC had broken down and *didn't go on the air at all.*"

Thos. Van Buren, 32 Fourth Ave., Gloversville, N. Y., summarizes the situation by saying "Keep up the DX department in RADEX; don't stop it, rather enlarge it for I agree with you most of these DXers tell the truth and just because a certain reception seems impossible this does not make it so, for, under the same conditions, other things being equal, anybody may receive these stations your DXers state they receive. So keep up the good work, publish all letters received and let the readers decide for themselves the truth thereof."

Some Inquiries

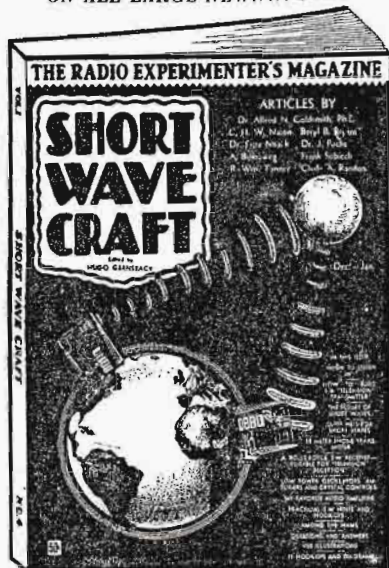
"I would like to know what distance to expect in the daytime," writes Richard W. Herzer, 338 Kingsway, Winnipeg, Man. "Here in Winnipeg the farthest we get with volume enough for programs, is Fargo, N. D., and Bismarck, 200 and 250 miles away, respectively. The farthest I have picked up with headphones is Yankton, S. D., 400 miles away. This distance seems to me to be very poor in comparison with other reports. About what distance is considered normal daytime reception?"

This is a pretty hard question to answer. Mr. Baskys, above quoted, states that two years ago he received KGU, Honolulu, at 4:30 p.m., while Mr. James stated that Brooklyn to Philadelphia was his best daylight reception. Daytime reception is very freaky and occasionally a distant station will be

The Radio Experimenter's MAGAZINE

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ON ALL LARGE NEWS STANDS



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Among the contributors to SHORT WAVE CRAFT, we find Lee de Forest, F. H. Schnell, "Bob" Hertzberg, C. W. Palmer, H. W. Secor, Clyde Fitch, R. Wm. Tanner, Dr. Alfred N. Goldsmith, Beryl B. Bryant, C. W. H. Nason and others.

Regular Departments in SHORT WAVE CRAFT
Photographic Section—Pictures of latest short wave sets and stations. Transmitters for Short Waves—How to Build Them. Short Wave Receivers—Construction data for all types and kinds. The Short Wave Experimenter. Television on Short Waves. Short Waves for the Broadcast Listener. Ultra Short Waves. How to Build Short Wave Aerials. The Short Wave Beginner. Aircraft Short Wave Sets. Short Wave Question Box.

Published on the 15th of Every Other Month

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As per your special offer I enclose \$1.80, for which please enter my subscription for one year to SHORT WAVE CRAFT and send me also the first and second issues gratis. I understand that SHORT WAVE CRAFT is published on the 15th of every other month. (Regular yearly subscription—\$3.00.)

Name -----

Address -----

City ----- State -----

brought in in daylight which constant tuning will never bring in thereafter. We believe that consistent daylight reception over 300 miles cannot be expected although we know some of our readers will not agree with this statement.

Miss "Anonymous," of Helena, Mont., who "has a horror of publicity so please don't use my name," writes: "On 1110 kcys. I have been getting a foreign station. We have a 1931 Radiola, nine tubes, and every bit of power has to be used to take that station in. I hear everything, even the station's call letters, but because I want to understand them so badly, I can't! They sound like KPI but, of course, that's not right—the only thing I feel sure about is the I. Spanish (I guess) is spoken and it sounds like it might be a Cuban station. Can you help me?" CMHI, Santa Clara, Cuba, is on 1110 and CMKD, Santiago, is on 1100, but it hardly seems possible it could be either of these as they are rated to use but 15 and 40 watts respectively. Has anyone else heard this station?

Cuban Stations

"Can you tell me the official wave of CMCH, Havana? Had them near 1200 kcys." writes Jack B. Schneider, Garwood, N. J. We have no record of CMCH; could it have been CMCA, 100 watts on 1225?

Several readers report hearing a station that announces in Spanish on 780 kcys. The nearest station of which we have any record which might be Spanish speaking is CMHC, Tuinucu, Cuba, which is supposed to use 791 kcys.

"I wonder if you know that the Cuban stations have made quite a general change in frequencies this month," asks Carroll C. Foltz, 303 Central Ave., No. Baltimore, Ohio. "About all of the larger stations seem to have increased power and changed waves. There is one on 780 which interferes with WMC and I believe it is CMC, although I am not sure."

Roger D. Causse, P.O. Box 6688, Lester, Pa., Radio Operator on SS. Thermo, from Puerto Padre, Cuba, and sends us a list of Cuban stations which was furnished to him by Station CMCQ.

Karl Halpern, Brooklyn, N. Y., also sends a list of Cuban stations and the Department of Commerce at Washington has just completed a check of the Island stations. From these lists our Cuban data is being corrected in this month's issue.

"On October 26th I heard a station on 1180 kcys. speaking what I am sure was Spanish. I thought perhaps it was Cuba or Mexico, but there is no station listed on or near that frequency," writes O. W. Desmond, 407 E. John St., Maumee, Ohio. "The program was some sort of a convention in a large hall with lots of speaking. They shut down about 11:20 p.m. Can anyone identify this station?"

A very small station, CMGB, Mantanzas, Cuba, with only 7.5 watts is rated as using 1185 kcys. This seems to be the only Cuban possibility. Our latest Mexican data gives no station nearer than 1200 kcys., XEA, Guadalajara, with 100 watts. Mr. Desmond has one of the new nine-tube Graybar Superhets, on which he logged 106 stations in about three weeks.

Mexican Stations

"XET, Monterrey, Mexico, is on 630 kcys. and not 620," says Jack P. Schneider, "XEN, Mexico City, comes in on 720 kcys.," says Miss Anonymous, "interfering greatly with WGN. Occasionally CKWX, at Vancouver, takes the stage and CMK is only a squeal."

"A few corrections on the Mexican stations, XEN, which you have on 730 is on 720. It heterodynes squarely on top of WGN every night. It evidently changed waves to prevent interference with CMK," writes Wm. E. Kessel, 411 No. 8th St., Temple, Texas. "XEM, which you have on 840 is on 765. I receive it practically every night. XFX, which you have on 840 is on 860. I heard its call letters clearly there."

"I logged Station XEW, Mexico City, sometime ago," states D. M. Patterson, 1502 N. Robinson St., Cleburne, Texas, "and wrote them regarding the program. I received a very nice letter in reply. They said they would like to hear from listeners in the U. S. A. and would answer all letters received by them.

"Will you please take notice that our radio station XED, located in Reynosa, Mexico, is to be inaugurated on November 8, 1930," writes A. D. Martinez, Station Manager. "We will operate on a frequency of 960 keys. with a rating of 10,000 watts. We will appreciate your making corrections in your station list." The slogan of the new station is the "Voice of Two Republics," and the invitation to the opening gives as one of the motives of the new station the cementing more firmly the already amicable relations enjoyed between the United States and Mexico. RADEX takes this opportunity on behalf of its many thousands of readers of extending its congratulations to the new station and trusts that it will be heard frequently in many homes throughout the United States.

THE SEALS
you buy **TODAY..**
WILL
SAVE A LIFE
TOMORROW



YOUR health tomorrow may depend upon the constant and persistent fight against tuberculosis today.

BUY CHRISTMAS SEALS
and
FIGHT TUBERCULOSIS

Building a Wave Trap

(Continued from page 4)

method of overcoming this trouble is to wrap a layer of thin paper around the tube and then wind the wire over it. The tube can readily be slipped out of the paper wrapping as there is no adhesive holding these two together. Then the paper can carefully be peeled off. In this case the condenser used was originally one of .001-mfd. capacity, but I cut out some of the stator plates in order to broaden the distance between the stations on the lower end of the dial. After these alterations the capacity of the condenser is about .00075-mfd. I find that the above-described coil and condenser covers the entire broadcast range satisfactorily.

I have found it convenient to fasten the wave trap to the underside of the table which holds the radio set. Angle brackets are used for the purpose, being attached to the panel holding the condenser and also to the table.

Daylight Stations

A NUMBER of readers have written us that they have heard during the evening hours some of the stations which we list as daylight stations. There are certain stations which are limited entirely to the daylight hours; there are others which the Radio Commission terms "Limited Time Stations," which are regularly on daylight hours, but which under certain circumstances, as outlined in General Order No. 48 of the Commission, may operate during the evening.

General Order No. 48 reads as follows:

"A limited time broadcasting station is hereby defined as a station which, under its license from this Commission, is permitted to operate during hours allowed daytime broadcasting stations as specified in General Order No. 41, and in addition during certain time temporarily not used by the unrestricted station or stations on the same frequency. An example is the use of late evening hours by a limited time broadcasting station in the West after the

closing of an Eastern station on the same frequency.

"A limited time broadcasting station desiring to operate after sunset shall so notify the Commission, which will ascertain what hours the use of which is not desired by the unrestricted station or stations on the same frequency, and will thereafter authorize the operation of the limited time station accordingly, subject however, to the right of said unrestricted station or stations to reclaim the use of such hours upon reasonable notice to the Commission and to the limited time broadcasting station.

"A limited time broadcasting station

will not be permitted to operate at any time when its operation will cause heterodyne interference with other broadcasting stations assigned to the same frequency."

The Commission lists the following stations as having been granted the "Limited Time" privileges. We are indicating these stations by "Dn." KPCB, 650; WPTF, 680; KMPC, 710; KMMJ, 740; KVI, 760; WRUF, 830; KMO, 860; WCFL, 970; KFVD, 1000; WMAK, 1040; KFKB, 1050; WJAG, 1060; KWJJ, 1060; WCB, 1080; WMBI, 1080; KSOO, 1110; WJJD, 1130; KTN, 1170; WDG, 1180; WHDI, 1180.

BROADCASTING RELAY STATIONS

A List of the Short Wave Transmitters

| <i>Location of Transmitter</i> | <i>Call Signal</i> | <i>Frequency in Kilocycles (Meters in Parenthesis)</i> | <i>Power (Watts in Antenna)</i> | <i>Licensee and Address</i> |
|--------------------------------|--------------------|---|---------------------------------|---|
| California | | | | |
| Sacramento | W6XAF | 2,938 (112.1), 5,870 (51.11) | 500 | State Dept. of Agriculture (Calif.) |
| Westminster (Near) ... | W6XAL | 6,080 (49.34), 15,250 (19.672), 21,500 (13.953) | 15,000 | Pacific-Western Bdct. Federation |
| Colorado | | | | |
| Denver | W9XA | 830 (361) | 12,500 | General Electric Co. |
| Illinois | | | | |
| Addison | W9XAQ | 6,040 (49.67) | 1,000 | Chicago Daily News |
| Chicago | W9XAA | 6,080 (49.34), 11,840 (25.34), 17,780 (16.873) | 500 | Chicago Fed. of Labor |
| Downers Grove | W9XF | 6,020 (49.83), 11,800 (25.42), 21,500 (13.953) | 5,000 | Gt. Lakes Radio Bdct. Co., 72 W. Adams St., Chicago, Ill. |
| Iowa | | | | |
| Council Bluffs | W9XU | 6,060 (49.5) | 500 | Mona Motor Oil Co. |
| Massachusetts | | | | |
| East Springfield | W1XAZ | 9,570 (31.35), 2,398 (125.1) | 10,000 | West'g'e Elec & Mfg. Co. |
| New Jersey | | | | |
| Bound Brook | W3XAL | 6,100 (49.18) | 20,000 | Nat'l Broadcasting Co. |
| Coytesville | W2XAL | 6,040 (49.67), 11,800 (25.42), 15,250 (19.672), 21,460 (13.979) | 500 | Aviation Radio Sta. |
| Kearny | W2XCX | 6,080 (49.34) | 500 | L. Bamberger & Co. |
| New York | | | | |
| Bellmore | W2XZ | 610 (491.5) | 50,000 | Nat'l Broadcasting Co. |
| Cross Hassock Bay ... | W2XE | 11,840 (25.34), 15,280 (19.634) | 20,000 | Atlantic Bdct. Corp. |
| New York (Portable) ... | W2XBR | 6,020 (49.83) | 1,000 | Baruchrome Corp. |
| South Schenectady ... | W2XAD | 15,340 (19.557) | 25,000 | Gen. Electric Co. |
| South Schenectady ... | W2XAF | 9,530 (31.48) | 40,000 | Gen. Electric Co. |
| South Schenectady ... | W2XAG | 550 (545), 660 (455), 790 (380), 1,150 (260.9), 1,500 (200) | 200,000 | Gen. Electric Co. |
| Ohio | | | | |
| Mason | W8XAL | 6,060 (49.5) | 250 | Crosley Radio Corp., 1325 Arlington St., Cincinnati, Ohio |
| Pennsylvania | | | | |
| East Pittsburgh | W8XK | 6,140 (48.86), 9,570 (31.35), 11,880 (25.25), 15,210 (19.724), 17,780 (16.873), 21,540 (13.928) | 40,000 | Westinghouse Elec. & Mfg. Co. |
| Philadelphia | W3XAU | 6,060 (49.5), 9,590 (31.28) | 500 | Universal Brdct. Co., 1940 Market St. |
| Canada | | | | |
| Middlechurch, Man. ... | CJRX | 11,720 (25.6) | 2000 | James Richardson & Sons, Ltd. |

KEY TO CHAIN STATIONS

| | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|
| CFRB 960 C | KOL 1270 C | WBEN 900 N | WFAA 800 N | WJDX 1270 N | WOW 590 N |
| CKAC 730 C | KOMO 920 N | WBRC 930 C | WFAN 610 C | WJJD 1090 C | WOWO 1160 C |
| CKGW 690 N | KPO 680 N | WBT 1080 C | WFBL 1360 C | WJR 750 N | WPG 1100 C |
| KDKA 980 N | KPRC 920 N | WBZ 990 N | WFBM 1230 C | WJZ 760 N | WPTF 680 N |
| KDYL 1290 C | KRLD 1040 C | WBZA 990 N | WFI 560 N | WKBN 570 C | WQAM 560 C |
| KECA 1430 N | KSCJ 1330 C | WCAE 1220 N | WFIW 940 C | WKBW 1480 C | WRC 950 N |
| KFAB 770 N | KSD 550 N | WCAH 1430 C | WFJC 1450 N | WKRC 550 C | WREC 600 C |
| KFH 1300 C | KSL 1130 N | WCAO 600 C | WFLA 620 N | WKY 900 N | WREN 1220 N |
| KFI 640 N | KSTP 1460 N | WCAU 1170 C | WGN 720 N | WLAC 1470 C | WRR 1280 C |
| KFJF 1480 C | KTAR 620 N | WCCO 810 C | WGR 550 C | WLBW 1260 C | WRVA 1110 N |
| KFKX 1020 N | KTHS 1040 N | WCFL 970 N | WGST 890 C | WLBZ 620 C | WSAI 1330 N |
| KFPY 1340 C | KTRH 1120 C | WCKY 1490 N | WGY 790 N | WLIB 720 N | WSB 740 N |
| KFRC 610 C | KTSA 1290 C | WCSH 940 N | WHAM 1150 N | WLIT 560 N | WSM 650 N |
| KFSD 600 N | KVI 760 C | WDAE 1220 C | WHAS 820 N | WLS 870 N | WSMB 1320 N |
| KGO 790 N | KVOO 1140 N | WDAF 610 N | WHEC 1440 C | WLW 700 N | WSPD 1340 C |
| KGW 620 N | KWK 1350 N | WDAY 940 C | WHK 1390 C | WMAK 900 C | WSUN 620 N |
| KHJ 900 C | KYW 1020 N | WDBJ 930 C | WHO 1000 N | WMAL 630 C | WTAG 580 N |
| KHQ 590 N | WABC 860 C | WDBO 1120 C | WHP 1430 C | WMAQ 670 C | WTAM 1070 N |
| KLRA 1390 C | WADC 1320 C | WDOD 1280 C | WIBO 560 N | WMC 780 N | WTAR 780 C |
| KLZ 560 C | WAIU 640 C | WDSU 1250 C | WIBW 580 C | WMT 600 C | WTIC 1060 N |
| KMBC 950 C | WAPI 1140 N | WEAF 660 N | WIOD 1300 N | WNAC 1230 C | WTMJ 620 N |
| KMOX 1090 C | WBAL 1060 N | WEAN 780 C | WISN 1120 C | WNAX 570 C | WTOC 1260 C |
| KOA 830 N | WBAP 800 N | WEBC 1290 N | WJAR 890 N | WOAI 1190 N | WWJ 920 N |
| KOIL 1260 C | WBBM 770 C | WEEL 590 N | WJAS 1290 C | WOC 1000 N | WWNC 570 C |
| KOIN 940 C | WBCM 1410 C | WENR 870 N | WJAX 900 N | WORC 1200 C | WXYZ 1240 C |

ENTER YOUR DIAL NUMBERS IN THESE SPACES

| | | | | | | | | | |
|-----|-----|-----|-----|------|------|------|------|------|------|
| 510 | 610 | 710 | 810 | 910 | 1010 | 1110 | 1210 | 1310 | 1410 |
| 520 | 620 | 720 | 820 | 920 | 1020 | 1120 | 1220 | 1320 | 1420 |
| 530 | 630 | 730 | 830 | 930 | 1030 | 1130 | 1230 | 1330 | 1430 |
| 540 | 640 | 740 | 840 | 940 | 1040 | 1140 | 1240 | 1340 | 1440 |
| 550 | 650 | 750 | 850 | 950 | 1050 | 1150 | 1250 | 1350 | 1450 |
| 560 | 660 | 760 | 860 | 960 | 1060 | 1160 | 1260 | 1360 | 1460 |
| 570 | 670 | 770 | 870 | 970 | 1070 | 1170 | 1270 | 1370 | 1470 |
| 580 | 680 | 780 | 880 | 980 | 1080 | 1180 | 1280 | 1380 | 1480 |
| 590 | 690 | 790 | 890 | 990 | 1090 | 1190 | 1290 | 1390 | 1490 |
| 600 | 700 | 800 | 900 | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 |

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.

Programs of the National Broadcasting Company begin with WEAJ and WJZ; those of the Columbia Broadcasting System with WABC. Other stations are in alphabetical order.

These programs are correct to date but are subject to change daily thereafter

Daily (Except Saturday and Sunday)

6:45-8:00 Tower Health Exercises
WEAF CKGW WCAE WEEI WFI WBEN
WGY WRC

8:15-8:30 Morning Devotions
WEAF WAPI WCAE WCKY WCSH WFI
WFLA WBSN WGY WHAS WIOD WJAR
WJAX WJDX WLS WOW WPTF WRC
WRVA WSUN WTAG WWJ

8:30-9:00 Cheerio
WEAF CKGW KPRC KSTP WAPI WCAE
WCKY WCSH WDAF WEEI WPI WFLA
WBSN WGY WHAS WIBO WIOD WJAR
WJAX WJDX WMC WOAI WOW WPTF
WRC WRVA WSB WSM WSUN WTAG
WTAM WWJ

9:00-9:15 The Quaker Man
KPRC KSD KSTP KTHS KVOO WAPI
WDAF WEEB WFAA WHAS WHO WJDX
WKY WLS WMC WOAI WOC WOW
WSB WSM WSMB WTMJ

9:00-9:30 Something For Everyone
WABC KDYL KFH KFJF KMBC KMOX
KSCJ WADC WBCM WBRG WDBJ WDOD
WHP WJAS WLAC WMAQ WMT WPG
WREC WSPD WWNC WXYZ

9:00-10:00 Morning Melodies
WEAF WAPI WGY WTEN WHAS WOW
WRC WRVA WSM WBAM WWJ

11:15-11:30 Radio Household Institute
WEAF KFKX KPRC KSD KSTP KTHS
KVOO WAPI WCAE WCSH WEEB WEEI
WBSN WGY WHAS WJAR WKY WLIT
WMC WOAI WRC WSAI WSB WSM
WSMB WTAG WTAM WTMJ WWJ

12:00-12:30 Manhattan Tower Orchestra
WABC KDYL KFH KFJF KFPY KMBC
KSCJ WADC WAFU WBCM WBRG WCAO
WDAY WDOD WEAN WHP WIBW WISN
WJAS WKRC WLAC WLBW WLIZ WMAL
WMT WORC WOWO WPG WREC WSPD
WTAR WXYZ

12:30-1:00 Columbia Revue
WABC KFJF KFPY KPRC KMBC KOL
KSCJ KVI WADC WBRG WCAO WCAU
WDAY WDBJ WDOD WHEC WHP WIBW
WISN WJAS WKBN WLBW WLIZ WMAL
WMT WORC WOWO WPG WREC WSPD
WTAR WWNC WXYZ WGR

12:30-1:30 National Farm and Home Hour
WJZ KDRA KFAB KFKX KOA KPRC
KSTP KTHS KVOO WAPI WBAL WBZ
WBZA WDAF WEEB WFAA WFLA WHAM
WHAS WHO WIOD WJAX WJDX WJR
WKY WLW WMC WOAI WOC WOW
WPTF WRC WREN WRVA WSB WSM
WSMB WSUN

1:30-2:00 Harold Stern and Ambassador Orchestra
WABC KFKJ KFPY WADC WAIU WBCM
WBRG WCAO WDBJ WDOD WEAN WFAA
WGR WHEC WJAS WKRC WLAC WLBZ
WMAL WORC WOWO WSPD WTAR WWNC
WXYZ

2:30-3:00 Columbia Educational Features
WABC KDYL KFH KFJF KFPY KFRG
KLZ KMBC KSCJ KVI WADC WAIU
WBCM WBRG WCAO WCAU WCCO WDAY
WDBJ WDOD WEAN WFBM WHK WHP
WIBW WISN WJAS WKBN WKRC WLAC
WLIZ WMAL WMT WNAC WOWO WPG
WREC WSPD WTAR WWNC WXYZ

3:00-3:30 Columbia Salon Orchestra
WABC KFJF KFPY KLZ KMBC KOL
KRLD KSCJ KVI WADC WAIU WBCM
WBRG WCAO WCAU WDAY WDBJ WDOD
WEAN WFBM WGR WHEC WHP WIBW
WISN WKBN WKRC WLAC WLBZ WMAL
WMT WNAC WORC WPG WREC WSPD
WTAR WWNC WXYZ

5:00-5:30 The Lady Next Door
WEAF KSD WBSN WFAA WHAS WRC
WSM WTAG

6:05-6:45 Black and Gold Room Orchestra
WEAF WCAE WCSH WFAA WGY WHO
WJAR WOC WRC WTAR WWJ

6:45-7:00 Uncle Abe and David
WEAF KSD WAPI WCAE WCSH WDAF
WEEB WEEI WENR WFI WFJC WGY
WHAS WHO WJAR WJDX WMC WOC
WOW WRC WSAI WSB WSM WSMB
WTAG WTAM WTMJ WWJ

6:45-7:00 Literary Digest Topics
WJZ KDKA WBAL WBZ WBZA WFLA
WHAM WIOD WJAX WLW WPTF WRVA
WSUN

7:00-7:15 Amos 'n' Andy
WJZ CKGW KDKA WBZ WBZA WCKY
WFLA WHAM WIOD WJAX WJR WLW
WPTF WRC WRVA WSUN

7:30-7:45 Phil Cook, Quaker Man
WJZ KDKA KECA KFSD KGO KGW
KHQ KOA KOMO KSL KTAR KWK
WBZ WBZA WEEB WHAM WRC WREN
WTMJ

11:15-11:30 Columbia's Radio Column
WABC KFH KFJF KFPY KLZ KMBC
KOL KSCJ WBCM WBRG WCAO WCAU
WCCO WDAY WDBJ WDOD WEAN WFBM
WIBW WISN WLBW WLBZ WMAL WMT
WNAC WNAH WORC WPG WREC WTAR
WWNC WXYZ

11:00-11:15 Amos 'n' Andy
KFAB KOA KPRC KSTP KTHS KWK
WBAP WDAF WEEB WHAS WJDX WMAQ
WMC WOAI WREN WSB WSM WSMB
WTMJ

11:30-11:45 Amos 'n' Andy
KECA KFSD KGO KGW KHQ KOMO
KSL

Sunday

1:30-1:45 Echoes of the Orient
WJZ CKGW KFAB WBAL WLW WRC
WREN

1:30-2:00 Neapolitan Nights
WEAF KGO KSD KSL WCAE WDAF
WHAS WHO WIBO WOC WOW WTAM
WWJ

1:30-2:00 Conclave of Nations

WABC KFPY KLZ KMBC KMOX KSCJ
 KVI WAIU WBCM WBRC WCAO WCAU
 WDAY WDBJ WDOD WGR WHEC WHP
 WBW WISN WKBN WLBZ WMAL WMT
 WORC WPG WREC WSPD WTAR WWNC
 WXYZ

2:00-3:00 Roxy Symphony Concert

WJZ CKGW KDKA KFAB KSTP KWK
 KYW WBAL WBZ WBZA WVEC WFAA
 WFLA WHAM WHAS WIOD WJAX WLW
 WPTF WRC WREN WRVA WSB WSUN

2:00-3:00 Cathedral Hour

WABC KDYL KFH KFPY KLZ KMBC
 KMOX KRLD KSCJ KVI WADC WBCM
 WBRC WCAO WCAU WCCO WDBJ WDOD
 WEAN WFBM WHEC WHP WBW WISN
 WKBN WKRC WLAC WLBZ WMT WNAC
 WORC WPG WSPD WTAR WWNC WXYZ

2:30-3:00 NBC Artists' Service Program

WEAF KSD KSL WDAF WGY WLS
 WOW WTAG WWJ

3:00-4:00 National Youth Conference

WJZ KDKA KFAB KFSO KGO KGW
 KOA KSL KTHS KVOO KWK WBAL
 WBZ WBZA WFAA WFLA WIOD WJAX
 WJDX WJR WLS WLW WOAI WPTF
 WREN WRVA WSB WSUN

3:00-5:00 New York Philharmonic Orchestra

WABC KDYL KFH KFPY KFCR
 KHJ KLZ KMBC KMOX KRLD KSCJ
 KVI WADC WAIU WBCM WBRC WCAO
 WCAU WCCO WDAY WDBJ WDOD WEAN
 WFBM WHEC WHP WBW WISN WJAS
 WKBN WKRC WLAC WLBW WLBZ WMAQ
 WMT WNAC WORC WOWO WREC WSPD
 WTAR WWNC WXYZ WGR

4:00-4:15 Florsheim's Sunday Feature

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

4:00-5:00 Dr. S. Parkes Cadman

WEAF KGO KGW KHQ KOA KOMO
 KPO KPRC KVOO WCAE WCHS WDAF
 WEBC WEEI WFAA WFLA WFLA WBN
 WHAS WHO WIBO WIOD WJAR WJAX
 WJDX WKY WMC WOAI WOC WOW
 WPTF WRC WRVA WSAI WSB WSUN
 WTAG WWJ

5:00-5:30 Rev. Donald Grey Barnhouse

WABC KMOX KOIL KRLD WADC WCAU
 WFBL WJAS WKBN WKRC WMAL WMAQ
 WNAC WOWO WXYZ

5:00-6:00 Davey Hour

WEAF CKGW KSD WCHS WGY WHO
 WJAR WOC WOW WRC WSAI WTAG

5:00-6:00 National Vespers

WJZ KFAB KGO KGW KHQ KOA
 KOMO KPRC KSTP KTHS KWK
 WBAL WBZ WBZA WVEC WFLA WHAM
 WIOD WJAX WJDX WLW WMC WOAI
 WPTF WRC WREN WSB WSUN

5:30-6:00 The French Trio

KDYL KFPY KFPY KLZ KMBC KSCJ
 KVI WADC WBRC WCCO WDAY WDBJ
 WDOD WEAN WFBM WHP WBW WJAS
 WKBN WLBW WLBZ WMAL WMT WNAC
 WORC WOWO WPG WREC WSPD WTAR
 WWNC WXYZ WGR

6:00-7:00 Catholic Hour

WEAF KECA KGO KGW KHQ KOA
 KOMO KPO KPRC KSD KSTP KTHS
 KVOO KYW WBAP WCAE WCHS WDAF
 WEBC WEEI WFCJ WFLA WGY WKY
 WHAS WHO WIOD WJAR WJAX WJDX
 WLIT WMC WOAI WOC WRC WRVA
 WSAI WSB WSM WSMB WSUN WTAG
 WTMJ WWJ

7:00-7:35 Iodent Big Brother Club

WEAF KSD WCAE WCHS WVEC WEEI
 WFCJ WBN WHO WJAR WLIT WLS
 WOC WOW WRC WSAI WTAG WTMJ
 WWJ

7:30-8:00 Williams Oilomatics

WJZ KDKA KOA KSL KWK WBZ
 WBZA WGN WHAM WJR WLW WREN

7:35-8:30 Major Bowes' Family

WEAF KSD KSTP WCAE WCHS WDAF
 WFCJ WFLA WGY WHAS WIOD WJAR
 WJDX WKY WLS WMC WOAI WRC
 WSAI WSB WSMB WSUN WTAG WWJ

8:00-8:15 The World's Business

WABC KDYL KFPY KPRC KHJ KLZ
 KMBC KOL KRLD KSCJ WADC WAIU
 WCAO WDAY WDBJ WDOD WEAN WFBM
 WGR WHEC WHP WBW WISN WJAS
 WKBN WLAC WLBW WLBZ WMAL WMT
 WNAC WNAX WORC WREC WTAR WWNC
 WXYZ

8:00-8:15 Enna Jettick Melodies

WJZ KDKA KFAB KFI KFSO KGW
 KHQ KOA KOMO KPO KPRC KSL
 KSTP KTHS KTHS KVOO KWK KYW
 WAPI WBZ WBZA WCKY WEBC WFAA
 WFLA WHAM WHAS WIOD WJAX WJDX
 WJR WKY WMC WOAI WPTF WREN
 WRVA WSB WSM WSMB WSUN WTMJ

8:15-9:15 Collier's Radio Hour

WJZ KDKA KFI KGW KHQ KOA
 KOMO KPO KSL KWK KYW WBZ
 WBZA WHAM WJR WLW WREN

8:30-9:00 Chase & Sanborn Choral Orchestra

WEAF KPRC KSD KSTP KTHS KVOO
 WCAE WCHS WDAF WEBC WFCJ WFLA
 WGY WHAS WHO WBO WIOD WJAR
 WJDX WKY WLIT WMC WOAI WOC
 WOW WRC WSAI WSB WSB WSMB
 WSUN WTAG WTMJ WTMJ WWJ

9:00-9:15 Our Government, David Lawrence

WEAF KSD WCAE WCHS WEBC WEEI
 WFAA WFCJ WFLA WGY WHAS WHO
 WIOD WJAR WJDX WKY WLIT WMC
 WOAI WOC WOW WPTF WRC WSAI
 WSB WSM WSMB WSUN WTAG WTMJ
 WWJ

9:00-9:30 Majestic Theatre of the Air

WABC CPRB CKAC KDYL KFH KFPY
 KFPY KPRC KHJ KLRA KLZ KMBC
 KOIL KOIN KOL KRLD KTHS KVI
 WADC WBBM WBRC WBT WCAU WCAU
 WCCO WDBJ WDEL WDOD WDSU WEAN
 WFBL WFBM WHK WBW WISN WJAS
 WKBN WKRC WLAC WLBW WLBZ WMAL
 WNAC WOWO WPG WREC WSAZ WSPD
 WTAR WWNC WXYZ

9:15-10:15 Atwater Kent Hour

WEAF CKGW KFI KGW KHQ KOA
 KOMO KPO KSD KSL KSTP WAPI
 WCAE WDAF WEEI WFAA WFI WGN
 WBN WGR WHAS WHO WKY WMC
 WOAI WOC WOW WRC WSAI WSB
 WSM WSMB WTAM WWJ

9:30-10:00 Tone Pictures

WABC KFPY KFPY KLRA KLZ KMBC
 KMOX KOIL KOL KRLD KSCJ WADC
 WBCM WBRC WCAO WCCO WDAY WDBJ
 WDOD WEAN WFLB WHEC WBW WISN
 WJAS WBNB WKRC WLAC WLBW WMAL
 WMT WNAC WNAX WORC WREC WSPD
 WTAR WWNC WXYZ

10:00-10:30 Toscha Seidel and Orchestra

WABC KFPY KFPY KLRA KLZ KMBC
 KMOX KOIL KSCJ WADC WBCM WBRC
 WCAO WCAU WDAY WDBJ WDOD WEAN
 WFBM WHEC WBW WJAS WKBN WKRC
 WLAC WLBW WMAL WMT WNAC WNAX
 WORC WREC WSPD WTAR WXYZ

10:15-10:45 Studebaker Champions

WEAF KFI KGO KGW KHQ KOA
 KOMO KSTP WCAE WCHS WDAF WEBC
 WEEI WFI WGN WBN WGY WJAR
 WOW WRC WTAG WTAM WTMJ WTMJ
 WWJ

10:30-11:00 Around the Samovar

WABC WADC WCAO WCAU WDBJ WEAN
 WHEC WHK WJAS WKBN WLBW WLBZ

WMAI WNAC WORC WPG WSPD WTAR
 WXYZ
 10:30-11:00 **Low White, Organist**
 WJZ CKGW KDKA KWK WBZ WBZA
 WHAM WJAX WJDX WJR WREN WRVA
 10:45-11:15 **Sunday at Seth Parker's**
 WEAF CKGW KFSO KGO KGW KHQ
 KOA KOMO KPRC KSTP KTAR KYW
 WCAE WCHS WDAF WEBC WEEI WFI
 WFJC WBEN WGY WHAS WHO WIOD
 WJAX WJDX WKY WMC WOC WOW
 WRC WSB WSM WTAM WTMJ WWJ
 11:00-11:30 **Kaffee Hag Slumber Music**
 WJZ KDKA KWK WBZ WBZA WENR
 WHAM WJR WLW WREN
 11:00-12:00 **Back Home Hour**
 WABC KFH KFJF KFPY KHJ KMBC
 KMOX KRLL WCCO WDAY WDBJ WDOD
 WFBM WHEC WIBW WISN WKBN WKRC
 WMAL WMT WNAX WPG WREC WTAR
 WXYZ
 11:03-12:00 **Russian Cathedral Choir**
 WEAF CKGW KOA KSTP WBAP WEBC
 WFJC WBEN WGY WHAS WIOD WOW
 WRC WSB WTAM WWJ

Monday

3:00-3:30 **Phil Napleon and His Band**
 WJZ KDKA KPRC KWK WBAL WBZ
 WBZA WHAM WREN WSB WSM
 3:30-4:00 **Sixteen Singers**
 WEAF CKGW KSD KSTP WBEN WFJC
 WHO WOC WRC WTAM
 4:00-4:30 **Hotel Cosmopolitan Orchestra**
 WJZ CKGW KGO KOA KOMO KSTP
 KYW WAPI WBAL WFAA WHAM WJAX
 WJR WLW WREN WSB WSM WTMJ
 4:00-4:30 **Ballad Hour**
 WABC KDYL KFJF KFPY KFRC KHJ
 KLZ KMBC KMOX KOL KRLL KSCJ
 KVI WADC WAIU WBCM WBRC WCAO
 WCAU WCCO WDAY WDBJ WDOD WEAN
 WGR WHEC WIBW WISN WKRC WLAC
 WLBZ WMAL WMT WNAC WORC WPG
 WREC WSPD WTAR WNNC WXYZ
 4:30-5:00 **Wardman Park Hotel Orchestra**
 WABC KDYL KFJF KFPY KFRC KLZ
 KMBC KMOX KOL KRLL KSCJ KVI
 WADC WAIU WBCM WBRC WCAO WCCO
 WDAY WDBJ WDOD WEAN WGR
 WHP WIBW WISN WLAC WLBZ WMAL
 WMT WNAC WORC WPG WREC WSPD
 6:00-6:30 **Mormon Tabernacle Choir**
 WJZ CKGW KDKA KFAB KFSO KGO
 KGW KOA KOMO KPO KSL KSTP
 KTAR KWK WAPI WBAL WHAS WLW
 WRC WSM
 6:00-6:30 **WSPD Commodores**
 WABC KFJF KFPY KFRC KLRA KLZ
 KOL KRLL WAIU WBBM WBCM WBRC
 WCCO WDAY WDBJ WDOD WFAN WFLB
 WHP WKBW WLBW WMAL WMT WREC
 WSPD WTAR WNNC
 7:00-7:15 **Current Events**
 WABC KFH KFJF KFPY KFRC KLZ
 KOL KSCJ KVI WBCM WCAU WDAY
 WDBJ WDOD WFBM WHEC WHP WIBW
 WISN WJAS WLBW WLBZ WMAL WMT
 WORC WREC WSPD WTAR WNNC WXYZ
 7:30-8:00 **Colonial Beacon Nights**
 WEAF WBEN WCHS WEEI WGY WJAR
 WTAG
 7:45-8:00 **Anheuser-Busch Program**
 KFJF KLRA KMBC KMOX KOIL KRLL
 KTRH WAIU WDOD WDSU WFBM WHK
 WMAQ WMT WREC WSPD WXYZ
 7:45-8:30 **Roxy's Gang Program**
 WJZ CKGW KFAB KGO KGW KWK
 WBZ WBZA WHAM WIBO WSB WSM
 8:00-8:30 **Half Hour in Nation's Capital**
 WEAF KECA KFSO KGO KGW KOA
 KOMO KPRC KSD KVOO KYW WCAE

WDAF WFJC WFLA WHAS WHO WIOD
 WJAR WJAX WJDX WKY WOAI WOC
 WOW WPTF WRC WSAI WSMB WSN
 WTAG WTIC WWJ
 8:15-8:30 **Mardi Gras**
 WABC KDYL KFPY KFRC KMBC KRLL
 KSCJ WADC WBCM WCCO WDAY WDBJ
 WDOD WEAN WGR WIBW WISN WJAS
 WKRC WLAC WLBW WLBZ WMAL WMAQ
 WNAC WNAX WORC WTAR WWNC WXYZ
 8:30-9:00 **Ingram Shavers**
 WJZ CKGW KDKA KFAB KOA KPRC
 KTHS KVOO KWK KYW WBZ WBZA
 WEBC WFAA WFLA WHAS WIOD WJAX
 WJR WKY WLW WMC WOAI WREN
 WRVA WSB WSM WSMB WSN WTMJ
 8:30-9:00 **Arabesque**
 WABC KFJF KFPY KLRA KMOX KOIL
 KRLL WBCM WCCO WDAY WDBJ WDOD
 WEAN WFBL WGR WJAS WKRC WLBW
 WMAL WMAQ WMT WNAC WNAX WORC
 WREC WNNC WXYZ
 8:30-9:30 **A & P Gypsies**
 WEAF KSD WCAE WCHS WDAF WEEI
 WGN WBEN WGY WHO WJAR WLIT
 WOC WOW WRC WSAI WTAG WTAM
 WTIC WWJ
 9:00-9:30 **Maytag Orchestra**
 WJZ KDKA KECA KGO KGW KHQ
 KOA KOMO KPRC KSL KSTP KTHS
 KVOO KWK KYW WBZ WBZA WCKY
 WEBC WHAM WJDX WJR WKY WMC
 WOAI WREN WSB WSM WSMB
 9:00-9:30 **Minneapolis-Honeywell Symphony Hour**
 WABC KMBC KMOX KOIL WADC WBBM
 WBT WCAO WCAU WCCO WEAN WFLB
 WHK WISN WJAS WKBW WKRC WLBW
 WMAL WNAC WOWO WPG WSPD WXYZ
 9:30-10:00 **Chesbrough Real Folks**
 WJZ CKGW KDKA KWK KYW WBZ
 WBZA WHAM WJR WLW WREN
 9:30-10:00 **Bourjois—Evening in Paris**
 WABC KDYL KFJF KFPY KFRC KHJ
 KLZ KMBC KMOX KOIL KOIN KOL
 KRLL WADC WBBM WBT WCAO WCAU
 WCCO WDSU WEAN WFLB WGST WHK
 WJAS WKBW WKRC WLBW WMAL WNAC
 WOWO WPG WSPD WXYZ
 9:30-10:00 **General Motors Family Party**
 WEAF KECA KFI KGO KGW KHQ
 KOA KOMO KPRC KSD KSL KSTP
 WCAE WCHS WDAF WEEI WFAA WGN
 WBEN WGY WHAS WHO WJAR WJAX
 WKY WLIT WMC WOAI WOC WOW
 WRC WSAI WSB WSM WTAG WTAM
 WTIC WTMJ WWJ
 10:00-10:30 **Robert Burns Panatela Program**
 WABC KDYL KFJF KFPY KFRC KHJ
 KLZ KMBC KMOX KOIL KOIN KOL
 KRLL KTRH KTSA KVI WADC WBT
 WCAO WCAU WCCO WEAN WFLB WFBM
 WHK WJAS WKBW WKRC WLBW WMAL
 WMAQ WNAC WOWO WPG WSPD WXYZ
 10:00-10:30 **Stromberg-Carlson Program**
 WJZ KDKA KFI KFSO KGO KGW
 KHQ KOA KOMO KPRC KTAR KWK
 KYW WAPI WBZ WBZA WCKY WEBC
 WFLA WHAM WHAS WIOD WJAX WJDX
 WJR WKY WMC WOAI WREN WRVA
 WSB WSM WSMR WSN
 10:00-10:30 **Adventures of Sherlock Holmes**
 WEAF WCAE WCHS WEEI WGN WJAR
 WLIT WRC WSAI WTAG WTAM WWJ
 10:30-11:00 **Empire Builders**
 WJZ KDKA KECA KFSO KGO KGW
 KHQ KOA KOMO KPRC KSL KSTP
 KTAR KWK KYW WBAP WBZ WBZA
 WEBC WHAM WJR WKY WLW WOAI
 WREN WTMJ
 10:30-11:00 **American Maize Program**
 KDYL KFPY KFRC KHJ KLZ KNX
 KOIL KOL KSCJ WADC WBBM WCAH
 WCAU WDAY WHK WHP WISN WJAS
 WKBN WKRC WLBW WMT WNAX WSPD

| | | | | | | | | | | | | | |
|-------------|---|------|------|------|------|------|------|------|-------|------|------|------|-------|
| 10:30-11:00 | Symphonic Rhythm Makers | WEAF | WCAE | WCBS | WDAF | WEEI | WJAR | WRVA | WSAI | WSB | WSM | WSMB | WSUN |
| | | WJDX | WMC | WOW | WRC | WSB | WTAG | WTAG | WWJ | | | | |
| | | WTAM | WWJ | WBEN | | | | | | | | | |
| 11:00-11:15 | Will Osborne and His Orchestra | WABC | KDYL | KFH | KFJF | KFPY | KLZ | KMBC | KMOX | KOIL | KOIN | KOL | KTRH |
| | | WCCO | WDAY | WDBJ | WDDO | WFBM | WIBW | WDAE | WDBO | WDSU | WEAN | WFBL | WGST |
| | | WISN | WLBW | WLBZ | WMAL | WMT | WNAX | WHK | WJAS | WKBW | WKRC | WLAC | WLBW |
| | | WORC | WPG | WREC | WTAR | WWNC | WXYZ | WMAL | WMAQ | WNAC | WOWO | WPG | WQAM |
| | | WSPD | WTOC | WXYZ | | | | | | | | | |
| 11:00-11:30 | Hal Kemp's Orchestra | WEAF | KSD | KSTP | WCAE | WDAF | WEBC | WJZ | CKGW | KDKA | KWK | KYW | WBAL |
| | | WENR | WGY | WJDX | WMC | WOW | WRC | WBZ | WBZA | WCKY | WHAM | WREN | |
| | | WSAI | WSB | WSMB | WTMJ | WWJ | | | | | | | |
| 11:30-12:00 | Bernie Cummins and His Orchestra | WEAF | KSD | KSTP | WDAF | WHO | WOC | | | | | | |
| | | WOW | WRC | WWJ | | | | | | | | | |
| 11:30-12:00 | Sammy Watkins and His Orchestra | WABC | KDYL | KFH | KFJF | KFPY | KLZ | KMBC | KOL | KSCJ | WBCM | WBRC | WCAO |
| | | WCCO | WDAY | WDBJ | WDDO | WFBM | WHK | WRC | WLBW | WMAL | WNAC | WOWO | WSPD |
| | | WIBW | WISN | WKRC | WLBZ | WMAL | WMT | WXYZ | WYBEN | | | | |
| | | WNAX | WORC | WPG | WREC | WTAR | WWNC | | | | | | |
| | | WXYZ | | | | | | | | | | | |
| 12:00-1:00 | Phil Spitalny and His Orchestra | WEAF | KSD | KSTP | KYW | WDAF | WFJC | WJAR | WJDX | WMC | WOW | WRC | WWTAM |
| | | WHO | WKY | WOC | WRC | WSM | WTAM | WSAI | WSB | WSM | WSMB | WTAM | WWJ |
| | | WWJ | | | | | | | | | | | |

Tuesday

| | | | | | | | | | | | | | |
|-------------|---|------|-------|------|------|------|------|------|------|------|------|------|-------|
| 10:15-10:30 | Through the Looking Glass | WJZ | CKGW | KDKA | KFAB | KFKX | KPRC | KVOO | KWK | WBZ | WBZA | WHAM | WJR |
| | | WKY | WLW | WOAI | WREN | | | | | | | | |
| 3:30-4:00 | Golden Gems | WEAF | KSD | KSTP | WEEI | WFJC | WFLA | WJAX | WOW | WSUN | WTAG | WTAM | WTIC |
| 4:00-4:30 | Italian Idyll | WABC | KDYL | KFJF | KFPY | KFRC | KLZ | KMBC | KMOX | KRLD | KSCJ | KVI | WADC |
| | | WAIU | WBCM | WBRC | WCAO | WCAU | WCCO | WISN | WJAS | WKBW | WKRC | WLAC | WLBW |
| | | WDBJ | WDDO | WEAN | WHK | WIBW | WISN | WKRC | WLAC | WLBZ | WMAL | WMT | WNAC |
| | | WORC | WOWO | WPG | WREC | WTAR | WWNC | WXYZ | WGR | | | | |
| 4:00-5:00 | Pacific Vagabonds | WJZ | KFAB | KFSD | KGO | KOA | KSTP | WAPI | WHAM | WJAX | WJR | WLW | WSM |
| 5:00-5:15 | Rhythm Kings | WABC | KDYL | KFH | KFJF | KLZ | KMBC | KMOX | KRLD | KSCJ | WAIU | WBCM | WBRC |
| | | WCAO | WCCO | WDDO | WFBM | WHP | WISN | WKBN | WLBZ | WMAL | WMT | WREC | WTAR |
| | | WWNC | WXYZ | WGR | | | | | | | | | |
| 7:15-7:45 | Musical Aviators Orchestra | KFH | KFJF | KFPY | KFRC | KLRA | KLZ | KOIL | KRLD | KSCJ | WAIU | WBRC | WCCO |
| | | WDAY | WDBJ | WDDO | WFBL | WGR | WHEC | WHP | WIBW | WISN | WJAS | WKRC | WLAC |
| | | WLBW | WMT | WORC | WREC | WTAR | WWNC | WXYZ | | | | | |
| 7:30-8:00 | Soconyland Sketches | WEAF | WBEN | WCBS | WEEI | WGY | WJAR | | | | | | |
| 8:00-8:15 | Troika Bells | WEAF | WDAF | WEEI | WFI | WRC | WSAI | | | | | | |
| 8:00-8:30 | Pure Oil Orchestra | WJZ | KDKA | KFAB | KSTP | KWK | KYW | WBAL | WEBC | WHAM | WHAS | WJAX | WJDX |
| | | WLV | WMC | WPTF | WREN | WRVA | WSB | WSM | WTMJ | | | | |
| 8:00-9:30 | Blackstone Program | WABC | KMBC | KMOX | KOIL | WADC | WAIU | WBAL | WCAH | WCAO | WCAU | WCCO | WEAN |
| | | WFBL | WHEC | WHK | WHP | WJAS | WKBW | WLBW | WLBZ | WMAL | WMAQ | WMT | WNAC |
| | | WORC | WPG | WSPD | WXYZ | | | | | | | | |
| 8:30-9:00 | Florsheim Frolic | WEAF | KOA | KPRC | KSD | KSL | KSTP | KTBS | KVOO | WBAP | WCAE | WCBS | WDAF |
| | | WEBC | WFI | WFLA | WGN | WBEN | WGY | WJAS | WHO | WIOD | WJAR | WJAX | WJDX |
| | | WKY | WMC | WOAI | WOC | WOW | WRC | | | | | | |
| 8:45-9:00 | Premier Salad Dressers | WABC | KDYL | KFPY | KFRC | KHJ | KLZ | KMBC | KMOX | KOIL | KOIN | KOL | KTRH |
| | | KVI | WADC | WBT | WCAO | WCAU | WCCO | WDAE | WDBO | WDSU | WEAN | WFBL | WGST |
| | | WHK | WJAS | WKBW | WKRC | WLAC | WLBW | WSPD | WTOC | WXYZ | | | |
| 9:00-9:30 | Tek Music | WJZ | CKGW | KDKA | KWK | KYW | WBAL | WBZ | WBZA | WCKY | WHAM | WREN | |
| 9:00-9:30 | Henry George | WABC | KFH | KMBC | KMOX | KOIL | WADC | WBMM | WCAO | WCAU | WCCO | WEAN | WFBL |
| | | WFBM | WHK | WHP | WISN | WJAS | WKBW | WKRC | WLAC | WLBW | WLBZ | WMAL | WNAC |
| | | WXYZ | WYBEN | | | | | | | | | | |
| 9:00-9:30 | Eveready Program | WEAF | KGO | KGW | KHQ | KOA | KOMO | KSD | KSL | WCAE | WCBS | WEBC | WEEI |
| | | WFI | WFJC | WGN | WGY | WHAS | WHO | WJAR | WJDX | WMC | WOW | WRC | WWTAM |
| | | WSAI | WSB | WSM | WSMB | WTAM | WWJ | | | | | | |
| 9:30-10:00 | Happy Wonder Bakers | WEAF | KECA | KGO | KGW | KHQ | KOA | KOMO | KPRC | KSD | KSL | KSTP | KVOO |
| | | WBAP | WCAE | WCBS | WDAF | WEBC | WEEI | WFI | WFJC | WBEN | WGY | WHAS | WHO |
| | | WIBO | WJAR | WJDX | WKY | WMC | WOC | WOW | WRC | WRVA | WSAI | WSB | WSMB |
| | | WTAG | WTAM | WTMJ | WWJ | | | | | | | | |
| 9:30-10:00 | Philo Symphony Concert | WABC | CFRB | KFH | KFJF | KMBC | KMOX | KOIL | KRLD | KTRH | KTSA | WADC | WBRC |
| | | WBT | WCAO | WCAU | WCCO | WDDO | WDSU | WEAN | WFBL | WFBM | WGST | WHEC | WHK |
| | | WISN | WJAS | WKBW | WKRC | WLAC | WLBW | WLBZ | WMAL | WMAQ | WMT | WNAC | WOWO |
| | | WREC | WSPD | WTAR | WXYZ | | | | | | | | |
| 10:00-10:15 | Enna Jettick Songbird | WEAF | KSD | WCAE | WCBS | WDAF | WEEI | WFI | WFJC | WBEN | WGY | WHO | WIBO |
| | | WJAR | WOC | WOW | WRC | WSAI | WTAG | WTAM | WWJ | | | | |
| 10:00-10:15 | Graybar's, Mr. and Mrs. | WABC | KDYL | KFH | KFJF | KFPY | KFRC | KHJ | KLRA | KLZ | KMBC | KMOX | KOIL |
| | | KOIN | KOL | KRLD | KTRH | KTSA | KVI | WADC | WAIU | WBMM | WBRC | WBT | WCAO |
| | | WCAU | WCCO | WDBJ | WDSU | WEAN | WFBL | WFBM | WGST | WHEC | WHK | WISN | WJAS |
| | | WKBN | WKBW | WKRC | WLAC | WLBW | WLBZ | WMAL | WNAC | WOWO | WPG | WREC | WTAR |
| | | WNNC | WXYZ | | | | | | | | | | |
| 10:00-10:30 | Westinghouse Salute | WJZ | KDKA | KECA | KFSD | KGO | KGW | KHQ | KOMO | KPRC | KSL | KSTP | KTAR |
| | | KWK | KYW | WAPI | WBAL | WBZ | WBZA | WCKY | WEBC | WFLA | WHAM | WHAS | WIOD |
| | | WJAX | WJR | WKY | WMC | WOC | WREN | WRVA | WSB | WSM | WSMB | WSUN | WTMJ |
| 10:15-11:00 | Paramount Publix Radio Playhouse | WABC | CFRB | KDYL | KFH | KFJF | KFPY | KFRC | KHJ | KLRA | KLZ | KMX | KMOX |
| | | KOIL | KOIN | KOL | KSCJ | KTRH | KTSA | WADC | WBBM | WBCM | WNRC | WBT | WCAO |
| | | WCAU | WCCO | WDAE | WDAY | WDBJ | WDBO | WDDO | WDSU | WEAN | WFBL | WFBM | WGST |
| | | WHEC | WHK | WHP | WIBW | WISN | WJAS | WKBN | WKBW | WKRC | WLAC | WLBW | WLBZ |
| | | WMAL | WMT | WNAC | WNAX | WOWO | WPG | WQAM | WREC | WRR | WSPD | WTAR | WTOC |
| | | WNNC | WXYZ | | | | | | | | | | |
| 10:15-11:00 | Lucky Strike Orchestra | WEAF | KECA | KFSD | KGO | KGW | KHQ | KOA | KOMO | KSD | KTAR | WCAE | WCBS |
| | | WDAF | WEBC | WEEI | WFI | WFOC | WFLA | WJAS | WHO | WIBO | WIOD | WJAR | WJDX |
| | | WJAX | WJDX | WKY | WMC | WOAI | WOC | WRC | WRVA | WSAI | WSB | WSM | WSMB |
| | | WSUN | WTAG | WTMJ | WWJ | | | | | | | | |

10:30-11:00 Cuckoo
WJZ KDKA WBZ WBZA WCKY WJR
WREN

11:00-11:30 Will Osborne and His Orchestra
WABC KFH KFJF KFPY KLRA KMBC
KOIL WBCM WCAO WDAY WDBJ WDOD
WFBL WGR WHEC WHP WIBW WISN
WLBW WMT WNAX WORC WREC WSPD
WTAR WWNC WXYZ

11:00-11:30 Duke Ellington and His Orchestra
WEAF KOA KSD KSTP WCAE WDAF
WFI WFJC WGY WHAS WJDX WMC
WOW WSAI WSB WSM WTMJ WWJ

11:30-12:00 Vincent Lopez and His Orchestra
WEAF CKGW KOA KSTP WFI WHO
WJDX WOC WOV WRC

WHK WJAS WKBW WKRC WLAP WMAL
WMAQ WNAC

7:45-8:00 Fifth Avenue Knights
WJZ KDKA KYW WBZ WBZA WHAM

8:00-8:30 East of Cairo
WEAF KGO KGW WCAE WDAF WEEI
WIOD WJAR WJDX WOW WRC WTAG
WWJ

8:00-8:30 Yeast Foamers
WJZ KDKA KFAB KSTP KWK KYW
WBZ WBZA WIBC WHAM WJR WREN

8:15-8:30 Romany Patteran
WABC KFH KFJF KFPY KFRC KLRA
KMBC KMOX KRLL KSCJ WADC WBCM
WBRC WCCO WDAY WDBJ WDOD WEAN
WFBL WGR WIBW WISN WJAS WLAC
WMAL WMT WNAX WORC WREC WSPD
WTAR WWNC WXYZ

Wednesday

11:30-12:00 The Recitalists
WJZ KFAB KOA KWK WBAL WHAM
WSM

12:00-12:15 Elgin Program
WEAF CKGW KOA KSD KTHS KVOO
KYW WAPI WCAE WCHS WDAF WEBC
WEEI WFJC WFLA WHAS WHO WIOD
WJAR WJAX WJDX WKY WLW WMC
WOAI WOC WPTF WRC WRVA WSAI
WSB WSMB WSUN WTAG WWJ

3:00-3:30 Matinee Gems
WJZ KDKA KWK WBAL WBZ WBZA
WHAM WJAX WJDX WREN WRVA

3:30-4:00 Syncopated Silhouettes
WABC KDYL KFJF KFPY KLZ KMBC
KSCJ KVI WADC WAIU WBCM WBRC
WCAO WCAU WCCO WDAY WDBJ WDOD
WGR WHEC WHK WHP WIBW WISN
WKBN WKRC WLAC WLBZ WMAL WMT
WORC WPG WREC WTAR WWNC WXYZ

3:30-4:00 Evening Stars
WEAF CKGW KGO KOA KPRC KSD
KSL KSTP KTHS KYW WAPI WBAP
WBEN WCAE WEBC WEEI WFI WFJC
WFLA WGY WHAS WHO WIOD WJAX
WJDX WKY WMC WOAI WOC WPTF
WRC WRVA WSAI WSB WSM WSMB
WSUN WTAG WTAM WWJ

5:00-5:30 Asbury Park Casino Orchestra
WABC KFH KFJF KLRA KLZ KRLL
KSCJ WAIU WBCM WBRC WCAO WCCO
WDAY WDOD WFAN WFBL WGR WHP
WISN WLBW WMAL WMT WREC WSPD
WTAR WWNC WXYZ

6:15-6:25 Bernie Cummins and His Orchestra
WJZ KFAB KGO KGW KOA KSTP
KTAR WSM

7:00-7:15 Crockett Mountaineers
WABC KFJF KFPY KFRC KHJ KLZ
KOL KSCJ KVI WAIU WBCM WBRC
WCAU WDAY WDBJ WDOD WFBM WHEC
WIBW WISN WJAS WKRC WLBW WLBZ
WMAL WMT WNAX WORC WREC WSPD
WTAR WWNC

7:15-7:30 Rhythm Ramblers
KFJF KFPY KFRC KLRA KLZ KSCJ
WAIU WBCM WBRC WDBJ WDOD WFBM
WIBW WISN WJAS WKBW WLBW WMAL
WMT WNAX WORC WTAR WWNC WXYZ

7:30-7:45 Evangeline Adams, Astrologer
WABC CFRB KFJF KLRA KMBC KMOX
KOIL KTRH WADC WAIU WBRC WBT
WCAO WCAU WCCO WDBJ WDOD WDSU
WEAN WFBL WFBM WGST WHEC WHK
WISN WKBW WKRC WLBZ WLBW WMAL
WMAQ WNAX WREC WRV WSPD WTAR
WWNC WXYZ

7:45-8:00 Back of the News in Washington
WEAF KECA KFSD KGO KGW KOA
KOMO KSD KSL WAPI WCAE WDAF
WFJC WGY WHO WIBO WKY WOC
WOW WRC WRVA WSAI WSM WTAG

7:45-8:00 Eskimo Pie Program
WABC CKAC KMBC KMOX KRLL WBRC
WBT WCAO WCAU WCCO WGST WHEC

8:30-9:00 Burbig's Syncopated History
WABC KFH KFJF KFPY KFRC KLRA
KRLL KSCJ WADC WBCM WDAY WDBJ
WDOD WEAN WFBL WFBM WGR WHEC
WIBW WISN WJAS WLAC WMAL WMAQ
WMT WNAX WNAX WORC WPG WREC
WSPD WTAR WWNC WXYZ

8:30-9:00 Luden Balalaika Orchestra
WJZ CKGW KDKA KWK KYW WBZ
WBZA WHAM WREN

8:30-9:00 Mobiloil Concert
WEAF KOA KPRC KSD KSL KVOO
WCAE WCHS WDAF WEBC WEEI WFAA
WFJC WGN WBEN WGY WHO WJAR
WKY WLIT WOAI WOC WOW WRC
WSAI WTAG WTAM WTIC WWJ

9:00-9:30 Halsey, Stuart Program
WEAF CKGW KFI KGO KGW KHQ
KOA KOMO KPRC KSD KSL KSTP
KVOO KYW WCAE WCHS WEEI WLIT
WGY WHAS WHO WJAR WJAX WRVA
WMC WOAI WOC WOW WRC WTMJ
WSAI WSB WSM WSMB WTAG WWJ

9:30-10:00 Gold Medal Fast Freight
WABC KDYL KFBK KFH KFJF KFPY
KFRC KHJ KLZ KMBC KMOX KOIL
KOLN KOL KRLL KSCJ WADC WBBM
WBT WCAO WCAU WCCO WDBJ WEAN
WFBL WFBM WHK WISN WJAS WKBW
WKRC WLAC WLAP WLBW WMAL WNAC
WOWO WPG WREC WSPD WTAR WXYZ

9:30-10:30 Camel Pleasure Hour
WJZ KDKA KWK KYW WBZ WBZA
WHAM WJR WLW WREN WRVA WSJS

9:30-10:30 Palmolive Hour
WEAF KECA KGO KGW KHQ KOA
KOMO KPRC KSD KSL KSTP KVOO
WAPI WCAE WCHS WDAF WEEI WFAA
WGN WBEN WGY WHAS WHO WJAR
WJAX WLIT WMC WOAI WOC WOW
WRC WSAI WSB WSM WSMB WTAG
WTIC WTMJ WWJ

10:00-10:30 La Palina Smoker
WABC KMBC KMOX KOIL WADC WBBM
WBT WCAO WCAU WCCO WEAN WFBL
WHK WISN WJAS WKBW WKRC WLBW
WMAL WNAC WOWO WPG WREC WSPD

10:30-11:00 Detroit Symphony Orchestra
WABC KFH KFJF KFPY KLRA KMBC
KOIL KSCJ WADC WBCM WBRC WCAO
WCAU WCCO WDAY WDBJ WDOD WEAN
WFBL WFBM WGR WHEC WIBW WISN
WJAS WKBW WKRC WLAC WMAL WMAQ
WMT WNAX WNAX WORC WPG WREC
WSPD WTAR WWNC WXYZ

10:30-11:00 Coca Cola Program
WEAF CKGW KECA KFSD KGO KGW
KHQ KOA KOMO KPRC KSD KSL
KSTP KTHS KVOO KYW WAPI WCAE
WCHS WDAF WEBC WEEI WBEN WGY
WHAS WHO WIOD WJAR WJAX WJDX
WKY WLIT WMC WOAI WOC WOW
WRC WRVA WSAI WSB WSMB WTAG
WTAM WTIC WWJ

11:00-11:30 Vincent Lopez and His Orchestra
 WFAF KOA KSD KSTP WCAE WDAF
 WFJC WFLA WGY WHAS WHO WIOD
 WJDX WLIT WMC WOC WOW WRC
 WSAI WSB WSM WSBM WSUN WTAM
 WWJ

11:30-12:00 California Melodies
 WABC KPH KFPY KHJ KMBC KSCJ
 WBCM WBRC WCAO WCCO WDBJ WDOD
 WEAN WFBM WHEC WHK WLBW WISN
 WKBN WKRC WLBW WMAL WMT WNAC
 WNAX WORC WREC WTAR WWNC WXYZ

Thursday

9:45-10:00 Our Daily Food
 WFAF CKGW KPRC KSD KVOO WAPI
 WBAP WBEN WCAE WCSH WDAF WEBC
 WFLA WGY WHAS WHO WIOD WJAR
 WJDX WKY WLW WMC WOAI WOC
 WPTF WRC WRVA WSAI WSB WSM
 WSBM WSUN WTAG WTAM WTMJ WWJ

16:00-10:15 Ceresota Program
 WFAF KSTP KYW WBEN WCAE WCSH
 WFI WGY WJAR WRC WRVA WSAI
 WTAG WTAM WWJ

10:45-11:00 The Manhattans
 WJZ KDKA KFAB KWK WHAM WIBO
 WLW WREN WSBM

4:30-5:00 Melody Magic
 WABC KDYL KFJF KFPY KFRC KLZ
 KMBC KMOX KOL KRLD KSCJ KVI
 WADC WAIU WBCM WBRC WCAO WCCO
 WDAY WDBJ WDOD WEAN WFAN WHP
 WIBW WISN WLAC WMAL WMT WNAC
 WORC WOW WPG WREC WTAR WWNC
 WXYZ WGR

4:45-5:30 In the Spotlight
 WFAF KFSD KGO KOA KOMO KSD
 KTAR WCAE WBEN WHAS WHO WJAR
 WKY WOC WRC WSAI WSM WSBM
 WTAG WTAM WTTIC

5:30-5:45 The Toddy Party
 WFAF CKGW KSD KYW WCAE WCSH
 WEI WFJC WBEN WGY WJAR WLIT
 WRC WSAI WTAG WTTIC WWJ

7:00-7:30 Mid-Week Federation Hymn Sing
 WFAF KOA WHAS WHO WIBO WJAR
 WMC WOC WWJ

7:30-8:00 Ward's Tip Top Club
 WABC KMOX WCAO WCAU WEAN WFBL
 WHK WJAS WKBN WNAC WXYZ

8:00-9:00 Fleischmann Hour—Rudy Vallee
 WFAF CKGW KECA KGO KGW KHQ
 KOA KOMO KPRC KSD KSL KSTP
 KTAR KTHS WAPI WBAP WCAE WCSH
 WDAF WEBC WEI WFI WFJC WGN
 WBEN WGY WHAS WHO WIOD WJAR
 WJAX WJDX WKY WMC WOAI WOC
 WOW WPTF WRC WRVA WSAI WSB
 WSM WSBM WTAG WTAM WTMJ WWJ

8:00-9:00 Lucky Strike Orchestra
 WJZ KDKA KFAB KWK KYW WBAL
 WHAM WJR WREN

8:15-8:30 Voice of Columbia
 WABC KPH KFPY KLRA KMBC KMOX
 KSCI WADC WBCM WBRC WCCO WDAY
 WDBJ WDOD WFBL WFBM WGR WHEC
 WIBW WISN WJAS WKRC WLAC WLBW
 WMAL WMT WNAX WORC WPG WREC
 WSPD WTAR WWNC WXYZ

8:30-8:45 Kaltenborn Edits the News
 WABC KMBC KMOX KOIL WADC WBT
 WCAO WCAU WCCO WEAN WFBL WJAS
 WKBW WKRC WLBW WMAL WMAQ WNAC
 WOW WPG WSPD WXYZ

8:45-9:00 The Hamilton Watchman
 WABC KMBC KMOX KOIL WADC WCAO
 WCAU WEAN WFBL WHK WJAS WJJD

WKBW WKRC WLBW WMAL WNAC WOWO
 WSPD WXYZ

9:00-9:30 Van Heusen Program
 WABC KMBC KMOX KOIL KRLD WADC
 WBEM WBT WCAO WCAU WCCO WDSU
 WEAN WFBL WGST WHEC WHK WHP
 WJAS WKBW WKRC WLBW WMAL WNAC
 WOWO WPG WSPD WXYZ

9:00-9:30 Arco Birthday Party
 WFAF CKGW KECA KGO KGW KHQ
 KOA KOMO KSD KSL KSTP KYW
 WAPI WBAP WCAE WCSH WDAF WEBC
 WEI WFI WFJC WBEN WGY WHO
 WIOD WJAR WJAX WJDX WKY WMC
 WOAI WOC WOW WPTF WRC WRVA
 WSAI WSB WSM WSBM WTAG WTMJ
 WWJ

9:00-9:30 Knox-Dunlap Orchestra
 WJZ KDKA KWK WBAL WBZ WBZA
 WCKY WHAM WIBO WREN

9:30-10:00 Jack Frost's Melody Moments
 WFAF WCAE WCSH WFI WBEN WGY
 WIBO WJAR WRC WSAI WTAG WTAM
 WWJ

9:30-10:00 Maxwell House Ensemble
 WJZ KDKA KECA KGO KGW KHQ
 KOA KOMO KPRC KSL KSTP KWK
 KYW WAPI WBAL WBAP WBZ WBZA
 WEBC WHAM WHAS WIOD WJAX WJR
 WKY WLW WMC WOAI WPTF WREN
 WRVA WSB WSM WSBM WTMJ

9:30-10:00 Detective Story Magazine
 WABC KMBC KMOX KOIL WADC BBBM
 WCAO WCAU WEAN WFBL WHK WJAS
 WKBW WKRC WLBW WMAL WNAC WOWO
 WSPD WXYZ

10:00-10:30 Lutheran Laymen League Program
 WABC KDYL KFPY KFRC KHJ KLZ
 KMOX KOIL KOIN KOL KRLD WADC
 WBEM WCAO WCAU WCCO WDSU WEAN
 WFBL WHK WJAS WKBW WKRC WLBW
 WMAL WMT WNAC WOWO WSPD WXYZ

10:00-11:00 Victor Herbert Opera Series
 WJZ CKGW KDKA KWK WBAL WBZ
 WBZA WHAM WREN

10:00-11:00 RCA Hour
 WFAF CKGW KFI KGO KGW KHQ
 KOA KOMO KPRC KSD KSL KSTP
 KTHS KYW WAPI WCAE WCSH WDAF
 WEBC WEI WFAA WFI WFJC WFLA
 WBEN WGY WHAS WIOD WJAR WJAX
 WJDX WKY WMC WOAI WOC WRC
 WRVA WSAI WSB WSM WSBM WSUN
 WTAG WTAM WTMJ WWJ

10:30-11:00 Paul Whiteman and His Orchestra
 WABC KFPY KLRA KMBC KMOX KOIL
 KSCJ WADC WBCM WBRC WCCO WDAY
 WDBJ WDOD WEAN WFAN WBLR WFBM
 WHEC WHP WIBW WISN WJAS WKRC
 WLAC WLBW WMAL WMT WNAC WNAX
 WORC WREC WSPD WTAR WWNC WXYZ

11:00-11:15 Palais d'Or Orchestra
 KSD KSTP WBEN WCAE WFI WHO
 WJDX WOC WOW WRC WSAI WSM
 WSBM WWJ

11:30-12:00 Ted Fiorito and His Orchestra
 WABC KPH KFPY KLRA KMBC KMOX
 KOIL KOL WBCM WBRC WCAO WCCO
 WDAY WDBJ WDOD WEAN WFBL WFBM
 WHEC WHP WIBW WISN WKRC WLBW
 WMAL WMT WNAC WNAX WORC WPG
 WREC WSPD WTAR WWNC WXYZ

11:30-11:45 Duke Ellington and His Orchestra
 WFAF CKGW KSD KSTP WDAF WFI
 WFJC WJDX WOW WRC WWJ

Friday

11:00-12:00 NBC Music Appreciation Hour

WEAF WJZ CKGW KDKA KFAB KOA
 KPRC KSD KSL KSTP KVOO KWK
 KYW WAPI WBAL WBZ WBZA WCAE
 WCSH WDAF WECB WEEI WENR WFAA
 WFLA WGN WWJ WGY WHAM WHAS
 WHO WIBO WIOD WJAR WJAX WJDX
 WJR WKY WLIT WLW WMC WOAI
 WOC WOW WPTF WRC WREN WRVA
 WSAI WSB WSM WSMB WSUN WTAG
 WTAM WTMJ

1:00-2:00 Palais d'Or Orchestra

WEAF KSD KYW WGY WHO WOC
 WRC WTAM WTMJ

7:15-7:30 Ozzie Nelson and His Orchestra

KJFJ KFPY KFRC KLRA KSCJ WBCN
 WBRC WCCO WDBJ WDOJ WEAN WFBM
 WGR WHP WISN WJAS WLBW WMT
 WORC WSPD WJAR WWNC WXYZ

7:45-8:00 Brownbilt Footlites

WJZ KDKA KFAB KOA KSL KWK
 WAPI WBZ WBZA WECB WFLA WHAS
 WIBO WIOD WJAX WJDX WMC WOAI
 WPTF WREN WRVA WSB WSM WSMB
 WSUN WTMJ

8:00-8:30 Nestle's Program

WJZ KDKA KFAB KWK WBZ WBZA
 WHAM WIBO WJR WLW WREN

8:00-9:00 Cities Service Concert Orchestra

WEAF CKGW KECA KGO KGW KHQ
 KOA KOMO KPRC KSD KSL KSTP
 KYW WCAE WCSH WDAF WECB WEEI
 WFAA WBEN WHO WJAR WKY WLIT
 WOAI WOC WOW WRC WSAI WTAG
 WTAM WTC WTMJ WWJ

8:15-8:30 Grand Opera Miniatur-

WABC KDYL KFH KJFJ KFPY KFRC
 KHJ KLZ KMBC KRLD KSCJ KVI
 WADC WAU WBCN WDAY WDBJ WDOD
 WHEC WHP WHW WISN WJAS WKRC
 WLAC WLBW WLBZ WMAL WMAQ WMT
 WNAX WORC WREC WSPD WJAR WWNC
 WXYZ WGR

8:30-9:00 Weed Tare Chain Program

WABC KJFJ KMBC KMOX KOIL KRLD
 WADC WCAO WCAU WCCO WEAN WFBL
 WJAS WKBW WKRC WLBW WMAL WMAQ
 WNAC WOWO WSPD WXYZ

8:45-9:00 Natural Bridge Revue

WJZ KDKA KFAB KWK WBZ WBZA
 WFLA WHAM WIBO WIOD WJAX WLW
 WREN WRVA WSUN

9:00-9:30 Interwoven Pair

WJZ CKGW KDKA KECA KFSD KGO
 KGW KHQ KOA KOMO KPRC KSL
 KSTP KTAI KWK KYW WAPI WBZ
 WBZA WCKY WECB WFAA WHAM WHAS
 WIOD WJAX WJR WKY WLW WMC
 WOAI WREN WRVA WSB WSM WSMB
 WTAM WTMJ

9:00-9:30 Cliquot Club Eskimos

WEAF KSD WCAE WCSH WDAF WEEI
 WBEN WGY WHO WIBO WJAR WLIT
 WOC WOW WRC WSAI WTAG WTC
 WWJ

9:00-10:00 True Story Hour

WABC KMBC KMOX KOIL WADC WCAO
 WCAU WEAN WFBL WHK WJAS WKBW
 WKRC WLBW WMAL WMAQ WNAC WOWO
 WSPD WXYZ

9:30-10:00 Del Lampe's Eversharp Orchestra

WEAF KSD WCAE WCSH WDAF WEEI
 WFJC WGN WBEN WGY WHO WJAR
 WLIT WOC WOW WRC WSAI WTAG
 WTC WWJ

9:30-10:00 Armour Program

WJZ KDKA KFI KGO KGW KHQ
 KOA KOMO KSL KSTP KWK KYW
 WAPI WBZ WBZA WECB WFAA WHAM
 WHAS WIOD WJAX WJDX WJR WKY
 WLW WMC WOAI WPTF WREN WRVA
 WSB WSM WSMB WTMJ

10:00-10:30 Crime Prevention Program

WEAF KSD WCAE WCSH WJAR WRC
 WTAG

10:00-10:30 Armstrong Quakers

WJZ KDKA KFI KGO KGW KHQ
 KOA KOMO KPRC KSL KSTP KWK
 KYW WBAP WBZ WBZA WCKY WECB
 WHAM WHAS WJR WKY WMC WOAI
 WREN WSB WSMB WTMJ

10:00-10:30 Radio Fellies, Guy Lombardo

WABC KDYL KJFJ KFPY KFRC KHJ
 KLZ KMBC KMOX KOIL KOIN KOL
 KVI WADC WBT WCAO WCAU WCCO
 WDSU WEAN WFBL WGST WHEC WHK
 WHP WJAS WKBW WKRC WMAL WMAQ
 WNAC WORC WOWO WPG WRR WSPD
 WJAR WXYZ

10:30-10:45 Wrigley Football Program

WABC KMBC KMOX KOIL WADC WBBM
 WBT WCAO WCAU WEAN WFBL WHK
 WJAS WKBW WKRC WLBW WMAL WNAC
 WOWO WPG WSPD WXYZ

10:30-11:00 RKO Theatre of the Air

WEAF KFI KFSD KGO KGW KHQ
 KOA KOMO KSD KSL KTAI KTHS
 WCAE WCSH WDAF WEEI WFJC WFLA
 WBEN WGY WHO WIBO WIOD WJAR
 WJAX WJDX WKY WLIT WLW WMC
 WOAI WOC WOW WRC WRVA WSAI
 WSB WSMB WSUN WTAG WTAM WWJ

10:45-11:00 Phoenix Hosiery Program

WABC KDYL KFPY KFRC KLZ KMBC
 KMOX KMX KOIL KOIN KOL WBBM
 WCAO WCCO WDSU WEAN WGST WHK
 WJAS WKBW WKRC WLAC WNAC WRR
 WXYZ

11:00-11:30 Will Osborne and His Orchestra

WABC KDYL KFH KJFJ KFPY KLZ
 KMBC KOL WBCM WBRW WCAO WDAY
 WDBJ WDOD WBW WISN WLBW WLBZ
 WMAL WMT WNAX WORC WREC WSPD
 WJAR WWNC WXYZ

11:00-12:00 Vincent Lopez and His Orchestra

WEAF CKGW KOA KSD KSTP WCAE
 WDAF WFJC WGY WHAS WHO WJDX
 WLIT WMC WOC WOW WRC WSB
 WSM WSMB WTC WWJ

11:30-12:00 Romanelli and His Orchestra

WABC KDYL KFH KJFJ KFPY KLZ
 KMBC KMOX KOL WBCM WBRW WCAO
 WCCO WDAY WDBJ WDOD WEAN WHK
 WBW WISN WKRC WLBW WLBZ WMAL
 WMT WNAC WNAX WORC WREC WSPD
 WJAR WWNC WXYZ

Saturday

10:30-11:00 New World Salon Orchestra

WABC KDYL KJFJ KMBC KRLD KSCJ
 WADC WAU WBCM WCAO WCAU WDAY
 WDBJ WDOD WEAN WFBM WHEC WHK
 WISN WJAS WKBW WLAC WLBZ WMAL
 WMT WNAC WREC WNNC WXYZ

1:30-2:00 Savoy Plaza Orchestra

WABC KLRA WADC WBCM WBRW WCAO
 WDBJ WDOD WEAN WFBL WGR WHP
 WJAS WKRC WLAC WMAL WSPD WJAR
 WWNC WXYZ

4:30-5:00 **The Marionettes**
WEAF KGO KOA KTAR WBNB WCAE
WGY WRC

5:00-5:45 **Warwick Hotel Orchestra**
WABC KFH KFPY KLRA KLZ KMBC
KMOX KSCJ WAIU WBCM WBRW WCAO
WCCO WDAY WDOD WFAN WFBL WGR
WHP WISN WJAS WLBW WMAL WMT
WPG WREC WSPD WTAR WWNC WXYZ

5:30-6:00 **Blue Aces**
WJZ KWK WHAM WHAS WMC WSB
WSMB

6:00-6:15 **The Jameses**
WEAF CKGW KGO KGW KOA KSD
KTAR WCAE WFI WGY WHAS WJAR
WMC WOV WRC WWJ

6:00-6:15 **Tom, Dick and Harry**
WABC KDYL KFH KFJF KFPY KLZ
KMOX KRLD KSCJ WADC WAIU WBCM
WBRW WCCO WDAY WDBJ WDOD WFAN
WHBC WHK WHP WLBW WISN WKBW
WLBW WMT WREC WTAR WWNC WGR

6:15-6:40 **Smith Ballew and His Orchestra**
WJZ KFAB KWK WBZ WBZA

7:05-7:30 **Whyte's Orchestra**
WEAF KGO KGW KOA KSD WFI
WGY WJAR WVIC WWJ

7:15-7:30 **Tastyest Jesters**
WJZ KDKA WBAL WBZ WBZA WCKY
WHAM WREN

7:30-8:00 **Necco Surprise Party**
WABC WEAN WFBL WHEC WKBW WLBZ
WNAC WORC

7:30-8:00 **Silver Flute**
WEAF CKGW KSD KSTP WCSH WDAF
WIBC WEEI WFI WBNB WHO WJAR
WOC WOV WRC WSAI WTAG WWJ

7:45-8:00 **Pickard Family**
WJZ CKGW KDKA KFAB KWK KYW
WBZ WBZA WHAM WLW WREN

8:00-8:15 **Dixies Circus**
WJZ KDKA KPRC KSTP KVOO KYW
WBAL WBZ WBZA WHAM WKY WLW
WOAI

8:00-8:30 **Salon Singers**
WEAF KSD WCAE WCSH WDAF WEEI
WFI WBNB WGY WHO WIOD WJAR
WJAX WOC WOV WRC WSAI WSMB
WTAG WWJ

8:15-8:30 **Rin-Tin-Tin Thriller**
WJZ KDKA KFAB KWK KYW WBAL
WBZ WBZA WHAM WLW WREN

8:15-8:30 **Dixie Echoes**
WABC KDYL KFH KFJF KFPY KHJ
KMBC KSCJ WADC WBCM WCAO WDAY
WDBJ WDOD WFAN WHK WIBW WISN
WJAS WKBW WKRC WLAC WLBW WLBZ
WMAL WMT WNAX WORC WOWO WREC
WSPD WTAR WWNC WXYZ WGR

8:30-8:45 **Dancing Yesterdays**
WABC KFH KFJF KFPY KPRC KLRA
KMBC KOIL KSCJ WADC WBCM WCAO
WCAU WDBJ WDOD WEAN WFBL WGR
WIBW WISN WJAS WKRC WLAC WLBW
WMAL WMT WNAC WNAX WORC WPG
WSPD WTAR WWNC WXYZ

8:30-9:00 **Fuller Man**
WJZ CKGW KDKA KECA KFAB KGO
KGV KHQ KOA KOMO KPRC KWK
WBAL WBZ WBZA WHAM WIBO WJR
WKY WLW WREN

8:45-9:00 **Wallace Silversmiths**
WABC KMBC KMOX WBT WCAU WCCO

WDSU WJAS WMAL WMAQ WNAC WRR
WXYZ

9:00-9:30 **Carborundum Hour**
WABC KMOX WCAU WHK WKBW WMAQ
WNAC WXYZ

9:00-10:00 **General Electric Hour**
WEAF KFI KFSD KGO KGW KHQ
KOA KOMO KPRC KSD KSL KSTP
KTAR WAPI WBAW WCAE WCSH WDAF
WEBC WEEI WFI WBNB WHAS WHO
WIBO WJAX WJAX WKY WMC WOAI
WOC WOV WRC WRVA WSAI WSB
WSMB WTAG WTAM WTMJ WWJ

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

9:30-10:00 **Columbia Educational Features**
WABC KFH KFJF KFPY KHJ KLRA
KLZ KMBC KOIL KOL KSCJ WADC
WBCM WCAO WCAU WCCO WDBJ WDOD
WEAN WFBL WFBM WHP WIBW WISN
WJAS WKBW WKRC WLAC WLBW WMAL
WMAQ WMT WNAC WNAX WORC WSPD
WTAR WWNC WXYZ

10:00-11:00 **Lucky Strike Orchestra**
WEAF KFI KFSD KGO KGW KHQ
KOA KOMO KPRC KSD KSL KSTP
KTAR KVOO WAPI WCAE WCSH WDAF
WEBC WEEI WFAA WFI WFJC WFLA
WGN WBNB WGY WHAS WHO WIOD
WJAR WJAX WJDX WKY WMC WOAI
WOC WOV WRC WRVA WSAI WSB
WSMB WSUN WTAG WTMJ WWJ

10:00-11:00 **Hank Simmons' Show Boat**
WABC KDYL KFH KFJF KFPY KFRC
KHJ KLZ KMBC KMOX KOL KSCJ
WADC WBCM WCAO WCAU WCCO WDAY
WDBJ WDOD WEAN WHK WHP WIBW
WISN WJAS WKBW WKRC WLAC WLBW
WLBZ WMAL WMAQ WMT WNAC WNAX
WORC WOWO WPG WREC WSPD WTAR
WWNC WXYZ

10:00-11:00 **Chicago Civic Opera**
WJZ KDKA WBAL WBZ WBZA WHAM

11:00-11:15 **Troubadour of the Moon**
WEAF KSTP WDAF WFI WHO WIOD
WJDX WOC WOV WRC WSAI WTAM
WWJ

11:00-11:30 **Jack Denny and His Orchestra**
WABC KDYL KFJF KFPY KFRC KLZ
KMBC KOL KRLD KSCJ WBCM WBRW
WCAO WDAY WDBJ WDOD WEAN WFAN
WFBM WHEC WHK WHP WIBW WISN
WLBW WLBZ WMAL WMT WNAC WNAX
WORC WPG WREC WSPD WTAR WWNC
WXYZ

11:15-12:00 **Bernie Cummins and His Orchestra**
WEAF CKGW KOA KSD KSTP WCAE
WDAF WFI WFJC WGY WHO WJDX
WMC WOC WOV WRC WSB WSMB
WTAM WTMJ WWJ

11:30-12:00 **Guy Lombardo and His Orchestra**
WABC KFJF KFPY KFRC KLZ KMBC
KMOX KOL KRLD KSCJ WBCM WBRW
WCAO WCAU WCCO WDAY WDBJ WDOD
WFBM WHEC WHK WHP WIBW WISN
WKRC WLBW WLBZ WMAL WMT WNAC
WNAX WORC WPG WREC WSPD WTAR
WWNC WXYZ

12:00-1:00 **Rudy Vallee and his Orchestra**
WEAF KOA KSD KSTP WDAF WFJC
WJDX WRC WSB WWJ

INDEX BY FREQUENCIES AND DIAL NUMBERS

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KEY

Frequency in kilocycles. Wave lengths in meters. Second column symbols: * Verifies receptions 2c; sends station stamp 10c; † Verifies 2c; no stamp; ‡ Does not verify; § Did not reply. Third column shows night power in watts. Fourth column symbols: D, daytime only; S, Sunday only; Stations dividing time have same small figures; X means station has been granted permit to increase power; + means station has greater power during day; CP indicates station has construction permit only; Some Cuban and Mexican stations have odd frequencies; Correct kilocycles shown in small figures; N means NBC chain; C means Columbia chain; Z has been granted permit to change frequency; Y given permit to move to another city. Dn—This daylight station may use evening hours under certain conditions.

540 kilocycles 555.6 meters

| | | | | |
|-----|----|-----|-----|-------------------|
| CKX | † | 500 | --- | Brandon, Manitoba |
| XFA | -- | 50 | --- | Mexico City |

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Manitoba Telephone System
Sria. de Agricultura y Fomento

550 kilocycles 545.1 meters

| | | | | |
|------|----|------|-----|------------------|
| KFDY | † | 500 | 1+ | Brookings, S. D. |
| KFUO | * | 500 | 2+ | St. Louis, Mo. |
| KFYR | § | 500 | 1+ | Bismarck, N. D. |
| KOAC | -- | 1000 | --- | Syracuse, Ore. |
| KSD | -- | 500 | 2N | St. Louis, Mo. |
| WGR | * | 1000 | C | Buffalo, N. Y. |
| WKRC | -- | 1000 | C | Cincinnati, Ohio |
| KEY | -- | 105 | 547 | Merida, Yucatan |

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S. D. State College
Concordia Theological Seminary
Meyer Broadcasting Co.
State Agricultural College
Pulitzer Publishing Co.
Buffalo Broadcasting Co.
WKRC Incorporated
Partido Socialista del Sureste

560 kilocycles 535.4 meters

| | | | | |
|------|----|------|-----|---------------------|
| KFDM | -- | 500 | X+ | Beaumont, Texas |
| KLZ | * | 1000 | C | Denver, Colo. |
| KTAB | -- | 1000 | --- | San Francisco, Cal. |
| WFI | -- | 500 | 1N+ | Philadelphia, Pa. |
| WIBO | -- | 1000 | 3+N | Chicago, Ill. |
| WLIT | -- | 500 | 1N | Philadelphia, Pa. |
| WNOX | -- | 1000 | X+ | Knoxville, Tenn |
| WPCC | -- | 500 | 3S | Chicago, Ill. |
| WQAM | * | 1000 | C | Miami, Fla. |

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Magnolia Petroleum Co.
Reynolds Radio Co., Inc.
Associated Broadcasters
Strawbridge & Clothier
Nelson Bros. Bond & Mortgage Co.
Lit Brothers
Sterchi Bros.
North Shore Congregational Church
Miami Broadcasting Co.

570 kilocycles 526.0 meters

| | | | | |
|------|----|------|-----|----------------------|
| KGKO | * | 250 | + | Wichita Falls, Texas |
| KMTR | * | 500 | --- | Los Angeles, Cal. |
| KXA | * | 500 | --- | Seattle, Wash. |
| WEO | † | 750 | 1 | Columbus, Ohio |
| WKBN | -- | 500 | 1C | Youngstown, Ohio |
| WMAC | -- | 250 | 2 | Syracuse, N. Y. |
| WMCA | -- | 500 | 3 | New York City |
| WNAX | -- | 1000 | C | Yankton, S. D. |
| WNYC | -- | 500 | 3 | New York City |
| WSYR | -- | 250 | 2 | Syracuse, N. Y. |
| WWNC | * | 1000 | C | Asheville, N. C. |

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Wichita Falls Broadcasting Co.
KMTR Radio Corp.
American Radio Tel. Co.
Ohio State University
W. P. Williamson, Jr.
Clive B. Meredith
Knickerbocker Broadcasting Co., Inc.
Gurney Seed & Nursery Co.
Dept. of Plants and Structures
Clive B. Meredith
Citizens Broadcasting Co., Inc.

580 kilocycles 516.9 meters

| | | | | |
|------|----|-----|-----|--------------------|
| CFCL | -- | 500 | 3S | Toronto, Ont. |
| CHMA | -- | 250 | 4 | Edmonton, Alta. |
| CKCL | -- | 500 | 3 | Toronto, Ont. |
| CKNC | * | 500 | 3 | Toronto, Ont. |
| CKUA | -- | 500 | 4 | Edmonton, Alta. |
| KGFX | -- | 200 | D | Pierre, S. D. |
| KSAC | -- | 500 | 2+ | Manhattan, Kans. |
| WIBW | * | 500 | 2+C | Topeka, Kansas |
| WOBU | -- | 250 | 1 | Charleston, W. Va. |
| WSAZ | -- | 250 | 1 | Huntington, W. Va. |
| WTAG | * | 250 | N | Worcester, Mass. |

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Dominion Battery Co.
Christian and Missionary Alliance
The Dominion Battery Co.
Canadian National Carbon Co., Ltd.
University of Alberta
Dana McNeil
State Agricultural College
Topeka Broadcasting Assn., Inc.
WOBU, Inc.
WSAZ, Inc.
Telegram Publishing Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

680 kilocycles 440.9 meters

KFEQ * 2500 D St. Joseph, Mo.
 KPO † 5000 N San Francisco, Cal.
 WPTF * 1000 N Dn Raleigh, N. C.

Scroggin & Co., Bank
 Hale Bros. & The Chronicle
 Durham Life Insurance Co.

690 kilocycles 434.5 meters

CFAC -- 500 1 Calgary, Alta.
 CFNC -- 500 1 Calgary, Alta.
 CHCA -- 500 1 Calgary, Alta.
 CJCJ -- 500 1 Calgary, Alta.
 CJSC -- 5000 4 Toronto, Ont.
 CKGW -- 5000 2N Toronto, Ont.
 CNRC -- 500 1 Calgary, Alta.
 CPRY -- 5000 2N Toronto, Ont.
 NAA -- 1000 Arlington, Va.
 VAS -- 10000 685 Louisburg, N. S.

The Calgary Herald
 Western Broadcasting Co.
 The Western Farmer
 Albertan Publishing Co., Ltd.
 The Evening Telegram
 Gooderham & Worts, Ltd.
 Canadian National Railways
 Canadian Pacific Railways
 U. S. Navy
 Canadian Marconi Co.

700 kilocycles 428.3 meters

WLW * 5000 N Cincinnati, Ohio
 XEZ -- 500 697 Mexico City, Mex.

Crosley Radio Corp.
 Joaquin Zamacona

710 kilocycles 422.3 meters

KMPC -- 500 Dn Los Angeles, Cal.
 WOR -- 500 --- Newark, N. J.

R. S. MacMillan
 Bamberger Broadcasting Service, Inc.

720 kilocycles 416.4 meters

WGN -- 25000 N Chicago, Ill.
 XEN † 1000 --- Mexico City
 8WMC -- 500 722 St. Johns, N. F.

Chicago Tribune
 Compania Civil de Inversiones Urbanas
 Wesley United Church

730 kilocycles 410.7 meters

CHLS -- 50 1 Vancouver, B. C.
 CHYC -- 5000 2 Montreal, Que.
 CKAC -- 5000 2C Montreal, Que.
 CKCD -- 50 1 Vancouver, B. C.
 CKFC -- 50 1 Vancouver, B. C.
 CKMO -- 50 1 Vancouver, B. C.
 CKWX † 100 1 Vancouver, B. C.
 CMK -- 2000 --- Havana, Cuba
 CNRM -- 5000 2 Montreal, Que.

W. G. Hassell
 Northern Electric Co., Ltd.
 La Presse Publishing Co., Ltd.
 Vancouver Daily Province
 United Church of Canada
 Sprott-Shaw Radio Co.
 A. Holstead & Wm. Hanlon
 Cuban Broadcasting Co., Hotel Plaza
 Canadian National Railways

740 kilocycles 405.2 meters

KMMJ -- 1000 Dn Clay Center, Neb.
 WSB -- 5000 N Atlanta, Ga.

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

750 kilocycles 399.8 meters

TIX -- 50 --- San Jose, Costa Rica
 WJR † 5000 N Detroit, Mich.

WJR, The Goodwill Station, Inc.

760 kilocycles 394.5 meters

KVI -- 1000 C Dn Tacoma, Wash.
 WEW -- 1000 D St. Louis, Mo.
 WIZ † 30000 N New York City
 XEM -- 500 765 Tampico, Mexico

Puget Sound Broadcasting Co., Inc.
 St. Louis University
 National Broadcasting Co., Inc.
 Herbert A. Denny y Cia.

770 kilocycles 389.4 meters

CMI -- 500 775 Havana, Cuba
 KFAB * 5000 1N Lincoln, Nebr.
 WBBM * 25000 1C Chicago, Ill.
 WJBT -- 25000 1S Chicago, Ill.

Instituto Provincial
 KFAB Broadcasting Co.
 The Atlas Co., Inc.
 The Atlas Co., Inc.

780 kilocycles 384.4 meters

CKY -- 5000 3 Winnipeg, Manitoba
 CNRW -- 5000 3 Winnipeg, Manitoba
 KELW -- 500 2 Burbank, Cal.

Manitoba Telephone System
 Canadian National Railways
 Union Bank & Trust Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

| | | | | |
|------|----|------|-----|-------------------|
| KTM | * | 500 | 2+ | Los Angeles, Cal. |
| WEAN | -- | 250 | +C | Providence, R. I. |
| WISJ | -- | 250 | + | Madison, Wis. |
| WMC | -- | 500 | +N | Memphis, Tenn. |
| WPOR | -- | 500 | 1 | Norfolk, Va. |
| WTAR | * | 500 | 1C | Norfolk, Va. |
| XEW | -- | 5000 | --- | Mexico City |

Pickwick Broadcasting Corp.
Shepard Broadcasting Service, Inc.
Wisconsin State Journal Bdcsg. Co.
Memphis Commercial-Appeal
WTAR Radio Corp.
WTAR Radio Corp.
Mexico Music Co.

790 kilocycles 379.5 meters

| | | | | |
|------|----|-------|-----|---------------------|
| CMHC | -- | 500 | 791 | Tuinucu, Cuba |
| KGO | † | 7500 | N | San Francisco, Cal. |
| WGY | † | 50000 | N | Schenectady, N. Y. |

Frank H. Jones
National Broadcasting Co., Inc.
General Electric Co.

800 kilocycles 374.8 meters

| | | | | |
|------|----|-------|-----|-------------------|
| WBAP | * | 10000 | 1XN | Fort Worth, Texas |
| WFAA | -- | 50000 | 1N | Dallas, Texas |
| XEU | -- | 101 | --- | Veracruz, Mex. |

Carter Publications, Inc.
News & Journal
Natalio Ulibarri

810 kilocycles 370.2 meters

| | | | | |
|------|----|------|---|--------------------|
| WCCO | -- | 7500 | C | Minneapolis, Minn. |
| WPCH | -- | 500 | D | New York City |

Northwestern Broadcasting, Inc.
Eastern Broadcasters, Inc.

820 kilocycles 365.6 meters

| | | | | |
|------|---|-------|---|-----------------|
| WHAS | † | 10000 | N | Louisville, Ky. |
|------|---|-------|---|-----------------|

Courier-Journal & Times

830 kilocycles 361.2 meters

| | | | | |
|------|----|-------|-----|-------------------|
| CMGA | -- | 300 | 834 | Colon, Cuba |
| KOA | † | 12500 | N | Denver, Colo. |
| WHDH | -- | 1000 | D | Boston, Mass. |
| WRUF | * | 5000 | Dn | Gainesville, Fla. |

Leopoldo V. Figueroa
National Broadcasting Co., Inc.
Matheson Radio Co., Inc.
University of Florida

840 kilocycles 356.9 meters

| | | | | |
|------|----|------|-----|-----------------|
| CFCA | † | 500 | 1 | Toronto, Ont. |
| CHCT | -- | 1000 | --- | Red Deer, Alta. |
| CKLK | -- | 1000 | 2-- | Red Deer, Alta. |
| CMC | -- | 500 | --- | Havana, Cuba |
| CNRD | -- | 1000 | 2-- | Red Deer, Alta. |
| CNRT | -- | 500 | 1 | Toronto, Ont. |

Star Publishing & Ptg. Co.
G. F. Tull & Ardern, Ltd.
Alberta Pacific Grain Co., Ltd.
Cuban Telephone Co.
Canadian National Railways
Canadian National Railways

850 kilocycles 352.7 meters

| | | | | |
|------|----|-------|-----|--------------------|
| KWKH | * | 10000 | 1 | Shreveport, La. |
| NBA | -- | 750 | 846 | Balboa, Canal Zone |
| WWL | * | 5000 | 1 | New Orleans, La. |

Hello World Broadcasting Corp.
United States Navy
Loyola University

860 kilocycles 348.6 meters

| | | | | |
|------|----|------|------|-------------------|
| KMO | -- | 500 | + Dn | Tacoma, Wash. |
| WABC | -- | 5000 | XC | New York City |
| WHB | * | 500 | D | Kansas City, Mo. |
| XEJ | -- | 101 | 857 | C. Juarez, Chih. |
| XFX | -- | 500 | --- | Mexico City, Mex. |

KMO, Inc.
Atlantic Broadcasting Corp.
WHB Broadcasting Co.
Juan G. Buttner
Secretaria de Educacion Publica

870 kilocycles 344.6 meters

| | | | | |
|------|----|-------|-----|---------------|
| WENR | -- | 50000 | 1N | Chicago, Ill. |
| WLS | -- | 5000 | 1XN | Chicago, Ill. |

Great Lakes Broadcasting Co.
Agricultural Broadcasting Co.

880 kilocycles 340.7 meters

| | | | | |
|------|----|------|-----|----------------|
| CHCS | -- | 10 | 4 | Hamilton, Ont. |
| CHML | -- | 50 | 4 | Hamilton, Ont. |
| CHRC | -- | 100 | 3 | Quebec, Que. |
| CJCB | -- | 50 | --- | Sydney, N. S. |
| CKCI | † | 22.5 | 3 | Quebec, Que. |
| CKCV | † | 50 | 3 | Quebec, Que. |
| CKOC | -- | 50 | 4 | Hamilton, Ont. |
| CNRQ | † | 50 | 3 | Quebec, Que. |
| KFKA | † | 500 | 2+ | Greeley, Colo. |
| KLX | -- | 500 | --- | Oakland, Cal. |

The Hamilton Spector
Maple Leaf Radio Co., Ltd.
E. Fontaine
N. Nathanson
Le "Soleil," Ltd.
G. A. Vandry
Wentworth Radio & Auto Sply. Co., Ltd
Canadian National Railways
Midwestern Radio Corp.
Tribune Publishing Co.

KCYS.
880
MTRS.
340.7
DIAL

CUT OUT ON DOTTED LINES

INDEX BY FREQUENCIES AND DIAL NUMBERS

| | | | | | |
|------|----|-----|-----|-----------------|------------------------------------|
| KPOF | -- | 500 | 2 | Denver, Colo. | Pillar of Fire, Inc. |
| WCOC | -- | 500 | + | Meridian, Miss. | Mississippi Broadcasting Co., Inc. |
| WGBI | * | 250 | 1 | Scranton, Pa. | Scranton Broadcasters, Inc. |
| WQAN | * | 250 | 1 | Scranton, Pa. | Scranton Times |
| WSUI | * | 500 | --- | Iowa City, Iowa | University of Iowa |

890 kilocycles 336.9 meters

| | | | | | |
|------|-----|-----|-----------------|-------------------|------------------------------|
| CFBO | * | 50 | --- | St. John, N. B. | C. A. Munro, Ltd. |
| CKCO | --- | 100 | --- | Ottawa, Ont. | Dr. G. M. Geldert |
| KFNF | -- | 500 | 2+ | Shenandoah, Iowa | Henry Field Co. |
| KGJF | * | 250 | --- | Little Rock, Ark. | Church of the Nazarene |
| KUSD | * | 500 | 2+ | Vermillion, S. D. | University of South Dakota |
| WGST | -- | 250 | 1+ ^C | Atlanta, Ga. | Georgia School of Technology |
| WILL | * | 250 | 2+ | Urbana, Ill. | University of Illinois |
| WJAR | * | 250 | + ^N | Providence, R. I. | The Outlet Co. |
| WKAQ | -- | 500 | --- | San Juan, P. R. | Radio Corp. of Porto Rico |
| WMAZ | † | 250 | 1+ ⁺ | Macon, Ga. | Junior Chamber of Commerce |
| WMMN | * | 250 | + | Fairmount, W. Va. | Holt-Rowe Novelty Co. |
| XES | † | 500 | --- | Tampico, Mexico | Difusora Portena XES |

900 kilocycles 333.1 meters

| | | | | | |
|------|----|------|-----|---------------------|-------------------------------------|
| CMX | * | 250 | --- | Havana, Cuba | Francisco Lavin |
| KGBU | † | 500 | --- | Ketchikan, Alaska | Alaska Radio & Service Co. |
| KHJ | * | 1000 | C | Los Angeles, Cal. | Don Lee, Inc. |
| KSEI | * | 250 | --- | Pocatello, Idaho | KSEI Broadcasting Association, Inc. |
| WBEN | -- | 1000 | --- | Buffalo, N. Y. | Buffalo Evening News |
| WJAX | * | 1000 | N | Jacksonville, Fla. | City of Jacksonville |
| WKY | * | 1000 | N | Oklahoma City | WKY Radiophone Co. |
| WLBL | * | 2000 | D | Stevens Point, Wis. | Wisconsin Dept. of Markets |

910 kilocycles 329.6 meters

| | | | | | |
|------|----|------|---|------------------|-------------------------------|
| CFQC | -- | 500 | 1 | Saskatoon, Sask. | The Electric Shop, Ltd. |
| CJGC | * | 1000 | 2 | London, Ont. | Free Press Printing Co., Ltd. |
| CNRL | * | 500 | 2 | London, Ont. | Canadian National Railways |
| CNRS | -- | 500 | 1 | Saskatoon, Sask. | Canadian National Railways |

920 kilocycles 325.9 meters

| | | | | | |
|------|----|------|----------------|------------------------|---------------------------------------|
| CMHD | -- | 250 | --- | Caibarien, Cuba | Manuel A. Alvarez |
| HHK | -- | 1000 | --- | Port au Prince, Haiti | Republic of Haiti |
| KFEL | † | 500 | 1 | Denver, Colo. | Eugene P. O'Fallon, Inc. |
| KFXF | * | 500 | 1 | Denver, Colo. | Colorado Radio Corp. |
| KOMO | † | 1000 | N | Seattle, Wash. | Fisher's Blend Station, Inc. |
| KPRC | -- | 1000 | + ^N | Houston, Texas | Houston Printing Co. |
| WAAF | -- | 500 | D | Chicago, Ill. | Drovers Journal Publishing Co. |
| WBSO | -- | 500 | D | Wellesley Hills, Mass. | Babson Statistical Organization, Inc. |
| WWJ | † | 1000 | N | Detroit, Mich. | The Detroit, News |
| XEX | -- | 500 | 923 | Mexico City, Mex. | Excelsior Cia Editorial S. A. |
| XFE | -- | 250 | 923 | Villa Hermosa, Tab. | Gobierno Del Estado d Tobasco |

930 kilocycles 322.4 meters

| | | | | | |
|------|----|-----|-----------------|---------------------|-----------------------------------|
| CJCA | * | 500 | 4 | Edmonton, Alta. | The Edmonton Journal, Ltd. |
| CFRC | -- | 500 | ' | Kingston, Ont. | Queen's University |
| CHNS | * | 500 | --- | Halifax, N. S. | Halifax Herald, Ltd. |
| CKIC | -- | 50 | --- | Wolfville, N. S. | Acadia Academy |
| CKPR | -- | 50 | 3 | Midland, Ont. | Midland Broadcasting Corp. |
| CNRE | -- | 500 | 4 | Edmonton, Alta. | Canadian National Railways |
| CNRH | -- | 500 | --- | Halifax, N. S. | Canadian National Railways |
| KFWI | -- | 500 | 1 | San Francisco, Cal. | Radio Entertainments, Inc. |
| KGBZ | -- | 500 | 2+ | York, Nebr. | Dr. George R. Miller |
| KMA | * | 500 | 2+ | Shenandoah, Iowa | May Seed & Nursery Co. |
| KROW | -- | 500 | 1+ ^X | Oakland, Cal. | Educational Broadcasting Corp. |
| WBRC | -- | 500 | + ^C | Birmingham, Ala. | Birmingham Broadcasting Co., Inc. |
| WDBJ | * | 250 | + ^C | Roanoke, Va. | Richardson-Wayland Elec. Corp. |
| WIBG | -- | 50 | D | Elkins Park, Pa. | St. Pauls P. E. Church |

940 kilocycles 319.0 meters

| | | | | | |
|------|----|------|-----|--------------------|---------------------------|
| KGU | † | 1000 | --- | Honolulu, Hawaii | Marion A. Mulrony |
| KOIN | * | 1000 | C | Portland, Ore. | KOIN, Inc. |
| WAAT | -- | 300 | D | Jersey City, N. J. | Bremer Broadcasting Corp. |
| WCSH | * | 1000 | N | Portland, Maine | Congress Square Hotel Co. |
| WDAY | * | 1000 | C | Fargo, N. D. | WDAY, Inc. |
| WFIW | -- | 1000 | C | Hopkinsville, Ky. | WFIW, Inc. |
| WHA | -- | 750 | D | Madison, Wis. | University of Wisconsin |

INDEX BY FREQUENCIES AND DIAL NUMBERS

950 kilocycles 315.6 meters

| | | | | |
|------|----|------|-----|-------------------|
| CMCQ | -- | 1000 | 955 | Havana Cuba |
| KFWB | * | 1000 | --- | Hollywood, Cal. |
| KGHL | -- | 1000 | --- | Billings, Mont. |
| KMBC | * | 1000 | C | Kansas City, Mo. |
| WRC | † | 500 | N | Washington, D. C. |

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Andres Martinez
Warner Bros. Broadcasting Corp.
Northwestern Auto Supply Co., Inc.
Midland Broadcasting Co., Inc.
National Broadcasting Co., Inc.

960 kilocycles 312.3 meters

| | | | | |
|------|----|-------|-----|-------------------------|
| CFCY | * | 250 | 1 | Charlottetown, P. E. I. |
| CFRB | -- | 4000 | 2C | Toronto, Ont. |
| CHCK | -- | 30 | 1 | Charlottetown, P. E. I. |
| CHWC | -- | 500 | 3 | Pilot Butte, Sask. |
| CJBR | -- | 500 | 3 | Regina, Sask. |
| CKCK | † | 500 | 3 | Regina, Sask. |
| CNRR | -- | 500 | 3 | Regina, Sask. |
| CNRX | -- | 4000 | 2 | Toronto, Ont. |
| XED | -- | 10000 | --- | Reynosa, Mexico |

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The Island Radio Co.
Rogers-Majestic Corp., Ltd.
W. E. Burke
R. H. Williams & Sons. Ltd.
Cooperative Wheat Producers, Ltd.
Leader Publishing Co., Ltd.
Canadian National Railways
Canadian National Railways
International Broadcasting Co., Inc.

970 kilocycles 309.1 meters

| | | | | |
|------|----|------|------|------------------|
| KJR | * | 5000 | --- | Seattle, Wash. |
| XEH | -- | 101 | 964 | Monterrey, N. L. |
| WCFL | -- | 1500 | N Dn | Chicago, Ill. |

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Northwest Broadcasting System, Inc.
Ing. Constantino de Tarnava
Chicago Federation of Labor

KCYS.
1040
MTRS.
288.3
DIAL

980 kilocycles 305.9 meters

| | | | | |
|------|----|-------|-----|-----------------|
| KDKA | -- | 50000 | N | Pittsburgh, Pa. |
| XEO | -- | 101 | 983 | Mexico City |

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Westinghouse Elec. & Mfg. Co.
F. Armida y Cia.

990 kilocycles 302.8 meters

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|------|---|-------|-----|--------------------|
| WBZ | * | 15000 | 1NY | Springfield, Mass. |
| WBZA | * | 500 | 1NY | Boston, Mass. |

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

1000 kilocycles 299.8 meters

| | | | | |
|------|----|------|-----|-------------------|
| KFVD | -- | 250 | Dn | Culver City, Cal. |
| WHO | -- | 5000 | 1N | Des Moines, Iowa |
| WOC | -- | 5000 | 1N | Davenport, Iowa |
| XEI | -- | 101 | 999 | Morelia, Mexico |

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Los Angeles Broadcasting Co.
Central Broadcasting Co.
Central Broadcasting Co.
Carlos Gutierrez M.

1010 kilocycles 296.8 meters

| | | | | |
|------|----|-----|-----|--------------------|
| CFLC | -- | 50 | 3 | Prescott, Ont. |
| CKCR | -- | 50 | 3 | Waterloo, Ont. |
| CMBZ | -- | 150 | --- | Havana, Cuba |
| CMCF | -- | 250 | --- | Havana, Cuba |
| KGGF | -- | 500 | 2 | Coffeyville, Kans. |
| KQW | * | 500 | --- | San Jose, Cal. |
| WHN | -- | 250 | 1 | New York City |
| WIS | -- | 500 | C+ | Columbia, S. C. |
| WNAD | -- | 500 | 2 | Norman, Okla. |
| WPAP | -- | 250 | 1 | New York City |
| WQAO | -- | 250 | 1 | New York City |
| WRNY | -- | 250 | 1 | New York City |

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Radio Association
John Patterson
Manuel y G. Salas
Raul Karmen
Coffeyville Journal
Pacific Agricultural Foundation, Ltd.
Marcus Loew Booking Agency
George T. Barnes, Inc.
University of Oklahoma
Calvary Baptist Church
Calvary Baptist Church
Aviation Radio Station, Inc.

1020 kilocycles 293.9 meters

| | | | | |
|------|----|-------|----|-------------------|
| KFKX | -- | 10000 | 1N | Chicago, Ill. |
| KYW | -- | 10000 | 1N | Chicago, Ill. |
| WRAX | -- | 250 | D | Philadelphia, Pa. |

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Westinghouse Elec. & Mfg. Co.
Westinghouse Elec. & Mfg. Co.
WRAX Broadcasting Co.

1030 kilocycles 291.1 meters

| | | | | |
|------|----|-----|-----|------------------|
| CFCF | -- | 500 | --- | Montreal, Que. |
| CNRV | -- | 500 | --- | Vancouver, B. C. |

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Canadian Marconi Co.
Canadian National Railways

1040 kilocycles 288.3 meters

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|------|-----|-------|------|---------------------|
| KRLD | * | 10000 | 1C | Dallas, Texas |
| KTHS | ‡ | 10000 | 1N | Hot Springs, Ark. |
| WKAR | -- | 1000 | D | East Lansing, Mich. |
| WMAK | --- | 1000 | C Dn | Buffalo, N. Y. |

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KRLD Radio Corp.
Chamber of Commerce
Michigan Agricultural College
Buffalo Broadcasting Corp.

CUT OUT ON DOTTED LINES

INDEX BY FREQUENCIES AND DIAL NUMBERS

1050 kilocycles 285.5 meters

KFKB -- 5000 Dn Milford, Kansas
KNX * 5000 X Hollywood, Cal.

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KFKB Broadcasting Assn., Inc.
Western Broadcast Co.

1060 kilocycles 282.8 meters

KWJJ -- 500 Dn Portland, Ore.
WBAL * 10000 1N Baltimore, Md.
WJAG * 1000 Dn Norfolk, Nebr.
WTIC † 50000 1N Hartford, Conn.

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KWJJ Broadcast Co., Inc.
Consolidated Gas Elec. & Pwr. Co.
Norfolk Daily News
Travelers Broadcasting Service Corp.

1070 kilocycles 280.2 meters

KJBS * 100 D San Francisco, Cal.
WCAZ -- 50 D Carthage, Ill.
WDZ -- 100 D Tuscola, Ill.
WTAM * 50000 N Cleveland, Ohio
XER -- 101 1071 Mexico City

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Julius Brunton & Sons Co.
Superior Broadcasting Service
James L. Bush
National Broadcasting Co., Inc.
F. Armida y Cia

1080 kilocycles 277.6 meters

WBT * 5000 C Charlotte, N. C.
WCBD * 5000 1 Dn Zion, Ill.
WMBT -- 5000 1 Dn Chicago, Ill.

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Station WBT, Inc.
Wilbur Glenn Voliva
Moody Bible Institute

1090 kilocycles 275.1 meters

KMOX * 50000 1CX St. Louis, Mo.
XEL -- 10 --- Saltillo, Coah.

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Voice of St. Louis, Inc.
Antonio Garza Castro

1100 kilocycles 272.6 meters

KGDM * 250 DX Stockton, Cal.
WLWL * 5000 1 New York City
WPG -- 5000 1C Atlantic City, N. J.

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E. F. Peffer
Missionary Society of St. Paul
WPG Broadcasting Corp.

1110 kilocycles 270.1 meters

KSOO * 2000 Dn Sioux Falls, S. D.
WRVA * 5000 N Richmond, Va.

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Sioux Falls Broadcasting Assn., Inc.
Larus & Bros. Co., Inc.

1120 kilocycles 267.7 meters

CFJC -- 15 --- Kamloops, B. C.
CHGS * 100 --- Summerside, P. E. I.
CJOC -- 50 --- Lethbridge, Alta.
KFIO † 100 D Spokane, Wash.
KFSG * 500 3 Los Angeles, Cal.
KMIC * 500 3Y Inglewood, Cal.
KRSC † 50 D Seattle, Wash.
KTRH * 500 2C Houston, Texas
WDBO * 500 +C Orlando, Fla.
WDEL † 250 +X Wilmington, Del.
WHAD * 250 1 Milwaukee, Wis.
WISN -- 250 1C Milwaukee, Wis.
WTAW -- 500 2 College Station, Texas
----- 150 CP Rayne, La.
----- 10 CPD Haynesville, La.

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N. S. Dalgleish & Sons
R. T. Holman, I. Ltd.
Harold R. Carson
Spokane Broadcasting Corp.
Echo Park Evang. Assn.
Dalton's, Inc.
Radio Sales Corp.
Rice Hotel
Orlando Broadcasting Co., Inc.
WDEL, Inc.
Marquette University
Evening Wisconsin Co.
Agricultural & Mech. College
Ber, Killmer & Bailey
C. C. Crawford

1130 kilocycles 265.3 meters

CMBC -- 150 --- Havana, Cuba
CMQ -- 150 --- Havana, Cuba
KSL -- 5000 N Salt Lake City
WJJD -- 20000 C Dn Mooseheart, Ill.
WGV -- 1000 D New York City
XEF -- 105 1131 Oaxaca, Oax.

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Domingo Fernandez Cruz
Jose Fernandez
Radio Service Corp. of Utah
Loyal Order of Moose
International Broadcasting Corp.
Frederico Zorrila

1140 kilocycles 263.0 meters

KVOO * 5000 1N Tulsa, Okla.
WAPI -- 5000 1N Birmingham, Ala.

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Southwestern Sales Corp.
Alabama Polytechnic Institute

1150 kilocycles 260.7 meters

CMHA -- 200 1154 Cienfuegos, Cuba
WHAM * 5000 N Rochester, N. Y.

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Jose Ganduxe
Stromberg-Carlson Tel. Mfg. Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

1160 kilocycles 258.5 meters

WOWO * 1000 1C
 WWVA * 5000 1Y

Ft. Wayne, Ind.
 Wheeling, W. Va.

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Main Auto Supply Co.
 West Virginia Broadcasting Corp.

1170 kilocycles 256.3 meters

KTNT -- 5000 Dn
 WCAU * 10000 C

Muscatine, Iowa
 Philadelphia, Pa.

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Norman Baker
 Universal Broadcasting Co

1180 kilocycles 254.1 meters

KEX -- 5000 2
 KOB -- 20000 2
 WDGY * 1000 1 Dn
 WHDI -- 500 1 Dn

Portland, Ore.
 State College, N. M.
 Minneapolis, Minn.
 Minneapolis, Minn.

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Western Broadcasting Co.
 College of Agriculture & Mech. Arts
 Dr. George W. Young
 Wm. Hood Dunwoody Industrial Inst.

1190 kilocycles 252.0 meters

WICC * 500 D
 WOAI * 5000 N

Bridgeport, Conn.
 San Antonio, Texas

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Bridgeport Broadcasting Station, Inc.
 Southern Equipment Co.

1200 kilocycles 249.9 meters

KBTM -- 100 D
 KFHA -- 50 ---
 KFJB -- 100 +
 KFWF -- 100 5
 KGCU -- 100 ---
 KGDE -- 100 +
 KGDY -- 100 ---
 KGEK -- 50 9
 KGEW † 100 9
 KGFJ -- 100 ---
 KGHJ -- 100 ---
 KGY -- 10 +
 KMLB -- 50 DCP
 KSMR -- 100 ---
 KVOS -- 100 ---
 KWG * 100 ---
 WABI † 100 ---
 WABZ -- 100 1
 WBBZ -- 100 ---
 WCAT -- 100 ---
 WCAX * 100 2
 WCLO † 100
 WCOD † 100 3
 WEHC * 100 +X
 WEPS -- 100 ---
 WFBC -- 50 ---
 WFBE -- 100 +
 WHBC -- 10 4S
 WHBY -- 100 ---
 WIBX -- 100 +
 WIL -- 100 5+
 WJBC * 100 6
 WJBL -- 100 6
 WJBW -- 100 1
 WKJC -- 100 3
 WLAP † 100 +
 WLBG † 100 +
 WMA Y -- 100 5+
 WNB0 * 100 4
 WNBW † 10 ---
 WNBX -- 10 2-
 WORC -- 100 CX
 WPDF * 100 8
 WRAF * 100 8
 WRBL -- 50 ---
 WWAE -- 100 8-
 XEA -- 101 ---
 10-BP -- 25 ---

Paragould, Ark.
 Gunnison, Colo.
 Marshalltown, Iowa
 St. Louis, Mo.
 Mandan, N. D.
 Fergus Falls, Minn.
 Huron, S. D.
 Yuma, Colo.
 Fort Morgan, Colo.
 Los Angeles, Cal.
 Little Rock, Ark.
 Lacey, Wash.
 Monroe, La.
 Santa Maria, Cal.
 Bellingham, Wash.
 Stockton, Cal.
 Bangor, Maine
 New Orleans, La.
 Ponca City, Okla
 Rapid City, S. D.
 Burlington, Vt.
 Janesville, Wis.
 Harrisburg, Pa.
 Emory, Va.
 Worcester, Mass.
 Knoxville, Tenn.
 Cincinnati, Ohio
 Canton, Ohio
 Green Bay, Wis.
 Utica, N. Y.
 St. Louis, Mo.
 La Salle, Ill.
 Decatur, Ill.
 New Orleans, La.
 Lancaster, Pa.
 Louisville, Ky.
 Petersburg, Va.
 St. Louis, Mo.
 Washington, Pa.
 Carbondale, Pa.
 Springfield, Vt.
 Worcester, Mass.
 Flint, Mich.
 La Porte, Ind.
 Columbus, Ga.
 Hammond, Ind.
 Guadalupe, Jal.
 Wingham, Ont.

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W. J. Beard's Temple of Music
 The Hawkins-Craig Syndicate
 Marshall Electric Co., Inc.
 St. Louis Truth Center, Inc.
 Mandan Radio Association
 Jaren Drug Co.
 J. Albert Loesch and George W. Wright
 Beehler Elec. Equipment Co.
 City of Fort Morgan
 Ben S. McGlashan
 Berean Bible Class
 St. Martin's College
 G. C. Liner
 Santa Maria Valley R. R. Co.
 KVOS, Inc.
 Portable Wireless Tel. Co., Inc.
 Pine Tree Broadcasting Corp.
 Coliseum Place Baptist Church
 C. L. Carrell
 State School of Mines
 University of Vermont
 WCLO Radio Corp.
 Norman R. Hoffman
 Emory & Henry College
 Alfred Frank Kleindienst
 First Baptist Church
 WFBE, Inc.
 St. John's Catholic Church
 St. Norbert's College
 WIBX, Inc.
 Missouri Broadcasting Corp.
 Kaskaskia Broadcasting Co.
 Commodore Broadcasting, Inc.
 Charles C. Carlson, Jr.
 Kirk, Johnson & Co.
 American Broadcasting Corp. of Ky.
 Robert Allen Gamble
 Kingshighway Presbyterian Church
 John Brownlee Spriggs
 Home Cut Glass & China Co.
 First Congregational Church
 Alfred Frank Kleindienst
 City of Flint
 Chas. Middleton
 David Farmer
 Hammond-Calumet Broad. Corp.
 Alberto Palos Sauza
 Radio & Electric Shop

KCYS.
 1200
 MTRS.
 249.9
 DIAL

CUT OUT ON DOTTED LINES

INDEX BY FREQUENCIES AND DIAL NUMBERS

1210 kilocycles 247.8 meters

| | | | | |
|------|----|-----|-----|----------------------|
| CFCO | -- | 100 | --- | Chatham, Ont. |
| CFNB | -- | 50 | --- | Fredericton, N. B. |
| CHWK | + | 5 | --- | Chilliwack, B. C. |
| CJOR | * | 50 | --- | Sea Island, B. C. |
| CKMC | -- | 15 | --- | Cobalt, Ont. |
| CKPC | + | 25 | --- | Preston, Ont. |
| KDFN | + | 100 | --- | Casper, Wyo. |
| KDLR | + | 100 | --- | Devils Lake, N. D. |
| KFOR | -- | 100 | + | Lincoln, Nebr. |
| KFVS | -- | 100 | 6 | Cape Girardeau, Mo. |
| KFXM | -- | 100 | 9 | San Bernardino, Cal. |
| KGCR | -- | 100 | --- | Watertown, S. D. |
| KGMP | + | 100 | --- | Elk City, Okla. |
| KGNO | + | 100 | --- | Dodge City, Kans. |
| KMJ | + | 100 | --- | Fresno, Cal. |
| KPPC | + | 50 | 9 | Pasadena, Cal. |
| KWEA | + | 100 | --- | Shreveport, La. |
| WALR | * | 100 | --- | Zanesville, Ohio |
| WBAX | + | 100 | 1 | Wilkes-Barre, Pa. |
| WBBL | + | 100 | 7S | Richmond, Va. |
| WCBS | + | 100 | 2 | Springfield, Ill. |
| WCOH | + | 100 | 3 | Yonkers, N. Y. |
| WCRW | * | 100 | 4 | Chicago, Ill. |
| WDWF | + | 100 | 5 | Providence, R. I. |
| WEBQ | -- | 100 | 6 | Harrisburg, Ill. |
| WEDC | + | 100 | 4 | Chicago, Ill. |
| WGBB | * | 100 | 3 | Freeport, N. Y. |
| WGCM | -- | 100 | --- | Gulfport, Miss |
| WHBF | -- | 100 | --- | Rock Island, Ill. |
| WHBU | + | 100 | --- | Anderson, Ind. |
| WJBI | -- | 100 | 3 | Red Bank, N. J. |
| WJBU | -- | 100 | 1 | Lewisburg, Pa. |
| WJBY | -- | 50 | --- | Gadsden, Ala. |
| WJW | * | 100 | --- | Mansfield, Ohio |
| WLCI | * | 50 | --- | Ithaca, N. Y. |
| WLSI | -- | 100 | 5 | Providence, R. I. |
| WMBG | -- | 100 | 7 | Richmond, Va. |
| WMRJ | * | 100 | 3 | Jamaica, N. Y. |
| WOCL | * | 25 | --- | Jamestown, N. Y. |
| WOMT | -- | 100 | --- | Manitowoc, Wis. |
| WPAW | * | 100 | 5 | Pawtucket, R. I. |
| WQDX | -- | 50 | --- | Thomasville, Ga. |
| WRBQ | + | 100 | X+ | Greenville, Miss. |
| WRBU | -- | 100 | --- | Gastonia, N. C. |
| WSBC | * | 100 | 4 | Chicago, Ill. |
| WSEN | + | 100 | --- | Columbus, Ohio |
| WSIX | -- | 100 | --- | Springfield, Tenn. |
| WTAX | -- | 100 | 2 | Springfield, Ill. |

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Western Ontario "Better Radio" Club
 James S. Neill & Sons, Ltd.
 Chilliwack Broadcasting Co., Ltd.
 G. C. Chandler
 R. L. MacAdam
 Metal Shingle & Siding Co.
 Donald Lewis Hathaway
 KDLR, Inc.
 Howard A. Shuman
 Hirsch Battery & Radio Co.
 J. C. & E. W. Lee
 Cutler's Radio Brdcastg. Service, Inc.
 Bryant Radio & Electric Co.
 Dodge City Broadcasting Co.
 James McClatchy Co.
 Pasadena Presbyterian Church
 Hello World Broadcasting Corp.
 Roy. W. Waller
 John H. Stenger, Jr.
 Grace Covenant Presbyterian Church
 H. L. Dewing & Chas. Messter
 Westchester Broadcasting Corp.
 Clinton R. White
 Dutee W. Flint
 First Trust & Savings Bank
 Emil Denemark, Inc.
 Harry H. Carman
 Great Southern Land Co., Inc.
 Beardsley Specialty Co.
 Citizens Bank
 Monmouth Broadcasting Co.
 Bucknell University
 Gadsden Broadcasting Co., Inc.
 Mansfield Broadcasting Assn.
 Lutheran Assn. of Ithaca
 The Lincoln Studios, Inc.
 Havens & Martin, Inc.
 Peter J. Prinz
 A. E. Newton
 Francis M. Kadow
 Shartenburg & Robinson Co.
 Stevens Luke
 J. Pat. Scully
 A. J. Kirby Music Co.
 World Battery Co., Inc.
 Columbus Broadcasting Co.
 638 Tire & Vulcanizing Co.
 WTAX, Inc.

1220 kilocycles 245.8 meters

| | | | | |
|------|----|------|----|-----------------|
| KFKU | -- | 1000 | 1 | Lawrence, Kans. |
| KWSC | -- | 1000 | + | Pullman, Wash. |
| WCAD | * | 500 | D | Canton, N. Y. |
| WCAE | * | 1000 | N | Pittsburgh, Pa. |
| WDAE | * | 1000 | C | Tampa, Fla. |
| WREN | * | 1000 | 1N | Lawrence, Kans. |

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University of Kansas
 State College of Washington
 St. Lawrence University
 Gimbel Bros.
 Tampa Publishing Co.
 Jenny Wren Co.

1230 kilocycles 243.8 meters

| | | | | |
|------|----|------|-----|----------------------|
| KFQD | -- | 100 | --- | Anchorage, Alaska |
| KGGM | -- | 250 | + | Albuquerque, N. Mex. |
| KYA | -- | 1000 | --- | San Francisco, Cal. |
| WBIS | -- | 1000 | 2 | Boston, Mass. |
| WFBM | * | 1000 | 1C | Indianapolis, Ind. |
| WNAC | * | 1000 | 2C | Boston, Mass. |
| WPSC | -- | 500 | D | State College, Pa. |
| WSBT | -- | 500 | 1 | South Bend, Ind. |

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Anchorage Radio Club
 New Mexico Broadcasting Co.
 Pacific Broadcasting Corp.
 Shepard Broadcasting Service, Inc.
 Indianapolis Power & Light Co.
 Shepard Broadcasting Service, Inc.
 Pennsylvania State College
 South Bend Tribune

1240 kilocycles 241.8 meters

| | | | | |
|------|----|------|---|------------------|
| KTAT | -- | 1000 | 1 | Ft. Worth, Texas |
| WACO | + | 1000 | 1 | Waco, Texas |
| WXYZ | + | 1000 | C | Detroit, Mich. |

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S. A. T. Broadcast Co.
 Central Texas Broadcasting Co., Inc.
 Kunsy-Trendle Broadcasting Corp.

INDEX BY FREQUENCIES AND DIAL NUMBERS

1250 kilocycles 239.9 meters

| | | | | |
|-------|----|------|-----|--------------------|
| KFMX | -- | 1000 | 2 | Northfield, Minn. |
| KFOX | * | 1000 | --- | Long Beach, Cal. |
| KIDO | -- | 1000 | --- | Boise, Idaho |
| WAAM | * | 1000 | 1+ | Newark, N. J. |
| WCAL | -- | 1000 | 2 | Northfield, Minn. |
| WDSU | -- | 1000 | C | New Orleans, La. |
| WGCP | -- | 250 | 1 | Newark, N. J. |
| WGMS | -- | 1000 | 2 | St. Paul, Minn. |
| WLB | -- | 1000 | 2 | St. Paul, Minn. |
| WODA | -- | 1000 | 1 | Paterson, N. J. |
| WRHM | * | 1000 | 2 | Minneapolis, Minn. |
| ----- | -- | 500 | CP | Little Rock, Ark. |

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Carleton College
Nichols & Warinner, Inc.
Boise Broadcasting Station
WAAM, Inc.
St. Olaf College
Jos. H. Uhalt
May Radio Broadcast Corp.
Northwestern Broadcasting Inc.
University of Minnesota
Richard E. O'Dea
Minnesota Broadcasting Corp.
Joseph E. Phelps

1260 kilocycles 238.0 meters

| | | | | |
|------|----|------|----|----------------------|
| KOIL | * | 1000 | C | Council Bluffs, Iowa |
| KRGV | * | 500 | 1 | Harlingen, Texas |
| KVOA | -- | 500 | D | Tucson, Ariz. |
| KWVG | -- | 500 | 1 | Brownsville, Texas |
| WLBW | -- | 500 | C+ | Oil City, Pa. |
| WTOC | * | 500 | C | Savannah, Ga. |

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Mona Motor Oil Co.
KRGV, Inc.
Robert M. Riculfi
Herald Pub. Co.
Radio-Wire Program Corp.
Savannah Broadcasting Co.

1270 kilocycles 236.1 meters

| | | | | |
|------|----|------|-----|-------------------------|
| KFUM | -- | 1000 | --- | Colorado Springs, Colo. |
| KGCA | -- | 50 | 2D | Decorah, Iowa |
| KOL | † | 1000 | 3C | Seattle, Wash. |
| KTW | -- | 1000 | 3 | Seattle, Wash. |
| KWLC | * | 100 | 2D | Decorah, Iowa |
| WASH | -- | 500 | 1 | Grand Rapids, Mich. |
| WEAI | -- | 1000 | D | Ithaca, N. Y. |
| WFBR | -- | 250 | --- | Baltimore, Md. |
| WJDX | -- | 500 | +N | Jackson, Miss. |
| WOOD | -- | 500 | 1 | Grand Rapids, Mich. |

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W. D. Corley
Charles W. Greenley
Seattle Rroacasting Co., Inc.
First Presbyterian Church
Luther College
WASH Broadcasting Corp.
Cornell University
Baltimore Radio Show, Inc.
Lamar Life Insurance Co.
Walter B. Stiles, Inc.

1280 kilocycles 234.2 meters

| | | | | |
|------|----|------|------|--------------------|
| CMCE | -- | 100 | 1285 | Havana, Cuba |
| KFBB | -- | 1000 | + | Great Falls, Mont. |
| WCAM | -- | 500 | 1 | Camden, N. J. |
| WCAP | * | 500 | 1 | Asbury Park, N. J. |
| WDOD | * | 1000 | +C | Chattanooga, Tenn. |
| WIBA | -- | 500 | --- | Madison, Wis. |
| WOAX | -- | 500 | 1 | Trenton, N. J. |
| WRR | -- | 500 | C | Dallas, Texas |

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Julio E. Power
Buttrety Broadcast, Inc.
City of Camden
Radio Industries Broadcast Co.
WDOD Broadcasting Corp.
Capital Times Co.
WOAX, Inc.
City of Dallas

1290 kilocycles 232.4 meters

| | | | | |
|------|----|------|-----|---------------------|
| KDYL | * | 1000 | C | Salt Lake City |
| KFUL | -- | 500 | 1 | Galveston, Texas |
| KLCN | * | 50 | D | Blytheville, Ark. |
| KTSA | † | 1000 | 1+C | San Antonio, Texas |
| WEBC | -- | 1000 | +N | Superior, Wis. |
| WJAS | * | 1000 | C | Pittsburgh, Pa. |
| WNBZ | -- | 50 | D | Saranac Lake, N. Y. |

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Intermountain Broadcasting Corp.
Will H. Ford
C. L. Lintzenich
Lone Star Broadcast Co.
Head of Lake Broadcasting Co.
Pittsburgh Radio Supply House
Smith & Mace

1300 kilocycles 230.6 meters

| | | | | |
|------|----|------|----|-------------------|
| KFH | -- | 1000 | 2C | Wichita, Kansas |
| KFJR | -- | 500 | 3 | Portland, Ore. |
| KGEF | * | 1000 | 4 | Los Angeles, Cal. |
| KTBI | * | 1000 | 4 | Los Angeles, Cal. |
| KTBR | -- | 500 | 3 | Portland, Ore. |
| WBRR | -- | 1000 | 1 | Brooklyn, N. Y. |
| WEVD | * | 500 | 1 | New York City |
| WHAP | * | 1000 | 1 | New York City |
| WHAZ | * | 500 | 1 | Troy, N. Y. |
| WIOD | * | 1000 | N | Miami Beach, Fla. |
| WOQ | * | 1000 | 2 | Kansas City, Mo. |

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Radio Station KFH Co.
Ashley C. Dixon & Son
Trinity Methodist Church
Bible Institute of Los Angeles
M. E. Brown
People's Pulpit Association
Debs Memorial Radio Fund, Inc.
Defenders of Truth Society, Inc.
Rensselaer Polytechnic Institute
Isle of Dreams Broadcasting Corp.
Unity School of Christianity

1310 kilocycles 228.9 meters

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|------|----|-----|-----|------------------|
| KCRJ | † | 100 | --- | Jerome, Ariz. |
| KFBK | -- | 100 | --- | Sacramento, Cal. |
| KFGQ | -- | 100 | 7 | Boone, Iowa |
| KFIU | -- | 10 | --- | Juneau, Alaska |
| KFJY | § | 100 | 7 | Ft. Dodge, Iowa |

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Chas. C. Robinson
Jas. McClatchy Co.
Boone Biblical College
Alaska Electric Light & Power Co.
C. S. Tunwall

KCYS.
1310
MTRS.
228.9
DIAL

CUT OUT ON DOTTED LINES

INDEX BY FREQUENCIES AND DIAL NUMBERS

| | | | | |
|------|----|-----|------|----------------------|
| KFPL | -- | 100 | --- | Dublin, Texas |
| KFPM | * | 15 | --- | Greenville, Texas |
| KFUP | -- | 100 | 8 | Denver, Colo. |
| KFXJ | -- | 50 | 8X Y | Edgewater, Colo. |
| KFXR | -- | 100 | + | Oklahoma City |
| KGBX | * | 100 | --- | St. Joseph, Mo. |
| KGCX | -- | 100 | + | Wolf Point, Mont. |
| KGEZ | † | 100 | C | Kalispell, Mont. |
| KGFW | -- | 100 | --- | Ravenna, Neb. |
| KIT | -- | 50 | --- | Yakima, Wash. |
| KMED | -- | 50 | --- | Medford, Ore. |
| KRMD | -- | 50 | 9 | Shreveport, La. |
| KTLC | -- | 100 | X | Houston, Tex. |
| KTSL | -- | 100 | 9 | Shreveport, La. |
| KTSM | -- | 100 | 2 | El Paso, Texas |
| KWCR | -- | 100 | 7 | Cedar Rapids, Iowa |
| KXRO | † | 75 | --- | Aberdeen, Wash. |
| WBOW | * | 100 | --- | Terre Haute, Ind. |
| WBRE | -- | 100 | --- | Wilkes-Barre, Pa. |
| WCLS | * | 100 | 1 | Joliet, Ill. |
| WDAH | -- | 100 | 2 | El Paso, Texas |
| WEBR | * | 100 | + | Buffalo, N. Y. |
| WEXL | † | 50 | --- | Royal Oak, Mich. |
| WFBG | -- | 100 | 3 | Altoona, Pa. |
| WFDL | -- | 100 | --- | Flint, Mich. |
| WFKD | -- | 50 | 4X | Philadelphia, Pa. |
| WGAL | * | 100 | 5 | Lancaster, Pa. |
| WGH | * | 100 | C | Newport News, Va. |
| WHAT | -- | 100 | 4X | Philadelphia, Pa. |
| WIBU | -- | 100 | --- | Poynette, Wis. |
| WJAC | -- | 100 | 3 | Johnstown, Pa. |
| WJAK | * | 50 | 6 | Marion, Ind. |
| WKAV | * | 100 | --- | Laconia, N. H. |
| WKBB | -- | 100 | 1 | Joliet, Ill. |
| WKBC | -- | 100 | --- | Birmingham, Ala. |
| WKBS | * | 100 | --- | Galesburg, Ill. |
| WLBC | † | 50 | --- | Muncie, Ind. |
| WMBO | † | 100 | 6 | Auburn, N. Y. |
| WNBH | * | 100 | --- | New Bedford, Mass. |
| WOBT | -- | 100 | + | Union City, Tenn. |
| WOL | * | 100 | --- | Washington, D. C. |
| WRAW | * | 50 | 5X Z | Reading, Pa. |
| WROL | -- | 100 | --- | Knoxville, Tenn. |
| WSAJ | * | 100 | --- | Grove City, Pa. |
| WSJS | -- | 100 | --- | Winston-Salem, N. C. |

C. C. Baxter
 The New Furniture Co.
 Fitzsimmons General Hospital
 Western Slope Broadcasting Co.
 Exchange Ave. Baptist Church
 KGBX Inc.
 First State Bank of Vida
 Chamber of Commerce
 O. F. Sothman and R. H. McConnell
 Carl E. Haymond
 Mrs. W. J. Virgin
 Robert M. Dean
 Houston Broadcasting Co.
 G. A. Houseman
 W. S. Bledsoe & W. T. Blackwell
 Harry F. Paar
 KXRO, Inc.
 Banks of Wabash, Inc.
 Louis G. Baltimore
 WCLS, Inc.
 Eagle Broadcasting Co.
 Howell Broadcasting Co., Inc.
 Royal Oak Broadcasting Co.
 Wm. F. Gable Co.
 Frank D. Fallain
 Foulkrod Radio Engineering Co.
 WGAL, Inc.
 Hampton Roads Broadcasting Corp.
 Independence Broadcasting Co.
 William C. Forrest
 Johnstown Automobile Co.
 Marion Broadcasting Co.
 Laconia Radio Club
 Sanders Bros. Radio Station
 R. B. Broyles Furniture Co.
 Permil N. Nelson
 Donald A. Burton
 Radio Service Laboratories
 New Bedford Broadcasting Co.
 Tittsworth's Radio & Music Shop
 American Broadcasting Co.
 Reading Broadcasting Co.
 Stewart Broadcasting Co.
 Grove City College
 Winston-Salem Journal Co.

1320 kilocycles 227.1 meters

| | | | | |
|------|----|------|-----|--------------------|
| KGHF | -- | 250 | X+ | Pueblo, Colo |
| KGIQ | -- | 250 | 1+ | Twin Falls, Idaho |
| KGMB | † | 500 | --- | Honolulu, Hawaii |
| KID | -- | 500 | 1+ | Idaho Falls, Idaho |
| WADC | † | 1000 | C | Akron, Ohio |
| WSMB | * | 500 | N | New Orleans, La. |

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C. P. Ritchie & J. E. Finch
 Radio Broadcasting Corp.
 Honolulu Broadcasting Co., Ltd.
 KID Broadcasting Co.
 Allen T. Simmons
 Saenger Theatre & Maison Blanche Co.

1330 kilocycles 225.4 meters

| | | | | |
|------|----|------|------|------------------|
| KGB | * | 250 | X | San Diego, Cal. |
| KSCJ | -- | 1000 | 1+ C | Sioux City, Iowa |
| WDRC | -- | 500 | --- | New Haven, Conn. |
| WSAI | * | 500 | N | Cincinnati, Ohio |
| WTAQ | * | 1000 | 1 | Eau Claire, Wis. |
| XEC | -- | 50 | 1333 | Toluca, Mex. |

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Pickwell Broadcasting Corp.
 Perkins Bros. Co.
 Doolittle Radio Corp.
 Crosley Radio Corp., Lessee
 Gillette Rubber Co.
 Jesus R. Benavides

1340 kilocycles 223.7 meters

| | | | | |
|------|----|------|-----|------------------|
| KFPW | -- | 50 | D | Fort Smith, Ark. |
| KFPY | -- | 1000 | C | Spokane, Wash. |
| WCOA | -- | 500 | --- | Pensacola, Fla. |
| WSPD | * | 500 | C+ | Toledo, Ohio |

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John Brown Schools
 Symons Broadcasting Co.
 City of Pensacola
 Toledo Broadcasting Co.

1350 kilocycles 222.1 meters

| | | | | |
|------|----|------|---|----------------|
| KWK | * | 1000 | N | St. Louis, Mo. |
| WBNY | * | 250 | 1 | New York City |
| WCDA | -- | 250 | 1 | New York City |
| WKBQ | -- | 250 | 1 | New York City |
| WMSG | -- | 250 | 1 | New York City |

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Greater St. Louis Broadcasting Corp.
 Pillar of Fire
 Italian Educ. Broadcasting Co., Inc.
 Standard Cahill Co., Inc.
 Madison Sq. Garden Brdcastg. Corp.

INDEX BY FREQUENCIES AND DIAL NUMBERS

1360 kilocycles 220.4 meters

CMKC * 150 1364
 KGFR * 1000 4
 KGIR -- 500 ---
 KPSN -- 1000 4
 WSCS -- 500 ---
 WFBL * 1000 C+
 WGBL -- 500 1+
 WJKS * 1000 1+
 WQBC -- 300 CP

Santiago de Cuba
 Long Beach, Cal.
 Butte, Mont.
 Pasadena, Cal.
 Charleston, S. C.
 Syracuse, N. Y.
 Chicago, Ill.
 Gary, Ind.
 Vicksburg, Miss.

M. P. Martinez
 C. Merwin Dobyns
 KGIR, Inc.
 Pasadena Star-News
 Jordan & Burk
 Onondaga Radio Broadcasting Corp.
 Oak Leaves Broadcasting Station, Inc.
 Johnson-Kennedy Radio Corp.
 Delta Broadcasting Co., Inc.

1370 kilocycles 218.7 meters

KCRC † 100 2+
 KFBL -- 50 3
 KFJI -- 100 ---
 KFJM † 100 ---
 KFJZ -- 100 X
 KFLX -- 100 ---
 KGAR * 100 +
 KGDA † 100 ---
 KGFG -- 100 2
 KGFL -- 50 ---
 KGKL † 100 ---
 KMAC -- 100 5
 KONO † 100 ---
 KOOS -- 100 ---
 KRE -- 100 6
 KVL -- 100 3
 KWKC -- 100 ---
 KZM -- 100 6
 WBGF † 50 ---
 WBTM † 100 7
 WCBM -- 100 +Z
 WELK -- 100 +
 WFDV -- 100 ---
 WGL * 100 C
 WHBD * 100 ---
 WHBQ -- 100 ---
 WHDF -- 100 +
 WIBM -- 100 1
 WJBK -- 50 1
 WLEY -- 100 +
 WLVA † 100 7
 WMBR † 100 ---
 WPOE † 100 ---
 WQDM * 5 D
 WRAK -- 50 ---
 WRBJ -- 10 ---
 WRBT * 100 ---
 WRJN -- 100 ---
 WSVS -- 50 ---
 WRDO § 100 CP

Enid, Okla.
 Everett, Wash.
 Astoria, Ore.
 Grand Forks, N. D.
 Ft. Worth, Texas
 Galveston, Texas
 Tucson, Ariz.
 Mitchell, S. D.
 Oklahoma City
 Raton, N. M.
 San Angelo, Texas
 San Antonio, Tex.
 San Antonio, Texas
 Marshfield, Ore.
 Berkeley, Cal.
 Seattle, Wash.
 Kansas City, Mo.
 Hayward, Cal.
 Glens Falls, N. Y.
 Danville, Va.
 Baltimore, Md.
 Philadelphia, Pa.
 Rome, Ga.
 Fort Wayne, Ind.
 Mount Orab, Ohio
 Memphis, Tenn.
 Calumet, Mich.
 Jackson, Mich.
 Detroit, Mich.
 Lexington, Mass.
 Lynchburg, Va.
 Tampa, Fla.
 Patchogue, N. Y.
 St. Albans, Vt.
 Williamsport, Pa.
 Hattiesburg, Miss.
 Wilmington, N. C.
 Racine, Wis.
 Buffalo, N. Y.
 Augusta, Me.

Champlin Refining Co.
 Leese Bros.
 KFJI Broadcasters, Inc.
 University of North Dakota
 Estate of H. C. Meachem
 George Roy Clough
 Tucson Motor Service Co.
 Mitchell Broadcasting Corp.
 Oklahoma Broadcasting Co., Inc.
 W. E. Whitmore
 KGKL, Inc., Opr. by Ragsdale Auto
 W. W. McAllister
 Mission Broadcasting Co.
 H. H. Hanseth, Inc.
 First Congregational Church
 KVL, Inc.
 Wilson Duncan Broadcasting Co.
 Leon P. Tenney
 W. N. Parker and H. H. Metcalfe
 Clarck Electric Co.
 Baltimore Broadcasting Corp.
 WELK Broadcasting Station, Inc.
 Dolies Goings
 Fred C. Zieg
 F. P. Moler
 Broadcasting Station WHBQ, Inc.
 Unner Michigan Broadcasting Co.
 WIBM, Inc.
 James F. Hopkins, Inc.
 Lexington Air Stations
 Lynchburg Broadcasting Corp.
 F. J. Reynolds
 Nassau Broadcasting Corp.
 A. J. St. Antoine
 C. R. Cummins
 Woodruff Furniture Co., Inc.
 Wilmington Radio Association
 Racine Broadcasting Corp.
 Seneca Vocational School
 Albert S. Woodson

1380 kilocycles 217.3 meters

KOH † 500 ---
 KOV † 500 2--
 KSO * 500 1
 WKBH * 1000 1
 WSMK -- 200 2

Reno, Nevada
 Pittsburgh, Pa.
 Clarinda, Iowa
 La Crosse, Wis.
 Dayton, Ohio

Jay Peters
 Doubleday-Hill Electric Co.
 Berry Seed Co.
 WKBH, Inc.
 Stanley M. Krohn, Jr.

1390 kilocycles 215.7 meters

KLRA -- 1000 1C
 KOY * 500 ---
 KUOA -- 1000 1
 WHK * 1000 C

Little Rock, Ark.
 Phoenix, Ariz.
 Fayetteville, Ark.
 Cleveland, Ohio

Arkansas Broadcasting Co.
 Nielson Radio & Sporting Goods Co.
 University of Arkansas
 Radio Air Service Corp.

KCY5.
1390
 MTRS.
215.7
 DIAL

CUT OUT ON
 DOTTED LINES

INDEX BY FREQUENCIES AND DIAL NUMBERS

1400 kilocycles 214.2 meters

| | | | |
|------|----|-----|------|
| CMBY | -- | 200 | 1405 |
| KLO | * | 500 | X |
| KOCW | * | 250 | + |
| WBAA | -- | 500 | 1+ |
| WBBC | -- | 500 | 2 |
| WCGU | -- | 500 | 2 |
| WCM | -- | 500 | 1 |
| WKBF | -- | 500 | 1 |
| WLTH | * | 500 | 2 |
| WSDA | -- | 500 | 2 |
| WSGH | -- | 500 | 2 |

Havana, Cuba
Ogden, Utah
Chickasha, Okla.
Lafayette, Ind.
Brooklyn, N. Y.
Brooklyn, N. Y.
Culver, Ind.
Indianapolis, Ind.
Brooklyn, N. Y.
Brooklyn, N. Y.
Brooklyn, N. Y.

Lino E. Cosculluela
Peery Building Co.
College for Women
Purdue University
Brooklyn Broadcasting Corp.
U. S. Broadcasting Corp.
General Broadcasting Corp.
Indianapolis Broadcasting, Inc.
The Voice of Brooklyn, Inc.
Paramount Broadcasting Co.
Paramount Broadcasting Co.

1410 kilocycles 212.6 meters

| | | | |
|------|----|------|-----|
| KFLV | † | 500 | 4 |
| KGRS | -- | 1000 | 1 |
| WBGM | -- | 500 | C |
| WDAG | -- | 250 | 1X |
| WHBL | * | 500 | 4 |
| WLEX | -- | 500 | 2 |
| WMAF | -- | 500 | 2 |
| WODX | -- | 500 | 3 |
| WRBX | * | 250 | --- |
| WSFA | † | 500 | 3 |
| WSSH | † | 500 | 2 |

Rockford, Ill.
Amarillo, Texas
Bay City, Mich.
Amarillo, Texas
Sheboygan, Wis.
Lexington, Mass.
S. Dartmouth, Mass.
Mobile, Ala.
Roanoke, Va.
Montgomery, Ala.
Boston, Mass.

Rockford Broadcasters, Inc.
Gish Radio Service
James E. Davidson
National Radio & Broadcasting Corp.
Press Pub. Co.
Lexington Air Stations
Round Hills Radio Corp.
Mobile Broadcasting Corp.
Richmond Development Corp.
Montgomery Broadcasting Co., Inc.
Tremont Temple Baptist Church

1420 kilocycles 211.1 meters

| | | | |
|------|----|-----|-----|
| KBPS | -- | 100 | 4 |
| KFIZ | -- | 100 | --- |
| KFOU | * | 100 | 5X. |
| KFQW | -- | 100 | --- |
| KFXD | -- | 100 | XY |
| KFXY | -- | 100 | --- |
| KFYO | -- | 100 | + |
| KGFF | -- | 100 | --- |
| KGGC | -- | 100 | 5 |
| KGIW | -- | 100 | --- |
| KGIX | -- | 100 | --- |
| KGKX | -- | 100 | --- |
| KICK | * | 100 | --- |
| KLPM | † | 100 | --- |
| KORE | -- | 100 | --- |
| KTAP | § | 100 | --- |
| KXL | -- | 100 | 4 |
| KXYZ | -- | 100 | X |
| WEDH | * | 30 | X |
| WEHS | -- | 100 | 2 |
| WELL | -- | 50 | X |
| WFDW | * | 100 | --- |
| WHDL | § | 10 | D |
| WHFC | -- | 100 | 2 |
| WHIS | † | 100 | --- |
| WIAS | -- | 100 | --- |
| WIBR | -- | 50 | --- |
| WILM | -- | 100 | --- |
| WJBO | § | 100 | --- |
| WKBI | * | 100 | 2 |
| WLBF | -- | 100 | --- |
| WMBC | -- | 100 | X+ |
| WMBH | -- | 100 | + |
| WPAD | † | 100 | --- |
| WSPA | * | 100 | + |
| WTBO | * | 100 | --- |

Portland, Ore.
Fond du Lac, Wis.
Holy City, Cal.
Seattle, Wash.
Nampa, Idaho
Flagstaff, Ariz.
Abilene, Texas
Alva, Okla.
San Francisco, Cal.
Trinidad, Colo.
Las Vegas, Nevada
Sand Point, Idaho
Red Oak, Iowa
Minot, North Dakota
Eugene, Ore.
San Antonio, Texas
Portland, Ore.
Houston, Texas
Erie, Pa.
Evanston, Ill.
Battle Creek, Mich.
Talladega, Ala.
Tupper Lake, N. Y.
Cicero, Ill.
Bluefield, W. Va.
Ottumwa, Iowa
Stuebenville, Ohio
Wilmington, Del.
New Orleans, La.
Chicago, Ill.
Kansas City, Kas.
Detroit, Mich.
Joplin, Mo.
Paducah, Ky.
Spartanburg, S. C.
Cumberland, Md.

Benson Polytechnic Institute
Reporter Printing Co.
W. E. Riker
KFQW, Inc.
Service Radio Co.
Mary M. Costigan
T. E. Kirksey
KGFF Broadcasting Co.
Golden Gate Broadcasting Co.
Leonard E. Wilson
Las Vegas, Nevada, Radio Corp.
C. E. Twiss and F. H. McCann
Red Oak Radio Corp.
John B. Cooley
Eugene Broadcasting Station
Alamo Broadcasting Co.
KXL Broadcasters, Inc.
Harris County Broadcast Co.
Erie Dispatch-Herald
WEHS, Inc.
Enquirer-News Co.
Raymond G. Hammett
Tupper Lake Broadcasting Co., Inc.
Triangle Broadcasters
Daily Telegraph
Poling Electric Co.
George W. Robinson
Delaware Broadcasting Co., Inc.
Valdemar Jensen
Fred L. Schoenwolf
WLBF Broadcasting Co.
Michigan Broadcasting Co., Inc.
Edwin Dudley Aber
Paducah Broadcasting Co.
Voice of South Carolina
Associated Broadcasting Corp.

1430 kilocycles 209.7 meters

| | | | |
|------|----|------|-----|
| KECA | † | 1000 | N |
| KGNF | † | 500 | D |
| WBAK | -- | 500 | 1X+ |
| WCAH | * | 500 | 1C |
| WCBC | * | 500 | 2C |
| WHP | * | 500 | 1CX |
| WNBR | * | 500 | 2 |

Los Angeles, Cal.
North Platte, Neb.
Harrisburg, Pa.
Columbus, Ohio
Memphis, Tenn.
Harrisburg, Pa.
Memphis, Tenn.

Pacific Development Radio Co.
Great Plains Broadcasting Co.
Penna. State Police
Commercial Radio Service Co.
Memphis Broadcasting Co.
Pennsylvania Broadcasting Co.
Memphis Broadcasting Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

1440 kilocycles 208.2 meters

| | | | | |
|------|----|-----|-----|----------------------|
| KLS | * | 250 | D | Oakland, Cal. |
| WBAM | * | 500 | --- | Greensboro, N. C. |
| WCBA | -- | 250 | 1 | Allentown, Pa. |
| WHEC | -- | 500 | 2C | Rochester, N. Y. |
| WMBD | -- | 500 | 3+ | Peoria Heights, Ill. |
| WOKO | -- | 500 | 2 | Poughkeepsie, N. Y. |
| WSAN | -- | 250 | 1 | Allentown, Pa. |
| WTAD | -- | 500 | 3 | Quincy, Ill. |

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Warner Bros.
North Carolina Broadcasting Co.
B. B. Musselman
Hickson Electric & Radio Corp.
Peoria Heights Radio Laboratory
Hudson Valley Broadcasting Co.
Allentown Call Publishing Co., Inc.
Ills. Stock Medicine Broadcasting Co.

1450 kilocycles 206.8 meters

| | | | | |
|------|----|------|-----|--------------------|
| KTBS | * | 1000 | --- | Shreveport, La. |
| WBMS | * | 250 | 1 | Hackensack, N. J. |
| WCSS | -- | 500 | 2Y | Springfield, Ohio |
| WFJC | * | 500 | 2NY | Akron, Ohio |
| WGAR | -- | 500 | CP | Cleveland, Ohio |
| WHOM | -- | 250 | 1 | Jersey City, N. J. |
| WKBO | * | 250 | 1 | Jersey City, N. J. |
| WNJ | § | 250 | 1 | Newark, N. J. |
| WSAR | -- | 250 | --- | Fall River, Mass. |
| WTFI | -- | 500 | --- | Toccoa, Ga. |

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Tri-State Broadcasting System, Inc.
WBMS Broadcasting Corp.
WGAR Broadcasting Co.
WGAR Broadcasting Co.
WGAR Broadcasting Co.
New Jersey Broadcasting Corp.
Camith Corp.
Radio Investment Co.
Doughty & Welch Electric Co., Inc.
Toccoa Falls Institute

1460 kilocycles 205.4 meters

| | | | | |
|------|---|-------|-----|-----------------|
| KSTP | * | 10000 | NX | St. Paul, Minn. |
| WJSV | * | 10000 | --- | Alexandria, Va. |

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

National Battery Broadcasting Co.
Independent Publishing Co.

1470 kilocycles 204.0 meters

| | | | | |
|------|----|------|-----|------------------|
| KGA | † | 5000 | --- | Spokane, Wash. |
| WLAC | -- | 5000 | 1C | Nashville, Tenn. |
| WTNT | -- | 5000 | 1 | Nashville, Tenn. |

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Northwest Broadcasting System, Inc.
Life & Casualty Insurance Co.
Tennessee Publishing Co.

1480 kilocycles 202.6 meters

| | | | | |
|------|----|------|---|----------------|
| KFJF | -- | 5000 | C | Oklahoma City |
| WKBW | * | 5000 | C | Buffalo, N. Y. |

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National Radio Mfg. Co.
Buffalo Broadcasting Co., Lessees

1490 kilocycles 201.2 meters

| | | | | |
|------|----|------|----|----------------|
| WCKY | * | 5000 | 1N | Covington, Ky. |
| WJAZ | -- | 5000 | 1 | Chicago, Ill. |
| WDRD | -- | 5000 | 1 | Chicago, Ill. |

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L. B. Wilson, Inc.
Zenith Radio Corp.
People's Pulpit Association

1500 kilocycles 199.9 meters

| | | | | |
|-------|----|-----|-----|-------------------------|
| KDB | * | 100 | --- | Santa Barbara, Cal. |
| KGFI | -- | 100 | + | Corpus Christi, Texas |
| KGFK | † | 50 | --- | Moorhead, Minn. |
| KGIZ | -- | 50 | --- | Grant City, Mo. |
| KGKB | -- | 100 | --- | Brownwood, Texas |
| KGKY | -- | 100 | --- | Scottsbluff, Nebr. |
| KPJM | * | 100 | --- | Prescott, Ariz. |
| KPQ | † | 50 | --- | Wenatchee, Wash. |
| KREG | † | 100 | --- | Santa Ana, Cal. |
| KUJ | -- | 100 | 3Y | Longview, Wash. |
| KUT | -- | 100 | --- | Austin, Texas |
| KXO | -- | 100 | --- | El Centro, Cal. |
| WCLB | -- | 100 | 1 | Long Beach, N. Y. |
| WDIX | -- | 100 | --- | Tupelo, Miss. |
| WKBV | -- | 100 | + | Connersville, Ind. |
| WKBZ | † | 50 | --- | Ludington, Mich. |
| WLBX | -- | 100 | 1 | Long Island City, N. Y. |
| WLOE | * | 100 | 2+ | Boston, Mass. |
| WMB A | -- | 100 | --- | Newport, R. I. |
| WMBJ | † | 100 | --- | Pittsburgh, Pa. |
| WMBQ | -- | 100 | 1 | Brooklyn, N. Y. |
| WMPC | † | 100 | --- | Lapeer, Mich. |
| WNBF | * | 100 | --- | Binghamton, N. Y. |
| WOPI | -- | 100 | --- | Bristol, Tenn. |
| WPEN | * | 100 | + | Philidelphia, Pa. |
| WRDW | * | 100 | CP | Augusta, Ga. |
| WWRL | -- | 100 | 1 | Woodside, N. Y. |
| ----- | | 100 | | Rutland, Vt. |

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Dwight Faulding
Eagle Broadcasting Co., Inc.
Red River Broadcasting Co., Inc.
Grant City Park Corp.
Eagle Publishing Co.
Hilliard Co., Inc.
Miller & Klahn
Wescoast Broadcasting Co.
Pacific Western Broadcasting
Paul R. Heitmeyer
Rice Hotel
E. R. Irely and F. M. Bowles
Arthur Faske
Blair & Anderson
Knox Battery & Electric Co.
K. L. Ashbacher
John N. Brahy
Boston Broadcasting Co.
LeRoy Joseph Beebe
Rev. J. W. Sproul
Paul J. Gollhofer
First M. P. Church
Hewitt-Wood Radio Co., Inc.
Radiophone Brdcstg. Station, Inc.
Wm. Penn Broadcasting Co.
Warren C. Davenport's Musicove, Inc.
Long Island Broadcasting Corp.
Seward & Weiss Music Co.

KC YS.
1500
MTRS.
199.9
DIAL

INDEX BY LOCATIONS WITH MAP KEY

| ALABAMA | | Watts | Keys. | | | |
|--------------------|------|-------|-------|-----------------------------|------------|------|
| Birmingham O-21 | 5000 | WAPI | 1140 | San Jose J-1 | 500 KOW | 1010 |
| | 500 | WBRC | 930 | Santa Ana M-3 | 100 KREG | 1500 |
| Gadsden O-21 | 50 | WKBC | 1310 | Santa Barbara M-2 | 100 KDB | 1500 |
| Mobile O-20 | 500 | WJBY | 1210 | Santa Maria L-2 | 100 KSMR | 1200 |
| Montgomery P-21 | 500 | WDX | 1410 | Stockton J-2 | 250 KGDM | 1100 |
| Talladega O-21 | 100 | WSFA | 1410 | | 100 KWG | 1200 |
| | | WFDW | 1420 | CANAL ZONE | | |
| ALASKA | | | | Balboa FF-26 | 750 NBA | 850 |
| Anchorage | 100 | KFQD | 1230 | COLORADO | | |
| Juneau | 10 | KFIU | 1310 | Colorado Springs K-11 | 1000 KFUM | 1270 |
| Ketchikan | 500 | KGBU | 900 | Denver K-11 | 500 KFEL | 920 |
| ARIZONA | | | | | 100 KFUP | 1310 |
| Flagstaff M-7 | 100 | KFX Y | 1420 | | 500 KFXX | 920 |
| Jerome M-6 | 100 | KCRJ | 1310 | | 1000 KLZ | 560 |
| Phoenix N-6 | 500 | KOY | 1390 | | 12500 KOA | 830 |
| | 500 | KTA R | 620 | | 500 KPOF | 880 |
| Prescott M-6 | 100 | KPJM | 1500 | Edgewater K-10 | 50 KFX J | 1310 |
| | 100 | KGAR | 1370 | Fort Morgan J-11 | 100 KGEW | 1200 |
| Tucson O-7 | 500 | KVOA | 1260 | Greeley J-11 | 500 KFKA | 880 |
| ARKANSAS | | | | Gunnison K-9 | 50 KFHA | 1200 |
| Blytheville M-19 | 50 | KLCN | 1290 | Pueblo L-11 | 250 KGHF | 1320 |
| Fayetteville M-16 | 1000 | KUOA | 1390 | Trinidad L-11 | 100 KGIW | 1420 |
| Fort Smith N-16 | 50 | KFPW | 1340 | Yuma J-12 | 50 KGEK | 1200 |
| Hot Springs N-17 | 1000 | KTHS | 1040 | CONNECTICUT | | |
| Little Rock N-17 | 100 | KGHI | 1200 | Bridgeport H-27 | 500 WICC | 1190 |
| | 250 | KGJF | 890 | Hartford H-27 | 50000 WTIC | 1060 |
| | 1000 | KLRA | 1390 | New Haven H-27 | 500 WDRC | 1330 |
| | 500 | | 1250 | Storrs H-28 | 250 WCAC | 600 |
| Paragould M-18 | 100 | KBTM | 1200 | DELAWARE | | |
| CALIFORNIA | | | | Wilmington J-26 | 250 WDEL | 1120 |
| Berkeley J-2 | 100 | KRE | 1370 | | 100 WILM | 1420 |
| Burbank M-3 | 500 | KELW | 780 | DISTRICT OF COLUMBIA | | |
| Culver City M-3 | 250 | KFVD | 1000 | Washington J-26 | 250 WMAL | 630 |
| El Centro N-4 | 100 | KXO | 1500 | | 500 WRC | 950 |
| Fresno K-2 | 100 | KMJ | 1210 | | 100 WOL | 1310 |
| Hayward J-1 | 100 | KZM | 1370 | FLORIDA | | |
| Hollywood M-3 | 1000 | KFWB | 950 | Clearwater R-24 | 1000 WFLA | 620 |
| | 5000 | KNX | 1050 | Gainesville Q-24 | 5000 WRUF | 830 |
| Holy City M-3 | 100 | KFQU | 1420 | Jacksonville Q-24 | 1000 WJAX | 900 |
| Inglewood M-3 | 500 | KMIC | 1120 | Miami T-25 | 1000 WQAM | 560 |
| Long Beach M-3 | 1000 | KFOX | 1250 | Miami Beach T-25 | 1000 WIOD | 1300 |
| | 1000 | KGER | 1360 | Orlando R-24 | 500 WDBO | 1120 |
| Los Angeles M-3 | 1000 | KECA | 1430 | Pensacola Q-21 | 500 WCOA | 1340 |
| | 5000 | KFI | 640 | St. Petersburg S-24 | 1000 WSUN | 620 |
| | 500 | KFSG | 1120 | Tampa R-24 | 1000 WDAE | 1220 |
| | 1000 | KGEF | 1300 | | 100 WMBR | 1370 |
| | 100 | KGFJ | 1200 | GEORGIA | | |
| | 1000 | KHJ | 900 | Atlanta O-22 | 250 WGST | 890 |
| | 500 | KMPC | 710 | | 5000 WSB | 740 |
| | 500 | KMTR | 570 | Augusta O-23 | 100 WRDW | 1500 |
| | 500 | KTM | 780 | Columbus O-22 | 50 WRBL | 1200 |
| | 1000 | KTBI | 1300 | Macon O-23 | 250 WMAZ | 890 |
| Oakland J-1 | 250 | KLS | 1440 | Rome N-22 | 100 WFDW | 1370 |
| | 500 | KLX | 880 | Savannah O-24 | 500 WTOG | 1260 |
| | 500 | KROW | 930 | Thomasville Q-22 | 50 WQDX | 1210 |
| Pasadena M-3 | 50 | KPPC | 1210 | Toccoa N-23 | 500 WTFI | 1450 |
| | 1000 | KPSN | 1360 | HAWAII | | |
| Sacramento J-2 | 100 | KFBK | 1310 | Honolulu | 500 KGMB | 1320 |
| San Bernardino M-3 | 100 | KFXM | 1210 | | 1000 KGU | 940 |
| San Diego N-3 | 500 | KFSD | 600 | IDAHO | | |
| | 250 | KGB | 1330 | Boise G-5 | 1000 KIDO | 1250 |
| San Francisco J-1 | 1000 | KRFC | 610 | Idaho Falls G-7 | 500 KID | 1320 |
| | 500 | KFWI | 930 | Nampa G-5 | 50 KF XD | 1420 |
| | 100 | KGGC | 1420 | Pocatello H-7 | 250 KSEI | 900 |
| | 7500 | KGO | 790 | Sand Point D-6 | 100 KGKX | 1420 |
| | 100 | KJBS | 1070 | Twin Falls H-6 | 250 KGIQ | 1320 |
| | 5000 | KPO | 680 | | | |
| | 1000 | KTAB | 560 | | | |
| | 1000 | KYA | 1230 | | | |

INDEX BY LOCATIONS WITH MAP KEY

| ILLINOIS | | Watts | Keys. | | | | |
|---------------------|-------|-------|-------|----------------------|-------|------|------|
| Carthage J-18 | 50 | WCAZ | 1070 | Ottumwa J-17 | 100 | WIAS | 1420 |
| Chicago I-20 | 10000 | KFKX | 1020 | Red Oak J-16 | 100 | KICK | 1420 |
| | 10000 | KYW | 1020 | Shenandoah J-16 | 500 | KFNF | 890 |
| | 500 | WAAF | 920 | | 500 | KMA | 930 |
| | 25000 | WBBM | 770 | Sioux City I-15 | 1000 | KSCJ | 1330 |
| | 1000 | WCFL | 970 | Waterloo I-17 | 500 | WMT | 600 |
| | 100 | WCRW | 1210 | | | | |
| | 100 | WEDC | 1210 | KANSAS | | | |
| | 50000 | WENR | 870 | Coffeyville M-16 | 500 | KGGF | 1010 |
| | 500 | WGES | 1360 | Dodge City L-13 | 100 | KGNO | 1210 |
| | 25000 | WGN | 720 | Kansas City K-16 | 100 | WLBW | 1420 |
| | 1000 | WIBO | 560 | Lawrence K-16 | 1000 | KFKU | 1220 |
| | 5000 | WJAZ | 1490 | | 1000 | WREN | 1220 |
| | 25000 | WJBT | 770 | Manhattan K-15 | 500 | KSAC | 580 |
| | 100 | WKBI | 1420 | Milford K-14 | 5000 | KFKB | 1050 |
| | 5000 | WLS | 870 | Topeka K-16 | 500 | WIBW | 580 |
| | 5000 | WMAQ | 670 | Wichita L-15 | 1000 | KFH | 1300 |
| | 5000 | WMBI | 1080 | | | | |
| | 5000 | WORD | 1490 | KENTUCKY | | | |
| | 500 | WPCC | 560 | Covington K-22 | 5000 | WCKY | 1490 |
| | 100 | WSBC | 1210 | Hopkinsville M-20 | 1000 | WFIW | 940 |
| | 100 | WHFC | 1420 | Louisville L-21 | 10000 | WHAS | 820 |
| Cicero I-20 | 100 | WJBL | 1200 | | 100 | WLAP | 1200 |
| Decatur K-19 | 100 | WEHS | 1420 | Paducah M-19 | 100 | WPAD | 1420 |
| Evanston I-20 | 100 | WKBS | 1310 | | | | |
| Galesburg J-18 | 100 | WBEQ | 1210 | LOUISIANA | | | |
| Harrisburg L-19 | 100 | WCLS | 1310 | Haynesville P-17 | 10 | | 1120 |
| Joliet I-19 | 100 | WKBB | 1310 | Monroe P-18 | 50 | KMLB | 1200 |
| | 100 | WJBC | 1200 | New Orleans R-19 | 100 | WABZ | 1200 |
| La Salle J-19 | 100 | WJJD | 1130 | | 1000 | WDSU | 1250 |
| Mooseheart I-19 | 20000 | WMBD | 1440 | | 100 | WJBO | 1420 |
| Peoria Heights J-19 | 500 | WTAD | 1440 | | 100 | WJBW | 1200 |
| Quincy K-18 | 500 | KFLV | 1410 | | 500 | WSMB | 1320 |
| Rockford I-19 | 500 | WHBF | 1210 | | 5000 | WWL | 850 |
| Rock Island I-18 | 100 | WCBS | 1210 | Rayne Q-18 | 150 | | 1120 |
| Springfield K-19 | 100 | WTAX | 1210 | Shreveport P-17 | 50 | KRMD | 1310 |
| | 100 | WDZ | 1070 | | 1000 | KTBS | 1450 |
| Tuscola K-20 | 100 | WILL | 890 | | 100 | KTSL | 1310 |
| Urbana J-20 | 250 | WCBD | 1080 | | 100 | KWEA | 1210 |
| Zion I-20 | 5000 | | | | 10000 | KWKH | 850 |
| | | | | MAINE | | | |
| INDIANA | | | | Augusta F-28 | 100 | WRDO | 1370 |
| Anderson J-21 | 100 | WHBU | 1210 | Bangor F-29 | 100 | WABI | 1200 |
| Connerville K-21 | 100 | WKBV | 1500 | | 500 | WLBZ | 620 |
| Culver I-20 | 500 | WCMA | 1400 | Portland F-28 | 1000 | WCSH | 940 |
| Evansville L-20 | 500 | WGBF | 630 | | | | |
| Fort Wayne J-21 | 100 | WGL | 1370 | MARYLAND | | | |
| | 10000 | WOWO | 1160 | Baltimore J-26 | 10000 | WBAL | 1060 |
| Gary I-20 | 1000 | WJKS | 1360 | | 250 | WCAO | 600 |
| Hammond I-20 | 100 | WVAE | 1200 | | 100 | WCBM | 1370 |
| Indianapolis J-21 | 1000 | WFBM | 1230 | | 250 | WFBR | 1270 |
| | 500 | WKBFB | 1400 | Cumberland J-25 | 100 | WTBO | 1420 |
| Lafayette J-20 | 500 | WBAA | 1400 | | | | |
| La Porte I-20 | 100 | WRAF | 1200 | MASSACHUSETTS | | | |
| Marion J-21 | 50 | WJAK | 1310 | Boston G-28 | 1000 | WBIS | 1230 |
| Muncie J-21 | 50 | WLBC | 1310 | | 500 | WBZA | 990 |
| South Bend I-20 | 500 | WSBT | 1230 | | 1000 | WEEL | 590 |
| Terre Haute K-20 | 100 | WBOW | 1310 | | 1000 | WHDH | 830 |
| | | | | | 100 | WLOE | 1500 |
| IOWA | | | | | 1000 | WNAC | 1230 |
| Ames I-17 | 5000 | WOI | 640 | | 500 | WSSH | 1410 |
| Boone I-17 | 100 | KFGQ | 1310 | Fall River H-28 | 250 | WSAR | 1450 |
| Cedar Rapids I-18 | 100 | KWCR | 1310 | Lexington G-28 | 500 | WLEX | 1410 |
| Clarinda J-16 | 500 | KSO | 1380 | | 100 | WLEY | 1370 |
| Council Bluffs J-16 | 1000 | KOIL | 1260 | | 100 | WNBH | 1310 |
| Davenport I-18 | 5000 | WOC | 1000 | New Bedford H-28 | 100 | WNAF | 1410 |
| Decorah H-18 | 50 | KGCA | 1270 | S. Dartmouth H-28 | 500 | WMBW | 1410 |
| | 100 | KWLC | 1270 | Springfield H-27 | 15000 | WBZ | 990 |
| Des Moines I-17 | 5000 | WHO | 1000 | Wellesley Hills G-28 | 500 | WBSO | 920 |
| Fort Dodge I-16 | 100 | KFJY | 1310 | Worcester G-28 | 100 | WEPS | 1200 |
| Iowa City I-18 | 500 | WSU1 | 880 | | 100 | WORC | 1200 |
| Marshalltown I-17 | 100 | KFJB | 1200 | | 250 | WTAG | 580 |
| Muscatine J-18 | 5000 | KTNT | 1170 | | | | |

INDEX BY LOCATIONS WITH MAP KEY

| MICHIGAN | | | NEBRASKA | | |
|----------------------|-------|------------|-----------------------|-------|-----------|
| | Watts | Kcys. | | Watts | Kcys. |
| Battle Creek I-21 | 50 | WELL 1420 | Clay Center | 1000 | KMMJ 740 |
| Bay City H-22 | 500 | WBCM 1410 | Lincoln J-15 | 5000 | KFAB 770 |
| Berrien Springs I-20 | 1000 | WKZO 590 | | 100 | KFOR 1210 |
| Calumet E-19 | 100 | WHDF 1370 | Norfolk I-15 | 500 | WCAJ 590 |
| Detroit H-22 | 50 | WJBK 1370 | North Platte J-13 | 1000 | WJAG 1060 |
| | 5000 | WJR 750 | Omaha J-15 | 500 | KGNF 1430 |
| | 100 | WMBC 1420 | | 500 | WAAW 660 |
| | 1000 | WWJ 920 | Ravenna J-14 | 1000 | WOW 590 |
| | 1000 | WX YZ 1240 | Scottsbluff I-11 | 100 | KGFW 1310 |
| East Lansing H-21 | 1000 | WKAR 1040 | York J-15 | 500 | KGBZ 930 |
| Flint H-22 | 100 | WFDF 1310 | | | |
| | 100 | WPDF 1200 | | | |
| Grand Rapids H-21 | 500 | WASH 1270 | | | |
| | 500 | WOOD 1270 | | | |
| Jackson I-21 | 100 | WIBM 1370 | | | |
| Lapeer H-22 | 100 | WMPC 1500 | | | |
| Ludington H-20 | 50 | WKBZ 1500 | | | |
| Royal Oak H-22 | 50 | WEXL 1310 | | | |
| | | | | | |
| MINNESOTA | | | NEVADA | | |
| Fergus Falls F-15 | 100 | KGDE 1200 | Las Vegas L-5 | 100 | KGIX 1420 |
| Minneapolis G-17 | 7500 | WCCO 810 | Reno I-3 | 500 | KOH 1380 |
| | 1000 | WDGY 1180 | | | |
| | 500 | WHDI 1180 | | | |
| | 1000 | WRHM 1250 | | | |
| Moorhead F-15 | 50 | KGFK 1500 | | | |
| Northfield G-17 | 1000 | KFMX 1250 | | | |
| | 1000 | WCAL 1250 | | | |
| St. Paul G-17 | 1000 | WGMS 1250 | | | |
| | 1000 | WLB 1250 | | | |
| | 10000 | KSTP 1460 | | | |
| | | | | | |
| MISSISSIPPI | | | NEW HAMPSHIRE | | |
| Greenville O-19 | 100 | WRBQ 1210 | Laconia G-28 | 100 | WKAV 1310 |
| Gulfport Q-19 | 100 | WGMG 1210 | | | |
| Hattiesburg Q-19 | 10 | WRBJ 1370 | | | |
| Jackson P-19 | 500 | WJDX 1270 | | | |
| Meridian P-20 | 500 | WCOG 880 | | | |
| Tupelo N-20 | 100 | WDIX 1500 | | | |
| Vicksburg P-18 | 300 | WQBC 1360 | | | |
| | | | | | |
| MISSOURI | | | NEW JERSEY | | |
| Cp. Girardeau L-19 | 100 | KFVS 1210 | Asbury Park I-27 | 500 | WCAP 1280 |
| Columbia K-17 | 500 | KFRU 630 | Atlantic City J-27 | 5000 | WPG 1100 |
| Grant City J-16 | 50 | KGIZ 1500 | Camden I-26 | 500 | WCAM 1280 |
| Jefferson City L-17 | 500 | WOS 630 | Hackensack I-27 | 250 | WBMS 1450 |
| Joplin M-16 | 100 | WMBH 1420 | Jersey City I-27 | 300 | WAAT 940 |
| Kansas City K-16 | 1000 | KMBC 950 | | 250 | WHOM 1450 |
| | 100 | KWKC 1370 | Newark I-27 | 250 | WKBO 1450 |
| | 1000 | WDAF 610 | | 1000 | WAAM 1250 |
| | 500 | WHB 860 | | 250 | WGCP 1250 |
| | 1000 | WQQ 1300 | | 250 | WNJ 1450 |
| St. Joseph K-16 | 2500 | KFEQ 680 | Paterson I-27 | 5000 | WOR 710 |
| | 100 | KGBX 1310 | Red Bank I-27 | 1000 | WODA 1250 |
| St. Louis L-18 | 500 | KFUO 550 | Trenton I-26 | 100 | WJBI 1210 |
| | 100 | KFWF 1200 | | 500 | WOAX 1280 |
| | 50000 | KMOX 1090 | | | |
| | 500 | KSD 550 | | | |
| | 1000 | KWK 1350 | | | |
| | 1000 | WEW 760 | | | |
| | 100 | WIL 1200 | | | |
| | 100 | WMA Y 1200 | | | |
| | | | | | |
| MONTANA | | | NEW MEXICO | | |
| Billings F-9 | 1000 | KGHL 950 | Albuquerque N-7 | 250 | KGGM 1230 |
| Butte F-7 | 500 | KGIR 1360 | Raton M-11 | 50 | KGFL 1370 |
| Great Falls E-8 | 1000 | KFBB 1280 | State College P-9 | 20000 | KOB 1180 |
| Kalispell D-7 | 100 | KGEZ 1310 | | | |
| Wolf Point E-11 | 100 | KGCX 1310 | | | |
| | | | | | |
| | | | NEW YORK | | |
| | | | Auburn H-25 | 100 | WMBO 1310 |
| | | | Binghamton H-26 | 100 | WNBF 1500 |
| | | | Brooklyn I-27 | 500 | WBBC 1400 |
| | | | | 1000 | WBRR 1300 |
| | | | | 500 | WCGU 1400 |
| | | | | 500 | WLTH 1400 |
| | | | | 100 | WMBQ 1500 |
| | | | | 500 | WSDA 1400 |
| | | | | 500 | WSGH 1400 |
| | | | Buffalo H-24 | 1000 | WBEN 900 |
| | | | | 100 | WEBR 1310 |
| | | | | 1000 | WGR 550 |
| | | | | 5000 | WKBW 1480 |
| | | | | 1000 | WMAK 1040 |
| | | | | 50 | WSVS 1370 |
| | | | Canton F-26 | 500 | WCAD 1220 |
| | | | Freeport I-27 | 100 | WGBB 1210 |
| | | | Glens Falls G-27 | 50 | WBGF 1370 |
| | | | Ithaca H-25 | 1000 | WEA1 1270 |
| | | | | 50 | WLCl 1210 |
| | | | Jamaica H-27 | 100 | WMRJ 1210 |
| | | | Jamestown H-24 | 25 | WOCL 1210 |
| | | | Long Island City I-27 | 100 | WLBX 1500 |
| | | | Long Beach I-27 | 100 | WCLB 1500 |

INDEX BY LOCATIONS WITH MAP KEY

| | | | | | | | |
|--------------------|------|------|------|---------------------|-------|------|-------|
| New York City I-27 | 5000 | WABC | 860 | OKLAHOMA | Watts | | Keys. |
| | 250 | WBNY | 1350 | Alva M-14 | 100 | KGFF | 1420 |
| | 250 | WCDA | 1350 | Chickasha N-14 | 250 | KOCW | 1400 |
| | 5000 | WEAF | 660 | Elk City N-13 | 100 | KGMP | 1210 |
| | 500 | WEVD | 1300 | Erid M-15 | 100 | KCRC | 1370 |
| | 250 | WGBS | 600 | Norman N-15 | 500 | WNAD | 1010 |
| | 1000 | WHAP | 1300 | Oklahoma N-15 | 5000 | KFJF | 1480 |
| | 250 | WHN | 1010 | | 100 | KFXR | 1310 |
| | 3000 | WJZ | 760 | | 100 | KGFG | 1370 |
| | 250 | WKBQ | 1350 | | 1000 | WKY | 900 |
| | 5000 | WLWL | 1100 | Ponca City M-15 | 100 | WBBZ | 1200 |
| | 500 | WMCA | 570 | Tulsa M-16 | 5000 | KVOO | 1140 |
| | 250 | WMSG | 1350 | | | | |
| | 500 | WNYC | 570 | OREGON | | | |
| | 1000 | WOV | 1130 | Astoria D-2 | 100 | KFJI | 1370 |
| | 250 | WPAP | 1010 | Corvallis E-2 | 1000 | KOAC | 550 |
| | 500 | WPCH | 810 | Eugene F-2 | 100 | KORE | 1420 |
| | 250 | WQAO | 1010 | Marshfield F-1 | 100 | KOOS | 1370 |
| | 250 | WRNY | 1010 | Medford G-2 | 50 | KMED | 1310 |
| Patchogue I-27 | 100 | WPOE | 1370 | Portland E-3 | 5000 | KEX | 1180 |
| Poughkeepsie H-27 | 500 | WOKO | 1440 | | 100 | KBPS | 1420 |
| Rochester G-25 | 5000 | WHAM | 1150 | | 500 | KFJR | 1300 |
| | 500 | WHEC | 1440 | | 1000 | KGW | 620 |
| Saranac Lake F-26 | 50 | WNBZ | 1290 | | 1000 | KOIN | 940 |
| Schenectady G-27 | 5000 | WGY | 790 | | 500 | KTBR | 1300 |
| Syracuse G-25 | 1000 | WFBL | 1360 | | 500 | KWJJ | 1060 |
| | 250 | WMAC | 570 | | 100 | KXL | 1420 |
| | 250 | WSYR | 570 | | | | |
| Troy G-27 | 500 | WHAZ | 1300 | PENNSYLVANIA | | | |
| Tupper Lake F-26 | 10 | WHDL | 1420 | Allentown I-26 | 250 | WCBA | 1440 |
| Utica G-26 | 100 | WIBX | 1200 | | 250 | WSAN | 1440 |
| Woodside I-27 | 100 | WWRL | 1500 | Altoona I-25 | 100 | WFBG | 1310 |
| Yonkers I-27 | 100 | WCOH | 1210 | Carbondale H-26 | 10 | WNBW | 1200 |
| | | | | Elkins Park I-26 | 50 | WIBG | 930 |
| | | | | Erie H-24 | 30 | WEDH | 1420 |
| | | | | Grove City I-26 | 100 | WSAJ | 1310 |
| | | | | Harrisburg I-25 | 500 | WBKA | 1430 |
| | | | | | 100 | WCOD | 1200 |
| | | | | | 500 | WHP | 1430 |
| | | | | Johnstown J-24 | 100 | WJAC | 1310 |
| | | | | Lancaster I-25 | 100 | WGAL | 1310 |
| | | | | | 100 | WKJC | 1200 |
| | | | | Lewisburg I-26 | 100 | WJBU | 1210 |
| | | | | Oil City I-24 | 500 | WLBW | 1260 |
| | | | | Philadelphia I-26 | 1000 | WCAU | 1170 |
| | | | | | 100 | WELK | 1370 |
| | | | | | 500 | WFAN | 610 |
| | | | | | 500 | WFI | 560 |
| | | | | | 50 | WFKD | 1310 |
| | | | | | 100 | WHAT | 1310 |
| | | | | | 500 | WIP | 610 |
| | | | | | 500 | WLIT | 560 |
| | | | | | 100 | WPEN | 1500 |
| | | | | | 250 | WRAX | 1020 |
| | | | | Pittsburgh J-24 | 5000 | KDKA | 980 |
| | | | | | 500 | KQV | 1380 |
| | | | | | 1000 | WCAE | 1220 |
| | | | | | 1000 | WJAS | 1290 |
| | | | | | 100 | WMBJ | 1500 |
| | | | | Reading I-26 | 50 | WRAW | 1310 |
| | | | | Scranton H-26 | 250 | WGBI | 880 |
| | | | | | 250 | WQAN | 880 |
| | | | | State College I-25 | 500 | WPSC | 1230 |
| | | | | Washington J-24 | 100 | WNBO | 1200 |
| | | | | Wilkes-Barre I-26 | 100 | WBAX | 1210 |
| | | | | | 100 | WBRE | 1310 |
| | | | | Williamsport I-25 | 50 | WRAK | 1370 |
| | | | | | | | |
| | | | | PORTO RICO | | | |
| | | | | San Juan W-34 | 500 | WKAQ | 890 |
| | | | | | | | |
| | | | | RHODE ISLAND | | | |
| | | | | Newport H-28 | 100 | WMBA | 1500 |
| | | | | Pawtucket H-28 | 100 | WPAW | 1210 |
| | | | | | | | |

INDEX BY LOCATIONS WITH MAP KEY

| | | | |
|-----------------|-----|------|------|
| Providence H-28 | 100 | WDWF | 1210 |
| | 250 | WEAN | 780 |
| | 250 | WJAR | 890 |
| | 100 | WLSI | 1210 |

SOUTH CAROLINA

| | | | |
|------------------|-----|------|------|
| Charleston O-25 | 500 | WCSC | 1360 |
| Columbia N-24 | 500 | WIS | 1010 |
| Spartanburg N-23 | 100 | WSPA | 1420 |

SOUTH DAKOTA

| | | | |
|------------------|------|------|------|
| Brookings H-15 | 500 | KFDY | 550 |
| Huron H-14 | 100 | KGDY | 1200 |
| Mitchell H-14 | 50 | KGDA | 1370 |
| Pierre G-13 | 200 | KGFX | 580 |
| Rapid City H-12 | 100 | WCAT | 1200 |
| Sioux Falls I-15 | 2000 | KSOU | 1110 |
| Vermillion I-15 | 500 | KUSD | 890 |
| Watertown G-15 | 100 | KGCR | 1210 |
| Yankton I-15 | 1000 | WNAX | 570 |

TENNESSEE

| | | | |
|-------------------|------|------|------|
| Bristol L-23 | 100 | WOPI | 1500 |
| Chattanooga N-21 | 1000 | WDOD | 1280 |
| Knoxville M-22 | 50 | WFBC | 1200 |
| | 1000 | WNOX | 560 |
| | 100 | WROL | 1310 |
| Lawrenceburg N-20 | 500 | WOAN | 600 |
| Memphis M-19 | 500 | WGBC | 1430 |
| | 100 | WHBQ | 1370 |
| | 500 | WMC | 780 |
| | 500 | WNBR | 1430 |
| | 500 | WREC | 600 |
| Nashville M-20 | 5000 | WLAC | 1470 |
| | 5000 | WSM | 650 |
| | 5000 | WTNT | 1470 |
| Springfield M-20 | 100 | WSIX | 1210 |
| Union City M-19 | 100 | WOBT | 1310 |

TEXAS

| | | | |
|---------------------|-------|------|------|
| Abilene P-13 | 100 | KFYO | 1420 |
| Amarillo N-12 | 1000 | KGRS | 1410 |
| | 250 | WDAG | 1410 |
| | 100 | KUT | 1500 |
| Beaumont R-17 | 500 | KFDM | 560 |
| Brownsville U-15 | 500 | KWWG | 1260 |
| Brownwood P-14 | 100 | KGKB | 1500 |
| College Sta. Q-15 | 500 | WTAW | 1120 |
| Corpus Christi S-14 | 100 | KGFI | 1500 |
| Dallas P-15 | 10000 | KRLD | 1040 |
| | 50000 | WEAA | 800 |
| | 500 | WRR | 1280 |
| Dublin P-14 | 100 | KFPL | 1310 |
| El Paso P-9 | 100 | KTSM | 1310 |
| | 100 | WDAH | 1310 |
| Fort Worth P-15 | 100 | KFJZ | 1370 |
| | 1000 | KTAT | 1240 |
| | 10000 | WBAP | 800 |
| Galveston R-16 | 100 | KFLX | 1370 |
| | 500 | KFUL | 1290 |
| | 15 | KPFM | 1310 |
| Greenville O-15 | 500 | KRGV | 1260 |
| Harlingen T-14 | 1000 | KPRC | 920 |
| Houston R-16 | 500 | KTRF | 1120 |
| | 100 | KXYZ | 1420 |
| | 100 | KTLC | 1310 |
| San Angelo Q-13 | 100 | KGKL | 1370 |
| San Antonio R-14 | 100 | KMAC | 1370 |
| | 100 | KONO | 1370 |
| | 100 | KTAP | 1420 |
| | 1000 | KTSA | 1290 |
| | 50000 | WOAI | 1190 |
| Waco Q-15 | 1000 | WACO | 1240 |
| Wichita Falls O-14 | 250 | KGKO | 570 |

UTAH

| | | | |
|--------------------|------|------|------|
| Ogden I-7 | 500 | KLO | 1400 |
| Salt Lake City I-7 | 1000 | KDYL | 1290 |
| | 5000 | KSL | 1130 |

VERMONT

| | | | |
|------------------|-------|------|-------|
| | Watts | | Kcys. |
| Burlington F-27 | 100 | WCAX | 1200 |
| Rutland G-27 | 100 | | 1500 |
| St. Albans F-27 | 5 | WODM | 1370 |
| Springfield G-27 | 10 | WNBX | 1200 |

VIRGINIA

| | | | |
|-------------------|-------|------|------|
| Alexandria J-26 | 10000 | WJSV | 1460 |
| Arlington J-25 | 1000 | NAA | 690 |
| Danville L-25 | 100 | WBTM | 1370 |
| Emory L-23 | 100 | WEHC | 1200 |
| Lynchburg L-25 | 100 | WLVA | 1370 |
| | 500 | | 590 |
| Newport News L-26 | 100 | WGH | 1310 |
| Norfolk L-26 | 500 | WPOR | 780 |
| | 500 | WTAR | 780 |
| Petersburg L-26 | 100 | WLBG | 1200 |
| Richmond K-26 | 100 | WBBL | 1210 |
| | 100 | WMBG | 1210 |
| | 5000 | WRVA | 1110 |
| Roanoke L-24 | 250 | WDBJ | 930 |
| | 250 | WRBX | 1410 |

WASHINGTON

| | | | |
|----------------|------|------|------|
| Aberdeen D-2 | 75 | KXRO | 1310 |
| Bellingham C-3 | 100 | KVOS | 1200 |
| Everett C-3 | 50 | KFBL | 1370 |
| Lacey D-3 | 10 | KGY | 1200 |
| Longview D-3 | 100 | KUJ | 1500 |
| Pullman E-5 | 1000 | KWSC | 1220 |
| Seattle C-3 | 100 | KFQW | 1420 |
| | 5000 | KJR | 970 |
| | 1000 | KOL | 1270 |
| | 1000 | KOMO | 920 |
| | 100 | KPCB | 650 |
| | 50 | KRSC | 1120 |
| | 1000 | KTW | 1270 |
| | 100 | KVL | 1370 |
| | 500 | KXA | 570 |
| Spokane D-5 | 100 | KFIO | 1120 |
| | 1000 | KFPY | 1340 |
| | 5000 | KGA | 1470 |
| | 1000 | KHQ | 596 |
| Tacoma D-3 | 500 | KMO | 860 |
| | 1000 | KVI | 700 |
| Wenatchee D-4 | 50 | KPQ | 1500 |
| Yakima D-4 | 50 | KIT | 1310 |

WEST VIRGINIA

| | | | |
|-----------------|------|------|------|
| Bluefield L-24 | 100 | WHIS | 1420 |
| Charleston K-23 | 250 | WOBU | 580 |
| Fairmont J-24 | 250 | WMMN | 890 |
| Huntington K-23 | 250 | WSAZ | 580 |
| Wheeling J-24 | 5000 | WWVA | 1160 |

WISCONSIN

| | | | |
|------------------|------|------|------|
| Eau Claire G-18 | 1000 | WTAQ | 1330 |
| Fond du Lac H-19 | 100 | KFIZ | 1420 |
| Green Bay G-19 | 100 | WHBY | 1200 |
| Janesville I-19 | 100 | WCLO | 1200 |
| La Crosse H-18 | 1000 | WKBH | 1380 |
| Madison H-19 | 750 | WHA | 940 |
| | 500 | WIBA | 1280 |
| | 250 | WISJ | 780 |
| Manitowoc H-20 | 100 | WOMT | 1210 |
| Milwaukee H-20 | 250 | WHAD | 1120 |
| | 250 | WISN | 1120 |
| | 1000 | WTMJ | 620 |
| Poynette H-19 | 100 | WIBU | 1310 |
| Racine I-20 | 100 | WRJN | 1370 |
| Sheboygan H-20 | 500 | WHBL | 1410 |
| Stevens Pt. G-19 | 2000 | WLBL | 900 |
| Superior F-17 | 1000 | WEBC | 1290 |

WYOMING

| | | | |
|-------------|-----|------|------|
| Casper H-10 | 100 | KDFN | 1210 |
|-------------|-----|------|------|

INDEX BY LOCATIONS WITH MAP KEY

| CANADA | | | | PRINCE EDWARD ISLAND | | | |
|-------------------------|-------|-------|-------|---------------------------|-------|------|-------|
| | Watts | | Keys. | | Watts | | Keys. |
| ALBERTA | | | | Charlottetown C-31 | | | |
| Calgary B-7 | 500 | CFAC | 690 | | 250 | CFCY | 960 |
| | 500 | CFCN | 690 | | 30 | CHCK | 960 |
| | 500 | CHCA | 690 | Summerside C-31 | 100 | CHGS | 1120 |
| | 500 | CJCI | 690 | QUEBEC | | | |
| | 500 | CNRC | 690 | Montreal E-26 | 500 | CFCF | 1030 |
| Edmonton A-8 | 250 | CHMA | 580 | | 5000 | CHYC | 730 |
| | 500 | CJCA | 930 | | 5000 | CKAC | 730 |
| | 500 | CKUA | 580 | | 5000 | CNRM | 730 |
| | 500 | CNRE | 930 | Quebec D-27 | 100 | CHRC | 880 |
| Lethbridge C-8 | 50 | CJOC | 1120 | | 22 | CKCI | 880 |
| Red Deer A-8 | 1000 | CHCT | 840 | | 50 | CKCV | 880 |
| | 1000 | CKLC | 840 | | 50 | CNRQ | 880 |
| | 1000 | CNRD | 840 | SASKATCHEWAN | | | |
| BRITISH COLUMBIA | | | | Fleming C-13 | 500 | CJRW | 600 |
| Chilliwack B-3 | 5 | CHWK | 1210 | Moose Jaw C-11 | 500 | CJRM | 600 |
| Kamloops B-5 | 15 | CFJC | 1120 | Pilot Butte | 500 | CHWC | 960 |
| Sea Island | 50 | CJOR | 1210 | Regina C-12 | 500 | CJBR | 960 |
| Vancouver B-3 | 50 | CHLS | 730 | | 500 | CKCK | 960 |
| | 50 | CKCD | 730 | Saskatoon B-11 | 500 | CNRR | 960 |
| | 50 | CKFC | 730 | | 500 | CFQC | 910 |
| | 50 | CKMO | 730 | Yorkton C-13 | 500 | CNRS | 910 |
| | 100 | CKWX | 730 | | 500 | CJGX | 630 |
| Victoria C-3 | 500 | CNRV | 1030 | HAITI | | | |
| | 500 | CFCT | 630 | Port au Prince X-30 | 1000 | HHK | 920 |
| MANITOBA | | | | MEXICO | | | |
| Brandon D-14 | 500 | CKX | 540 | Chihuahua, Chih. R-9 | 250 | XFF | 920 |
| Winnipeg D-15 | 5000 | CKY | 780 | Guadalajara, Jal. X-10 | 101 | XEA | 1200 |
| | 5000 | CNRW | 780 | Jalapa, Ver. Y-14 | 350 | XFC | 630 |
| NEW BRUNSWICK | | | | Juarez, Chih. | 101 | XEJ | 860 |
| Fredericton D-29 | 50 | CFNB | 1210 | Merida, Yuc. X-19 | 105 | XEY | 550 |
| Moncton D-30 | 500 | CNRA | 630 | Mexico City Y-13 | 1000 | XEB | 670 |
| St. John D-30 | 50 | CFBO | 890 | | 1000 | XEN | 720 |
| NEWFOUNDLAND | | | | | 101 | XEO | 980 |
| St. Johns A-35 | 500 | 8WMC | 720 | | 101 | XER | 1070 |
| NOVA SCOTIA | | | | | 5000 | XEW | 780 |
| Halifax E-31 | 500 | CHNS | 930 | | 500 | XEX | 920 |
| | 500 | CNRH | 930 | | 500 | XEZ | 700 |
| Louisburg C-32 | 10000 | VAS | 690 | | 50 | XFA | 540 |
| Sydney C-32 | 50 | CJCB | 880 | | 2000 | XFG | 640 |
| Wolfville D-31 | 50 | CKIC | 930 | | 1000 | XFI | 590 |
| ONTARIO | | | | | 500 | XFX | 860 |
| Chatham H-22 | 100 | CFCO | 1210 | Monterrey, N. L. U-13 | 101 | XEH | 960 |
| Cobalt E-23 | 15 | CKMC | 1210 | | 500 | XET | 630 |
| Hamilton H-24 | 10 | CHCS | 880 | Morelia, Mich. Y-12 | 101 | XEI | 1000 |
| | 50 | CHML | 880 | Oaxaca, Oax. AA-14 | 105 | XEF | 1130 |
| | 50 | CKOC | 880 | Reynosa, Tams. | 10000 | XED | 960 |
| Iroquois Falls F-26 | 250 | CFCH | 600 | Saltillo, Coah. | 10 | XEL | 1090 |
| Kingston G-25 | 500 | CFRC | 930 | Tampico, Tams. | 501 | XEM | 765 |
| London H-23 | 1000 | CJGC | 910 | | 500 | XES | 890 |
| | 500 | CNRL | 910 | Toluca, Mex. | 50 | XECI | 1330 |
| Midland G-23 | 50 | CKPR | 930 | Veracruz, Ver. | 101 | XEU | 800 |
| Ottawa F-25 | 100 | CKCO | 890 | Villahermosa, Tab. | 250 | XFE | 920 |
| | 500 | CNRO | 600 | CUBA | | | |
| Prescott F-25 | 50 | CFLC | 1010 | Caibarien W-25 | 250 | CMHD | 920 |
| Preston G-23 | 25 | CKPC | 1210 | Cienfuegos W-25 | 200 | CMHA | 1150 |
| Toronto G-24 | 500 | CFCA | 840 | Colon W-24 | 300 | CMGA | 830 |
| | 500 | CFCL | 580 | Havana W-23 | 150 | CMBC | 1130 |
| | 4000 | CFRB | 960 | | 200 | CMBY | 1405 |
| | 5000 | CJSC | 690 | | 150 | CMBZ | 1010 |
| | 500 | CKCL | 580 | | 500 | CMC | 840 |
| | 5000 | CKGW | 690 | | 100 | CMCE | 1280 |
| | 500 | CKNC | 580 | | 250 | CMCF | 1010 |
| | 500 | CNRT | 840 | | 1000 | CMCQ | 950 |
| | 4000 | CNRX | 960 | | 500 | CMI | 770 |
| | 5000 | CPRY | 690 | | 2000 | CMK | 730 |
| Waterloo G-23 | 50 | CKCR | 1010 | | 150 | CMQ | 1130 |
| Wingham G-23 | 25 | 10-BP | 1200 | | 1000 | CMW | 588 |
| | | | | | 250 | CMX | 900 |
| | | | | Santiago X-28 | 150 | CMKC | 1360 |
| | | | | Tuinucu | 500 | CMHC | 790 |
| | | | | COSTA RICA | | | |
| | | | | San Jose FF-23 | 50 | TIX | 750 |

| | | | |
|---------------------|------------------|--------------------|--------------------|
| CFAC 690 | CJRW 600 | CMKC 1360 | KFDM 560 |
| Calgary, Alta. | Fleming, Sask. | Santiago, Cuba | Beaumont, Tex. |
| CFBO 890 | CJSC 690 | CMQ 1130 | KFDY 550 |
| St. John, N. B. | Toronto, Ont. | Havana, Cuba | Brookings, S.D. |
| CFCA 840 | CKAC 730 | CMW 590 | KFEL 920 |
| Toronto, Ont. | Montreal, Que. | Havana, Cuba | Denver, Colo. |
| CFCF 1030 | CKCD 730 | CMX 900 | KFEQ 680 |
| Montreal, Que. | Vancouver, B.C. | Havana, Cuba | St. Joseph, Mo. |
| CFCH 600 | CKCI 880 | CNRA 630 | KFGQ 1310 |
| Iroq's Falls, Ont. | Quebec, Que. | Moncton, N.B. | Boone, Iowa |
| CFCL 580 | CKCK 960 | CNRC 690 | KFH 1300 |
| Toronto, Ont. | Regina, Sask. | Calgary, Alta. | Wichita, Kansas |
| CFCN 690 | CKCL 580 | CNRD 840 | KFHA 1200 |
| Calgary, Alta. | Toronto, Ont. | Red Deer, Alta. | Gunnison, Colo. |
| CFCO 1210 | CKCO 890 | CNRE 930 | KFI 640 |
| Chatham, Ont. | Ottawa, Ont. | Edmonton, Alta. | Los Angeles, Cal. |
| CFCT 630 | CKCR 1010 | CNRH 930 | KFIO 1120 |
| Victoria, B. C. | Waterloo, Ont. | Halifax, N. S. | Spokane, Wash. |
| CFCY 960 | CKCV 880 | CNRL 910 | KFIU 1310 |
| Ch'lottet'n, P.E.I. | Quebec, Que. | London, Ont. | Juneau, Alaska |
| CFJC 1120 | CKCQ 730 | CNRM 730 | KFIZ 1420 |
| Kamloops, B. C. | Vancouver, B.C. | Montreal, Que. | Fond du Lac, Wis. |
| CFLC 1010 | CKGW 690 | CNRO 600 | KFJB 1200 |
| Prescott, Ont. | Toronto, Ont. | Ottawa, Ont. | Marshalltown, Ia. |
| CFNB 1210 | CKIC 930 | CNRQ 880 | KFJF 1480 |
| Fredericton, N.B. | Wolfville, N.S. | Quebec, Que. | Oklahoma City |
| CFQC 910 | CKLC 840 | CNRR 960 | KFJI 1370 |
| Saskatoon, Sask. | Red Deer, Alta. | Regina, Sask. | Astoria, Ore. |
| CFRB 960 | CKMC 1210 | CNRS 910 | KFJM 1370 |
| Toronto, Ont. | Cobalt, Ont. | Saskatoon, Sask. | Grd. Forks, N.D. |
| CFRC 930 | CKMO 730 | CNRT 840 | KFJR 1300 |
| Kingston, Ont. | Vancouver, B.C. | Toronto, Ont. | Portland, Ore. |
| CHCA 690 | CKNC 580 | CNRV 1030 | KFJY 1310 |
| Calgary, Alta. | Toronto, Ont. | Vancouver, B.C. | Fort Dodge, Ia. |
| CHCK 960 | CKOC 880 | CNRW 780 | KFJZ 1370 |
| Ch'lottet'n, P.E.I. | Hamilton, Ont. | Winnipeg, Man. | Ft. Worth, Tex. |
| CHCS 880 | CKPC 1210 | CNRX 960 | KFKA 880 |
| Hamilton, Ont. | Preston, Ont. | Toronto, Ont. | Greeley, Colo. |
| CHCT 840 | CKPR 930 | CPRY 690 | KFKB 1050 |
| Red Deer, Alta. | Midland, Ont. | Toronto, Ont. | Milford, Kansas |
| CHGS 1120 | CKUA 580 | HHK 920 | KFKU 1220 |
| Sum'rside, P.E.I. | Edmonton, Alta. | Port au Prince, H. | Lawrence, Kans. |
| CHLS 730 | CKWX 730 | KBPS 1420 | KFKX 1020 |
| Vancouver, B.C. | Vancouver, B.C. | Portland, Ore. | Chicago, Ill. |
| CHMA 580 | CKX 540 | KBTM 1200 | KFLV 1410 |
| Edmonton, Alta. | Brandon, Man. | Paragould, Ark. | Rockford, Ill. |
| CHML 880 | CKY 780 | KCRC 1370 | KFLX 1370 |
| Hamilton, Ont. | Winnipeg, Man. | Enid, Okla. | Galveston, Tex. |
| CHNS 930 | CMBC 1130 | KCRJ 1310 | KFMX 1250 |
| Halifax, N.S. | Havana, Cuba | Jerome, Ariz. | N'thfield, Minn. |
| CHRC 880 | CMBY 1400 | KDB 1500 | KFNF 890 |
| Quebec, Que. | Havana, Cuba | S. Barbara, Cal. | Shenandoah, Ia. |
| CHWC 960 | CMBZ 1010 | KDFN 1210 | KFOR 1210 |
| Pilot Butte, Sask. | Havana, Cuba | Casper, Wyo. | Lincoln, Nebr. |
| CHWK 1210 | CMC 840 | KDKA 980 | KFOX 1250 |
| Chilliwack, B.C. | Havana, Cuba | Pittsburgh, Pa. | Long Beach, Cal. |
| CHYC 730 | CMCE 1280 | KDLR 1210 | KFPL 1310 |
| Montreal, Que. | Havana, Cuba | Devils Lake, N.D. | Dublin, Texas |
| CJBR 960 | CMCF 1010 | KDYL 1290 | KFPM 1310 |
| Regina, Sask. | Havana, Cuba | Salt Lake City | Greenville, Tex. |
| CJCA 930 | CMCQ 950 | KECA 1430 | KFPW 1340 |
| Edmonton, Alta. | Havana, Cuba | Los Angeles, Cal. | Ft. Smith, Ark. |
| CJCB 880 | CMGA 830 | KELW 780 | KFPY 1340 |
| Sydney, N.S. | Colon, Cuba | Burbank, Cal. | Spokane, Wash. |
| CJ CJ 690 | CMHA 1150 | KEX 1180 | KFQD 1230 |
| Calgary, Alta. | Cienfuegos, Cuba | Portland, Ore. | Anchorage, Alas. |
| CJGC 910 | CMHC 790 | KFAB 770 | KFQU 1420 |
| London, Ont. | Tuinucu, Cuba | Lincoln, Nebr. | Holy City, Cal. |
| CJGX 630 | CMHD 920 | KFBB 1280 | KFWW 1420 |
| Yorkton, Sask. | Caibarien, Cuba | Great Fls., Mont. | Seattle, Wash. |
| CJOC 1120 | CMI 770 | KFBK 1310 | KFRC 610 |
| Lethbridge, Alta. | Havana, Cuba | Sacramento, Cal. | San F'ncisco, Cal. |
| CJOR 1210 | CMK 730 | KFBL 1370 | KFRU 630 |
| Sea Island, B.C. | Havana, Cuba | Everett, Wash. | Columbia, Mo. |
| CJRM 600 | | | |
| Moose Jaw, Sask. | | | |

KFSD 600
 San Diego, Cal.
 KFSG 1120
 Los Angeles, Cal.
 KFUL 1290
 Galveston, Tex.
 KPUM 1270
 Col. Spgs., Colo.
 KPFO 550
 St. Louis, Mo.
 KFPUP 1310
 Denver, Colo.
 KPFVD 1000
 Culver City, Cal.
 KPFVS 1210
 Cape Gir'rd'u, Mo
 KPFWB 950
 Hollywood, Cal.
 KFWF 1200
 St. Louis, Mo.
 KFWI 930
 San F'n'cisco, Cal.
 KFXD 1420
 Nampa, Idaho
 KFXF 920
 Denver, Colo.
 KFXJ 1310
 Edgewater, Colo.
 KFKM 1210
 San Ber'd'no, Cal.
 KFXR 1310
 Oklahoma City
 KFXV 1420
 Flagstaff, Ariz.
 KFYR 550
 Bismarck, N.D.
 KGA 1470
 Spokane, Wash.
 KGAR 1370
 Tucson, Ariz.
 KGB 1330
 San Diego, Cal.
 KGBU 900
 Ketchikan, Al'ka.
 KGBX 1310
 St. Joseph, Mo.
 KGBZ 930
 York, Nebr.
 KGCA 1270
 Decorah, Iowa
 KGGR 1210
 Watertown, S.D.
 KGCU 1200
 Mandan, N.D.
 KGCX 1310
 Wolf P't, Mont.
 KGDA 1370
 Mitchell, S. D.
 KGDE 1200
 Ferg's F'lls, Minn
 KGDM 1100
 Stockton, Cal.
 KGDY 1200
 Huron, S. D.
 KGEF 1300
 Los Angeles, Cal.
 KGEK 1200
 Yuma, Colo.
 KGER 1360
 Long Beach, Cal.
 KGEW 1200
 Ft. Morgan, Colo.
 KGEZ 1310
 Kalispell, Mont.

KGFF 1420
 Alva, Okla.
 KGFG 1370
 Oklahoma City
 KGFI 1500
 Corpus Ch'sti, Tex
 KGFIJ 1200
 Los Angeles, Cal.
 KGFK 1500
 Moorhead, Minn.
 KGFL 1370
 Raton, N. M.
 KGFW 1310
 Ravenna, Nebr.
 KGFX 580
 Pierre, S. D.
 KGGC 1420
 San F'n'cisco, Cal.
 KGGF 1010
 Coffeyville, Kans.
 KGGM 1230
 Alb'q'rque, N.M.
 KGHF 1320
 Pueblo, Colo.
 KGHI 1200
 Little Rock, Ark.
 KGHL 950
 Billings, Mont.
 KGIQ 1320
 Twin Falls, Ida.
 KGIR 1360
 Butte, Mont.
 KGIW 1420
 Trinidad, Colo.
 KGIX 1420
 Las Vegas, Nev.
 KGIZ 1500
 Grant City, Mo.
 KGJF 890
 Little Rock, Ark.
 KGKB 1500
 Brownwood, Tex.
 KGKL 1370
 San Angelo, Tex.
 KGKO 570
 Wichita Flls., Tex
 KGGX 1420
 Sand Point, Ida.
 KGKY 1500
 Scottsbluff, Nebr.
 KGMB 1320
 Honolulu, T. H.
 KGMP 1210
 Elk City, Okla.
 KGNF 1430
 No. Platte, Neb.
 KGNO 1210
 Dodge City, Kans.
 KGO 790
 San F'n'cisco, Cal.
 KGRS 1410
 Amarillo, Texas
 KGU 940
 Honolulu, Hawaii
 KGW 620
 Portland, Ore.
 KGY 1200
 Lacey, Wash.
 KHJ 900
 Los Angeles, Cal.
 KHQ 590
 Spokane, Wash.
 KICK 1420
 Red Oak, Iowa.
 KID 1320
 Idaho Falls, Ida.

KIDO 1250
 Boise, Idaho
 KIT 1310
 Yakima, Wash.
 KJBS 1070
 San F'n'cisco, Cal.
 KJR 970
 Seattle, Wash.
 KLCN 1290
 Blytheville, Ark.
 KLO 1400
 Oden, Utah
 KLPM 1420
 Minot, N. Dak.
 KLRA 1390
 Little Rock, Ark.
 KLS 1440
 Oakland, Cal.
 KLX 880
 Oakland, Cal.
 KLZ 560
 Denver, Colo.
 KMA 930
 Shenandoah, Ia.
 KMAC 1370
 San Antonio, Tex.
 KMBC 950
 Kan. City, Mo.
 KMED 1310
 Medford, Ore.
 KMIC 1120
 Inglewood, Cal.
 KMJ 1210
 Fresno, Cal.
 KMLB 1200
 Monroe, La.
 KMMJ 740
 Clay Ctr., Nebr.
 KMO 860
 Tacoma, Wash.
 KMOX 1090
 St. Louis, Mo.
 KMPC 710
 Los Angeles, Cal.
 KMTR 570
 Los Angeles, Cal.
 KNX 1050
 Los Angeles, Cal.
 KOA 830
 Denver, Colo.
 KOAC 550
 Corvallis, Ore.
 KOB 1180
 State Coll., N. M.
 KOCW 1400
 Chickasha, Okla.
 KOH 1380
 Reno, Nevada
 KOIL 1260
 Council Bluffs, Ia.
 KOIN 940
 Portland, Ore.
 KOL 1270
 Seattle, Wash.
 KOMO 920
 Seattle, Wash.
 KONO 1370
 San Antonio, Tex
 KOOS 1370
 Marshfield, Ore.
 KORE 1420
 Eugene, Ore.
 KOY 1390
 Phoenix, Ariz.
 KPBC 650
 Seattle, Wash.

KPJM 1500
 Prescott, Ariz.
 KPO 680
 San F'n'cisco, Cal.
 KPOF 880
 Denver, Colo.
 KPPC 1210
 Pasadena, Cal.
 KPQ 1500
 Wenatchee, Wash
 KPRC 920
 Houston, Texas
 KPSN 1360
 Pasadena, Cal.
 KQV 1380
 Pittsburgh, Pa.
 KQW 1010
 San Jose, Cal.
 KRE 1370
 Berkeley, Cal.
 KREG 1500
 Santa Ana, Cal.
 KRGV 1260
 Harlingen, Texas
 KRLD 1040
 Dallas, Texas
 KRMD 1310
 Shreveport, La.
 KROW 930
 Oakland, Cal.
 KRSC 1120
 Seattle, Wash.
 KSAC 580
 Manh'tt'n, Kans.
 KSCJ 1330
 Sioux City, Ia.
 KSD 550
 St. Louis, Mo.
 KSEI 900
 Pocatello, Idaho
 KSL 1130
 Salt Lake City
 KSMR 1200
 Santa Maria, Cal.
 KSO 1380
 Clarinda, Iowa
 KSOO 1110
 Sioux Falls, S.D.
 KSTP 1460
 St. Paul, Minn.
 KTAB 560
 San F'n'cisco, Cal.
 KTAP 1420
 San Antonio, Tex.
 KTAR 620
 Phoenix, Ariz.
 KTAT 1240
 Ft. Worth, Tex.
 KTBI 1300
 Los Angeles, Cal.
 KTBR 1300
 Portland, Ore.
 KTBS 1450
 Shreveport, La.
 KTHS 1040
 Hot Spgs., Ark.
 KTLC 1310
 Houston, Texas
 KTM 780
 Los Angeles, Cal.
 KTNF 1170
 Muscatine, Iowa
 KTRH 1120
 Houston, Texas
 KTSA 1290
 San Antonio, Tex.

KTSL 1310
 Shreveport, La.
 KTSM 1310
 El Paso, Texas
 KTW 1270
 Seattle, Wash.
 KUJ 1500
 Longview, Wash.
 KUOA 1390
 Fayetteville, Ark.
 KUSD 890
 Vermillion, S. D.
 KUT 1500
 Austin, Texas
 KVI 760
 Tacoma, Wash.
 KVL 1370
 Seattle, Wash.
 KVOA 1260
 Tucson, Arizona
 KVOO 1140
 Tulsa, Okla.
 KVOS 1200
 Bellingh'm, Wash.
 KWCR 1310
 Cedar Rapids, Ia.
 KWEA 1210
 Shreveport, La.
 KWG 1200
 Stockton, Cal.
 KWJJ 1060
 Portland, Ore.
 KWK 1350
 St. Louis, Mo.
 KWKC 1370
 Kansas City, Mo.
 KWKH 850
 Shreveport, La.
 KWLC 1270
 Decorah, Iowa
 KWSC 1220
 Pullman, Wash.
 KWVG 1260
 Brownsville, Tex.
 KXA 570
 Seattle, Wash.
 KXL 1420
 Portland, Ore.
 KXO 1500
 El Centro, Cal.
 KXRO 1310
 Aberdeen, Wash.
 KXYZ 1420
 Houston, Texas
 KYA 1230
 San F'nisco, Cal.
 KYW 1020
 Chicago, Ill.
 KZM 1370
 Hayward, Cal.
 NAA 690
 Arlington, Va.
 NBA 850
 Balboa, C. Z.
 TIX 750
 San Jose, C. R.
 VAS 690
 Louisburg, N. S.
 WAAF 920
 Chicago, Ill.
 WAAM 1250
 Newark, N. J.
 WAAT 940
 Jersey City, N. J.
 WAAW 660
 Omaha, Nebr.

WABC 860
 New York City
 WABI 1200
 Bangor, Maine
 WABZ 1200
 New Orleans, La.
 WACO 1240
 Waco, Texas
 WADC 1320
 Akron, Ohio
 WAIU 640
 Columbus, Ohio
 WALR 1210
 Zanesville, Ohio
 WAPI 1140
 Birmingham, Ala.
 WASH 1270
 Gr. Rapids, Mich.
 WBAA 1400
 Lafayette, Ind.
 WBAK 1430
 Harrisburg, Pa.
 WBAL 1060
 Baltimore, Md.
 WBAM 1440
 Greensboro, N. C.
 Fort Worth, Tex.
 WBAX 1210
 Wilkes-Barre, Pa.
 WBBC 1400
 Brooklyn, N. Y.
 WBBL 1210
 Richmond, Va.
 WBBM 770
 Chicago, Ill.
 WBBR 1300
 Brooklyn, N. Y.
 WBBZ 1200
 Ponca City, Okla.
 WBCM 1410
 Bay City, Mich.
 WBEN 900
 Buffalo, N. Y.
 WBGF 1370
 Glens Falls, N. Y.
 WBIS 1230
 Boston, Mass.
 WBMS 1450
 Hackensack, N.J.
 WBNY 1350
 New York City
 WBOW 1310
 Terre Haute, Ind.
 WBRC 930
 Birmingham, Ala.
 WBRE 1310
 Wilkes-Barre, Pa.
 WBSO 920
 Well'v'rh's, Mass
 WBT 1080
 Charlotte, N. C.
 WBTM 1370
 Danville, Va.
 WBZ 990
 Springfield, Mass.
 WBZA 990
 Boston, Mass.
 WCAC 600
 Storrs, Conn.
 WCAD 1220
 Canton, N. Y.
 WCAE 1220
 Pittsburgh, Pa.

WCAH 1430
 Columbus, Ohio
 WCAJ 590
 Lincoln, Nebr.
 WCAL 1250
 Northfield, Minn.
 WCAM 1280
 Camden, N. J.
 WCAO 600
 Baltimore, Md.
 WCAP 1280
 Asbury Pk., N. J.
 WCAT 1200
 Rapid City, S. D.
 WCAU 1170
 Philadelphia, Pa.
 WCAX 1200
 Burlington, Vt.
 WCAZ 1070
 Carthage, Ill.
 WCBA 1440
 Allentown, Pa.
 WCBL 1080
 Zion, Ill.
 WCBM 1370
 Baltimore, Md.
 WCBS 1210
 Springfield, Ill.
 WCCO 810
 Minneap., Minn.
 WCDA 1350
 New York City
 WCFL 970
 Chicago, Ill.
 WCGU 1400
 Brooklyn, N. Y.
 WCKY 1490
 Covington, Ky.
 WCLB 1500
 Long Beach, N.Y.
 WCLO 1200
 Janesville, Wis.
 WCLS 1310
 Joliet, Ill.
 WCMA 1400
 Culver, Ind.
 WCOA 1340
 Pensacola, Fla.
 WCOC 880
 Meridian, Miss.
 WCOD 1200
 Harrisburg, Pa.
 WCOH 1210
 Yonkers, N. Y.
 WCRW 1210
 Chicago, Ill.
 WCSC 1360
 Charleston, S. C.
 WCSH 940
 Portland, Maine
 WCOS 1450
 Springfield, Ohio
 WDAE 1220
 Tampa, Fla.
 WDAF 610
 Kansas City, Mo.
 WDAG 1410
 Amerillo, Texas
 WDAH 1310
 El Paso, Texas
 WDAY 940
 Fargo, N. D.
 WDBJ 930
 Roanoke, Va.
 WDBO 1120
 Orlando, Fla.

WDEL 1120
 Wilmington, Del.
 WDGY 1180
 Minneap., Minn.
 WDX 1500
 Tupelo, Miss.
 WDOD 1280
 Chattanooga, Tenn
 WDRC 1330
 N. Haven, Conn.
 WDSU 1250
 New Orleans, La.
 WDW 1210
 Providence, R. I.
 WDWZ 1070
 Tuscola, Ill.
 WEAF 660
 New York City
 WEAI 1270
 Ithaca, N. Y.
 WEAN 780
 Providence, R. I.
 WEO 570
 Columbus, Ohio
 WECB 1290
 Superior, Wis.
 WEBQ 1210
 Harrisburg, Ill.
 WEBR 1310
 Buffalo, N. Y.
 WEDC 1210
 Chicago, Ill.
 WEDH 1420
 Erie, Pa.
 WEI 590
 Boston, Mass.
 WEHC 1200
 Emory, Va.
 WEHS 1420
 Evanston, Ill.
 WELK 1370
 Philadelphia, Pa.
 WELL 1420
 BattleCreek, Mich
 WENR 870
 Chicago, Ill.
 WEPS 1200
 Worcester, Mass.
 WEVD 1300
 New York City
 WEW 760
 St. Louis, Mo.
 WEXL 1310
 Royal Oak, Mich.
 WFAA 800
 Dallas, Texas
 WFAN 610
 Philadelphia, Pa.
 WFCB 1200
 Knoxville, Tenn.
 WFBE 1200
 Cincinnati, Ohio
 WFBG 1310
 Altoona, Pa.
 WFLB 1360
 Syracuse, N. Y.
 WFBM 1230
 Indianapolis, Ind.
 WFR 1270
 Baltimore, Md.
 WDFD 1310
 Flint, Mich.
 WFDV 1370
 Rome, Ga.

WFDW 1420
Talladega, Ala.
WFI 560
Philadelphia, Pa.
WFIW 940
Hopkinsville, Ky.
WFJC 1450
Akron, Ohio
WFKD 1310
Philadelphia, Pa.
WFLA 620
Clearwater, Fla.
WGAL 1310
Lancaster, Pa.
WGAR 1450
Cleveland, Ohio
WGBB 1210
Freeport, N. Y.
WGBC 1430
Memphis, Tenn.
WGBF 630
Evansville, Ind.
WGBI 880
Scranton, Pa.
WGBS 600
New York City
WGCM 1210
Gulfport, Miss.
WGCP 1250
Newark, N. J.
WGES 1360
Chicago, Ill.
WGH 1310
Newsp't News, Va.
WGL 1370
Ft. Wayne, Ind.
WGMS 1250
St. Paul, Minn.
WGN 720
Chicago, Ill.
WGR 550
Buffalo, N. Y.
WGST 890
Atlanta, Ga.
WGY 790
Schenec'd'y, N. Y.
WHA 940
Madison, Wis.
WHAD 1120
Milwaukee, Wis.
WHAM 1150
Rochester, N. Y.
WHAP 1300
New York City
WHAS 820
Louisville, Ky.
WHAT 1310
Philadelphia, Pa.
WHAZ 1300
Troy, N. Y.
WHB 860
Kansas City, Mo.
WHBC 1200
Canton, Ohio
WHBD 1370
Mt. Orab, O.
WHBF 1210
Rock Island, Ill.
WHBL 1410
Sheboygan, Wis.
WHBQ 1370
Memphis, Tenn.
WHBU 1210
Anderson, Ind.

WHBY 1200
Green Bay, Wis.
WHDF 1370
Calumet, Mich.
WHDH 830
Boston, Mass.
WHDI 1180
Minneap., Minn.
WHDL 1420
TupperLake, N. Y.
WHEC 1440
Rochester, N. Y.
WHFC 1420
Cicero, Ill.
WHIS 1420
Bluefield, W. Va.
WHK 1390
Cleveland, Ohio
WHN 1010
New York City
WHO 1000
Des Moines, Ia.
WHOM 1450
Jersey City, N. J.
WHP 1430
Harrisburg, Pa.
WIAS 1420
Ottumwa, Iowa
WIBA 1280
Madison, Wis.
WIBG 930
Elkins Park, Pa.
WIBM 1370
Jackson, Mich.
WIBO 560
Chicago, Ill.
WIBR 1420
Steubenville, O.
WIBU 1310
Poynette, Wis.
WIBW 580
Topeka, Kansas
WIBX 1200
Utica, N. Y.
WICC 1190
Bridgeport, Conn.
WIL 1200
St. Louis, Mo.
WILL 890
Urbana, Ill.
WILM 1420
Wilmington, Del.
WIOD 1300
Miami Beh., Fla.
WIP 610
Philadelphia, Pa.
WIS 1010
Columbia, S. C.
WISJ 780
Madison, Wis.
WISN 1120
Milwaukee, Wis.
WJAC 1310
Johnstown, Pa.
WJAG 1060
Norfolk, Nebr.
WJAK 1310
Marion, Ind.
WJAR 890
Providence, R. I.
WJAS 1290
Pittsburgh, Pa.
WJAX 900
Jacksonville, Fla.
WJAY 610
Cleveland, Ohio

WJAZ 1490
Chicago, Ill.
WJBC 1200
La Salle, Ill.
WJBI 1210
Red Bank, N. J.
WJBK 1370
Detroit, Mich.
WJBL 1200
Decatur, Ill.
WJBO 1420
New Orleans, La.
WJBT 770
Chicago, Ill.
WJBU 1210
Lewisburg, Pa.
WJBW 1200
New Orleans, La.
WJBY 1210
Gadsden, Ala.
WJDX 1270
Jackson, Miss.
WJDD 1150
Mooseheart, Ill.
WJKS 1360
Gary, Ind.
WJR 750
Detroit, Mich.
WJSV 1460
Alexandria, Va.
WJW 1210
Mansfield, Ohio
WJZ 760
New York City
WKAQ 890
San Juan, P. R.
WKAR 1040
E. Lansing, Mich.
WKAV 1310
Laconia, N. H.
WKBB 1310
Joliet, Ill.
WKBC 1310
Birmingham, Ala.
WKBF 1400
Indianapolis, Ind.
WKBH 1380
La Crosse, Wis.
WKBI 1420
Chicago, Ill.
WKBN 570
Youngstown, O.
WKBO 1450
Jersey City, N. J.
WKBQ 1350
New York City
WKBS 1310
Galesburg, Ill.
WKBV 1500
Connersville, Ind.
WKBW 1480
Buffalo, N. Y.
WKBZ 1500
Ludington, Mich.
WKJC 1200
Lancaster, Pa.
WKRC 550
Cincinnati, O.
WKY 900
Oklahoma City
WKZO 590
Be'n Spgs., Mich.
WLAC 1470
Nashville, Tenn.
WLAP 1200
Louisville, Ky.

WLB 1250
St. Paul, Minn.
WLBC 1310
Muncie, Ind.
WLBF 1420
Kansas City, Ks.
WLBG 1200
Ettrick, Va.
WLBL 900
Stevens Pt., Wis.
WLWB 1260
Oil City, Pa.
WLBX 1500
L.I. City, N. Y.
WLBZ 620
Bangor, Me.
WLCI 1210
Ithaca, N. Y.
WLEX 1410
Lexington, Mass.
WLEY 1370
Lexington, Mass.
WLIF 560
Philadelphia, Pa.
WLOE 1500
Boston, Mass.
WLS 870
Chicago, Ill.
WLSI 1210
Providence, R. I.
WLTH 1400
Brooklyn, N. Y.
WLVA 1370
Lynchburg, Va.
WLW 700
Cincinnati, Ohio
WLWL 1100
New York City
WMAC 570
Syracuse, N. Y.
WMAF 1410
S. D'r'tm'th, Mass.
WMAK 1040
Buffalo, N. Y.
WMAL 630
Washington, D. C.
WMAQ 670
Chicago, Ill.
WMAZ 1200
St. Louis, Mo.
WMAZ 890
Macon, Ga.
WMBA 1500
Newport, R. I.
WMBC 1420
Detroit, Mich.
WMBD 1440
Peoria Hghts., Ill.
WMBG 1210
Richmond, Va.
WMBH 1420
Joplin, Mo.
WMBI 1080
Chicago, Ill.
WMBJ 1500
Pittsburgh, Pa.
WMOB 1310
Auburn, N. Y.
WMBQ 1500
Brooklyn, N. Y.
WMBR 1370
Tampa, Fla.
WMC 780
Memphis, Tenn.
WMCA 570
New York City

WMMN 890
Fairmont, W.Va.
WMPG 1500
Lapeer, Mich.
WMRJ 1210
Jamaica, N. Y.
WMSG 1350
New York City
WMT 600
Waterloo, Iowa
WNAC 1230
Boston, Mass.
WNAD 1010
Norman, Okla.
WNAX 570
Yankton, S. D.
WNBF 1500
Bingh'm't'n, N. Y.
WNBH 1310
New B'd'd, Mass.
WNBO 1200
Washington, Pa.
WNBR 1430
Memphis, Tenn.
WNBW 1200
Carbondale, Pa.
WNBX 1200
Springfield, Vt.
WNBZ 1290
Saranac'l'ke, N. Y.
WNJ 1450
Newark, N. J.
WNOX 560
Knoxville, Tenn.
WNYC 570
New York City
WOAI 1190
San Antonio, Tex.
WOAN 600
Law'nceb'g, Tenn.
WOAX 1280
Trenton, N. J.
WOBT 1310
Union City, Tenn.
WOBW 580
Charlest'n, W.Va.
WOC 1000
Davenport, Iowa
WOCL 1210
Jamestown, N. Y.
WODA 1250
Paterson, N. J.
WODX 1410
Mobile, Ala.
WOI 640
Ames, Iowa
WOKO 1440
P'ghkeepsie, N. Y.
WOL 1310
Washington, D. C.
WOMB 1210
Manitowoc, Wis.
WOOD 1270
Gr. Rapids, Mich.
WOPI 1500
Bristol, Tenn.
WOQ 1300
Kansas City, Mo.
WOR 710
Newark, N. J.
WORC 1200
Worcester, Mass.
WORD 1490
Chicago, Ill.
WOS 630
Jeff's'n City, Mo.

WOV 1130
New York City
WOW 590
Omaha, Nebr.
WOWO 1160
Ft. Wayne, Ind.
WPAD 1420
Paducah, Ky.
WPAP 1010
New York City
WPAW 1210
Pawtucket, R. I.
WPCC 560
Chicago, Ill.
WPCB 810
New York City
WPDF 1200
Flint, Mich.
WPEN 1500
Philadelphia, Pa.
WPG 1100
Atl'ntic City, N. J.
WPOE 1370
Patchogue, N. Y.
WPOR 780
Norfolk, Va.
WPSC 1230
State College, Pa.
WPTF 680
Raleigh, N. C.
WQAM 560
Miami, Fla.
WQAN 880
Scranton, Pa.
WQAO 1010
New York City
WQDM 1370
St. Albans, Vt.
WQDV 1500
Tupelo, Miss.
WQDX 1210
Thomasville, Ga.
WRAF 1200
La Porte, Ind.
WRAK 1370
Williamsport, Pa.
WRAW 1310
Reading, Pa.
WRAX 1020
Philadelphia, Pa.
WRBJ 1370
Hattiesburg, Miss.
WRBL 1200
Columbus, Ga.
WRBQ 1210
Greenville, Miss.
WRBT 1370
Wilmington, N. C.
WRBU 1210
Gastonia, N. C.
WRBX 1410
Roanoke, Va.
WRC 950
Washington, D. C.
WRDO 1370
Augusta, Me.
WRDW 1500
Augusta, Ga.
WREC 600
Memphis, Tenn.
WREN 1220
Lawrence, Kans.
WRHM 1250
Minneapolis, Minn.
WRJN 1370
Racine, Wis.
WRNY 1010
New York City

WROL 1310
Knoxville, Tenn.
WRR 1280
Dallas, Texas
WRUF 830
Gainesville, Fla.
WRVA 1110
Richmond, Va.
WSAI 1330
Cincinnati, Ohio
WSAJ 1310
Grove City, Pa.
WSAN 1440
Allentown, Pa.
WSAR 1450
Fall River, Mass.
WSAZ 580
Hunt'gton, W. Va.
WSB 740
Atlanta, Ga.
WSBC 1210
Chicago, Ill.
WSBT 1230
South Bend, Ind.
WSDA 1400
Brooklyn, N. Y.
WSEN 1210
Columbus, Ohio
WSFA 1410
Montgomery, Ala.
WSGH 1400
Brooklyn, N. Y.
WSIX 1210
Springfield, Tenn.
WSJS 1310
Winst.-Sal., N. C.
WSM 650
Nashville, Tenn.
WSMB 1320
New Orleans, La.
WSMK 1380
Dayton, Ohio
WSPA 1420
Spartanburg, S. C.
WSPD 1340
Toledo, Ohio
WSSH 1410
Boston, Mass.
WSUI 880
Iowa City, Ia.
WSUN 620
St. Petersb'g, Fla.
WSVS 1370
Buffalo, N. Y.
WSYR 570
Syracuse, N. Y.
WTAD 1440
Quincy, Ill.
WTAG 580
Worcester, Mass.
WTAM 1070
Cleveland, Ohio
WTAQ 1330
Eau Claire, Wis.
WTAR 780
Norfolk Va.
WTAW 1120
College Sta., Tex.
WTAX 1210
Springfield, Ill.
WTBO 1420
Cumberland, Md.
WTFI 1450
Toccoa, Ga.
WTIC 1060
Hartford, Conn.
WTMJ 620
Milwaukee, Wis.

WTNT 1470
Nashville, Tenn.
WTOC 1260
Savannah, Ga.
WWAE 1200
Hammond, Ind.
WWJ 920
Detroit, Mich.
WWL 850
New Orleans, La.
WWNC 570
Asheville, N. C.
WWRL 1500
Woodside, N. Y.
WWVA 1160
Wheeling, W. Va.
WXYZ 1240
Detroit, Mich.
XEA 1200
Guadalajara, Jal.
XEB 570
Mexico City
XEC 1330
Toluca, Mex.
XED 960
Reynosa, Tams.
XEF 1130
Oaxaca, Oax.
XEH 960
Monterrey, N. L.
XEI 1000
Morelia, Mich.
XEJ 860
Juarez, Chih.
XEL 1090
Saltillo, Coah.
XEM 765
Tampico, Tams.
XEN 720
Mexico City
XEO 980
Mexico City
XER 1070
Mexico City
XES 890
Tampico, Tamp.
XET 630
Monterrey, N. L.
XEU 800
Veracruz, Ver.
XEW 780
Mexico City
XEX 920
Mexico City
XEY 550
Merida, Yuc.
XEZ 700
Mexico City
XFA 540
Mexico City
XFC 630
Jalapa, Ver.
XFE 920
Villahermosa, Tab.
XFF 920
Chihuahua, Chih.
XFG 640
Mexico City
XFI 590
Mexico City
XFX 860
Mexico City
8WMC 720
St. Johns, N. F.
10BP 1200
Wingham, Ont.

Principal Broadcasting Stations of the World

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| Keys. | Call | Watts | City | Country | Keys. | Call | Watts | City | Country |
|-------|------|-------|------------------|-------------|-------|-------|-------|------------------|----------------|
| 119 | | | Berlin | Germany | | | | | |
| 155 | RYK | 7000 | Kovno | Lithuania | | | | | |
| 160 | PH9 | 6200 | Huizen | Netherlands | | | | | |
| 162 | TNU | | Carthage | Tunisia | | | | | |
| 166 | | 40000 | Lahfi | Finland | 553 | SBD | 600 | Sundsvall | Sweden |
| 167 | | 1000 | Norddeisch | Germany | 563 | | 4000 | Munich | Germany |
| 174 | | 13500 | Paris | France | 571 | RA30 | 1000 | Dneipropetrovsk | Russia |
| 176 | RA43 | 4000 | Kharkov | Russia | 571 | YLZ | 10000 | Riga | Latvia |
| 187 | | 5000 | Angora | Turkey | 580 | RA38 | 1000 | Krasnodar | Russia |
| 193 | 5XX | 25000 | Daventry | Un. Kingdom | 580 | Z7L | 600 | Hobart | Australia |
| 202.5 | | 12000 | Warsaw | Poland | 581 | | 15000 | Vienna | Austria |
| 207 | RA1 | 40000 | Moscow | Russia | 590 | ON4RB | 3600 | Brussels | Belgium |
| 207.5 | FL | 15000 | Paris | France | 599 | IMI | 7000 | Milan | Italy |
| 222 | SBG | 30000 | Motala | Sweden | | | | | |
| 231 | AFT | 10000 | Berlin | Germany | | | | | |
| 240 | TUA | 500 | Tunis | Tunisia | | | | | |
| 250 | | | Tallinn | Estonia | | | | | |
| 250 | | 6000 | Osmanie | Turkey | | | | | |
| 250 | SBE | 600 | Boden | Sweden | 600 | CWOW | | Montevideo | Uruguay |
| 260 | | 7500 | Kalundborg | Denmark | 606 | XGZ | 500 | Nanking | China |
| 269 | RA33 | 4000 | Novorossisk | Russia | 608 | LKO | 60000 | Oslo | Norway |
| 272 | RA57 | 500 | Irkutsk | Russia | 616 | OKP | 5000 | Prague | Czechoslovakia |
| 278 | RA67 | 1200 | Malchik | Russia | | | | | |
| 279 | PCF | 1500 | Scheveningen | Netherlands | 620 | 3AR | 1000 | Melbourne | Australia |
| 280 | PFBI | 7000 | Hilversum | Netherlands | 625 | COTN | 500 | Tientsin | China |
| 285 | RA15 | 500 | Sverdlovsk | Russia | 625 | CMAB | 1000 | Santiago | Chile |
| 285 | RA49 | 1200 | Erivan | Russia | 625 | RA17 | 1500 | Vladivostok | Russia |
| 300 | RA42 | 10000 | Leningrad | Russia | 626 | 5GB | 25000 | Daventry | Un. Kingdom |
| 307 | RA40 | 1200 | Odessa | Russia | 631 | RA43 | 4000 | Kharkov | Russia |
| 316 | RA12 | 1200 | Voronezh | Russia | 633 | EAJ8 | 1000 | San Sebastian | Spain |
| 325 | RA39 | 1200 | Gomel | Russia | 635 | | 8000 | Langenburg | Germany |
| 333 | RA22 | 1200 | Samara | Russia | 644 | YN | 3000 | Lyon | France |
| 343 | RA41 | 1200 | Vologda | Russia | 648 | 4YA | 500 | Dunedin | New Zealand |
| 345 | RA11 | 4000 | Tiflis | Russia | 653 | | 630 | Zurich | Switzerland |
| 349 | RA18 | 1200 | Minsk | Russia | 662 | IBZ | 200 | Bolzano | Italy |
| 357 | RA13 | 1800 | Nizhni-Novgorod | Russia | 662 | | 500 | Klagenfurt | Austria |
| 366 | RA14 | 4000 | Rostov-on-Don | Russia | 662 | SCT | 150 | Uppsala | Sweden |
| 375 | RA7 | 180 | Ivanovo Vsesensk | Russia | 662 | LKP | 700 | Porsbrund | Norway |
| | | | Sevastopol | Russia | 662 | | 700 | Aix la Chapelles | Germany |
| 375 | RA9 | 250 | Sevastopol | Russia | 662 | EJ22 | | Salamanca | Spain |
| 375 | | 1750 | Colombo | Ceylon | 664 | RUS | 500 | Salvador | Salvador |
| 380 | RA56 | 1200 | Artemovsk | Russia | 665 | 2FC | 2500 | Sydney | Australia |
| 389 | SBF | 600 | Ostersund | Sweden | 666 | ZTJ | 15000 | Johannesburg | South Africa |
| 393 | RA46 | 2000 | Petrozovodsk | Russia | 667 | RA4 | 300 | Moscow | Russia |
| 395 | | 250 | Geneva | Switzerland | 667 | RA2 | 500 | Moscow | Russia |
| 397 | RA5 | 1200 | Kiev | Russia | 671 | FPTT | 1000 | Paris | France |
| 400 | RA8 | 700 | Bogorodsk | Russia | 671 | LKR | | Rjukan | Norway |
| 400 | RA45 | 4000 | Baku | Russia | 671 | LKA | 350 | Aalesund | Norway |
| 411 | RA77 | 1200 | Stalino | Russia | 674 | COHB | 1000 | Harbin | China |
| 417 | RA47 | 200 | Armavir | Russia | 680 | IRO | 3000 | Rome | Italy |
| 420 | RA27 | 2000 | Tashkent | Russia | 685 | LT2 | 1000 | LaPlata | Argentina |
| 429 | RA26 | 1000 | Astrakhan | Russia | 688 | SBA | 1000 | Stockholm | Sweden |
| 435 | RA44 | 1200 | Tver | Russia | 689 | PTB | 500 | Danzig | Danzig |
| 442 | | 600 | Lausanne | Switzerland | 689 | CAB | 1000 | Canton | China |
| 462 | RA16 | 1200 | Vel Ustjuk | Russia | 689 | SCN | 250 | Malmberget | Sweden |
| 469 | RA25 | 1000 | Orenburg | Russia | 690 | 6WF | 1000 | Perth | Australia |
| | | | | | 695 | | 2500 | Belgrade | Yugoslavia |
| | | | | | 698 | JODK | 1000 | Keijo | Japan |

500

| Keys. | Call | Watts | City | Country |
|-------|------|-------|-----------|------------|
| 521 | RA34 | 1000 | Kourak | Russia |
| 522 | | 3000 | Ljubljana | Yugoslavia |
| 526 | LKH | 700 | Hamar | Norway |
| 527 | | 1500 | Freiburg | Germany |
| 535 | | 700 | Augsburg | Germany |
| 535 | | 750 | Hanover | Germany |
| 545 | RA20 | 1200 | Stavropol | Russia |
| 545 | | 20000 | Budapest | Hungary |
| 545 | | 12000 | Bucharest | Rumania |

550

| Keys. | Call | Watts | City | Country |
|-------|-------|-------|-----------------|-----------|
| 553 | SBD | 600 | Sundsvall | Sweden |
| 563 | | 4000 | Munich | Germany |
| 571 | RA30 | 1000 | Dneipropetrovsk | Russia |
| 571 | YLZ | 10000 | Riga | Latvia |
| 580 | RA38 | 1000 | Krasnodar | Russia |
| 580 | Z7L | 600 | Hobart | Australia |
| 581 | | 15000 | Vienna | Austria |
| 590 | ON4RB | 3600 | Brussels | Belgium |
| 599 | IMI | 7000 | Milan | Italy |

600

| Keys. | Call | Watts | City | Country |
|-------|------|-------|------------------|----------------|
| 600 | CWOW | | Montevideo | Uruguay |
| 606 | XGZ | 500 | Nanking | China |
| 608 | LKO | 60000 | Oslo | Norway |
| 616 | OKP | 5000 | Prague | Czechoslovakia |
| 620 | 3AR | 1000 | Melbourne | Australia |
| 625 | COTN | 500 | Tientsin | China |
| 625 | CMAB | 1000 | Santiago | Chile |
| 625 | RA17 | 1500 | Vladivostok | Russia |
| 626 | 5GB | 25000 | Daventry | Un. Kingdom |
| 631 | RA43 | 4000 | Kharkov | Russia |
| 633 | EAJ8 | 1000 | San Sebastian | Spain |
| 635 | | 8000 | Langenburg | Germany |
| 644 | YN | 3000 | Lyon | France |
| 648 | 4YA | 500 | Dunedin | New Zealand |
| 653 | | 630 | Zurich | Switzerland |
| 662 | IBZ | 200 | Bolzano | Italy |
| 662 | | 500 | Klagenfurt | Austria |
| 662 | SCT | 150 | Uppsala | Sweden |
| 662 | LKP | 700 | Porsbrund | Norway |
| 662 | | 700 | Aix la Chapelles | Germany |
| 662 | EJ22 | | Salamanca | Spain |
| 664 | RUS | 500 | Salvador | Salvador |
| 665 | 2FC | 2500 | Sydney | Australia |
| 666 | ZTJ | 15000 | Johannesburg | South Africa |
| 667 | RA4 | 300 | Moscow | Russia |
| 667 | RA2 | 500 | Moscow | Russia |
| 671 | FPTT | 1000 | Paris | France |
| 671 | LKR | | Rjukan | Norway |
| 671 | LKA | 350 | Aalesund | Norway |
| 674 | COHB | 1000 | Harbin | China |
| 680 | IRO | 3000 | Rome | Italy |
| 685 | LT2 | 1000 | LaPlata | Argentina |
| 688 | SBA | 1000 | Stockholm | Sweden |
| 689 | PTB | 500 | Danzig | Danzig |
| 689 | CAB | 1000 | Canton | China |
| 689 | SCN | 250 | Malmberget | Sweden |
| 690 | 6WF | 1000 | Perth | Australia |
| 695 | | 2500 | Belgrade | Yugoslavia |
| 698 | JODK | 1000 | Keijo | Japan |

700

| Keys. | Call | Watts | City | Country |
|-------|------|-------|---------------|----------------|
| 700 | CWOA | 1000 | Montevideo | Uruguay |
| 706 | LS1 | 5000 | Buenos Aires | Argentina |
| 706 | | | Sorocaba | Brazil |
| 706 | HJN | 550 | Bogota | Colombia |
| 707.6 | EJ7J | 1500 | Madrid | Spain |
| 708 | JOJK | 3000 | Kanazawa | Japan |
| 714 | RA32 | 200 | Saratov | Russia |
| 714 | COMK | 2000 | Mukden | China |
| 714 | JODK | 1000 | Heijo (Seoul) | Chosen (Korea) |

| Keys. | Call | Watts | City | Country | Keys. | Call | Watts | City | Country |
|-------|------|-------|------------------|--------------|-------|-------|-------|----------------|----------------|
| 717 | | 4000 | Berlin | Germany | 923 | | 4000 | Breslau | Germany |
| 718 | 2YA | 5000 | Wellington | New Zealand | 930 | 4RK | 2000 | Rockhampton | Australia |
| 724 | | 2500 | Rabat | Morocco | 931 | SBB | 10000 | Goteborg | Sweden |
| 725 | | 750 | Dresden | Germany | 937 | PRAB | 500 | Rio de Janerio | Brazil |
| 730 | 5CL | 2500 | Adelaide | Australia | 937 | COPK | 1000 | Peking | China |
| 734 | | 10000 | Katowice | Poland | 940 | 2RN | 1500 | Dublin | Irish Free St. |
| 735 | | 2200 | Tartu | Estonia | 941 | | 250 | Basle | Switzerland |
| 743 | | 1000 | Berne | Switzerland | 942 | CTIAA | 1000 | Lisbon | Portugal |
| 750 | LR7 | 1250 | Buenos Aires | Argentina | 949 | LR3 | 1000 | Buenos Aires | Argentina |
| 750 | PRAA | 1000 | Rio de Janerio | Brazil | 950 | 2GB | 600 | Sydney | Australia |
| 750 | | 250 | Marsan | France | 950 | | 500 | Marseilles | France |
| 750 | 7LO | 2000 | Nairobi | Kenya | 950 | | 700 | Breman | Germany |
| 750 | JOBK | 10000 | Osaka | Japan | 956 | K4 | 250 | Tucuman | Argentina |
| 750 | EAJ2 | 750 | Madrid | Spain | 959 | | 1500 | Krakow | Poland |
| 752 | 5SC | 1000 | Glasgow | Un. Kingdom | 960 | 5DN | 100 | Adelaide | Australia |
| 759 | JQAK | 5000 | Dairen | Kwangtung | 963.1 | F2BD | 480 | Agen | France |
| 760 | LT4 | 500 | Mendoza | Argentina | 967.8 | | 2000 | Paris | France |
| 760 | 4QG | 2500 | Brisbane | Australia | 967 | PRAP | 300 | Pernambuco | Brazil |
| 769 | JOHK | 10000 | Sendai | Japan | 968 | 5WA | 1000 | Cardif | Un. Kingdom |
| 769 | | 1500 | Franfort on Main | Germany | 973 | | 700 | Zagreb | Yugoslavia |
| 777.2 | | 500 | Rheims | France | 980 | 3YA | 500 | Christchurch | New Zealand |
| 779 | | 500 | Wilna | Poland | 983.6 | PIAA | 500 | Lisbon | Portugal |
| 779 | LKF | 700 | Fredrikstad | Norway | 986 | | 1500 | Bordeaux | France |
| 779 | | 8000 | Toulouse | France | 990 | LR4 | 2000 | Buenos Aires | Argentina |
| 788 | IGE | 1200 | Genoa | Italy | 995 | 2BD | 1000 | Aberdeen | Un. Kingdom |
| 789 | ZTD | 1000 | Durban | South Africa | | | | | |
| 789 | JOGK | 10000 | Kumamoto | Japan | | | | | |
| 789 | LR1 | 500 | Buenos Aires | Argentina | | | | | |
| 789 | PRAJ | 200 | Juiz de Fora | Brazil | | | | | |
| 789 | OAX | 1500 | Lima | Peru | | | | | |
| 789 | CWOS | 500 | Montevideo | Uruguay | | | | | |
| 797 | 2ZY | 1000 | Manchester | Un. Kingdom | | | | | |

800

| | | | | |
|-------|-------|-------|----------------|----------------|
| 800 | ZTC | 1000 | Cape Town | South Africa |
| 800 | 3LO | 2500 | Melbourne | Australia |
| 804 | CMAC | 1000 | Santiago | Chile |
| 806 | | 4000 | Hamburg | Germany |
| 810 | JOCK | 10000 | Nagoya | Japan |
| 810 | VUC | 3000 | Calcutta | India |
| 815 | | | Seville | Spain |
| 824 | | 2400 | Algiers | Algeria |
| 824 | LKB | 1000 | Bergen | Norway |
| 825 | FGC | 1500 | Paris | France |
| 825.3 | 8DB | 190 | Algiers | Algeria |
| 828 | LR5 | 2000 | Buenos Aires | Argentina |
| 831 | JOIK | 10000 | Sapporo | Japan |
| 833 | | 4000 | Stuttgart | Germany |
| 833 | PRAE | 1000 | Sao Paulo | Brazil |
| 840 | G5 | 250 | Venado Tuerto | Argentina |
| 840 | VUB | 3000 | Bombay | India |
| 842 | ZLO | 30000 | London | Un. Kingdom |
| 849 | JOFK | 10000 | Hiroshima | Japan |
| 851 | | 7000 | Graz | Austria |
| 855 | ZBL | 2500 | Sydney | Australia |
| 857 | PRAD | 1500 | Victoria Peak | Hong Kong |
| 857 | | 500 | Rio de Janerio | Brazil |
| 857 | CWOR | 500 | Montevideo | Uruguay |
| 860 | EAJ1 | 7500 | Barcelona | Spain |
| 869 | | | Cairo | Egypt |
| 869 | JOAK | 10000 | Tokyo | Japan |
| 870 | LR2 | 3000 | Buenos Aires | Argentina |
| 877 | OKB | 2500 | Brunn | Czechoslovakia |
| 882 | E4 | 350 | Azul | Argentina |
| 887 | KRC | 250 | Shanghai | China |
| 887 | ON4GT | 100 | Brussels | Belgium |
| 895 | XGY | 250 | Hangchow | China |
| 896 | | 1500 | Poznan | Poland |

900

| | | | | |
|-------|------|------|--------------|-------------|
| 900 | IYA | 500 | Auckland | New Zealand |
| 900 | JFAK | 1000 | Taihoku | Japan |
| 905.2 | INA | 1500 | Naples | Italy |
| 905.2 | | 500 | Paris | France |
| 909 | LR6 | 1000 | Buenos Aires | Argentina |
| 909 | | | Cairo | Egypt |
| 914.1 | | 1500 | Grenoble | France |

1000

| | | | | |
|--------|------|-------|------------------|----------------|
| 1000 | RA21 | 150 | Tomsok | Russia |
| 1000 | OPX | 1000 | LaPaz | Bolivia |
| 1004 | PFB1 | 7000 | Hilversum | Netherlands |
| 1004 | SCC | 500 | Falun | Sweden |
| 1009 | | 200 | Jyvaskyla | Finland |
| 1010 | 6ML | 300 | Perth | Australia |
| 1013 | | 10000 | Tallinn | Estonia |
| 1016 | CMAO | 250 | Santiago | Chile |
| 1022 | | 500 | Limoges | France |
| 1023 | OKK | 2500 | Kosice | Czechoslovakia |
| 1025 | 2UE | 50 | Sydney | Australia |
| 1029.9 | YR | 500 | Lyon | France |
| 1030 | | 750 | Vupuri | Finland |
| 1030 | LR9 | 2000 | Buenos Aires | Argentina |
| 1031 | ITO | 7000 | Turin | Italy |
| 1034 | CMAJ | 100 | Valparaiso | Chile |
| 1040 | 6BM | 1000 | Bournemouth | Un. Kingdom |
| 1040 | 6LV | 130 | Liverpool | Un. Kingdom |
| 1040 | 2DE | 130 | Dundee | Un. Kingdom |
| 1040 | 2EH | 350 | Edinburgh | Un. Kingdom |
| 1040 | 6KH | 130 | Hull | Un. Kingdom |
| 1040 | 5PY | 130 | Plymouth | Un. Kingdom |
| 1040 | 2LS | 130 | Leeds & Bradford | Un. Kingdom |
| 1040 | 6FL | 130 | Sheffield | Un. Kingdom |
| 1040 | 6ST | 130 | Stoke on Trent | Un. Kingdom |
| 1040 | 5SX | 130 | Swansea | Un. Kingdom |
| 1049 | 2ZF | 150 | Palmerston | New Zealand |
| 1049 | | 200 | Montpellier | France |
| 1050 | D5 | | Bahia Blanca | Argentina |
| 1058 | | 500 | Innsbruck | Austria |
| 1059 | | 2000 | Berlin | Germany |
| 1059 | | | Magdeburg | Germany |
| 1059 | | 750 | Stettin | Germany |
| 1059 | SCU | 300 | Varberg | Sweden |
| 1067 | | 1000 | Copenhagen | Denmark |
| 1070 | EAR5 | 500 | Las Palmas | Canary Isl's |
| 1071 | PRAR | 500 | Sao Paulo | Brazil |
| 1071 | CRC | 500 | Tientsin | China |
| 1075 | OKR | 12500 | Bratislava | Czechoslovakia |
| 1076 | LS5 | 1000 | Buenos Aires | Argentina |
| 1080 | | 200 | Caen | France |
| 1085 | | 4000 | Konigsberg | Germany |
| 1090 | LT3 | 1500 | Rosario | Argentina |
| 1091 | | 250 | Angers | France |

1100

| | | | | |
|------|-----|------|----------------|---------|
| 1103 | | 1500 | Rennes | France |
| 1110 | | 4000 | Kaiserslautern | Germany |
| 1110 | SCF | 150 | Hudiksvall | Sweden |

| Keys. | Call | Watts | City | Country |
|--------|-------|-------|----------------|-------------|
| 1110 | SCO | 250 | Norrköping | Sweden |
| 1112 | LS4 | 1000 | Buenos Aires | Argentina |
| 1121 | EAJ13 | 10000 | Barcelona | Spain |
| 1125 | 2UW | 100 | Sydney | Australia |
| 1129 | SCQ | 250 | Trollhattan | Sweden |
| 1130 | ..... | 500 | Lille | France |
| 1147 | ZZM | 160 | Gisborne | New Zealand |
| 1148 | 5NO | 1000 | Newcastle | Un. Kingdom |
| 1149 | LR8 | 1500 | Buenos Aires | Argentina |
| 1150 | 2LO | 30000 | London | Un. Kingdom |
| 1153 | PRAC | 500 | Rio de Janeiro | Brazil |
| 1155 | 2MK | 50 | Bathurst | Australia |
| 1157 | ..... | 3000 | Gleiwitz | Germany |
| 1167 | SBH | 10000 | Horby | Sweden |
| 1169 | CWON | 200 | Montevideo | Uruguay |
| 1175 | MRD | 1500 | Toulouse | France |
| 1180 | 3DB | 100 | Melbourne | Australia |
| 1184 | ..... | 4000 | Leipzig | Germany |
| 1188 | 1ZQ | ..... | Auckland | New Zealand |
| 1190 | LS2 | 1000 | Buenos Aires | Argentina |
| 1193 | EAJ18 | 200 | Almeria | Spain |
| 1199 | 3ZC | 250 | Christchurch | New Zealand |
| 1199.5 | ..... | 5000 | Bordeaux | France |
| 1199 | PRAG | 500 | Porto Alegre | Brazil |

1200

| Keys. | Call | Watts | City | Country |
|--------|-------|-------|------------------|-------------|
| 1200 | ..... | 500 | Toulon | France |
| 1200 | 5KA | 200 | Adelaide | Australia |
| 1211 | SCI | 200 | Kalmar | Sweden |
| 1219 | ..... | 250 | Juan les Pins | France |
| 1219 | ON4RW | 200 | Liege | Belgium |
| 1219 | ON4RG | 400 | Ghent | Belgium |
| 1219 | ..... | 750 | Kassel | Germany |
| 1219 | ..... | ..... | Abo | Finland |
| 1219 | ..... | 1500 | Bjorenberg (Por) | Finland |
| 1219 | ..... | 750 | Jakobstad | Finland |
| 1219 | SCL | 200 | Kiruna | Sweden |
| 1220 | SCB | 200 | Eskilstuna | Sweden |
| 1220 | SCP | 400 | Saffle | Sweden |
| 1220 | ..... | 500 | Linz | Austria |
| 1224 | CMAQ | 100 | Santiago | Chile |
| 1229 | ..... | 1000 | Trondhjem | Norway |
| 1238 | 2BE | 1000 | Belfast | Un. Kingdom |
| 1245 | 2NC | 2000 | Newcastle | Australia |
| 1254 | ..... | 1000 | Nuremberg | Germany |
| 1256 | ..... | 500 | Nimes | France |
| 1260.4 | ..... | 5000 | Bordeaux | France |
| 1265 | SCV | 200 | Orebro | Sweden |
| 1270 | LS3 | 1000 | Buenos Aires | Argentina |
| 1287 | G4 | 560 | Rafaela | Argentina |
| 1292 | ..... | 700 | Kiel | Germany |

1300

| Keys. | Call | Watts | City | Country |
|--------|-------|-------|---------------|----------------|
| 1301 | SCB | 600 | Malmö | Sweden |
| 1301 | SCG | 200 | Helsingborg | Sweden |
| 1301 | SCS | 200 | Umeå | Sweden |
| 1304 | ..... | ..... | Schaerbeck | Germany |
| 1309 | SCA | 150 | Boras | Sweden |
| 1313 | ..... | 250 | Biarritz | France |
| 1319 | ..... | 1500 | Muenster | Germany |
| 1319 | ..... | 4000 | Cologne | Germany |
| 1330 | PRAO | 1000 | Sao Paulo | Brazil |
| 1330 | J2 | 400 | Concordia | Argentina |
| 1337 | 6CK | 1000 | Cork | Irish Free St. |
| 1344 | LOAA | 10000 | Luxemburg | Luxemburg |
| 1351 | LS7 | 1000 | Buenos Aires | Argentina |
| 1357 | ..... | 10000 | Helsingfors | Finland |
| 1363.6 | ..... | 250 | St. Etienne | France |
| 1364.3 | ..... | 1500 | Beziers | France |
| 1373 | SCW | 200 | Ormskoeldsvik | Sweden |
| 1373 | ..... | 1500 | Flensburg | Germany |
| 1375 | SCK | 250 | Karlstad | Sweden |
| 1388 | ON4CE | 200 | Chatelineau | Belgium |
| 1390 | SCE | 200 | Halmstad | Sweden |

| Keys. | Call | Watts | City | Country |
|-------------|-------|-------|---------------|-----------|
| 1400 | | | | |
| 1410 | D4 | 100 | Mar del Plata | Argentina |
| 1428 | LS6 | 1000 | Buenos Aires | Argentina |
| 1470 | SCD | 200 | Gavle | Sweden |
| 1471 | ..... | 1500 | Ludwigshaven | Germany |
| 1481 | SCM | 250 | Kristinehamn | Sweden |
| 1484 | SCH | 250 | Jonkoping | Sweden |

1500

| Keys. | Call | Watts | City | Country |
|-------------|--------|-------|------------------|----------------|
| 1500 | | | | |
| 1500 | 2LS | 130 | Leeds & Bradford | Un. Kingdom |
| 1530 | SCJ | 250 | Karlskrona | Sweden |
| 1560 | G2SH | ..... | Akureyri | Iceland |
| 1635 | AFT | 10000 | Berlin | Germany |
| 2000 | RA51 | 350 | Leningrad | Russia |
| 2000 | RA72 | 800 | Smolensk | Russia |
| 2142 | ..... | 500 | Surabaya | Netherlands |
| ..... | ..... | ..... | ..... | East Indies |
| 2998 | ..... | 1500 | Manaos | Brazil |
| 3088 | ..... | 2000 | Soro | Denmark |
| 3446 | ..... | 2500 | Haiphong | French Indo |
| ..... | ..... | ..... | ..... | China |
| 3529.4 | H9XD | ..... | Zurich | Switzerland |
| 3750 | F8AV | ..... | Nogent-sur-Seine | France |
| 3998 | PK1AA | 500 | Batabia | Netherlands |
| ..... | ..... | ..... | ..... | East Indies |
| 4262.3 | F8GC | 1500 | Paris | France |
| 4434 | ..... | ..... | Doberitz | Germany |
| 5169 | OK1MPI | 5000 | Prague | Czechoslovakia |
| 5170 | IBR | 1000 | Bandoeng | Netherlands |
| ..... | ..... | ..... | ..... | East Indies |
| 5290 | AGJ | ..... | Nauen | Germany |
| 5552 | AFT | 10000 | Berlin | Germany |
| 5879 | AIN | ..... | Casablanca | Morocco |
| 5996 | PK2AF | 500 | Djakakarta | Netherlands |
| ..... | ..... | ..... | ..... | East Indies |
| 5996 | 37C | 250 | Christchurch | New Zealand |
| 6005 | HRB | 2300 | Tegucigalpa | Honduras |
| 6057 | ..... | 500 | Lynby | Denmark |
| 6662 | PH3CH | 250 | Surabaya | Netherlands |
| ..... | ..... | ..... | ..... | East Indies |
| 6666 | TIRAX | ..... | Rome | Italy |
| 6877 | ..... | 2500 | Rabat | Morocco |
| 7005 | 8KR | ..... | Constantine | Tunisia |
| 7055 | VS3AB | ..... | Johore | Brit. Malaya |
| 7260 | VS1AB | ..... | Singapore | Brit. Malaya |
| 7313 | PK6KZ | 500 | Makassar | Netherlands |
| ..... | ..... | ..... | ..... | East Indies |
| 7317.1 | ..... | 2000 | Paris | France |
| 7462.7 | YR | 500 | Lyon | France |
| 7590 | JFAB | ..... | Taipeh | Japan |
| 7963 | ..... | ..... | Doberitz | Germany |
| 7995 | JHBB | ..... | Hirasio | Japan |
| 8818 | ..... | ..... | Para | Brazil |
| 8995 | ..... | 500 | Reykjavik | Iceland |
| 9225 | ZBL | 1000 | Sydney | Australia |
| 9369 | 2TJ | 15000 | Johannesburg | South Africa |
| 9369 | 3LO | 1000 | Melbourne | Australia |
| 9375 | ..... | 1000 | Berne | Switzerland |
| 9375 | H9XD | ..... | Zurich | Switzerland |
| 9375 | FL | 15000 | Paris | France |
| 9488 | ..... | 500 | Lynby | Denmark |
| 9640 | TLO | 1000 | Nairobi | Kenya |
| 9761 | F2BD | 480 | Agen | France |
| 9772 | EAM | ..... | Madrid | Spain |
| 9994 | LGN | ..... | Bergen | Norway |
| 10520 | 2FC | 1000 | Sydney | Australia |
| 10520 | 2ME | ..... | Sydney | Australia |
| 11760 | SAS | ..... | Karlsborg | Sweden |
| 12490 | SQBE | ..... | Bahia | Brazil |
| 15300 | ..... | 500 | Lynby | Denmark |
| 17430 | AGC | ..... | Nauen | Germany |
| 17640 | PLF | ..... | Malabar | Netherlands |
| ..... | ..... | ..... | ..... | East Indies |
| 17778 | PHI | 40000 | Huizen | Netherlands |
| 19355 | ..... | ..... | Nancy | France |
| 59964 | PK4PA | 240 | Palembang | Netherlands |
| ..... | ..... | ..... | ..... | East Indies |

FAVORITE PROGRAMS

Time Station Dials Feature Time Station Dials Feature

| DAILY | | | | WEDNESDAY | | | |
|---------|------|----|----|-----------|----|-------------|--|
| AM | 5:45 | ES | 66 | 7:30 | 57 | Health talk | |
| | 6:30 | EM | 76 | | 68 | Chess | |
| | 7:00 | ES | 76 | | 77 | ... | |
| | 7:00 | | | | | | |
| | 6:50 | EM | 71 | | | | |
| | 8:00 | | | | | | |
| | 8:40 | ES | 76 | | | | |
| SUNDAY | | | | THURSDAY | | | |
| | 6:30 | | 76 | | | | |
| | 8:15 | | 76 | | | | |
| | | | 77 | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| MONDAY | | | | FRIDAY | | | |
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| | | | | | | | |
| TUESDAY | | | | SATURDAY | | | |
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HOW TO TUNE A SET CORRECTLY

Read This Page Carefully and You Can Set Your Dials Accurately for Any Station in American

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 WEA-F in New York. First we must ascertain the frequency for this station. Look it up under WEA-F 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 WEA-F is 660. Now we turn to 660 kilocycles in the Index by Frequencies and Dial Numbers. Here we find that WEA-F is one of the two stations which have been assigned the 660 keys, 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.

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 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 keys. 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 now have found that the dial numbers for 630 keys are 72-70 and the dial numbers for 660 keys are 69-67. If we now will set our dials for 70-68 it is obvious we will have our set tuned for 650 keys. 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 keys. Now it is

clear that if we reset our dials at 71-69 our set will be tuned to 640 keys, and at that point KF1 of Los Angeles will be heard, always assuming, of course, that it is on the air and within range of our particular set.

Now we tune in some other station, proceeding as before until after an evening or two, we have blanks filled on every page. We are now able to set our dials for any frequency we desire and consequently any station we may want whether we have ever received it before or not.

Our index now becomes of great value to us in identifying programs. Let us say that we hear music at 67-65 on our dials. We refer to our Index by Frequencies and Dial Numbers and we find that we are in tune to 680 kilocycles. On this wave there are two stations:

KPO at San Francisco and WPTF at Raleigh, N. C. Both of these stations have 5000 watts in power. But knowing which is the closer to our set, we can tell almost invariably which station we are hearing. The Radio Commission has had to give the same frequency in most cases to several stations but they have distributed them geographically so they should not interfere. When two stations in the same locality have the same frequency, they are required to divide the

time. In this case, of course, it is not possible to tell which one of the two stations is broadcasting at the particular moment we hear it, but we do know it is one or the other of them.

The second column in the Index by Frequencies, as we have seen, gives the power of the station as measured in watts. This power also aids us in identifying stations as we will not ordinarily hear those stations with 500 watts or less unless they are close to our home city.

The Index by Call Letters also has spaces providing for logging dial numbers, but these are provided merely for the convenience of those who want to be able to turn instantly to some favorite station. They may or may not be used as you desire. Remember that it is the Index by Frequencies that we must use to get the most value and pleasure out of our radios.

The Index by Frequencies is now printed with marginal tabs. If you will fill in under the word "dial" your reading for this particular frequency, you can then turn instantly to any frequency desired. Take a pair of shears and cut along the dotted line, as shown.

INDEX BY FREQUENCIES AND DIAL NUMBERS

590 kilocycles 508.2 meters

KHO 1000 Spokane, Wash.
WLF 700 Lincoln, Neb.
WLT 500 Havana, Cuba
WLM 1000 Omaha, Neb.
WLMC 500 Broken Springs, Mich.

76 74

Index Bureau, Inc.
Newark Wireless University
Edison Elec. Manufacturing Co.
Woodmen of the World
Edmundson Radio College

600 kilocycles 499.7 meters

CFHC 200 Inouka Falls, Ont.
KJHC 500 Kansas, Mo.
WJHC 500 San Diego, Calif.
WJAD 200 Baltimore, Md.
WJAO 200 Raleigh, N.C.
WJAO 500 Jacksonville, Tenn.
WJAO 500 Miami, Fla.
WJLC 200 Hartford, Conn.

75 73

Allied Power & Paper Co.
Edison N. Thayer
Allied Radio Corp.
Manufacturers Radio Co., Inc.
Rohlf College
Virginia School of Music
W. J. Harris, Inc.
Travlers Insurance Co.

610 kilocycles 491.5 meters

KFRC 1500 San Francisco, Calif.
WJAF 1900 Kansas City, Mo.
WJAF 1900 Philadelphia, Pa.
WJAF 1500 Philadelphia, Pa.
WJAF 1500 Kansas City, Mo.

74 72

Dial Inc.
Kansas City Star Co.
American Manufacturing Co., Inc.
Climax Inc.
City School of Christianity

620 kilocycles 483.6 meters

KFAD 500 Phoenix, Ariz.
KJAD 500 Kansas, Mo.
WJAD 500 Tampa, Fla.
WJAD 500 Chicago, Ill.
WJAD 500 Denver, Colorado, Mo.
WJAD 1000 Milwaukee, Wis.

73 71

Electrical Equipment Co.
Gregory Printing Co.
Tampa Publishing Co.
Boston College, Inc.
Thompson L. Gearhart
Milwaukee Journal

630 kilocycles 475.9 meters

CFCT 200 Newark, N. J.
CFCT 200 Newark, N. J.
CFCT 200 Newark, N. J.
CFCT 200 Newark, N. J.
WJCF 200 Philadelphia, Pa.
WJCF 200 Washington, D. C.
WJCF 500 Jefferson City, Mo.

72 70

Virginia Broadcasting Assn.
Western Union Exchange
Canadian National Railways
Canadian Lumber
Canadian College
Radio in the Air, Inc.
H. J. Lewis & Co.
State Marketing Bureau

640 kilocycles 468.5 meters

KFI 2000 Los Angeles, Calif.
WJFI 2000 Columbus, Ohio

71 69

East C. Auctions, Inc.
American Insurance Union

650 kilocycles 461.3 meters

WSM 500 Nashville, Tenn.

70 68

National Life & Accident Ins. Co.

660 kilocycles 454.3 meters

WJAO 500 Omaha, Neb.
WEAF 50000 New York City

69 67

Drama Radio Exchange
National Broadcasting Co., Inc.

670 kilocycles 447.5 meters

WMAO 2000 Chicago, Ill.

68 66

Chicago Daily News, Inc.

680 kilocycles 440.9 meters

KFJ 2000 San Francisco, Cal.
WJFJ 2000 Baltimore, Md.

67 65

Hale Bros. & The Chronicle
Baltimore Life Insurance Co.

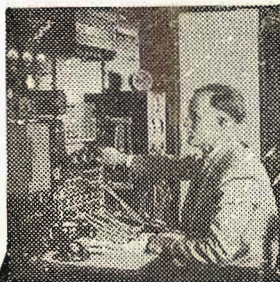
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Here's Proof

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Radio's growth opening hundreds of \$50, \$75, \$100 a week jobs every year

In about ten years Radio has grown from a \$2,000,000 to a \$1,000,000,000 industry. Over 800,000 jobs have been created. Hundreds more are being opened every year by its continued growth. Men and young men with the right training—the kind of training I give you—are needed continually.

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Talking Movies, Television, Wired Radio are also included

Radio principles as used in Talking Movies, Television and home Television experiments, Wired Radio. Radio's use in Aviation, are all given. I am so sure that I can train you satisfactorily that I will agree in writing to refund every penny of your tuition if you are not satisfied with my Lessons and Instruction Service upon completing.

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