

THE APRIL 1930

RADIO INDEX

99.58 Per Cent Accurate



IN
THIS
ISSUE:

{ Can You Use Screen Grid Tubes?
A Radio Vision Set for the Home
The Radio DX League of the World
Attaching Head Phones to Modern Sets
Crystal Set Brings in Ninety Stations

My **NEW BOOK**

is ready for you

You will find a true picture of Radio's many opportunities for a good job in this book. Send for a copy. Simply clip and mail the coupon below. There is no obligation. After you have read it you can decide one way or another. I am showing hundreds every year how to make more money in Radio than they were making in other fields. If you are making less than \$50 a week this book will probably show you how you can increase your salary \$1,000 or more in due time also.



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Broadcasting stations use engineers, operators, station managers, and pay \$1,800 to \$5,000 a year. Radio manufacturers employ testers, inspectors, foremen, engineers, service men, buyers and managers for jobs paying up to \$15,000 a year. Shipping companies use hundreds of operators, give them world-wide travel and \$85 to \$200 a month besides. Radio dealers and jobbers (there are over 35,000) are continually on the lookout for good service men, salesmen, buyers, managers, and pay \$30 to \$100 a week for good men. Commercial land stations now being built will probably need 1000 trained men in the next two years. Talking movies pay as much as \$75 to \$200 a week to men with radio training. Besides there are opportunities almost everywhere for you to have a spare time or full time radio business of your own—to be your own boss.

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I'll show you ten jobs common in most every neighborhood that you can do for extra money the day you enroll. Throughout your course I'll show you additional plans that are making \$200 to \$1,000 for N. R. I. students while learning. G. W. Page, Noel Block Garage, Nashville, Tenn., made \$935 in his spare time while taking my course.

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Get your copy**

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Dear Mr. Smith: Send me your book "Rich Rewards in Radio." I understand this request does not obligate me and that no representative will call.

Name.....

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City..... State.....

**J. E. Smith, President
National
Radio Institute
Dept. OD52
Washington, D. C.**

THE APRIL 1930

RADIO INDEX

REG. U. S. PATENT OFFICE

FRED CLAYTON BUTLER
Editor and Publisher



SIXTH YEAR

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THE RADEX PRESS

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Radio League of the World with members in every land under the sun, united in the great field of international converse? To carry out any such program as that which has been outlined by our correspondents, would require an organization equal in scope to that of the American Radio Relay League for instance. This would mean the loyal support of the members and provision

Radio Sets for Farm Lighting Plants

FROM a reader in the North-West comes the following inquiry: "We have a 32-volt d.c. farm-lighting plant and would like to get an all-electric receiver and a B-Eliminator that will operate on the current supplied by this plant. Are any such manufactured?"

Can I Use Screen Grid Tubes?

By J. B. SMITH

ON circuits especially designed for its use, the screen-grid tube has been found highly successful as its amplification factor is many times greater than the amplification factor of other tubes used for radio-frequency amplifiers. The A.C. screen-grid tube has a standard base with five pins and a fifth connection is provided at the top through a metal cap. Its feature is an extra grid which shields the plate. The usual grid lead is connected to the additional cap on the tube and the screen-grid connection is made to the G-terminal on the tube socket. The use of this tube eliminates howling caused by uncontrollable oscillation of the r.f. stages, and it effectively blocks a feedback of the signal, which causes reradiation common to the regenerative type of receivers.

It has been found absolutely necessary to shield this tube effectively and also advisable to shield the grid leads connected to it in order to obtain the desired efficiency. However, screen-grid tubes have an inherent tendency to broaden the tuning of a receiver and special precautions are taken to offset this effect in successful manufactured sets. It is a matter of considerable dispute whether or not the average radio fan, whose receiver is not equipped with screen-grid tubes, should install them.

From a number of observations, I should emphatically discourage the idea, because of the difficulties involved in making the circuit changes necessary, especially in the case of manufactured receivers, and the consequent trouble encountered in balancing the set after the change has been made. To merely insert the tubes in the present sockets and only make an additional connection, is

mediately after making the change. Besides, screen-grid tubes have been hailed to perform miracles which is a highly disappointing illusion, as proved by the fact that there are many receivers not equipped with these tubes which produce better tone quality, are just as selective and have a greater distance range than many of the newer models using screen-grid tubes. This is, of course, not detracting in any way from the value of these tubes, but only goes to show that they will not produce superior results in every circuit.

March Changes

A LARGE number of station changes again this month is evidence that the Radio Commission is still seeking to eliminate interference and better radio conditions. Among the important corrections in RADEX will be found the following:

CJBC Toronto, Ontario, with its four listings is being deleted.

New stations or new call letters include the following: WRDA Buffalo, N. Y.; KGMP Elk City, Okla.; WCSC Charleston, S. C.; WSPA Spartanburg, S. C.; and three as yet unnamed stations in Grant City, Mo., Dodge City, Kansas, and North Platte, Neb.

Changes and corrections in frequencies are CFRC Kingston, Ont., from 1120 to 930; CKPR Midland, Ont., 1120 to 930; KGCU Mandan, N. D., from 1210 to 1200; KFIO Spokane, Wash., from 1230 to 1120; WSPD Toledo, Ohio, from 1240 to 1340; WGHP Detroit, Mich., from 1340 to 1240.

Changes in call letters: WSOA Chicago, to WCHI; KOQ Phoenix, Ariz., to KOY; KGRC San Antonio, Tex., to KONO; KEFH Juneau, Alaska, to KEFH.

"Dear Mr. Editor"

(Continued from page 11)

WCHI replaces WSOA and not WORD. The change appears in this issue.

"Have also logged a station on 840 kcys., WGM, Adamsburg, Pa., which is not listed," adds Mr. Donel. His inquiry and others are answered by Lawrence R. Pavlick, Swissvale, Pa. "Yes, there is a station WGM at Adamsburg, Pa., and they operate on the same channel as WOOP, Jeanette, Pa. I have tuned both of these stations on 840, 850 and 870 kcys. They both must have some antique transmitting apparatus to vary that much on their frequency, don't you think? The station WGM was on the air in 1924, 1925 and 1926 and then for some reason discontinued broadcasting. I remember, when I first heard them, the announcer would say 'This is station WGM, The World's Greatest Mistake' and I am inclined to think he was right! This station now has a studio in Jeanette also." Neither WGM nor WOOP appear in the records of the Radio Commission. How come?

Other Station Queries

"We are anxious to know the identity of station WCK coming in around 700 meters. It appears to be a police station. We do not locate it in RADEX." Thus comments J. W. Murphy of Akron, Ohio. Most the large cities now have police broadcasting stations assigned to short waves below the broadcasting band. We do not list them for two reasons, first, they are not broadcasting stations, and second, they do not want the general public to tune them in as they desire privacy. They broadcast only to the automobile cruisers as explained in an article in a recent edition.

Writes Cecil Jones, Wichita, Kans.: "I have logged a station operating at or around 1440 kcys., the announcer of which gives no information as to identity except to say 'The Voice of South Carolina.' Would appreciate information regarding this station." This is WSPA Spartanburg, S. C., a new station on 1420 kcys. It will be found in this month's index.

Some friend whose letter we have lost reports hearing a station with the

call letters WKOC, The Knights of Columbus. Can any one identify this station?

C. M. Falconer, of Baltimore, tells us that WEHC at Emory, Va., has recently moved from 1370 to 1200 kcys. No notice from the Commission and we are checking with the station.

"About a month ago I got CJCA Edmonton, Alta., on 930 and you still have it on 580 in the February issue. CKX



Maurice Chevalier, the French musical comedy star, whose work in the talkies has established him as a favorite with the American public, particularly the feminine portion. A short time ago his voice was picked up in Paris and broadcast throughout America over the Columbia network.

Brandon, Man., has also changed to 1010." So we are advised by Keith McVay of Cando, N. D. A list just received from the Canadian government shows no change in these two stations. We are checking.

Frank Scott, of Newark, N. J., receives a letter from the Jarvis Street Baptist Church of Toronto saying: "CJBC has never been on the air and I do not know where the confusion arises as we have been receiving many letters from people saying they receive programs

from our call letters." Another mystery. We are canceling the four calls assigned to CJBC until such time as they become something more than a paper station.

The March Shuffle

"You have shuffled the 1470, 1480 and 1490 key. groups all up in the March issue," writes Fay L. Garton, of Blackwell, Okla. And Mrs. Clara Kibblehouse, of West Philadelphia, Pa., writes us to the same effect. On page 63 of the March edition, we warned our readers the Commission was making some last-minute changes. We got notice of them just as we were ready to go to press and as the notice from the Commission read: "It is therefore *ordered* that the following changes in frequency assignments of stations operating on 1490, 1480, 1470, 1460, 1410, 1370, 1360 and 1310 keys. be, and the same are hereby made, said changes to be effective on and after 3 a.m., Sunday, March 2, 1930," we made the reallocation accordingly. Has some court issued another injunction?

Mr. Garton also says that KFPL Dublin, Tex., advises him that station is only a fifteen-watter and never has been anything else. Now KFPL ought to know, but the Commission in a new list received today, gives them 100 watts. At least they are licensed to use that power, although of course they may not do so. If RADEX gives its readers information 99.58 per cent pure from the Commission records, can man do more?

Hours of Operation

Every month we get letters like the following, also from Mr. Garton: "Personally I would like to have a list of stations telling when each station was on the air. I am missing some stations simply because I don't know when to go after them. If you have or ever do have such a list, ship it to me c.o.d." If we thought this information could be worked up satisfactorily, neither labor nor expense would prevent our furnishing it to our readers. But even the Radio Commission does not have this information. Hours of operation are entirely in the control of each station subject to its allotment. When it shares a wave with another stations, the two then apportion the time. These hours are subject to constant change with notice to no one

nowhere! Such a list would be out of date before it was printed. Then where could we possibly find room for it? Here is just one sample: A certain station broadcasts during three periods Sunday, five Monday, four Tuesday, four Wednesday, three Thursday, five Friday and six Saturday. This would require a paragraph under each station. Seven hundred paragraphs would take 64 pages and there would be no room for RADEX!

DXtra

Another comment from Mr. Garton: "Information as to when to fish for foreign stations is always worth space in RADEX; don't omit any of that dope that comes in over your leased wire." If you receive a program from a foreign station, let us know the day and hour, we'll publish it.

"I've been listening to a station on 1020 kcys., same as KYW. Is it CMBZ Havana? I've heard him talk Spanish." This from Chris Tom Banakas, Memphis, Tenn. Probably, CMBZ is on 1027.

Earl T. Mills, of Brandon, Man., wants to know what DXers think of the programs they receive from CKX? He seems to think they are pretty bad and says the local fans have been protesting vociferously. Anyone having any comments may address him at 451 Third Street.

Joseph Stokes, Swissvale, Pittsburgh, gives a list of his distant reception and adds, "Four of these were verified without hearing the call letters. All I did was trust to the accuracy of RADEX. I have verified a lot of stations in this way." He adds: "WMAQ and WOR have DX clubs, the former broadcasting every Tuesday, 11:45 to midnight E.S.T. and the latter on Saturdays, at 9:55 p.m. E.S.T."

Short Wavers

Mr. H. N. Fricke, of North Bergen, N. J., wonders, "if any of your readers have had any experience with the Super-Wasp short wave receivers. I was thinking of buying one but I believe that a rather long aerial is necessary to pick up the lower waves or am I wrong? I will have to be content with an aerial of about 100 feet having a fifty foot lead-in." This is about equivalent to

(Continued on page 23)

Ninety Stations on a Crystal Set

By J. E. SMITH, *National Radio Institute*

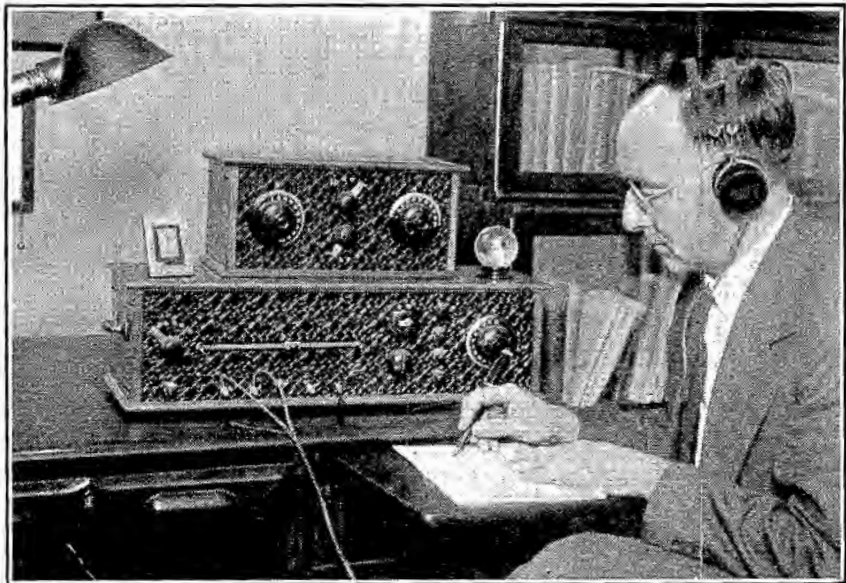
IN the early days of radio broadcasting, thousands of people experienced, perhaps for the first time, the joy of creation. Building their own sets gave them their first outlet for the creative instinct which is dormant in most folks. While a large number of experimenters are still at work, trying out new designs and seeking constantly to improve upon existing sets, most people have given up the pleasure of building their own. The modern radio receiver is so beautiful in its appointments, so efficient in operation and so reasonable in price, that only the most inveterate experimenter can hope to equal let alone surpass them. But there are thousands of radio lovers, both young and old, who still feel the urge to build something of their own and yearn to feel again the thrill of hearing distant stations over a device of their own creation.

The success of Alan Leighton in building a crystal set with which he tuned in ninety stations, points the way to a field for experimentation that is not only inexpensive but full of the promise of real thrills. When Mr. Leighton's accomplishment was first given publicity in the *Pictorial Mid-Weekly*, he was flooded with letters from interested readers in all parts of the continent. Other papers reproduced the story and accompanying pictures and the mail grew and then visitors began to come — people from distant cities who wanted to see the set which, without batteries or tubes, could accomplish such wonders.

Verification of reception reports must usually be accomplished by mail but in Mr. Leighton's case, unknown friends all over the country took it upon them-

selves to visit broadcasting stations and verify his reception for him. He was overwhelmed with questions as to his aerial and his ground and his crystal and his hook-up. Alan Leighton, closeted in his daily work in the scientific laboratories of the Bureau of Dairy Industry, United States Department of Agriculture, was thus thrown into the spotlight of radiodom.

Modestly, Mr. Leighton denies any



Alan Leighton with his record-breaking crystal set and wavetrap.

special credit for the achievements of this crystal set, contending that it was freakish reception due perhaps to a particularly favorable geographical location, but this did not serve to diminish radio fan interest or lessen the volume of inquiries and applause cards contributed to this modest fan's mail bag. The lowly crystal or piece of galena had been glorified and everywhere other experimenters feel that what Mr. Leighton had done they might do.

Just how is it done? Let Mr. Leighton tell the story:

"The original circuit was sent to me by the Carborundum Company. It consists of a .0005 variable condenser in series with the aerial and a slide contact on an 80 turn coil of No. 18 bare copper wire which was wound in such a way that

its length was about nine inches, diameter 4 inches. One end of the coil was grounded, the other was connected through the crystal, to the phones to the ground. I added jack switches that permitted me to short out the condenser or use a carborundum crystal or cat-whisker crystal at will. I also had two phone outlets with a switch to short the second pair when not in use.

"In addition to the set proper I used two conventional wave traps, housed in the top box of the set with which to trap out the two local stations. These consisted of a forty turn coil of No. 30 wire wound four inches in diameter and connected to the terminals of .0005 variable condensers. On top of these coils were twelve turn No. 24 wire tapped coils which were in series with the aerial and the set.

"I regret very much that I tore the set down to try a later model Carborundum Company set and I never got the results that I did with the first one. I am using a tube set, but have carefully saved the panel etc. of the of the old set and shall rebuild it some day. I never had any condenser in the ground circuit.

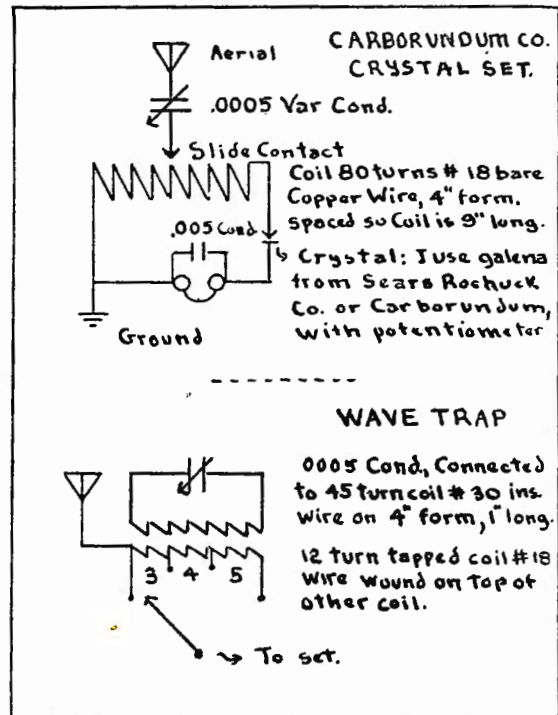
"The greatest distance that I ever heard was 1,130 miles from Havana, which reception was confirmed. In one of the very early radio magazines I once read of a man who received 1,147 miles with a crystal set so I can't claim the record.

"I also heard Hastings, Nebraska, New Orleans, Toronto and Florida stations and closer stations to the total of slightly less than 100. Through some peculiarity of my set at a slide setting corresponding to a wave length slightly less than that of WGY, I frequently heard KDKA short wave transmission. I remember particularly one night when they were arranging a South African broadcast. I wrote them of the occurrence and received a most courteous letter from Mr. Horne who confirmed the fact that it had been a short wave broadcast.

"My aerial is mounted upon the ridge pole of the bungalow type house in which I live. It consisted at that time of a twenty-two foot pole. I made two wooden triangles three feet in length on each

side. One was suspended at the top of the pole, the other at the bottom, the pole passing through the center of each triangle. The aerial wire, No. 12 enamelled copper started at one corner of the top triangle, came down to the lower, went across to another corner, up to the top triangle again over and down again, and then to my set. One solid wire was used directly to the set. It was approximately 100 feet in total length.

"Cottage City is located about a mile from the north-eastern edge of the District of Columbia and has an elevation of about 40 feet above sea level. The strata underlying the top soil at a depth of three to four feet is a coarse wet gravel as if a river once coursed through here. This may explain why my water-pipe ground was so efficient.



"I used a .005 mfd. condenser across the phones. When I shorted out one pair of phones this meant that I had the .005 condenser straight across the Baldwin phones with which I did my listening.

"I omitted to mention a midget condenser which was in parallel with the .0005 condenser of the aerial circuit.

"At the extreme right, as you look at the photograph, is the dial of the aerial condenser. Just to the left of this at the

(Continued on page 63)

And Now The Radio Talkies!

Out of the Laboratory into the Home

SYNCHRONIZED sight and sound broadcasting left the laboratory and appeared before the public for the first time recently. A demonstration of equipment now available for home use, was given in the Lauter Auditorium at Newark, N. J., before an interested group composed of the radio trade, the public and the press.

That the demonstration is not so much a technical advance as it is a practical exhibition, is the point emphasized by D. E. Repogle of the Jenkins Television Corporation. It is pointed out that while other demonstrations of radio television or radiovision have been given in the past, the Newark exhibition is the first public demonstration of combined and synchronized sight and sound broadcasting, utilizing equipment now offered to the public for use in the average home within those territories served by an electric power system common with that of the transmitter. Such a demonstration, therefore, is not to be confused with the excellent but costly laboratory demonstrations heretofore staged for the press and engineering groups, without immediate applicability to average home use.

The radio talkie programs for the Newark demonstration were broadcast simultaneously through the Jenkins radio television station, W2XCR at Jersey City, on 139 meters, and the DeForest radio telephone station, W2XCD on 187 meters. The programs originated in the Jenkins studio, in the form of sound films and silent films run through the television pick-up apparatus. The sound signals were flashed over direct wire to the radio telephone transmitter at Passaic. Louis A. Witten, well-known broadcast program announcer, acted as guest announcer for the debut of the radio talkies.

At the receiving end, two separate and distinct radio sets were employed. First a standard broadcast receiver was employed to tune in the radio telephone signals of Station W2XCD on 187 meters, these signals being received on a

standard home broadcast set at the bottom of the tuning dial. Secondly, a Jenkins short-wave receiver, covering the 100-150 meter band, was tuned to the radiovision signals of W2XCR, amplified, and passed on to a battery of standard Jenkins home radiovisors. The radiovisors were mounted on a stand above the heads of the spectators, and properly tilted, so that successive groups



A Jenkins Model 200 Radiovisor in the home. The front of the cabinet contains a shadowbox leading to a large recessed magnifying lens through which the radiovision images are viewed in enlarged form.

of thirty or more persons could follow the pictures flashed by three cabinet radiovisors. The nearby broadcast receiver supplied the sound accompaniment.

The program was one of considerable interest, even though the means rather than the end might well dominate the situation. Dr. Lee DeForest, inventor of the present-day vacuum tube or foundation of radio and other arts, addressed the audience by picture and voice. The possibilities of applying

radiovision to popular broadcast features was demonstrated by two comedians, reproduced half-length, who cracked jokes and sang for the "lookers-in." Several half-tone pictures and shadow-graphs followed, with incidental music for some and descriptive announcements of Mr. Witten, for others.

Two Jenkins home radiovisors were shown. Model 200 Radiovisor is in the form of a cabinet with shadowbox and simple control panel, intended for those interested primarily in radiovision entertainment. The pictures in magnified form may be followed by several persons at a time. Model 100 Radiovisor is in the form of a simple, exposed assembly, with provisions for changing scanning disks and rotors, adding another form of synchronizing device if desired, and making whatever changes may suit the experimentally inclined. The pictures are so magnified that one or two persons may follow them at a time. Because of the limited magnification, the pictures are exceptionally bright and clear. The driving mechanism is a unique form of Faraday eddy current motor, which is simple, silent and efficient. Both models depend upon synchronous motors, operating on the same alternating current power system as the transmitter, for automatic synchronization. Due to the extensive Public Service power system and its interconnections with other power systems, a wide and densely populated section of the country can be covered by the Jenkins station in Jersey City, with automatic synchronization.

The Jenkins officials wish to make clear that no technical advance is claimed for the demonstration just given. Better pictures have already been shown to public and press. Better results are being obtained regularly under more favorable conditions. However, the demonstration was made under typical, everyday conditions, with equipment that can be bought for the average home in those areas served by the same electric power system. The Jenkins Television Corporation plans to show technical advances from time to time. The recent demonstration was only an introduction to home radiovision, with sound accompaniment.

Reallocation Planned

THE greatest shake-up in frequencies since the earthquake of November 11, 1928, is being hatched. The Radio Commission has accepted the recommendation of its engineers to broaden the distance in frequencies between a number of major stations which, it is felt, are altogether too close both geographically and in kilocycles. Finding it impossible to move the cities geographically, the Commission has addressed the stations to be affected, asking them to show cause why they should not be moved in accordance with the engineer's findings.

Says the Commission: "There are 13 channels involved in the rearrangement. On nine of the thirteen frequencies stations are now suffering from and causing cross-talk with stations on adjacent channels. This interference is due mainly to insufficient frequency separation for the geographical separation between the stations. In some cases the interference has been aggravated by one station installing the most modern equipment and thus extending its service area while the stations on adjacent channels have made no change in equipment. The only course which the Commission can pursue in relieving the existing cross-talk is to change the frequency assignment of the necessary number of stations and thus gain greater frequency separation between the interfering stations.

"The Commission feels this plan when inaugurated will remedy the present difficulty and allow the stations involved to render better service to the public thereby."

Following are the changes proposed to which the Commission hopes to gain the approval and support of the stations concerned. These stations in some cases will have to make extensive changes in their equipment and the reallocation will therefore not take effect for some time. Watch your RADEX for further developments.

	<i>Present Proposed</i>	
WHAS.....	820	1020
KTHS-KRLD..	1040	1070
WBT.....	1080	1040

(Continued on page 20)

Regulating the Voltage

SO many of the inquiries addressed to The Question Mill indicate that the trouble lies in uneven flow of current to the receiver, and we have had so many requests for information as to voltage regulators, that we have decided to inform our readers of certain devices now on the market. We have not had an opportunity to test any of these devices and therefore cannot recommend them, but we believe their makers to be reputable concerns whose advertisements are appearing regularly in the trade papers. Any good dealer can secure these and probably other devices for any readers who desire to experiment with them.

Our technical editor has often pointed out that the 110-volt current may easily mount to 120 particularly at times other than the early evening when the load is heaviest and that this increase is sufficient to cause serious trouble and annoyance in the operation of an a.c. set. The manufacturers of the devices described claim that their use will provide a smooth, even flow of current to the set regardless of the load condition.

The devices differ materially in form and operation but the description of one will suffice to give an idea of the claims of all.

"The new Amperite self-adjusting line control is a recently perfected device constructed in glass bulb form. The Amperite resistance unit is enclosed in a bulb of standard dimensions filled with an inert gas. The operation of this device assures a constant, reliable, instantaneous response to even slight fluctuations in line voltage.

"The Amperite Line Control is provided with the UX type base but with only two prongs. These are the plate and filament prongs which fit into any make of standard UX socket. The two contacts connect directly in series with the primary of the line or power transformer.

"For general radio purposes Amperite Line Controls are designed to handle a fluctuation of about 30 volts (for examples 95 to 125) and to regulate the

current (or voltage) to a constancy of within 10 per cent over this range of fluctuation.

"A number of the leading manufacturers of radio sets are now equipping their receivers with Amperite Controls, but any set may be equipped by having the line or power transformer wound or tapped for a primary of 80 volts. Transformers may be secured already tapped in this way in the primary winding."

The Amperite Self-Adjusting Line



"Ugh, Ugh, heap Big Chief" Ben Selvin costumed in complete Indian regalia, conducts his DeVoe Redskins in a program of old and new dance tunes on Thursday evenings at 9:30 E.S.T. over WABC and the Columbia chain.

Voltage Control is manufactured by the Amperite Corporation, 561 Broadway, New York City.

The Vitrohm 507-109A Unit is made by the Ward Leonard Electric Co., Mt. Vernon, N. Y.

There are doubtless other devices descriptions of which have not been received.

Installing Radio in Automobiles in the May RADEX.

The Newark News Club

THERE are a number of radio clubs in the various cities of the United States and an outstanding example is that one of Newark. The Newark News Radio Club, was organized in December, 1927, when 55 enthusiastic readers of the News radio page gathered in the editorial rooms and formed what they believed to be the first club ever banded together solely in the interests of DX reception.

The club has often been referred to as the brain-child of Charlotte Geer, who conducts the Broadcasts Winnowed radio column of the News, and rightfully so, for it was the personal DX experiences which she described that were responsible for its organization.

The officers of the club have spoken on numerous occasions over WOR and also the NBC chain and each talk resulted in many applications for membership being received, many from far distant points.

Since the club was organized many stations at distant points have cooperated by broadcasting "Courtesy Programs" after midnight at various times, especially for the reception of the members.

The Club meets each first Thursday night monthly, except in July and August. After the business of the club is transacted, entertainment is furnished by radio artists from the various metropolitan stations. Manufacturers of receivers, batteries, tubes, etc., supply speakers who not only give interesting and instructive talks but demonstrate their products as well.

Members of the club may obtain DX qualification certificates in four classes, as follows: "Junior DXer" for logging 100 stations: "Master DXer" for logging 200 stations and having one verification from a station located more than 2,000 miles distant. "Past-Master DXer" for logging 300 stations and have at least five distant verifications. "DX Ace" for logging 400 stations and having at least ten distant verifications.

Once a month the club holds a DX contest for the Newark Evening News

DX Trophy. Members may select any six consecutive hours during the Saturday night designated and must have their lists in the mail not later than the following Monday. All stations listed must be located at least a hundred miles from point of reception and no station can be logged while broadcasting a chain program.

From an interesting letter by John Macaulay, Jr., of Phillipsburg, N. J., we quote the following:

"We now have a membership of some 600 DXers from all over the North American continent. I attended a club banquet in Newark last Saturday and we had such celebrities of the radio world as Phil Cook, Caroline Gray, Bob McGrimsey, Norman Sweetser, and a host of others.

"We run a column every day in the Newark Evening News devoted to the record of members and other DX gossip"

Reallocation Planned

(Continued from page 18)

WRVA.....	1110	1150
WAPI-KVOO _	1140	1130
WOWO-WWVA	1160	1180
KOB-KEX ---	1180	1170
WJJD.....	1130	1090
KYW.....	1020	1140
WTAM.....	1070	1080
KMOX.....	1090	1110
KSL.....	1130	1090
WHAM.....	1150	1160
WCAU.....	1170	820
WMBI-WCBD	1080	1040
WHDI-WDGY	1180	1170

Two for One

The weekly Radio World, the best technical magazine, \$6.00 a year, and RADEX, \$1.75 a year—

Both for \$6.00.

The Question Mill

(Continued from page 8)

house-lighting circuit is 120. Would this make a difference?

Receivers designed for use on 110-volt lighting circuits often develop a hum if the applied voltage is greater than this. It is highly probable that this is the source of your trouble. Get an automatic voltage regulator, which will reduce the voltage to the proper value and will also take care of fluctuations due to varying loads, at all times keeping the voltage applied to the set at 110. Operating your set at 120 volts will also cause the tubes to burn out prematurely, which can be prevented by using the voltage regulator. If, however, the installation of this device does not entirely eliminate your trouble the pole piece of the speaker should be examined for it is probably out of adjustment. This piece of the speaker is held in place by means of a bolt running through it lengthwise, which must be loosened in order to adjust it. You can readily determine whether or not the pole piece is out of adjustment by pressing the cone of the speaker evenly on both sides toward the front and rear just a trifle while the set is in operation. If this decreases the hum, there is sufficient proof of poor adjustment. Then proceed to correct this fault, taking care to get the pole piece properly centered in the voice coil or rattling will result. This can be done by wrapping a piece of thin cardboard around the pole piece several times until the wrapping fits snugly in the voice-coil frame. Then tighten the adjusting bolt on the pole piece and remove the cardboard.

Can you supply me with the address of some concern that supplies refills for B-eliminators? I would also like to know if I could add a power tube to my 5-tube Stewart-Warner receiver, which is battery-operated?

Manufacturers usually attach to their products a nameplate bearing their name and address so that replacement parts can be obtained from them. In the absence of a nameplate ask the radio dealer from whom you purchased the eliminator, where replacement parts can be obtained, or tell us what make of eliminator you have and we will supply you with this

information. Many eliminators are assembled from standard parts but there are also a number of manufacturers who employ parts especially designed and fitted to their products. You can add a power tube to your receiver, substituting it for the last audio tube used at present. However, a C-battery of correct voltage for the particular power tube you wish to use must be cut in the grid circuit of the last audio stage. I suggest that you do not use a power tube requiring a high C-bias and would therefore advise the use of a UX112A tube, which requires 9 volts of C-bias at a plate voltage of 135, the latter voltage being obtained by hooking an additional B-battery to the two used at present, the negative terminal of the additional battery being connected to the 90-volt terminal. The change required in the wiring of the grid circuit is made as follows: Disconnect the lead on the F-negative post of the last audio transformer and substitute a lead connected to the C-battery negative. Then run the first lead, which was disconnected from the transformer, to the positive terminal of the C-battery.

At regular intervals of 2 or 2¼ minutes there is a loud click in my receiver, an all-electric 8-tube set called the "Sky Rover." The click somewhat resembles the snap of a guitar or banjo string. When this happens the reception will almost die out and then in a minute or so there will be another snap and the signal will get louder and louder until it again reaches full strength. I have had this receiver about a year and have always had very good reception, and the trouble has only commenced recently. When I disconnect the ground lead to the set, reception comes in very faintly and the snapping noises are not eliminated, although they are then weak, corresponding to the strength of the signal. When I disconnect the aerial no signals come in at all. Can you advise me where to look for the trouble?

The regularity with which the snapping noises occur in your receiver indicates that in all probability the trouble lies in the set itself, instead of in the aerial and ground circuit, as the noise persists when the aerial is disconnected. The trouble has all the earmarks of an

open grid circuit in the audio stages which would account for the clicks you have experienced. Carefully trace the wiring from the G-terminal of each audio tube for a loose connection or break. If audio transformers are used in your set test the secondary windings for continuity. If your audio amplifier is of the resistance-coupled type, substitute new resistors in the grid circuits. Then trace the lines connected to the F-negative post of the transformers or the corresponding terminals on resistance units, to determine whether they are connected to the ground line of the receiver, as they should be in all-electric receivers. If the cause of the trouble has not been ascertained up to this point, examine the center-tapped resistors which control the grid bias to the audio tubes and most likely one of them will be open, probably burned out. An overloaded detector tube having too high a grid resistance, may cause the same trouble.

My radio set is a Radiola No. 16, electrified with 110-volts direct current. Local stations come in too loud. To control the volume I have connected a Pilot Resistograd across the aerial and ground but, of course, this arrangement allows the tubes to burn full. Is there any better method of controlling the volume of the signals which would cause the tubes to burn dimmer? I am located in New York City and the furthest I have tuned in are stations KTHS, WCCO, WOS, WFIW and almost all of the Chicago stations. How much distance can I reasonably expect from this set?

There are several methods of reducing the volume of your receiver. One method giving the results you desire, consists of connecting a 3-ohm rheostat in series with the fixed resistor or ballast now found in your A-positive line near the binding post. However, burning tubes too low, or rather below the rated capacity, is injurious to the filaments, according to tube manufacturers and ballast makers. Another method of controlling the volume is to cut a variable resistor such as a Clarostat in the B-positive line supplying plate voltage to the radio-frequency stages. A variable resistor cut in one of the

loudspeaker lines will also be capable of cutting down the volume. However, in your case, it might be best to erect a very short aerial and use it in conjunction with the Resistograd arrangement for tuning in local stations, and a long aerial for tuning in distant stations. Your distance record is not particularly alarming, although under good conditions you may, by extremely careful tuning, get farther than 1500 miles.

"Dear Mr. Editor"

(Continued from page 14)

an aerial of 150 feet in length and should be ample for any short wave set.

However, this length may make it difficult to bring in stations in the upper waves of the broadcasting band.

C. S. Wells, 15 Academy Street, Concord, N. H., would like to hear from Leon V. Garland regarding the sort of set on which such excellent results were being secured.

Mrs. C. Kibblehouse, of West Philadelphia, asks for the short wave letters of WHAS at Louisville. Who has received them?

Here we are at the end of our space and we haven't finished half the letters yet. Nothing to do but carry them over to May. We'll just have to find more space somewhere for these interesting comments by RADEX friends.

Attaching Head Phones

(Continued from page 2)

Use soldering lugs under the nuts on the transformer and socket terminals, and solder the leads to the lugs to insure good electrical contact. Inserting the phone plug in the jack disconnects the upper two jack contacts, breaking the plate circuit to the following stages and thus automatically keeping the signal from passing beyond the headphones although the tubes will continue to light.

BOYS

A fine leather football free for only two subscriptions to RADEX.

KEY TO CHAIN STATIONS

CFRB 960 C	KOIN 940 C	W8RC 930 C	WFAN 610 C	WJAX 900 N	WOC 1000 N
CKAC 730 C	KOMO 920 N	WBT 1080 N	WFBL 1360 C	WJDJ 1270 N	WOW 590 N
CKGW 690 N	KPO 680 N	WBZ 990 N	WFBM 1230 C	WJJD 1130 C	WOWO 1160 C
KDKA 980 N	KPRC 920 N	WBZA 990 N	WFI 560 N	WJR 750 N	WPTF 680 N
KDYL 1290 C	KRLD 1040 C	WCAE 1220 N	WFIW 940 C	WJZ 760 N	WRC 950 N
KECA 1430 N	KSCJ 1330 C	WCAH 1430 C	WFJC 1450 N	WKBN 570 C	WREC 600 C
KFAB 770 N	KSD 550 N	WCAO 600 C	WGHP 1240 C	WKBW 1480 C	WREN 1220 N
KFH 1300 C	KSL 1130 N	WCAU 1170 C	WGL 1370 C	WKRC 550 C	WRHM 1250 C
KFJF 1480 C	KSTP 1460 N	WCCO 810 C	WGN 720 N	WKY 900 N	WRR 1280 C
KFKX 1020 N	KTTH 1040 N	WCFL 970 N	WGR 550 N	WLAC 1470 C	WRVA 1110 N
KFI 640 N	KTSA 1290 C	WCKY 1490 N	WGST 890 C	WLAP 1200 C	WSAI 1330 N
KFPY 1340 C	KVI 760 C	WCSH 940 N	WGY 790 N	WLBW 1260 C	WSAZ 580 C
KFRC 610 C	KVOO 1140 N	WDAF 610 N	WHAM 1150 N	WLBZ 620 C	WSB 740 N
KGO 790 N	KWK 1350 N	WDBJ 930 C	WHAS 820 N	WLIB 720 N	WSM 650 N
KGW 620 N	KXA 570 C	WDEL 1120 C	WHEC 1440 C	WLIT 560 N	WSMB 1320 N
KHJ 900 C	KYW 1020 N	WDOD 1280 C	WHK 1390 C	WLS 870 N	WSPD 1340 C
KHQ 590 N	WABC 860 C	WDSU 1250 C	WHO 1000 N	WLW 700 N	WTAG 580 N
KLRA 1390 C	WADC 1320 C	WEAF 660 N	WHP 1430 C	WMAK 900 C	WTAM 1070 N
KLZ 560 C	WAIU 640 C	WEAN 780 C	WIBO 560 N	WMAL 630 C	WTAR 780 C
KMBC 950 C	WAPI 1140 N	WEAR 1070 N	WIBW 580 C	WMAQ 670 C	WTIC 1060 N
KMOX 1090 C	WBAL 1060 N	WEBC 1290 N	WIOD 1300 N	WMC 780 N	WTMJ 620 N
KNX 1050 C	WBAP 800 N	WEEI 1270 N	WISN 1120 C	WMT 600 C	WWJ 920 N
KOA 830 N	WBBM 770 C	WENR 870 N	WJAR 890 N	WNAC 1230 C	WWNC 570 C
KOIL 1260 C	WBCM 1410 C	WFAA 800 N	WJAS 1290 C	WOAI 1190 N	

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. After the last Sunday in April subtract an additional hour for Daylight Saving Time.

Lists beginning with WEAJ and WJZ are the National Broadcasting Co., while those beginning with WABC are the Columbia Broadcasting System.

These programs are correct to April first but are subject to change daily thereafter

Daily (Except Saturday and Sunday)

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

8:00-8:15 The Aunt Jemina Man
WJZ WBAL WHAM KDKA WJR WBZ
WBZA CKGW WRC

8:00-8:30 Organ Reveille
WABC WCAU WCAO WHP WJAS WFBL
WMAK WHK WKRC WGHP WKBN KOIL
KMBC WIBW KFH WBCM WSPD WMT
WWNC WBRC WDOD WREC WLAC KLRA

8:30-8:45 Morning Devotions
WABC WCAU WHP WFBL WMAK WKRC
WGHP KOIL KMBC KFH WBCM WSPD
WWNC WDBJ WBRC WDOD WREC WLAC

8:30-9:00 Cheerio
WEAF WEEI WCKY WRC WGY WGR
WJAR WTAG WCSH WCAE WWJ WOW
WDAF KSTP WPTF WAPI KPRC WFI
WSB WJAX WTAM WRVA WHAS CKGW

9:30-10:00 Morning on Broadway
WABC WMAL WHP WLBW WFBL WKBW
WGHP WBBM KMOX KOIL WGL WBCM
WSPD WWNC WDBJ WBRC WFIW WDOD
WREC WLAC KLRA KDYL

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

10:00-11:00 National Home Hour
WEAF WEEI WJAR WTAG WCSH WFI
WRC WTAM WGY WGR WCAE WWJ
WSAI WHO KFKX WCFL

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

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

12:00-12:30 Columbia Revue
WABC WEAN WFAN WCAO WMAL WHP
WJAS WLBW WFBL WMAK WADC WGHP
WKBN WOWO KMBC WCCO WBCM WMT
WWNC WDBJ WBRC WFIW WDOD WREC
KLRA KLZ KHJ KFRK KFPY

12:30-1:30 Yoeng's Restaurant Orchestra
WABC WEAN WNAC WLBZ WCAU WCAO
WMAL WHP WJAS WLBW WFBL WMAK
WADC WKRC WGHP KOIL KMBC WCCO
KFH WBCM WSPD WMT WWNC WBRC
WFIW WDOD WREC WLAC KLRA KLZ

12:45-1:30 National Farm and Home Hour
WJZ WHAM KDKA WJR WLW KSTP
WECB WRVA WPTF WBT WJAX WHAS
WSM WMC WSB KVOO WKY WOAI
WRC WHO WOW WDAF KPRC WJDX
WBAL WBAP WSMB WIOD KFKX KWK
WREN KOA WLS

1:30-2:00 Harold Stern and Ambassador Orchestra
WABC WEAN WLBZ WCAU WCAO WMAL
WHP WJAS WLBW WFBL WMAK WADC

WKRC WGHP WBCM WSPD WWNC WDBJ
WBRC WDOD WLAC KLRA

2:45-3:45 Band of a Thousand Melodies
WJZ WBAL WJR KDKA KWK WAPI
KYW WSM

3:00-3:30 Columbia Ensemble
WCAO WMAL WHP WJAS WFBL WMAK
WADC WGHP WKBN WFBL KMOX KMBC
WISN WIBW WGL WBCM WSPD WMT
WWNV WDBJ WBRC WDOD WREC WLAC
KLRA KLZ KVI KFPY

3:30-4:00 Columbia Educational Features
WABC WCAU WCAO WMAL WHP WFBL
WMAK WADC WKRC WKBN WFBL WMAQ
KOIL KMBC WIBW WGL WBCM WSPD
WMT WWNC WDBJ WBRC WDOD WREC
WLAC KLRA KLZ KDYL KVI KFPY

4:00-5:00 U.S. Band Concert
WABC WEAN WNAC WLBZ WCAU WCAO
WMAL WHP WFBL WMAK WADC WHK
WKRC WGHP WFBM WMAQ WBBM KMOX
KOIL KMBC WISN WIBW WGL WBCM
WSPD WMT WWNC WDBJ WBRC WDOD
WREC WLAC KLRA KLZ KDYL KFRK

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

11:30-11:45 Amos 'n' Andy
KYW KWK WREN WTMJ KSTP WEBC
WKY WFAA KPRC WOAI KOA KSL
WDAF WMAQ KECA KGO KOMO KGW
KHQ WHAS WSM WMC WSB WSMB

Sunday

1:30-2:00 Ballad Hour
WLBZ WCAU WCAO WHP WFBL WKBW
WADC WKRC WGHP WKBN KMBC WISN
WCCO WIBW WBCM WSPD WMT WWNC
WDBJ WBRC WFIW WDOD WLAC KLRA
KLZ KVI KFPY

2:00-3:00 Roxy Symphony Concert
WJZ WBZA WBZ WBAL KDKA WLW
KYW WRC WFAA WECB KFAB CKGW
WHAS KSTP

2:00-3:00 Montreal Symphony Orch., Edmund Trudel, Dir.
WABC WEAN WNAC WLBZ WCAU WCAO
WMAL WHP WFBL WKBW WADC WKRC
WGHP WKBN WFBL KMOX WISN WCCO
WIBW WBCM WSPD WMT WWNC WDBJ
WBRC WFIW WDOD WLAC KLRA KLZ
KDYL KVI KFPY WMAQ KMOX

3:00-3:30 Columbia Male Chorus
WABC WLBZ WCAU WCAO WMAL WHP
WJAS WFBL WKBW WADC WHK WKRC
WGHP WKBN WOWO WFBM WMAQ KMOX
KOIL KMBC WISN WCCO WIBW KFH
WBCM WSPD WMT WWNC WDBJ WBRC
WFIW WDOD WREC WLAC KLRA KLZ
KDYL KVI KFPY

3:00-4:00 Chicago Symphony Orchestra
KSD WOC WOW WDAF KSTP WTMJ
WECB WJR WGN

3:00-4:00 National Youth Conference	WJZ WBAL WRVA WPTF WSB WOAI KFAB KDKA WLW KWK WREN KVOO KPRC KSL KGO KGW KOMO WBT WFAA WAPI WJAX	WIBW WGL WBCM WMT WWNC WDBJ WFIW WDOD WREC KLRA KLZ KDYL
3:30-4:00 Conclave of Nations	WABC WLBZ WCAU WCAO WMAL WHP WJAS WFBL WKBW WADC WHK WKRC WGHP WKBN WOWO WFBM WMAQ KOIL KMBC WISN WCCO WIBW KFH WBCM WSPD WMT WWNC WDBJ WBRC WFIW WDOD WREC WLAC KLRA KLZ KVI	8:00-8:15 Enna Jettick Melodies WJZ WBZ WBZA WHAM WKY WJR KWK WREN WFAA KPRC WOAI WHAS WSM WTMJ KSTP WMC KOA KYW WEBC WIOD KTHS WSMB KPO KOMO KFI KGW KSL CKGW WJDX KDKA
4:00-5:00 Cathedral Hour	WABC WEAN WNAC WLBZ WCAU WCAO WMAL WHP WJAS WLBW WFBL WKBW WADC WHK WKRC WGHP WKBN WOWO WFBM KMOX KOIL KMBC WISN WCCO WIBW KFH WBCM WSPD WMT WWNC WDBJ WBRC WFIW WDOD WREC WLAC KLRA KLZ KDYL KVI KFPY	8:00-8:30 La Palina Rhapsodizers WABC WEAN WNAC WCAU WCAO WMAL WJAS WLBW WFBL WMAK WADC WHK WKRC WGHP WFBM WMAK WADC WHK WISN WJJD WSPD KMOX KOIL KMBC
4:00-5:00 Dr. S. Parkes Cadman	WEAF WEEI WJAR WTAG WCSH WGY WGR WCAE WOW WRVA WPTF WJAX WBT WSM WMC WSB WKY WOAI KGO KOMO KHQ WSAI WHAS WAPI KVOO KPRC KOA WEBC KGW WFJC	8:15-9:15 Collier's Radio Hour WJZ WBZ WBZA WHAM KDKA WJR KYW KWK WREN KOA KSL KGW KOMO KHQ KPO KFI WCKY
5:00-5:30 McKesson News Reel	WABC WEAN WNAC WCAU WMAL WJAS WLBW WFBL WHEC WKBW WADC WHK WKRC WGHP WOWO WMAQ KMOX KOIL KMBC WISN WCCO KFH WSPD WWNC WTAR WDBJ WBRC WDOD WREC WLAC WDSU KRLD KLRA KFJF K TSA KLZ KDYL KHJ KFRC KOIN KVI KFPY	8:30-9:00 In a Russian Village WABC WEAN WNAC WFAN WCAO WMAL WHP WJAS WLBW WFBL WMAK WADC WHK WKRC WGHP WKBN WFBM KMOX KOIL KMBC WISN WGL WBCM WSPD WMT WWNC WDBJ WDOD WLAC KLRA KLZ KDYL KHJ KFRC KVI KFPY
5:00-6:00 Davey Hour	WEAF WEEI WJAR WTAG WCSH WFI WRC WGY WGR WCAE WFJC WSAI KSD WOW WDAF WTAM WENR WOC	8:30-9:00 Chase and Sanborn Choral Orchestra WEAF WJAR WTAG WCSH WRC WGY WGR WCAE WFJC WAPI WWJ WSAI KSD WOW WLS WDAF WIOD WHAS WEBC WMC WSB CKGW WSMB WKY KTHS KPRC WOAI WBT WTMJ WJDX WTAM KSTP WLIT WIBO WHO WPTF
5:00-6:00 National Religious Service	WJZ WBZ WBZA WBAL WHAM KFAB WLW KWK WEBC WJAX WSMB KOA	9:00-9:15 "Our Government" WEAF WJAR WTAG WCSH WRC WGY WCAE KSD WHAS WKY WSAI WFJC WSB WBT WMC WSM WFAA WOW WOAI WWJ WSMB WTIC WEBC RVA WJDX KVOO WLIT WOC WPTF
5:30-6:00 Sermon by Rev. Donald Grey Barnhouse	WABC WEAN WNAC WCAU WCAO WMAL WHP WJAS WLBW WFBL WKBW CFRB WADC WKRC WGHP WOWO WFBM WMAQ	9:00-10:00 Majestic Theatre of the Air WABC WEAN WNAC WCAU WCAO WMAL WJAS WLBW WFBL WMAK WDEL CFRB CKAC WADC WHK WKRC WGHP WOWO WFBM WBBM KMOX KOIL KMBC WISN WCCO WIBW WSPD WWNC WSAZ WTAR WDBJ WBRC WDOD WREC WLAC WDSU KRLD KLRA KFJF K TSA KLZ KDYL KHJ KFRC KOL KOIN KFPY CNRO
6:00-7:00 Catholic Hour	WEAF WEEI WJAR WTAG WCSH WRC WGY WWJ KSD WEBC WBT WIOD WSM WAPI WKY WJDX KGO KPO KHQ KOMO KGW WSAI WHO WLIT WGR KOA WFJC CKGW	9:15-10:15 Atwater Kent Hour WEAF WEEI WRC WFI WGY WGR WCAE WTAM WWJ WSAI WGN KSD WOW KSTP KOA KSL KFI KGW KOMO KPO KHQ WSM WMC WSB WFAA KPRC WOAI WKY WSMB WBT WHAS WDAF WHO
6:30-7:00 O' Cedar Time	WABC WEAN WNAC WCAU WMAL WJAS WLBW WFBL WKBW WADC WHK WKRC WGHP WOWO WMAQ KMOX KOIL KMBC	10:00-10:30 Royal's Poet of the Organ WABC WEAN WNAC WCAU WCAO WMAL WJAS WLBW WFBL WKBW WADC WHK WKRC WGHP WOWO WFBM WBBM KMOX KOIL KMBC WSPD KLZ KDYL KEJ KFRC KOL KOIN KFPY
7:00-7:30 Durant Heroes of the World	WEAF WJAR WTAG WCSH WRC WGY WCAE WFJC WWJ WSAI WLS KSD KOA WDAF WEBC WRVA KSTP WPTF WBT WJAX WIOD WHAS WSM WMC WSB WSMB WKY KPRC WOAI WFAA WGR WEEI WAPI WOW WLIT WTMJ	10:15-1045 Studebaker Champions WEAF WTIC WTAG WFI WCSH WRC WGY WGR WCAE WTAM WWJ WGN KSTP WJAR WTMJ WEBC KOA KGO KGW KOMO KFI KHQ WOW WEEI WDAF WFJC WSAI WHO
7:00-7:30 The Globe Trotter	WFAN WMAL WHP WJAS WFBL WKBN KMOX WISN WIBW WBCM WSPD WMT WWNC WDBJ WFIW WDOD KLRA KLZ KFRC KVI KFPY	10:30-11:00 Arabesque WABC WEAN WNAC WCAO WMAL WHP WJAS WLBW WFBL WKBW WADC WKRC WGHP WKBN WOWO WFBM WMAQ KMOX KOIL KMBC WISN WIBW KFH WBCM WSPD WMT WDBJ WBRC WFIW WDOD WLAC KLRA KLZ KDYL KFPY
7:30-7:45 Twinplex Twins	WABC WEAN WNAC WCAU WCAO WMAL WJAS WLBW WFBL WHEC WADC WKRC WGHP KMOX KOIL WJJD	10:45-11:15 Sunday at Seth Parker's WEAF WCAE WHAS WJAX WOW WKY WWJ WFJC WGY WRC KOA KGO WEEI WIOD WGR KPRC WMC WSB
7:30-8:00 Williams' Oilomatics	WJZ WBZ WBZA WBAL WJR WGN KWK KOA KSL WHAM WLW WREN	11:00-12:00 Back Home Hour WABC WMAL WHP WLBW WKBW WADC WGHP WKBN WFBM WISN WCCO KFH
7:30-8:00 Major Bowes' Family	WEAF WJAR WRC WGY WCAE WWJ WSAI WJDX KSD WOW WFJC WIOD WHAS WMC WSB WKY WTAM KTHS WOAI WSMB KSTP WCSH WTMJ WHO	
7:45-8:00 The World's Business	WABC WEAN WNAC WCAO WMAL WJAS WLBW WFBL WADC WKRC WGHP WKBN WMAQ KMOX KOIL KMBC WISN WCCO	

WBCM WSPD WDBJ WFIW WDOD WREC
 KLRA KFPY WHK
 11:15-11:45 Russian Cathedral Choir
 WEAF WJAX WWJ WOW WBAP WGY
 KSTP WRC WGR WMC WHO

Monday

11:15-11:30 Senator Arthur Capper
 WABC WEAN WNAC WLBZ WCAO WMAL
 WJAS WLBW WFBL WMAK WGHP KMBC
 WIBW WBCM WSPD WWNC WDBJ WFIW
 WDOD WREC KLRA KDYL KVI KFPY

11:30-11:45 Children's Corner
 WABC WEAN WNAC WLBZ WCAO WMAL
 WHP WJAS WLBW WFBL WMAK WGHP
 WKBN KMBC WBCM WMT WWNC WDBJ
 WFIW WDOD WREC KLRA KLZ KHJ
 KFRC KVI KFPY

11:45-12:00 Your Diet
 WABC WEAN WNAC WLBZ WCAO WMAL
 WHP WJAS WLBW WFBL WMAK WGHP
 WKBN WBCM WMT WWNC WDBJ WFIW
 WDOD WREC KLRA KVI KFPY

2:00-2:30 The Honoluluans
 WABC WLBZ WFAN WCAO WMAL WHP
 WJAS WFBL WMAK WADC WGHP WKBN
 WFBM WBBM KOIL WISN WBCM WSPD
 WMT WWNC WDBJ WBRC WDOD WREC
 WLAC KLRA KLZ KDYL KHJ KFPY

2:30-3:00 Ann Leaf at the Organ
 WABC WEAN WNAC WLBZ WCAU WCAO
 WMAL WHP WJAS WFBL WMAK WADC
 WHK WKRC WGHP WKBN WOWO WFBM
 WBBM KOIL KMBC WISN WIBW KFH
 WBCM WSPD WMT WWNC WDBJ WBRC
 WDOD WREC WLAC KLRA KLZ KDYL
 KHJ KVI KFPY

3:45-4:00 "Gardening for Recreation"
 WJZ KDKA WJR KYW KWK KSTP
 WHAS WSM WJAX WPTF WRC WMC

4:00-5:00 U.S. Marine Band
 WJZ WBAL WREN KWK WCFL WRC

4:15-5:00 Pacific Vagabonds
 WEAF KOA KGO KGW WDAF WAPI
 KSD WIBO WCSH KSTP WSM WHO

5:00-5:45 National Student Federation
 WABC WFAN WCAO WMAL WHP WJAS
 WFBL WMAK WKRC WGHP WKBN WMAQ
 KMOX KMBC WISN WGL WBCM WMT
 WWNC WDBJ WDOD WREC KLRA KLZ

6:00-6:30 Mormon Tabernacle Choir
 WJZ WBAL WSM KWK KOA KSL
 KGO KOMO KFAB WAPI KDKA KSTP
 WREN WRVA WIBO KGW KPO WLW

6:00-6:30 Jan Garber and His Hollywood Orchestra
 WABC WHP WLBW WFBL WMAK WADC
 WGHP WKBN WBBM KMBC WCCO WGL
 KFH WBCM WMT WDBJ WBRC WFIW
 WDOD WREC KLRA KLZ KVI KFPY

6:30-7:00 Yoeng's Restaurant Orchestra
 WCAU WMAL WHP WJAS WLBW WMAK
 WKRC WGHP WFBM KOIL KMBC WISN
 WGL KFH WBCM WWNC WDBJ WBRC
 WFIW WDOD KLRA KLZ KVI KFPY

7:15-7:30 The World Today
 WEAF WJAR WCSH WFI WRC WCAE
 WWJ WSAI KSD WBC WBT WSB
 WSMB WOAI WJDX KSTP

7:30-8:00 Voices from Filmland
 WABC WHP WJAS WADC WHK WKRC
 WGHP WAIU WFBM WMAQ KMOX KMBC
 WISN WCCO WIBW KFH WBCM WSPD
 WSAZ WBRC WDOD WREC WLAC WLAP
 KRLD KLRA KFJF KLZ KDYL KHJ
 KFRC KOIN KVI KFPY

7:30-8:00 Roxy and His Gang
 WJZ WBZ WREN WBZA WHAM KWK
 WSB WSM WSMB WPTF WIBO WJDX

7:45-8:00 Back of the News in Washington
 WEAF WOC WBC WJAR WCSH WGR
 WSAI KVOO WDAF WCAE WRC WOW
 KGO KGW KSD KSTP

8:00-8:30 Henry-George
 WABC WEAN WNAC WCAU WCAO WMAL
 WJAS WLBW WFBL WMAK WADC WHK
 WKRC WGHP WFBM WMAQ KMOX KOIL
 KMBC WISN WCCO WGL KFH WSPD

8:00-8:30 Voice of Firestone
 WEAF WEEI WTIC WJAR WTAG WCSH
 WLIT WRC WGY WGR WCAE WWJ
 WSAI KSD WOC WOW WDAF WIOD
 KTHS WSMB KSTP WTMJ WEBC WJAX
 WHAM WSM WMC WSB WBT WRVA
 KVOO KPRC WOAI WKY WFJC WTAM
 WFAA WJDX CKGW KYW WPTF

8:30-9:00 Ingram Shavers
 WJZ WBZ WBZA WHAM KWK WHAS
 WJR WLW WREN KDKA KYW WIOD
 WRVA WJAX WMC WSB WKY KTHS
 KPRC KFAB WBT WEBC WSM WSMB
 WOAI WTMJ KOA

8:30-9:00 Ceco Couriers
 WABC WEAN WNAC WCAU WCAO WMAL
 WJAS WLBW WFBL WMAK WADC WHK
 WKRC WGHP WFBM WMAQ KMOX KOIL
 KMBC WCCO WSPD

8:30-9:30 A. & P. Gypsies
 WEAF WEEI WTIC WJAR WTAG WCSH
 WLIT WRC WGY WGR WCAE WWJ
 WSAI WGN KSD WOC WDAF WTAM

9:00-9:30 Ted Fiorito and His Orchestra
 WJZ WBZ WBZA WHAM KDKA WJR
 KYW KWK WREN KSTP WEBC WSM
 WMC WSB WSMB KVOO WKY KTHS
 KPRC WOAI KOA KSL WCKY WJDX
 KGO KECA KGW KHQ KOMO

9:00-9:30 Physical Culture Magazine Hour
 WABC WEAN WNAC WCAU WCAO WMAL
 WJAS WLBW WFBL WMAK WADC WHK
 WKRC WGHP WMAQ KMOX KOIL KMBC

9:30-10:00 Chesebrough Real Folks
 WJZ WBZ WBZA WHAM KDKA KWK
 KYW WLW WJR CKGW WREN

9:30-10:00 General Motors Family Party
 WEAF WEEI WTIC WJAR WCSH WTAG
 WLIT WRC WGY WGR WCAE WTAM
 WWJ WGN KSD WOC WOW WDAF
 KSTP WSAI WTMJ WHAS WSM WMC
 WSB WBT WJAX WFAA KPRC WOAI
 WKY KOA KSL KGO KFI KGW

9:30-10:00 An Evening in Paris
 WABC WEAN WNAC WCAU WCAO WMAL
 WJAS WLBW WFBL WMAK CFRB WADC
 WHK WKRC WGHP WOWO WMAQ KMOX
 KOIL KMBC WSPD

10:00-10:30 Stromberg-Carlson Program
 WJZ WBZ WBZA WHAM KDKA WJR
 KYW KWK WREN WTMJ WEBC WRVA
 WBT WJAX WIOD WHAS WSM WMC
 WSB WAPI WSMB WKY KTHS WBAP
 KPRC WOAI KOA KGO KFI KGW
 KHQ KOMO WJDX KSTP

10:00-10:30 Whittall Anglo-Persians
 WEAF WEEI WTIC WJAR WTAG WCSH
 WLIT WGY WGR WCAE WFJC WWJ
 WSAI KSD WOC WOW WDAF WRC

10:00-10:30 Robert Burns' Panatela Program
 WABC WEAN WNAC WCAU WCAO WMAL
 WJAS WLBW WFBL WMAK WADC WHK
 WKRC WGHP WOWO WFBM WMAQ KMOX
 KOIL KMBC WSPD

10:30-11:00 Empire Builders
 WJZ WBZ WBZA WHAM KDKA WJR
 KYW KWK WREN WTMJ KSTP WLW
 WEBC WKY WFAA KPRC WOAI KOA
 KSL KGO KFI KOMO KHQ KGW

10:30-11:00 Gold Strand Crusaders
 WABC WEAN WNAC WCAU WCAO WMAL
 WHP WJAS WLBW WFBL WHEC WMAK
 WADC WHK WKRC WGHP WOWO WFBM
 WMAQ KMOX KOIL KMBC WISN WCCO
 KFH WSPD WWNC WTAR WDBJ WBRC
 WDOD WREC WLAC WDSU KRLD KLRA
 KFJF KTSA KLZ KDYL KHJ KFRC
 KOL KOIN KFPY

11:00-11:30 The Columbians
 WABC WEAN WNAC WCAU WCAO WMAL
 WLBW WFBL WMAK WHK WKRC WGHP
 WKBN WOWO WFBM KOIL KMBC WISN
 WCCO WIBW KFH WBCM WSPD WMT
 WWNC WDBJ WFIW WDOD WREC KLRA
 KLZ KDYL KFPY

11:30-12:00 Roy Ingraham's Paramount Orchestra
 WABC WEAN WCAO WMAL WLBW WFBL
 WKBW WADC WGHP WKBN WOWO WFBM
 KOIL KMBC WISN WIBW KFH WBCM
 WSPD WMT WWNC WDBJ WBRC WFIW
 WDOD WREC KLRA KLZ KDYL KFPY

11:45-12:00 Literary Digest Prohibition Poll
 WKW WENR WREN KFAB KSTP WEBC
 WTMJ WHAS WSM WMC WSB WJDX
 WAPI WSMB KPRC WFAA WOI WKY

Tuesday

9:30-9:45 U.S. Army Band Concert
 WABC WMAL WHP WLBW WFBL WKBW
 WGHP WBBM KMOX KOIL WGL WBCM
 WSPD WWNC WDBJ WBRC WFIW WDOD
 WREC WLAC KLRA KDYL

11:00-11:15 "Your Child"
 WEAFF WRC WOC WGY WWJ KSD
 WSM KSTP WJAR WTAG WCSH WCAE
 WSAI WEBC WPTF WBT WJAX WIOD
 WHAS WKY KTHS

11:00-11:30 Air-Way House Cleaning
 WABC WEAN WNAC WCAU WCAO WMAL
 WJAS WLBW WFBL WHEC WKBW WADC
 WKRC WGHP WOWO WFBM WBBM KMOX
 KOIL KMBC WSPD

4:30-5:00 Auction Bridge Game
 WEAFF WEEI WTIC WJAR WTAG WCSH
 WLIT WRC WGY WGR WCAE WTAM
 WWJ WSAI WGN KSD WOC WOW
 WDAF WRVA WBT WJAX WHAS WSM
 WMC WSB WAPI KVOO WKY KTHS
 WFAA KPRC WOI

5:30-6:00 Club Plaza Orchestra
 WFAN WCAO WMAL WHP WJAS WFBL
 WKBW WGHP WKBN WOWO WMAQ KMBC
 WCCO WBCM WMT WDOD WREC KLRA

6:30-7:00 Charles Dorenberger's Orchestra
 WABC WHP WJAS WLBW WFBL WKBW
 WKRC WKBN WOWO WFBM KMBC KFH
 WBCM WDBJ WBRC WFIW WDOD KLRA
 KLZ KFRC KVI KFPY

6:45-7:00 Literary Digest Prohibition Poll
 WJZ WBZ WBZA WLW WHAM KDKA
 WJR WRVA WPTF WBT WJAX WIOD

7:00-7:30 Bernhard Levitow's Commodore Ensemble
 WLBZ WCAO WMAL WHP WJAS WLBW
 WKBW WKBN WBCM WMT WDBJ WBRC
 WDOD KLRA KLZ KFRC KVI KFPY

7:00-7:30 Voters' Service
 WEAFF WJAR WTAG WCSH WGR WWJ
 WSAI WOW WDAF WEBC WHAS WMC
 WSMB WFAA WSB WOI KGO KGW
 KOMO KHQ KOA WHO WJDX

7:30-8:00 Manhattan Moods
 WLBZ WFAN WCAO WHP WLBW WKBW
 WKBN KOIL WIBW WBCM WMT WDBJ
 WBRC WDOD WREC WLAC KLRA KLZ

7:30-8:00 Soconyland Sketches
 WEAFF WEEI WJAR WTAG WCSH WGY

8:00-8:30 Pure Oil Orchestra
 WJZ WBAL WHAM KDKA WJR KYW
 WKW WREN KSTP WTMJ WEBC WHAS
 WMC WBT WJAX WRVA WSM WSB
 WCKY WIOD KFAB WJDX

8:00-8:30 Blackstone Program
 WABC WEAN WNAC WCAU WCAO WMAL
 WHP WJAS WLBW WFBL WHEC WKBW
 WGHP KOIL KMBC WRHM WMT

8:30-9:00 Romany Patteran
 WABC WEAN WNAC WCAU WCAO WMAL
 WHP WJAS WLBW WFBL WKBW WADC

WHK WKRC WKBN KMOX KOIL KMBC
 WIBW WBCM WSPD WDBJ WBRC WDOD
 WREC WLAC KLRA KLZ KFPY

8:30-9:00 Around the World with Libby
 WJZ WBZ WBZA WBAL WHAM KDKA
 WJR WLW WKW KYW WHAS WSM
 WMC WSB WSMB KOA KSL KGO
 KGW KOMO KHQ KECA WREN

8:30-9:00 Florsheim Frolic
 WEAFF WEEI WJAR WTAG WCSH WFI
 WRC WGY WGR WCAE WWJ WSAI
 WGN KSD WOW WDAF WEBC WRVA
 WBT WJAX WIOD WKY WOI WBAP
 WHO WPTF KSTP KPRC

9:00-9:30 Eveready Program
 WEAFF WEEI WFI WRC WGY WGR
 WCAE WTAM WWJ WGN KSD WHO
 WDAF WHAS WSM WMC WSB WJAR
 KOA KSL KGO KFI KGW KOMO
 KHW WSMB WJDX WCSH WFJC WSAI

9:00-9:30 Johnson and Johnson
 WJZ WBZ WBZA WBAL WHAM KDKA
 KYW WKW WLW CKGW WREN

9:00-10:00 Old Gold-Paul Whiteman Hour
 WABC WEAN WNAC WCAU WCAO WMAL
 WHP WJAS WLBW WFBL WHEC WKBW
 WADC WHK WKRC WGHP WKBN WOWO
 WFBM WBBM KMOX KOIL KSCJ KMBC
 WISN WCCO KFH WBCM WSPD WMT
 WWNC WTAR WDBJ WGST WBRC WFIW
 WDOD WREC WLAC WDSU KRLD KLRA
 KFJF K TSA KLZ KDYL KHJ KFRC
 KXA KOIN KFPY

9:30-10:00 Sunoco Show
 WJZ WBZA WBAL WHAM KDKA WJR
 WCKY KYW CKGW

9:30-10:00 Happy Wonder Bakers
 WEAFF WJAR WEEI WTAG WCSH WRC
 WGY WGR WCAE WTAM WFJC WWJ
 WSAI WIBO KSD WHO WOW WDAF
 WTMJ KSTP WEBC WRVA WHAS WMC
 WSB WSMB KVOO WKY WOI KOA
 KSL WJDX KGO KOMO KECA KGW
 KHQ WBAP WFI

10:00-10:30 Westinghouse Salute
 WJZ WBZ WBZA WBAL KDKA WJR
 KYW WKW WEBC WBT WJAX WHAS
 WSM WMC KECA WAPI WSMB KGW
 KPRC KOA KSL KGO KHQ KOMO
 WHAM WREN WRVA WKY WOI WSB

10:00-10:30 Graybar's, "Mr. and Mrs."
 WABC WEAN WNAC WCAU WCAO WMAL
 WJAS WLBW WFBL WKBW WADC WHK
 WKRC WGHP WKBN WOWO WFBM WBBM
 KMOX KOIL KMBC WISN WCCO WIBW
 WSPD WWNC WTAR WDBJ WGST WBRC
 WDOD WREC WLAC WDSU KRLD KLRA
 KFJF K TSA KLZ KDYL KHJ KFRC
 KOL KOIN KFPY

10:30-11:00 Columbia Symphony Orchestra
 WABC WEAN WNAC WFAN WCAO WMAL
 WHP WJAS WLBW WFBL WKBW WHK
 WKBN WBRC WFIW WREC WLAC KLRA

10:30-11:30 Radio-Keith-Orpheum Hour
 WEAFF WEEI WJAR WTAG WCSH WFI
 WRC WGY WGR WCAE WFJC WWJ
 WSAI KSD WHO WOW WAPI WSMB
 WFAA KPRC WOI WKY KTHS KOA
 KSL KGO KGW KOMO KHQ WIBO
 WTAM WJDX WTMJ KSTP WRVA WBT
 WJAX WIOD WHAS WSM WMC WSB
 WDAF WEBC KECA

11:00-11:30 Ted Weems and His Orchestra
 WABC WEAN WFAN WCAO WMAL WHP
 WLBW WFBL WKBW WGHP KOIL KMBC
 WISN WIBW KFH WBCM WSPD WMT
 WDBJ WBRC WFIW WDOD WREC KLRA
 KLZ KDYL KFPY

11:30-12:00 Phil Spitalny's Music
 WEAFF WFI WGR WFJC WWJ WOW
 KSD CKGW WDAF

Wednesday

10:30-11:00 Interior Decorating
WABC WEAN WNAC WCAU WCAO WMAL
WHP WJAS WLBW WFBL WMAK WADC
WHK WKRC WGHP WOWO WFBM WBBM
KMOX KOIL KMBC WISN WSPD

2:30-3:00 Syncopated Silhouettes
WABC WEAN WNAC WCAU WCAO WMAL
WHP WJAS WFBL WMAK WADC WHK
WKRC WGHP WKBW WFBM WBBM KOIL
KMBC WISN WIBW WGL KFH WBCM
WSPD WMT WWNC WDBJ WBRC WDOD
WREC WLAC KLRA KLZ KDYL KVI
KFPY

2:45-3:45 U.S. Navy Band
WJZ WBAL KDKA KWK WRVA KOA

5:00-5:15 Columbia Grenadiers
WABC WEAN WFAN WMAL WHP WFBL
WMAK WGHP WKBW WMAQ KMOX KMBC
WISN WCCO WSPD WMT WWNC WDOD
WREC KLRA KLZ

5:00-5:15 National Woman's Party
WJZ WBAL WHAM WLW KWK KSTP
WEBC WBT WJAX WHAS WMC WSB
KVOO WBAP WISN KPRC WOAI KOA
KGO WRC WJDX KOMO WSM

5:15-5:45 Twilight Troubadors
WFAN WMAL WHP WJAS WFBL WMAK
WGHP WKBW WMAQ KMOX KMBC WISN
WCCO WGL WBCM WMT WWNC WDOD
WREC KLRA KLZ

6:15-6:30 "Going to Press"
WABC WLBW WFBL WADC KMBC KFH
WBCM WMT WWNC WDBJ WFIW WDOD
WREC KLRA KLZ KDYL KVI KFPY

6:30-7:00 Roy Ingraham's Paramount Orchestra
WABC WHP WJAS WIBW WFBL WMAK
WKRC WKBW KOIL KMBC WGL KFH
WBCM WWNC WDBJ WBRC WFIW WDOD
KLRA KLZ KFRC KVI KFPY

7:00-7:30 Bernhard Levitov and His Ensemble
WABC WLBZ WMAL WHP WJAS WLBW
WMAK WHK WFBM KOIL WISN WCCO
WGL WBCM WMT WWNC WDBJ WBRC
WDOD KLRA KLZ KHJ KFRC KVI

7:30-7:45 Adventures of Colonel Powell
WABC WLBZ WLBW WFBL KMBC WCCO
WBCM WMT WWNC WDBJ WDOD WLAC
KLRA KLZ KHJ KFRC KVI KFPY

7:45-8:00 The Shoe-Flyer
WABC WEAN WNAC WCAU WCAO WFBL
WHEC WHK WKRC WGHP WFBM WMAQ
KMOX WISN WCCO WDSU KRLD KLZ
KDYL KHJ KFRC KOIN KVI KFPY

7:45-8:00 Wilbur Coon Players
WEAF WTIC WJAR WTAG WCSH WRC
WGY WGR WCAE WFJC WWJ WSAI
WIBO KSD WOC WOW WDAF

8:00-8:30 General Mills Fast Freight
WABC WEAN WNAC WCAU WCAO WMAL
WJAS WLBW WFBL WKBW WADC WHK
WKRC WGHP WAIU WFBM WMAQ KMOX
KOIL KSCJ KMBC WISN WCCO KFH
WWNC WTAR WDBJ WBRC WDOD WREC
WLAC WDSU WLAP WRLD KFJF KLZ
KDYL KHJ KFRC KOIN KVI KFPY

8:00-8:30 The Yeast Foamers
WJZ WBZ WBZA WHAM KDKA KYW
KWK WLW WREN KSTP WEBC KFAB

8:30-9:00 Forty Fathom Trawlers
WABC WEAN WNAC WCAU WCAO WMAL
WHP WJAS WLBW WFBL WHEC WKBW
WADC WHK WKRC WGHP WFBM WMAQ
KMOX WGL WSPD

8:30-9:00 Mobiloil Concert
WEAF WEEI WJAR WTAG WCSH WLIT
WRC WGR WCAE WWJ WSAI
WOC WOW WFJC WTAM KOA KVOO
WFAA KPRC WOAI WKY KSL WTIC
WGY WGN KSTP WEBC WTMJ

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

9:00-9:30 Van Heusen Program
WABC WEAN WNAC WCAU WCAO WMAL
WJAS WLBW WFBL WMAK WADC WHK
WKRC WGHP WOWO WMAQ KMOX KOIL
KMBC WSPD

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

9:30-10:00 Cuckoo
WJZ KDKA WCKY WIBO WREN KWK
WBZ WBZA WHAM

9:30-10:00 La Palina Smoker
WABC WEAN WNAC WCAU WCAO WMAL
WJAS WLBW WFBL WMAK WADC WHK
WKRC WGHP WOWO WMAQ KMOX KOIL
KMBC WISN WCCO WSPD WREC

9:30-10:30 Palmolive Hour
WEAF WEEI WTIC WJAR WTAG WCSH
WLIT WRC WGY WGR WCAE WTAM
WWJ WSAI WGN KSD WOC WOW
WDAF WSMB KSTP WHAS WSM WMC
WSB WBT WJAX KVOO KPRC WOAI
KOA KSL KGO KFI KGW KOMO
KHQ WFAA

10:00-10:30 Philco Hour
WABC WEAN WNAC WCAU WCAO WMAL
WJAS WLBW WFBL WHEC WMAK CFRB
CKAC WADC WHK WKRC WGHP WOWO
WFBM WMAQ KMOX KOIL KMBC WISN
WCCO WIBW WSPD WWNC WTAR WDBJ
WBRC WDOD WREC WLAC WDSU KRLD
KLRA KFJF KTSA KLZ KDYL KHJ
KFRC KOL KOIN KFPY

10:30-11:00 Vincent Lopez and His Orchestra
WJZ WHAM WREN KDKA WLW KWK
WBZ WBZA

10:30-11:00 Coca Cola Topnotchers
WEAF WEEI WTIC WJAR WTAG WCSH
WLIT WRC WGR WCAE WWJ WSAI
KYW KSD WOC KSTP WEBC WRVA
WBT WJAX WIOD WSM WMC WSB
WAPI WSMB WKY KTHS KPRC WOAI
KOA KSL KGO KECA KGW KHQ
KOMO WJDX WGY WDAF CKGW WPTF
WVOC CKGW

10:30-11:00 Grand Opera Concert
WABC WEAN WNAC WCAU WMAL WJAS
WLBW WFBL WMAK WADC WHK WKRC
WGHP WFBM KMOX KOIL KMBC WISN
WIBW WBCM WSPD WMT WWNC WDBJ
WBRC WFIW WDOD WREC WLAC KLRA
KLZ KDYL KFRC KFPY

11:00-11:30 Mystery House
WEAF WJAR WCAE WTAG WRC WGR
WWJ KSD WOC WDAF WEBC WJDX

11:00-12:00 Hank Simmons' Show Boat
WABC WEAN WNAC WCAU WCAO WMAL
WLBW WFBL WMAK WADC WHK WKRC
WGHP WKBW WMAQ KOIL KMBC WISN
WCCO WIBW KFH WBCM WSPD WMT
WWNC WDBJ WBRC WFIW WDOD WREC
KLRA KLZ KDYL KHJ KFRC KFPY

Thursday

9:00-10:00 U.S. Marine Band
WJZ WBZ WBZA WREN WRC KWK
KSTP

11:00-11:15 Boni and Ami
WEAF WJAR WTAG WCSH WLIT WRC
WGY WGR WCAE WTAM WWJ WSAI
KYW KSD WOC WDAF WTMJ KSTP
WEBC WRVA WBT WJAX WIOD WHAS
WSM WMC WSB WAPI WSMB KVOO
WKY KTHS KPRC WOAI CKGW WJDX
KOA KSL KPO KGO KFI KOMO
KGW KHO

11:30-11:45 Du Barry Beauty Talk
WABC WEAN WNAC WCAU WCAO WMAL
WJAS WLBW WFBL WKBW WADC WHK

WKRC WGHP WAIU WOWO WBBM KOIL
 KMBC WISN WSPD

4:00-5:00 U.S. Army Band
 WJZ WJR WCFL WSM KWK WREN
 WLW KOA KGO KOMO WRC WBZ
 WBZA KSTP WSM KGW KOMO

5:00-5:30 Radio-Keith-Orpheum Program
 WEAJ WEEI WTIC WJAR WCSH WLIT
 WRC WCAE WFJC WSAI KSD WOC
 WOW WTAG WGY WWJ WDAF WGR
 WTAM KYW

5:15-6:00 Governor Clinton Hotel Orchestra
 WABC WFAN WMAL WHP WFBL WKBW
 WGHP WKBW WOWO KMOX KMBC WISN
 WCCO WBCM WSPD WMT WWNC WDOD
 WREC KLRA KLZ

5:30-5:45 The Toddy Party
 WEAJ WEEI WTIC WJAR WTAG WCSH
 WLIT WRC WGY WGR WCAE WFJC
 WWJ WSAI KYW KSD WOC WDAF

6:00-6:30 Hotel Shelton Orchestra
 WABC WHP WLBW WFBL WKBW WADC
 WHK WOWO WBBM KMBC KFH WBCM
 WMT WWNC WDBJ WBRC WFIW WDOD
 WREC KLRA KLZ KVI KFPY

7:00-7:30 Mid-Week Federation Hymn Sing
 WEAJ WCSH WMC WJAR WIBO WJDX
 WWJ WHAS

7:30-8:00 In the Nation's Capital
 WEAJ WSMB WOIA WEBC WMC WJAR
 WTAG WRC WSAI WIBO WJDX KOA
 KPO KGO KGW KECA KOMO KHQ
 WJAX WBT KPRC

7:30-8:00 Ward's Tip Top Club
 WABC WEAN WGNAC WCAU WCAO WJAS
 WFBL WHK WGHP WKBW WMAQ KMOX

8:00-8:15 The Vagabonds
 WEAN WNAC WCAO WMAL WLBW WKBW
 WKRC WKBW WFBM WISN WIBW KFH
 WBCM WMT WDBJ WFIW WDOD WREC
 KLRA KLZ KHJ KFRC KVI KFPY

8:00-9:00 Fleischmann Hour
 WEAJ WEEI WTAG WJAR WCSH WFI
 WRC WGY WGR WCAE WFJC WHO
 WOW WDAF WWJ WTMJ WBT WJAX
 WIOD WJDX WHAS WMC WSB WSMB
 WKY WSAI KPRC KOA WEBC WRVA
 KSL KOMO WOAI WSM KGO KHQ
 WBAP KTHS WAPI KECA WIBO KSD
 CKGW WTAM KGW KSTP WPTF

8:15-8:30 Columbia Educational Features
 WABC WEAN WNAC WFAN WCAO WMAL
 WJAS WLBW WFBL WKBW WHK WKRC
 WGHP WKBW WOWO WFBM KOIL WISN
 WCCO WIBW KFH WBCM WMT WWNC
 WDBJ WFIW WDOD WREC WLAC KLRA
 KLZ KDYL KHJ KFRC KFPY

8:30-9:00 Douglas Shoemakers
 WABC WEAN WNAC WFAN WCAO WMAL
 WJAS WLBW WFBL WKBW WADC WHK
 WKRC WGHP WOWO WMAQ KMOX KOIL
 KMBC WIBW WSPD WWNC WTAR WDBJ
 WBRC WDOD WREC WLAC WDSU KLRA
 WRR KFJF

8:30-9:00 Champion Sparkers
 WJZ WBZ WBZA WBAL WHAM KDKA
 WLW WLS KWK WREN WJR KFAB

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

9:00-9:30 True Detective Mysteries
 WABC WEAN WNAC WCAU WCAO WMAL
 WJAS WLBW WFBL WHEC WKBW WADC
 WHK WKRC WGHP WOWO WFBM WBBM
 KMOX KOIL KMBC WISN WCCO WSPD

9:00-9:30 Seiberling Singers
 WEAJ WEEI WJAR WTAG WCSH WFI
 WRC WGY WGR WCAE WTAM WWJ
 WSAI KYW KSD WHO WOW WDAF
 KSTP WTMJ WHAS WIOD WSM WMC
 WSB WBT WJAX KOA KGO KFI
 KGW KOMO KHQ WSMB WAPI WOAI
 WBAP KPRC WKY WRVA

9:30-10:00 De Voe Redskins
 WABC WEAN WNAC WCAU WCAO WMAL
 WJAS WLBW WFBL WKBW WADC WHK
 WKRC WGHP WOWO WBBM KMOX KOIL
 KMBC WSPD

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

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

10:00-10:30 Voice of Columbia
 WABC WEAN WNAC WFAN WCAO WMAL
 WHP WLBW WFBL WKBW WADC WHK
 WKRC WGHP WKBW KMOX KOIL KMBC
 WISN WIBW WBCM WSPD WMT WWNC
 WDBJ WDOD WLAC KLRA KLZ KDYL

10:00-11:00 RCA Victor Hour
 WEAJ WEEI WJAR WTAG WCSH WFI
 WRC WGY WGR WCAE WFJC WWJ
 WSAI KSD WOW WEBC WRVA WHO
 WBT WKY KPRC WOAI KOA KSL
 WTMJ WBAP WJAX WIOD WHAS WSM
 WMC WSB WSMB KYW WDAF KVOO
 KTHS WTAM KSTP KGO KGW KFI
 KOMO KHQ WJDX

10:00-11:00 Atwater Kent Mid-Week Program
 WJZ WBZ WBZA WBAL WHAM KDKA
 WJR KWK WREN WGN WCKY

10:30-11:00 Columbia Educational Features
 WABC WEAN WNAC WFAN WCAO WMAL
 WHP WLBW WFBL WKBW WADC WHK
 WKRC WKBW WOWO KMOX KOIL KMBC
 WISN WIBW KFH WBCM WSPD WMT
 WWNC WDBJ WBRC WFIW WDOD WREC
 WLAC KLRA KLZ KDYL KFRC KFPY

11:00-11:30 Dream Boat
 WABC WEAN WFAN WCAO WMAL WHP
 WLBW WFBL WKBW WKRC WGHP WFBM
 KMBC WISN WIBW WGL KFH WBCM
 WSPD WMT WWNC WDBJ WBRC WFIW
 WDOD WREC KLRA KLZ KDYL KFPY

11:00-11:30 Conoco Adventures
 WLS KWK WDAF WREN WOW WHO
 WLW WMC KVOO WKY WFAA KTHS
 KPRC WOAI KOA KSL WHAS

11:00-12:00 National Grand Opera
 WEAJ WFI WRC WGR WWJ KSD
 WRVA CKGW WBT WTAM WDAF

11:30-12:00 Will Osborne and His Orchestra
 WABC WEAN WFAN WCAO WMAL WHP
 WLBW WFBL WKBW WGHP WFBM KOIL
 KMBC WISN WCCO WGL KFH WBCM
 WSPD WMT WWNC WDBJ WBRC WFIW
 WDOD WREC KLRA KLZ KDYL KFPY

Friday

10:45-11:00 Columbia Salon Orchestra
 WABC WEAN WNAC WCAU WCAO WMAL
 WLBW WFBL WMAK WADC WHK WGHP
 WOWO KMOX KOIL KMBC WBCM WSPD
 WWNC WDBJ WFIW WDOD WLAC KLRA
 KLZ

11:00-12:00 NBC Music Appreciation Hour
 WJZ WEAJ WBZ WBZA WBAL WHAM
 KDKA WJR WLW KWK WREN KFAB
 WFJC KSL WKY WIOD WSMB WAPI
 WPTF KTHS WEEI WJAR WTAG WCSH
 WLIT WRC WGY WGR WCAE WTAM
 WWJ WGN KSD WHO WOW WDAF
 KSTP WTMJ KOA WHAS WSM WMC
 WSB WBT KVOO WFAA KPRC WOAI
 WJAX WRVA WEBC WJDX KFKX WSAI

3:00-4:00 U.S. Marine Symphony Orchestra
 WEAJ WTAM WWJ KSD WHO WOW
 KYW WRC WCSH

4:00-4:30 Light Opera Gems
 WABC WEAN WNAC WLBZ WCAU WMAL
 WHP WFBL WMAK WADC WGHP WFBM

WBBM	KOIL	KMBC	WISN	WCCO	WIBW	WOAI	KTHS	WKY	WSMB	KOA	KSL
WGL	WBCM	WSPD	WMT	WWNC	WDBJ	KGO	KFI	KGW	KOMO	KHQ	WMC
WBRC	WDOD	WREC	WLAC	KLRA	KLZ	WBAP	WLW				
KDYL	KFRC	KVI	KFPY								
4:30-5:00 Club Plaza Orchestra						10:00-10:30 At the Sign of the Green and White					
WABC	WNAC	WCAU	WMAL	WHP	WFBL	WABC	WEAN	WNAC	WCAU	WCAO	WMAL
WMAK	WADC	WKRC	WGHP	KMOX	KOIL	WHP	WJAS	WLBW	WFBL	WMAK	WADC
KMBC	WISN	WCCO	WIBW	WGL	WBCM	WKRC	WGHP	WOWO	WMAQ	KMOX	KOIL
WSPD	WMT	WWNC	WDBJ	WBRC	WDOD	WISN	WCCO	WIBW	KFH	WSPD	WWNC
WREC	WLAC	KLRA	KLZ	KDYL	KVI	WTAR	WGST	WBRC	WREC	WLAC	WDSU
5:15-5:45 Governor Clinton Hotel Orchestra						KLRA	WRR	KFFJ	KLZ	KDYL	KHJ
WABC	WFAN	WCAO	WMAL	WHP	WJAS	KFRC	KOIN	KFPY	WQAM	WDBO	WTOC
WFBL	WMAK	WKRC	WGHP	WKBN	KMOX	WDAE	KTRH	KOL			
KMBC	WISN	WCCO	WGL	WBCM	WMT	10:30-11:00 Smith Balley and His Orchestra					
WWNC	WDOD	WREC	KLRA	KLZ		WJZ	WHAM	KDKA	KWK	WREN	WJR
6:00-6:15 Musical Foursome						KGO	KHQ				
WABC	WCAU	WHP	WLBW	WFBL	WMAK	10:30-11:00 Curtis Institute of Music					
WADC	WKBN	KMBC	WBCM	WMT	WWNC	WABC	WEAN	WNAC	WCAU	WCAO	WMAL
WDBJ	WBRC	WFIW	WDOD	WREC	KLRA	WJAS	WLBW	WFBL	WMAK	WADC	WHK
KLZ	KFRC	KVI	KFPY			WKRC	WGHP	KMOX	KOIL	KMBC	WISN
6:30-7:00 Don Bigelow and His Orchestra						WIBW	WBCM	WSPD	WMT	WWNC	WDBJ
WCAO	WHP	WJAS	WLBW	WFBL	WMAK	WBRC	WFIW	WDOD	WREC	WLAC	KLRA
WKRC	WFBM	KMBC	WISN	WGL	KFH	KLZ	KDYL	KFPY			
WBCM	WWNC	WDBJ	WBRC	WFIW	WDOD	11:00-11:15 Hamilton-Brown Sketch Book					
KLRA	KLZ	KFRC	KVI	KFPY		WJZ	WBZ	WBZA	WHAM	KDKA	WJR
7:00-7:30 Roy Ingraham's Paramount Orchestra						WIBO	KWK	WREN	KOA	KSL	KGO
WABC	WLBZ	WMAL	WHP	WJAS	WLBW	KECA	KGW	KHQ	KOMO	KFAB	WCKY
WMAK	WGHP	WFBM	KOIL	WISN	WCCO	WKY	WVOO	WBAP	WHAS	WSM	WJDX
WGL	WBCM	WMT	WWNC	WDBJ	WBRC	WSMB	KTHS	WMC	WSB		
WDOD	KLRA	KLZ	KHJ	KFRC	KVI	11:00-11:30 Will Osborne and His Orchestra					
7:30-8:00 Raybestos Twins						WABC	WEAN	WCAO	WLBW	WFBL	WMAK
WEAF	WTIC	WCSH	WLIT	KOA	WRC	WADC	WKRC	WGHP	KOIL	KMBC	WISN
WCAE	WWJ	WSAI	WIBO	KSD	WOW	WIBW	WGL	KFPY	KFH	WBCM	WSPD
WDAF	CKGW	WGR	WGY	WSM	WMC	WMT	WWNC	WDBJ	WBRC	WFIW	WDOD
WSB	WAPI	WSMB	WHAS	WJDX		WREC	KLRA	KLZ	KDYL		
8:00-9:00 Cities Service Concert Orchestra						11:00-12:00 Vincent Lopez and His Orchestra					
WEAF	WEEI	WTIC	WLIT	WRC	WGR	WEAF	CKGW	WSM	WGY	WFJC	WWJ
WCAE	WTAM	WJAR	WCSH	KYW	KSD	WOW	WDAF				
WOW	WDAF	KSTP	WTMJ	WKY	WWJ	11:30-12:00 Bert Lown and His Orchestra					
WOC	KOA	WFAA	WSAI	WEBC	KOMO	WABC	WEAN	WCAO	WLBW	WFBL	WHK
KGO	KGW	KHQ	WOAI	KPRC	KSL	WGHP	KOIL	KMBC	WISN	WIBW	KFH
WTAG	CKGW	KECA				WBCM	WSPD	WMT	WWNC	WDBJ	WBRC
8:30-9:00 U.S. Army Band Concert						WFIW	WDOD	WREC	KLRA	KLZ	KDYL
WABC	WEAN	WNAC	WCAO	WMAL	WJAS	Saturday					
WLBW	WFBL	WMAK	WADC	WHK	WKRC	10:00-10:30 Saturday Syncopators					
WGHP	WFBM	WMAQ	KMOX	KOIL	KMBC	WABC	WEAN	WNAC	WLBZ	WCAU	WCAO
WIBW	KFH	WBCM	WSPD	WDBJ	WDOD	WMAL	WHP	WJAS	WLBW	WFBL	WKBW
WLAC	KLRA	KLZ	KFPY			WHK	WGHP	WFBM	WBBM	KMOX	KOIL
8:45-9:00 Natural Bridge Program						KMBC	WCCO	WGL	WBCM	WSPD	WWNC
WJZ	WBZ	WBZA	WHAM	KDKA	WLW	WFIW	WDOD	WLAC	KLRA	KDYL	
KWK	WRVA	WJAX	WIOD	KFAB	WIBO	10:30-11:00 Columbia Grenadiers					
WBT	WREN	WPTF				WABC	WEAN	WNAC	WLBZ	WCAU	WCAO
9:00-9:30 Clicquot Club Eskimos						WMAL	WHP	WJAS	WLBW	WFBL	WKBW
WEAF	WEEI	WTIC	WJAR	WTAG	WCSH	WHK	WFBM	WBBM	KMOX	KOIL	KMBC
WLIT	WRC	WGY	WOW	WCAE	WSAI	WCCO	WGL	KFH	WBCM	WSPD	WWNC
WIBO	KSD	WWJ	WGR	WDAF	WOC	WFIW	WDOD	WLAC	KLRA		
9:00-9:30 Interwoven Pair						11:00 12:00 U.S. Army Band Concert					
WJZ	WBZ	WBZA	WHAM	KDKA	WMC	WABC	WEAN	WNAC	WLBZ	WCAU	WCAO
WKY	WREN	KPRC	WOAI	KOA	WHAS	WMAL	WHP	WJAS	WFBL	WKBW	WKBN
WSM	WSB	WBT	WJAX	KWK	WRVA	WFBM	KOIL	KMBC	WIBW	WGL	WBCM
KSL	KGO	KOMO	KHQ	KGW	WAPI	WSPD	WMT	WWNC	WDBJ	WFIW	WDOD
WSMB	WIOD	WLW	WFAA	WJR	CKGW	WREC	KLRA	KLZ	KHJ	KFRC	KVI
KSTP	WEBC	KYW				12:00-12:30 Adventures of Helen and Mary					
9:00-10:00 True Story Hour						WABC	WEAN	WNAC	WFAAN	WMAL	WHP
WABC	WEAN	WNAC	WCAU	WCAO	WMAL	WJAS	WFBL	WKBW	WADC	WGHP	WKBN
WJAS	WLBW	WFBL	WHEC	WMAK	WADC	WFBM	KMBC	WCCO	WIBW	WBCM	WMT
WHK	WKRC	WGHP	WOWO	WMAQ	KMOX	WWNC	WBRC	WFIW	WDOD	WREC	KLRA
KOIL	KMBC	WISN	WCCO	KFH	WSPD	KLZ	KHJ	KFRC	KFPY		
KRLD	KLRA	KFJF	KTSA	KLZ	KDYL	2:00-2:30 Ann Leaf at the Organ					
KHJ	KFRC	KOIN	KVI	KFPY		WABC	WCAU	WCAO	WMAL	WHP	WJAS
9:30-10:00 Old Company's Songalogue						WFBL	WKBW	WADC	WGHP	WKBN	WOWO
WEAF	WEEI	WTIC	WJAR	WCSH	WLIT	WBBM	KMOX	KOIL	WCCO	WBCM	WSPD
WRC	WGY					WMT	WWNC	WDBJ	WBRC	WDOD	WREC
9:30-10:00 Armour Program						WLAC	KLRA	KLZ	KDYL	KHJ	KFPY
WJZ	WBZ	WBZA	WJR	KYW	WREN	2:30-3:00 Dominion Male Quartet					
KSTP	WEBC	WRVA	WMC	WSB	WSMB	WABC	WEAN	WNAC	WCAU	WCAO	WMAL
KPRC	WOAI	KOA	KSL	WSM	WKY	WHP	WJAS	WFBL	WKBW	WADC	WHK
WBT	WHAS	KGO	KFI	KGW	KOMO	WKRC	WGHP	WKBN	WOWO	WBBM	KMOX
KHQ	WJAX	WJDX	WIOD	KDKA	WTMJ	KOIL	WCCO	WIBW	KFH	WBCM	WSPD
WAPI	WHAM	KWK				WMT	WWNC	WDBJ	WBRC	WDOD	WREC
10:00-10:30 Armstrong Quakers						WLAC	KLRA	KLZ	KDYL	KHJ	KVI
WJZ	WBZ	WBZA	KDKA	KYW	KWK	10:00-10:30 Armstrong Quakers					
WREN	KPRC	WHAN	WJR	KSTP	WTMJ	WJZ	WBZ	WBZA	KDKA	KYW	KWK
WEBC	WHAS	WSM	WSB	WBT	KVOO	WREN	KPRC	WHAN	WJR	KSTP	WTMJ

4:00-4:30 The Aztecs
 WABC WEAN WNAC WLBZ WCAU WCAO
 WMAL WHP WFBL WKBW WADC WHK
 WGHP WKBN WBBM KOIL KMBC WCCO
 WIBW WBCM WSPD WMT WWNC WDBJ
 WBRC WDOD WREC WLAC KLRA KLZ
 KDYL KHJ KFRK KVI KFPY

4:30-5:00 Yonkers Madrigal Society
 WJZ KDKA WLW KYW KWK KSTP
 WFAA

4:30-5:00 Club Plaza Orchestra
 WABC WEAN WCAU WCAO WMAL WHP
 WFBL WKBW WADC WKRC WGHP KMOX
 KOIL KMBC WCCO WIBW WBCM WSPD
 WMT WWNC WDBJ WBRC WDOD WREC
 WLAC KLRA KLZ KDYL KFRK KVI

5:00-5:30 French Trio
 WABC WFAN WCAO WMAL WHP WFBL
 WKBW WGHP WOWO WMAQ KMOX KMBC
 WCCO WBCM WSPD WMT WWNC WDOD
 WREC KLRA KLZ KHJ KFRK KVI KFPY

5:30-5:45 Quiet Harmonies
 WABC WFAN WCAO WMAL WHP WJAS
 WFBL WKBW WKRC WGHP WKBN WOWO
 WMAQ KMBC WCCO WIBW WBCM WSPD
 WMT WWNC WDOD WREC KLRA KLZ
 KHJ KFRK KVI KFPY

5:45-6:00 Skinner Concert
 WEAFF WLIT WRC WGY WCAE WSAI
 KYW KSD WEEI

6:00-6:30 Hotel Shelton Orchestra
 WABC WHP WLBW WFBL WKBW WADC
 WFBM WBBM KMBC WIBW KFH WBCM
 WWNC WDBJ WBRC WFIW WDOD WREC
 KLRA KLZ KHJ KFRK KVI KFPY

6:30-7:00 "Ted Husings's Sportslants"
 WABC WHP WJAS WLBW WKBW WKRC
 WKBN WFBM KOIL KMBC KFH WBCM
 WMT WWNC WDBJ WBRC WFIW WDOD
 KLRA KLZ KHJ KVI KFPY

7:00-7:15 Floyd Williams
 WEAFF WEEI WJAR WCSH WGY WWJ
 WOW WSM WMC WSB WSMB

7:00-8:00 Bernhard Levitow's Commodore Ensemble
 WABC WLBZ WCAO WMAL WHP WJAS
 WLBW WKBW WKBN WFBM WISN KFH
 WBCM WMT WWNC WDBJ WBRC WDOD
 KLRA KLZ KHJ KFRK KVI KFPY

7:15-7:30 The Jameses
 WEAFF WTAG WGY WWJ WOW CKGW
 WJAR

7:15-7:30 RCA Theremin Music
 WJZ WREN KWK KFAB KSTP WEBC
 WPTF WBT WSM WIOD WHAS WSB
 WSMB KVOO KPRC WOAI KOA KSL
 WMC KTHS

7:30-8:00 Phil Spitalny's Music
 WEAFF WJAR WCSH WGY WWJ WHO
 WRVA WPTF WTAG KSTP

7:30-8:00 The Fuller Man
 WJZ WBZ WBZA WBAL WHAM KDKA
 WLW KYW CKGW WREN KFAB KWK
 KOA KSL KGO KECA KGW KHQ

8:00-8:15 Dixies Circus
 WJZ WBZ WBZA KDKA WLW KYW

8:00-8:15 Columbia Educational Features
 WABC WEAN WNAC WLBZ WCAU WCAO
 WMAL WJAS WLBW WFBL WKBW WADC
 WKRC WKBW WFBM KOIL KMBC WISN
 WCCO WBW KFH WBCM WSPD WMT
 WWNC WDBJ WDOD WREC WLAC KLRA
 KLZ KDYL KHJ KFRK KVI KFPY

8:00-8:30 The New Business World
 WEAFF WJAR WTAG WFI WCSH WRC
 WGY WGR WWJ WSAI WOW WDAF
 WRVA WPTF WBT WMC WSMB KOA
 WCAE WOAI KTHS WFJC KSD WHO
 WJAX KPRC KGO KGW KHQ KOMO
 KECA KSL WCAE KSTP

8:15-8:30 Babson Finance Period
 WABC WEAN WNAC WCAU WCAO WMAL
 WJAS WLBW WFBL WKBW WADC WHK

WKRC WGHP WOWO WMAQ KMOX KOIL
 KMBC WCCO WSPD
8:30-9:00 Launderland Lyrics
 WEAFF WEEI WJAR WTAG WCSH WRC
 WGY WGR WCAE WWJ WSAI KSD
 WHO WOW WDAF KSTP WEBC WRVA
 WBT WJAX WIOD WHAS WSM WMC
 WSB WAPI WSMB WKY KTHS WBAP
 KPRC WOAI KOA KSL WSBT WIBO

8:30-9:00 The Silver Flute
 WJZ WHAM WJR KWK CKGW KOA
 KDKA

8:30-9:00 Dixie Echoes
 WABC WEAN WLBZ WFAN WCAO WMAL
 WJAS WLBW WFBL WKBW WADC WKRC
 WGHP WKBN WFBM KMOX KOIL KMBC
 WISN WCCO WIBW WBCM WSPD WMT
 WWNC WDBJ WBRC WDOD WREC WLAC
 KLRA KLZ KHJ KVI KFPY

9:00-9:30 Nit Wit Hour
 WABC WEAN WNAC WLBZ WCAU WCAO
 WMAL WHP WJAS WLBW WFBL WKBW
 WADC WHK WKRC WGHP WKBN WOWO
 WFBM WMAQ KMOX KOIL KMBC WISN
 WCCO WIBW KFH WBCM WSPD WMT
 WWNC WDBJ WBRC WFIW WDOD WREC
 WLAC KLRA KLZ KDYL KHJ KFRK

9:00-10:00 General Electric Hour
 WEAFF WEEI WJAR WTAG WCSH WFI
 WRC WGY WGR WCAE WTAM WWJ
 KSD WHO WOW WDAF WTMJ WEBC
 WJAX WHAS WSB WBT KPRC WOAI
 WRVA WSAI KSTP WAPI WKY KOA
 KGW KOMO KHQ KSL KGO KFI
 WSMB WIBO WMC WFAA

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

9:30-10:00 Around the Samovar
 WABC WEAN WNAC WLBZ WCAO WMAL
 WHP WJAS WLBW WFBL WKBW WADC
 WHK WKRC WGHP WKBN WOWO WFBM
 WMAQ KMOX KOIL KMBC WISN WIBW
 KFH WBCM WMT WWNC WDBJ WBRC
 WDOD WREC WLAC KLRA KLZ KDYL
 KHJ KFPY

10:00-11:00 B. A. Rolfe and His Orchestra
 WEAFF WEEI WJAR WTAG WCSH WFI
 WRC WGY WGR WCAE WWJ WGN
 KSD WHO WOW WDAF WIOD KSTP
 WTMJ WSMB WJAX WHAS WSB WBT
 KPRC WMC WOAI WKY WAPI WSAI
 WFJC KOA KGO KFI KSL KGW
 KOMO KHQ WEBC WJDX WRVA WFAA

10:00-11:00 Paramount Publix Hour
 WABC WEAN WNAC WLBZ WCAU WCAO
 WMAL WHP WJAS WLBW WFBL WHEC
 WKBW CFRB WADC WHK WKRC WGHP
 WCAH WKBN WOWO WFBM WBBM KMOX
 KOIL KSCJ KMBC WISN WCCO WIBW
 KFH WBCM WSPD WMT WWNC WTR
 WDBJ WBRC WFIW WDOD WREC WLAC
 WDSU KRLD KLRA KFJF KTSK KLZ
 KDYL KHJ KFRK KOL KNX KOIN
 KFPY

11:00-11:30 Roy Ingraham's Paramount Orchestra
 WABC WEAN WLBZ WCAU WCAO WMAL
 WHP WLBW WFBL WKBW WKRC WGHP
 KOIL KMBC WISN WIBW WBCM WMT
 WWNC WDBJ WBRC WFIW WDOD WREC
 KLRA KLZ KDYL KFPY WADC WHK
 KNX

11:30-12:00 Guy Lombardo and His Royal Canadians
 WABC WCAU WCAO WMAL WHP WLBW
 WFBL WKBW WKRC WGHP KOIL KMBC
 WISN WIBW WBCM WMT WWNC WBRC
 WFIW WDOD WREC KLRA KLZ KDYL
 KFPY

12:00-1:00 Rudy Vallee and His Orchestra
 WEAFF WRC WTAM KSD WHO KSTP
 WJAX

IN STATUTE MILES

Mechville, Tenn.	New Orleans, La.	New York, N. Y.	Norfolk, Va.	Oklahoma, Okla.	Omaha, Nebr.	Philadelphia, Pa.	Phoenix, Ariz.	Pittsburgh, Pa.	Portland, Me.	Portland, Oreg.	Richmond, Va.	St. Louis, Mo.	Salt Lake City, Utah	San Francisco, Calif.	Schenectady, N. Y.	Seattle, Wash.	Shreveport, La.	Spokane, Wash.	Springfield, Mass.	Vermillion, S. Dak.	Washington, D.C.
117 1030	1810 1696	518 718 1748	330 1498	2015 1107 1628	938 463 893 1823 1178	764 1028 1889 742 1648	Albuquerque, N. Mex.														
218 427	747 507 753 815 663	1592 520 1022 2172 470	467 1580 2133 840 2180	548 1960 863 917 542	Atlanta, Ga.																
597 1001	170 167 1173 1026 90	2002 194 446 2367 128	731 1858 2451 278 2341	1064 2110 282 1083 33	Baltimore, Md.																
631 1713	2153 2137 1138 1044 2113	733 1863 2282 349 2060	1389 292 516 2120 405	1433 290 2196 973 2045	Boise, Idaho																
41 1359	188 467 1490 1280 268	2295 478 100 2553 471	1036 2099 2696 150 2508	1410 2279 79 1314 392	Boston, Mass.																
952 536	1695 1465 659 1061 1614	1023 1424 1961 1944 1428	975 1317 1675 1770 2015	510 1852 1805 1161 1493	Brownsville, Tex.																
626 1087	291 435 1117 883 278	1904 178 438 2167 375	662 1701 2298 249 2130	1080 1900 325 916 290	Buffalo, N. Y.																
394 831	711 696 689 432 664	1451 411 892 1765 618	259 1260 1855 702 1743	725 1514 774 479 594	Chicago, Ill.																
239 708	568 474 755 620 501	1578 258 802 1987 399	308 1450 2037 605 1974	688 1746 659 694 403	Cincinnati, Ohio																
456 922	404 429 946 738 343	1745 115 603 2063 353	490 1567 2162 408 2035	904 1804 478 785 303	Cleveland, Ohio																
018 1079	1628 1562 503 485 1575	585 1320 1803 985 1488	793 372 946 1618 1020	799 827 1692 468 1490	Denver, Colo.																
523 825	1023 983 469 122 970	1154 718 1197 1479 905	270 952 1547 1012 1470	624 1243 1085 187 895	Des Moines, Iowa																
468 938	483 522 905 666 444	1685 208 657 1975 445	452 1490 2087 467 1945	891 1715 540 705 397	Detroit, Mich.																
169 986	1902 1755 578 875 1834	347 1592 2126 1286 1695	1033 689 993 1930 1373	752 1238 1990 920 1726	El Paso, Tex.																
900 1221	1213 1258 786 390 1186	1225 952 1313 1248 1180	658 865 1447 1157 1206	1002 976 1240 284 1141	Fargo, N. Dak.																
643 470	1398 1226 188 590 1324	858 1097 1642 1612 1170	568 977 1454 1445 1658	209 1470 1495 689 1210	Fort Worth, Tex.																
666 288	1415 1195 456 828 1335	1065 1140 1678 1885 1154	697 1249 1693 1487 1938	233 1753 1524 938 1214	Galveston, Tex.																
697 870	1275 1216 357 135 1222	901 967 1454 1271 1142	455 708 1297 1267 1288	615 1061 1340 167 1139	Hastings, Nebr.																
370 358	1125 955 260 490 1051	1094 825 1371 1733 897	325 1116 1648 1175 1759	142 1552 1224 605 936	Hot Springs, Ark.																
760 1187	849 946 926 547 827	1550 630 924 1638 870	591 1242 1833 776 1588	1043 1360 860 510 813	Houghton, Mich.																
502 511	838 548 988 1098 758	1800 703 1113 2442 953	755 1840 2375 960 2450	733 2239 957 1203 647	Jacksonville, Fla.																
472 678	1097 1009 293 165 1037	1045 784 1300 1397 937	238 922 1500 1107 1505	326 1286 1173 280 943	Kansas City, Mo.																
777 1675	2446 2352 1182 1312 2388	357 2135 2631 825 2283	1585 577 345 2445 956	1420 939 2515 1291 2295	Los Angeles, Calif.																
153 823	650 528 675 579 580	1518 345 892 1953 457	242 1400 1983 695 1945	598 1720 745 663 473	Louisville, Ky.																
195 358	953 778 422 529 878	1264 660 1205 1852 722	242 1250 1800 1010 1867	279 1652 1055 642 763	Memphis, Tenn.																
821 681	1095 802 1233 1402 1023	1998 1014 1357 2716 831	1067 2098 2603 1229 2740	950 2528 1210 1510 927	Miami, Fla.																
695 1050	1019 1047 692 291 985	1279 745 1145 1435 968	464 988 1585 975 1403	859 1173 1056 238 936	Minneapolis, Minn.																
582 1733	2030 2045 1162 978 1997	932 1754 1133 430 1967	1331 435 762 1978 395	1457 170 2060 887 1940	Missoula, Mont.																
470	758 586 602 604 683	1445 472 1015 1970 526	253 1390 1958 820 1973	470 1752 863 704 567	Nashville, Tenn.																
-	1173 932 575 845 1090	1318 923 1445 2063 899	599 1433 1923 1259 2098	280 1898 1287 960 968	New Orleans, La.																
-	293 1324 1144 83	2142 313 277 2455 287	873 1972 2568 142 2419	1230 2190 120 1189 204	New York, N. Y.																
-	-- 1186 1095 220	2027 316 565 2458 79	771 1925 2510 426 2440	1037 2211 411 1166 145	Norfolk, Va.																
-	-- 405 1256	843 1013 1550 1488 1122	456 862 1386 1354 1523	297 1324 1412 502 1150	Oklahoma, Okla.																
-	-- 1094	1032 837 1318 1373 1020	352 833 1425 1133 1372	617 1149 1205 115 1012	Omaha, Nebr.																
-	-- 2079	254 360 2419 205	808 1923 2518 205 2388	1153 2159 201 1143 122	Philadelphia, Pa.																
-	-- 1829	2345 1007 1960	1270 504 652 2152 1112	1067 1020 2220 1043 1980	Phoenix, Ariz.																
-	-- 545	2174 242	561 1670 2264 350 2145	939 1918 400 891 188	Pittsburgh, Pa.																
-	-- 2563	565	1094 2127 2725 197 2513	1484 2285 159 1345 480	Portland, Me.																
-	-- 2381	1723 636 536 2405 143	1783 295 2488 1293 2360	1783 295 2488 1293 2360	Portland, Oreg.																
-	-- 699	1850 2436 406 2362	925 2133 407 1089 96	925 2133 407 1089 96	Richmond, Va.																
-	-- 1158	1738 898 1722	466 1500 958 450 710	466 1500 958 450 710	St. Louis, Mo.																
-	-- 592	1950 697	1155 548 2027 785 1845	1155 548 2027 785 1845	Salt Lake City, Utah																
-	-- 2548	680	1655 730 2655 1383 2437	1655 730 2655 1383 2437	San Francisco, Calif.																
-	-- 2363	1290 2139 86 1165 313	1290 2139 86 1165 313	1290 2139 86 1165 313	Schenectady, N. Y.																
-	-- 1820	229 2445 1282 2335	1820 229 2445 1282 2335	1820 229 2445 1282 2335	Seattle, Wash.																
-	-- 1621	1333 726 1035	1621 1333 726 1035	1621 1333 726 1035	Shreveport, La.																
-	-- 2216	1055 2105	2216 1055 2105	2216 1055 2105	Spokane, Wash.																
-	-- 1242	321	1242 321	1242 321	Springfield, Mass.																
-	-- 1073	1073	1073	1073	Vermillion, S. Dak.																

before un-
after an eve-
g or two, we have
nks filled on every
e. We are now able to
our dials for any frequency
desire and consequently any
tion we may want whether we have
r received it before or not.

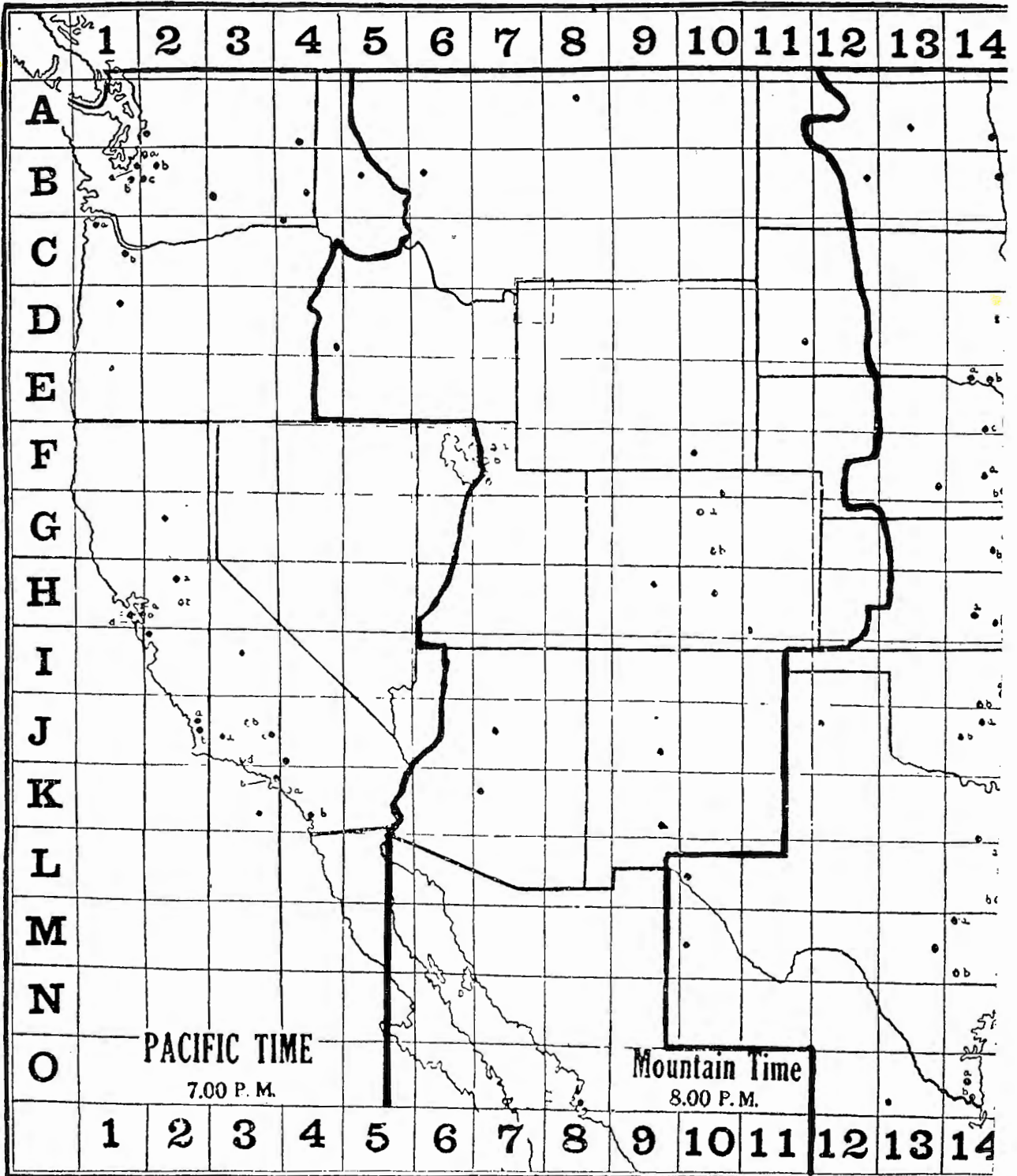
Our index now becomes of great value to us
identifying programs. Let us say that we hear
sic at 67-65 on our dials. We refer to our
ex by Frequencies and Dial Numbers and we
that we are in tune to 680 kilocycles. On this
e there are two stations: KPO at San Fran-
o and WPTF at Raleigh, N. C. Both of these
ions have 5000 watts in power. But knowing
ch is the closer to our set, we can tell almost
riably which station we are hearing. The
io Commission has had to give the same fre-
ncy in most cases to several stations but they
e distributed them geographically so they
id not interfere. When two stations in the
e locality have the same frequency, they are
ired to divide time. In this case of course it
ot possible to tell which one of the two sta-
s is broadcasting at the particular moment
hear it but we do know it is one or the other of
n.

The second column in the index by Frequencies,
we have seen, gives the power of the station as
asured 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 pro-
viding 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 Fre-
quencies 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 de-
sired. Take a pair of shears and cut along the
dotted line, as shown.



The Radex Press,
1367 East 6th Street,
Cleveland, Ohio

Enclosed find \$..... Enter
my subscription as shown.

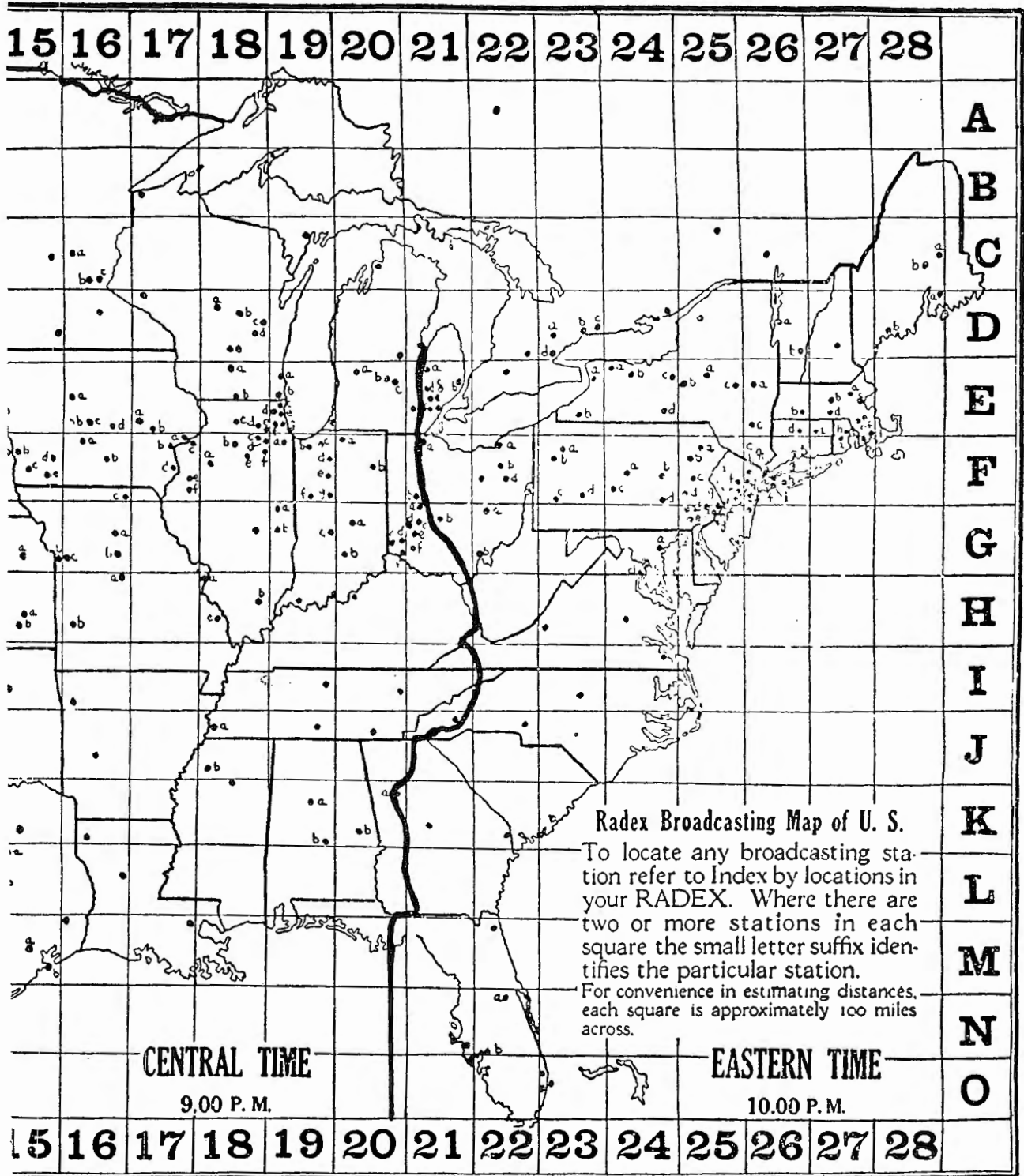
Write Name Plainly.....

Street and No.....

City and State.....

Leatherette cover.....	\$0.50
Next five issues.....	1.00
Next ten issues.....	1.75
Next twenty issues and cover free.....	3.50
Two yearly subscriptions and cover.....	3.50

Begin with No. 38. No. 39.



Radio is in a constant process of change. New developments and changes in stations, are taking place monthly. If you are one of those who like to be intelligent in your interests, you cannot afford to miss a single copy of this magazine.

RADEX is published monthly excepting in July and August. The price is 25c per copy. Subscription prices are shown in coupon on opposite page. Fill it out and mail it at once.

We can provide you with a beautiful leatherette cover stamped in gold to protect your RADEX from wear, give solid backing for making entries and add attractiveness to your set. Price, 50c each or we will give one free as shown on coupon.

INDEX BY FREQUENCIES AND DIAL NUMBERS

NOTICE OF COPYRIGHT

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KEY

Frequency in kilocycles. Wave lengths in meters. Second column shows night power in watts. Third 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.

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	---	Corvallis, Ore.
KSD	500	2N	St. Louis, Mo.
WGR	1000	N	Buffalo, N. Y.
WKRC	500	XC	Cincinnati, Ohio
XEY	105	---	Merida, Yucatan

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S. D. State College
Concordia Theological Seminary
Hoskins-Meyer
State Agricultural College
Pulitzer Publishing Co.
Radio Station WGR, Inc.
WKRC Incorporated
Partido Socialista del Sureste

560 kilocycles 535.4 meters

KFDM	500	X+
KLZ	1000	C
✓KTAB	1000	---
WEBW	500	3D
WFI	500	1N
WIBO	1000	3+N
WLIT	500	1N
WNOX	1000	X+
WPCC	500	3S
WQAM	1000	---

Beaumont, Texas
Denver, Colo.
Oakland, Cal.
Beloit, Wis.
Philadelphia, Pa.
Chicago, Ill.
Philadelphia, Pa.
Knoxville, Tenn.
Chicago, Ill.
Miami, Fla.

88+	89	87
-----	----	----

Magnolia Petroleum Co.
Reynolds Radio Co., Inc.
Associated Broadcasters
Beloit College
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	---	Hollywood, Cal.
KXA	500	---	Seattle, Wash.
WEAO	750	1	Columbus, Ohio
WKBN	500	1C	Youngstown, Ohio
WMAC	250	2	Cazenovia, N. Y.
WMCA	500	3	New York City
WNAX	1000	---	Yankton, S. D.
WNYC	500	3	New York City
WSYR	250	2	Syracuse, N. Y.
WWNC	1000	C	Asheville, N. C.

85	85+	84
----	-----	----

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.
CJCA	500	4	Edmonton, Alta.
CJSC	500	4	Toronto, Ont.
CKCL	500	3	Toronto, Ont.
CKNC	500	3	Toronto, Ont.
CKUA	500	4	Edmonton, Alta.
CNRE	500	4	Edmonton, Alta.
KGFX	200	D	Pierre, S. D.
KSAC	500	2+	Manhattan, Kans.
WIBW	500	2+C	Topeka, Kansas
WOBW	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 Edmonton Journal, Ltd.
The Evening Telegram
The Dominion Battery Co.
Canadian National Carbon Co., Ltd.
University of Alberta
Canadian National Railways
Dana McNeil
State Agricultural College
Topeka Broadcasting Assn., Inc.
Charleston Radio Broadcasting Co.
WSAZ, Inc.
Telegram Publishing Co.

INDEX BY FREQUENCIES AND DIAL NUMBERS

590 kilocycles

KHQ	1000	X+N
WCAJ	500	1
WEEI	1000	N
WEMC	1000	D
WOW	1000	IN
XFI	1000	---
-----	500	CP

508.2 meters

Spokane, Wash.
Lincoln, Nebr.
Boston, Mass.
Berrien Springs, Mich.
Omaha, Nebr.
Mexico City
Lynchburg, Va.

--	--	--

Louis Wasmer, Inc.
Nebraska Wesleyan University
Edison Elec. Illuminating Co.
Emmanuel Missionary College
Woodmen of the World
Sria. de Industria, Comercio y Trabajo
Abe Cohen

KCYS.
670
MTRS.
447.5
DIAL

600 kilocycles

CFCH	250	3
CJRM	500	4
CJRW	500	4
CMW	1000	---
CNRO	500	3
✓KFS	500	+
WCAC	250	2+
WCAO	250	C
WGBS	600	2+
WMT	500	X
WOAN	500	1
WREC	500	1+C

499.7 meters

Iroquois Falls, Ont.
Moose Jaw, Sask.
Fleming, Sask.
Havana, Cuba
Ottawa, Ont.
San Diego, Cal.
Storrs, Conn.
Baltimore, Md.
New York City
Waterloo, Iowa
Lawrenceburg, Tenn.
Memphis, Tenn.

75	75	74
----	----	----

Abitibi Power & Paper Co.
Jas. Richardson & Sons, Ltd.
Jas. Richardson & Sons, Ltd.
Columbus Commercial & Radio Co.
Canadian National Railways
Airfan Radio Corp.
Conn. Agricultural College
Monumental Radio Inc.
General Broadcasting System, Inc.
Waterloo Broadcasting Co.
WREC, Inc.
WREC, Inc.

610 kilocycles

CMBY	200	612
KFRC	1000	C
WDAF	1000	N
WFAN	500	2C
WIP	500	2
WJAY	500	D

491.5 meters

Havana, Cuba
San Francisco, Cal.
Kansas City, Mo.
Philadelphia, Pa.
Philadelphia, Pa.
Cleveland, Ohio

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Lino E. Cosculluala
Don Lee, Inc.
Kansas City Star Co.
Keystone Broadcasting Co., Inc.
Gimbel Bros. Co.
Cleveland Radio Broadcasting Corp.

620 kilocycles

KGW	1000	X+N
KTAR	500	+
WFLA	1000	1+
WLBZ	500	---
WSUN	1000	1+
WTMJ	1000	+N

483.6 meters

Portland, Ore.
Phoenix, Arizona
Clearwater, Fla.
Bangor, Maine
St. Petersburg, Fla.
Milwaukee, Wis.

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Oregonian Publishing Co.
KAR Broadcasting Co.
Chamber of Commerce
Maine Broadcasting Co., Inc.
Chamber of Commerce
Milwaukee Journal

630 kilocycles

CFCT	500	---
CJGX	500	---
CNRA	500	---
KFRU	500	1
WGBF	500	1
WMAL	250	1+C
WOS	500	1+
XFC	350	---

475.9 meters

Victoria, B. C.
Yorkton, Sask.
Moncton, N. B.
Columbia, Mo.
Evansville, Ind.
Washington, D. C.
Jefferson City, Mo.
Jalapa, Ver.

--	--	--

Victoria Broadcasting Association
Winnipeg Grain Exchange
Canadian National Railways
Stephens College
Evansville On the Air, Inc.
M. A. Leese
State Marketing Bureau
Gobierno Estado de Veracruz

640 kilocycles

✓CMCF	250	643
KFI	5000	N
WAIU	500	C
WOI	5000	D
XFG	2000	---

468.5 meters

Havana, Cuba
Los Angeles, Cal.
Columbus, Ohio
Ames, Iowa
Mexico City

65+	65	64
-----	----	----

Raul Karmen
Earle C. Anthony, Inc.
American Insurance Union
State College of Agriculture
Sria, de Guerra y Marina

650 kilocycles

WSM	5000	N
-----	------	---

461.3 meters

Nashville, Tenn.

--	--	--

National Life & Accident Ins. Co.

660 kilocycles

WAAW	500	D
WEAF	50000	N

454.3 meters

Omaha, Neb.
New York City

--	--	--

Omaha Grain Exchange
National Broadcasting Co., Inc.

670 kilocycles

WMAQ	5000	C
XEB	1000	---

447.5 meters

Chicago, Ill.
Mexico City

--	--	--

Chicago Daily News, Inc.
E. Buen Tono, S. A.

CUT OUT ON DOTTED LINES

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 Raleigh, N. C.
 ----- 250 CP Gueda Springs, Kans.

--	--	--

Scroggin & Co. Bank
 Hale Bros. & The Chronicle
 Durham Life Insurance Co.
 R. E. Campbell and F. L. Stallard

690 kilocycles 434.5 meters

CFAC 500 1 Calgary, Alta.
 CFCN 500 1 Calgary, Alta.
 CHCA 500 1 Calgary, Alta.
 CJCJ 500 1 Calgary, Alta.
 CKGW 5000 2N Toronto, Ont.
 CNRC 500 1 Calgary, Alta.
 CNRX 5000 2 Toronto, Ont.
 NAA 1000 --- Arlington, Va.
 VAS 500 --- Louisburg, N. S.

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The Calgary Herald
 Western Broadcasting Co.
 The Western Farmer
 Albertan Publishing Co., Ltd.
 Gooderham & Worts, Ltd.
 Canadian National Railways
 Canadian National Railways
 U. S. Navy
 Department of Fisheries

700 kilocycles 428.3 meters

WLW 5000 N Cincinnati, Ohio

--	--	--

Crosley Radio Corp.

710 kilocycles 422.3 meters

✓ KEJK 500 --- Los Angeles, Cal.
 WOR 5000 --- Newark, N. J.

50	49	49
----	----	----

R. S. MacMillan
 Bamberger Broadcasting Service, Inc.

720 kilocycles 416.4 meters

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

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Chicago Tribune
 Chicago Tribune

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.
 XEN 1000 --- Mexico City

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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
 General Electric, S. A.

740 kilocycles 405.2 meters

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

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

750 kilocycles 399.8 meters

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

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WJR, The Goodwill Station, Inc.

760 kilocycles 394.5 meters

✓ KVI 1000 C Tacoma, Wash.
 WEW 1000 D St. Louis, Mo.
 WJZ 30000 N New York City

42+	41	40+
-----	----	-----

Puget Sound Broadcasting Co., Inc.
 St. Louis University
 Radio Corp. of America, Inc.

770 kilocycles 389.4 meters

KFAB 5000 1N Lincoln, Nebr.
 WBBM 25000 1C Chicago, Ill.
 WJBT 25000 1S Chicago, Ill.

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Nebraska Buick Automobile Co.
 The Atlass Co., Inc.
 The Atlass Co., Inc.

780 kilocycles 384.4 meters

CKY 5000 3 Winnipeg, Manitoba
 CNRW 5000 3 Winnipeg, Manitoba
 ✓ KELW 500 2 Burbank, Cal.
 KTM 500 2+ Los Angeles, Cal.
 WEAN 250 +C Providence, R. I.
 WMC 500 +N Memphis, Tenn.
 WPOR 500 1 Norfolk, Va.
 WTAR 500 1C Norfolk, Va.

39	38+	38+
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Manitoba Telephone System
 Canadian National Railways
 Earl L. White
 Pickwick Broadcasting Corp.
 The Shepard Co.
 Memphis Commercial-Appeal
 WTAR Radio Corp.
 WTAR Radio Corp.

INDEX BY FREQUENCIES AND DIAL NUMBERS

790 kilocycles 379.5 meters
 ✓ CMHC 500 791 Tuinucu, Cuba
 ✓ KGO 7500 N Oakland, Cal.
 WGY 50000 N Schenectady, N. Y.

38-	37	37-
-----	----	-----

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

800 kilocycles 374.8 meters
 ✓ WBAP 5000 1XN Fort Worth, Texas
 ✓ WFAA 5000 1XN Dallas, Texas

35	35+	35
----	-----	----

Carter Publications, Inc.
 News & Journal

810 kilocycles 370.2 meters
 WCCO 7500 -C Minneapolis, Minn.
 WPCB 500 -D New York City

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Northwestern Broadcasting, Inc.
 Eastern Broadcasters, Inc.

820 kilocycles 365.6 meters
 CMI 500 815 Havana, Cuba
 WHAS 10000 N Louisville, Ky.

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Instituto Provincial
 Courier-Journal & Times

830 kilocycles 361.2 meters
 ✓ CMGA 300 834 Colon, Cuba
 ✓ KOA 12500 N Denver, Colo.
 WEPS 1000 D Gloucester, Mass.
 WRUF 5000 --- Gainesville, Fla.

33	32	32-
----	----	-----

Leopoldo V. Figueros
 General Electric Co.
 Alfred F. Kleindinst
 University of Florida

840 kilocycles 356.9 meters
 CFCA 500 1 Toronto, Ont.
 CHCT 1000 Red Deer, Alta.
 CKLC 1000 2 Red Deer, Alta.
 CKOW 500 1 Toronto, Ont.
 CMC 500 --- Havana, Cuba
 CNRD 1000 2 Red Deer, Alta.
 CNRT 500 1 Toronto, Ont.
 WGM 100 3 Adamsburg, Pa.
 WOOP 100 3 Jeannette, Pa.

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Star Publishing & Ptg. Co.
 G. F. Tuil & Ardern Ltd.
 Alberta Pacific Grain Co., Ltd.
 Nestle's Food Co.
 Cuban Telephone Co.
 Canadian National Railways
 Canadian National Railways
 Oakford-Olympia Park Corp.
 Oakford-Olympia Park Corp.

850 kilocycles 352.7 meters
 KWKH 10000 1 Shreveport, La.
 NBA 750 846 Balboa, Canal Zone
 WWL 5000 1 New Orleans, La.

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W. K. Henderson
 Loyola University

860 kilocycles 348.6 meters
 KFQZ 250 --- Los Angeles, Cal.
 KMO 500 + Tacoma, Wash.
 WABC 5000 1XC New York City
 WBOQ 5000 1X New York City
 WHB 500 D Kansas City, Mo.

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Taft Radio & Broadcasting Co., Inc.
 KMO, Inc.
 Atlantic Broadcasting Corp.
 Atlantic Broadcasting Corp.
 WHB Broadcasting Co.

870 kilocycles 344.6 meters
 ✓ WENR 50000 1N Chicago, Ill.
 ✓ WLS 5000 1XN Chicago, Ill.

29	28	28
----	----	----

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.
 CJC 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.
 KPOF 500 2 Denver, Colo.
 WCOC 500 + Meridian, Miss.
 WGBI 250 1 Scranton, Pa.
 WQAN 250 1 Scranton, Pa.
 WSUI 500 --- Iowa City, Iowa

27+	27+	27+
-----	-----	-----

The Hamilton Spectator
 Maple Leaf Radio Co., Ltd.
 E. Fontaine
 N. Nathanson
 Le "Soleil," Ltd.
 G. A. Vandry
 Wentworth Radio & Auto Sply. Co., Ltd.
 Canadian National Railways
 State Teachers College
 Tribune Publishing Co.
 Pillar of Fire, Inc.
 Mississippi Broadcasting Co.
 Scranton Broadcasters, Inc.
 Scranton Times
 University of Iowa

KCYS.
880
 MTRS.
340.7
 DIAL

CUT OUT ON DOTTED LINES

INDEX BY FREQUENCIES AND DIAL NUMBERS

890 kilocycles 336.9 meters

CFBO	50	---	St. John, N. B.
CKCO	100	---	Ottawa, Ont.
CMBC	100	887	Havana, Cuba
KFNF	500	2+	Shenandoah, Iowa
KGJF	250	---	Little Rock, Ark.
KUSD	500	2+	Vermillion, S. D.
WGST	250	1X	Atlanta, Ga.
WILL	250	2+	Urbana, Ill.
WJAR	250	+N	Providence, R. I.
WKAQ	500	---	San Juan, P. R.
WMAZ	250	1+	Macon, Ga.
WMMN	250	+	Fairmount, W. Va.

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C. A. Munro, Ltd.
Dr. G. M. Geldert
D. Fernandez Cruz
Henry Field Seed Co.
Church of the Nazarene
University of South Dakota
Georgia School of Technology
University of Illinois
The Outlet Co.
Radio Corp. of Porto Rico
Junior Chamber of Commerce
Holt-Rowe Novelty Co.

900 kilocycles 333.1 meters

✓KGBU	500	---	Ketchikan, Alaska
KHJ	1000	C	Los Angeles, Cal.
KSEI	250	---	Pocatello, Idaho
WJAX	1000	N	Jacksonville, Fla.
WKY	1000	N	Oklahoma City
WLBL	2000	D	Stevens Pt., Wis.
WMAK	750	C1	Buffalo, N. Y.
WRDA	1000	CPI	Buffalo, N. Y.

25+	25+	25+
-----	-----	-----

Alaska Radio & Service Co.
Don Lee, Inc.
KSEI Broadcasting Association, Inc.
City of Jacksonville
WKY Radiophone Co.
Wisconsin Dept. of Markets
WMAK Broadcasting System, Inc.
Buffalo Evening News

910 kilocycles 329.6 meters

CFQC	500	1	Saskatoon, Sask.
CJGC	500	2	London, Ont.
CJHS	250	1	Saskatoon, Sask.
CNRL	500	2	London, Ont.
CNRS	500	1	Saskatoon, Sask.
XFX	1000	---	Mexico City

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The Electric Shop, Ltd.
Free Press Printing Co., Ltd.
Radio Service, Ltd.
Canadian National Railways
Canadian National Railways
Sria. de Educacion Publica

920 kilocycles 325.9 meters

CMHD	250	---	Caibarien, Cuba
CMX	250	916	Havana, Cuba
HHK	1000	---	Port au Prince, Haiti
KFEL	500	1	Denver, Colo.
KFXF	500	1	Denver, Colo.
KOMO	1000	N	Seattle, Wash.
KPRC	1000	+N	Houston, Texas
WAAF	500	D	Chicago, Ill.
WBSO	250	DX	Wellesley Hills, Mass.
WWJ	1000	N	Detroit, Mich.
XEX	500	---	Mexico City
XFF	250	---	Chihuahua, Chih.

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Manuel A. Alvarez
Francisco Lavin
Republic of Haiti
Eugene P. O'Fallon, Inc.
Colorado Radio Corp.
Fisher's Blend Station, Inc.
Houston Printing Co.
Drovers Journal Publishing Co.
Babson Statistical Organization, Inc.
The Detroit News
Excelsior, Cia Editorial, S. A.
Gobierno Estado de Chihuahua

930 kilocycles 322.4 meters

CFRC	500	3	Kingston, Ont.
CHNS	500	---	Halifax, N. S.
CKIC	50	---	Wolfville, N. S.
CKPR	50	3	Midland, Ont.
KFWI	500	1	San Francisco, Cal.
✓KFWM	500	1+	Oakland, Cal.
KGBZ	500	2+	York, Nebr.
KMA	500	2+	Shenandoah, Iowa
WBRC	500	+C	Birmingham, Ala.
WDBJ	250	+C	Roanoke, Va.
WIBG	50	D	Elkins Park, Pa.

24-	23-	23+
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Queen's University
Halifax Herald, Ltd.
Acadia Academy
Midland Broadcasting Corp.
Radio Entertainments, Inc.
Educational Broadcasting Corp.
Dr. George R. Miller
May Seed & Nursery Co.
Birmingham Broadcasting Co., Inc.
Richardson-Wayland Elec. Corp.
St. Pauls P. E. Church

940 kilocycles 319.0 meters

KGU	1000	---	Honolulu, Hawaii
KOIN	1000	C	Portland, Ore.
WCSH	500	XN	Portland, Maine
WDAY	1000	---	Fargo, N. D.
WFIW	1000	C	Hopkinsville, Ky.
WHA	750	D	Madison, Wis.

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Marion A. Mulrony
KOIN, Inc.
Congress Square Hotel Co.
WDAY, Inc.
The Acme Mills, Inc.
University of Wisconsin

950 kilocycles 315.6 meters

✓CMCB	150	952	Havana, Cuba
KFWB	1000	---	Hollywood, Cal.
KGHL	500	---	Billings, Mont.
KMBC	1000	C	Kansas City, Mo.
WRC	500	N	Washington, D. C.

22	21+	21+
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Jose Fernandez Suviour
Warner Bros. Broadcasting Corp.
Northwestern Auto Supply Co., Inc.
Midland Broadcasting Co., Inc.
Radio Corp. of America

INDEX BY FREQUENCIES AND DIAL NUMBERS

960 kilocycles 312.3 meters

CFCR	500	3
CFCY	250	1
CFRB	4000	2C
CHCK	30	1
CHWC	500	3
CJBR	500	3
CKCK	500	3
CNRR	500	3
XEE	101	---

Regina, Sask.
Charlottetown, P. E. I.
Toronto, Ont.
Charlottetown, P. E. I.
Pilot Butte, Sask.
Regina, Sask.
Regina, Sask.
Regina, Sask.
Pueblo, Pue.

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Sydney I. Robinson
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
Ramon Huerta G.

970 kilocycles 309.1 meters

KJR	5000	D
XEH	1000	---
WCFL	1500	N

Seattle, Wash.
Monterey, N. L.
Chicago, Ill.

20+	20-	20
-----	-----	----

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

980 kilocycles 305.9 meters

KDKA	50000	N
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Pittsburgh, Pa.

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Westinghouse Elec. & Mfg. Co.

990 kilocycles 302.8 meters

WBZ	15000	1N
WBZA	500	1N

Springfield, Mass.
Boston, Mass.

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

1000 kilocycles 299.8 meters

KFVD	250	---
WHO	5000	1N
WOC	5000	1N
XEI	101	---

Culver City, Cal.
Des Moines, Iowa
Davenport, Iowa
Morellia, Mexico

19-	18	18
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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
CKCR	50	3
CKSH	50	---
KGGF	500	2
KQW	500	---
WHN	250	1
WIS	500	CP+
WNAD	500	2
WPAP	250	1
WQAO	250	1
WRNY	250	1

Prescott, Ont.
Waterloo, Ont.
St. Hyacinthe, Que.
Picher, Okla.
San Jose, Cal.
New York City
Columbia, S. C.
Norman, Okla.
New York City
New York City
New York City

18	17-	18
----	-----	----

Radio Association
John Patterson
City of St. Hyacinthe
D. L. Connell, M. D.
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
KYW	10000	1N
WRAX	250	D

Chicago, Ill.
Chicago, Ill.
Philadelphia, Pa.

--	--	--

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

1030 kilocycles 291.1 meters

CFCF	1650	---
CJOR	50	---
CMBW	50	1027
CMBZ	100	1027
CNRV	500	---

Montreal, Que.
Sea Island, B. C.
Marianao, Cuba
Havana, Cuba
Vancouver, B. C.

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Canadian Marconi Co.
G. C. Chandler
Modesto Alvarez
Manuel y G. Salas
Canadian National Railways

1040 kilocycles 288.3 meters

KRLD	10000	1C
KTHS	10000	1N
WKAR	1000	D
WKEN	1000	---

Dallas, Texas
Hot Springs, Ark.
East Lansing, Mich.
Buffalo, N. Y.

--	--	--

KRLD Radio Corp.
Chamber of Commerce
Michigan Agricultural College
Radio Station WKEN, Inc.

1050 kilocycles 285.5 meters

KFKB	5000	---
KNX	5000	X

Milford, Kansas
Hollywood, Cal.

15+	15-	15+
-----	-----	-----

KFKB Broadcasting Assn., Inc.
Western Broadcast Co.

KCYS.
1050
MTRS.
285.5
DIAL

CUT OUT ON DOTTED LINES

INDEX BY FREQUENCIES AND DIAL NUMBERS

1060 kilocycles 282.8 meters

KWJJ 500 ---
WBAL 1000 1N
WJAG 1000 ---
WTIC 5000 1N

Portland, Ore.
Baltimore, Md.
Norfolk, Nebr.
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
WAAT 300 D
WCAZ 50 D
WDZ 100 D
WEAR 1000 1ND
WTAM 5000 1N

San Francisco, Cal.
Jersey City, N. J.
Carthage, Ill.
Tuscola, Ill.
Cleveland, Ohio
Cleveland, Ohio

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Julius Brunton & Sons Co.
Bremer Broadcasting Corp.
Superior Broadcasting Service
James L. Bush
WTAM and WEAR, Inc.
WTAM and WEAR, Inc.

1080 kilocycles 277.6 meters

WBT 5000 N
WCBD 5000 1
WMBI 5000 1

Charlotte, N. C.
Zion, Ill.
Chicago, Ill.

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Station WBT, Inc.
Wilbur Glenn Voliva
Moody Bible Institute

1090 kilocycles 275.1 meters

KFOA 5000 1SX
KMOX 5000 1CX

St. Louis, Mo.
St. Louis, Mo.

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Voice of St. Louis, Inc.
Voice of St. Louis, Inc.

1100 kilocycles 272.6 meters

CMCE 100 1098
KGDM 250 DX
WLWL 5000 1
WPG 5000 1

Havana, Cuba
Stockton, Cal.
New York City
Atlantic City, N. J.

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Julio E. Power
E. F. Pepper
Missionary Society of St. Paul
Municipality of Atlantic City

1110 kilocycles 270.1 meters

KSOO 2000 ---
WRVA 5000 N

Sioux Falls, S. D.
Richmond, Va.

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

1120 kilocycles 267.7 meters

CFJC 15 ---
CHGS 25 ---
CJOC 50 ---
KFIO 100 D
KFSG 500 3
KMIC 500 3
KRSC 50 D
KTRH 500 2CP
WDBO 500 +
WDEL 250 +
WHAD 250 1
WISN 250 1C
WTAW 500 2
----- 150 CP

Kamloops, B. C.
Summerside, P. E. I.
Lethbridge, Alta.
Spokane, Wash.
Los Angeles, Cal.
Inglewood, Cal.
Seattle, Wash.
Austin, Texas
Orlando, Fla.
Wilmington, Del.
Milwaukee, Wis.
Milwaukee, Wis.
College Station, Texas
Rayne, La.

12	11+	12
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N. S. Dalgleish & Sons
R. T. Holman, Ltd.
Harold R. Carson
Spokane Broadcasting Corp.
Echo Park Evag. 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

1130 kilocycles 265.3 meters

↖KSL 5000 N
WJJD 20000 ---
WOV 1000 D
XEF 105 ---

Salt Lake City
Mooseheart, Ill.
New York City
Oaxaca, Oax.

11+	11-	12
-----	-----	----

Radio Service Corp. of Utah
Loyal Order of Moose
International Broadcasting Corp.
Federico Zorrilla

1140 kilocycles 263.0 meters

KVOO 5000 1N
WAPI 5000 1N

Tulsa, Okla.
Birmingham, Ala.

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Southwestern Sales Corp.
Alabama Polytechnic Institute

1150 kilocycles 260.7 meters

CMHA 200 1154
WHAM 5000 N

Cienfuegos, Cuba
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 10000 1C
 WWVA 5000 1

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 ---
 WCAU 10000 C

Muscatine, Iowa
 Philadelphia, Pa.

--	--	--

Norman Baker
 Universal Broadcasting Co.

1180 kilocycles 254.1 meters

✓KEX 5000 2
 KOB 20000 2
 WDG Y 1000 1
 WHDI 500 1

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

9	9	10-
---	---	-----

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

1190 kilocycles 252.0 meters

WICC 500 D
 WOAI 5000 XN

Bridgeport, Conn.
 San Antonio, Texas

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Bridgeport Broadcasting Station, Inc.
 Southern Equipment Co.

1200 kilocycles 249.9 meters

KBTM 100 CPD
 KFHA 50 ---
 KFJB 100 +
 KF WF 100 5
 KGC U 100 ---
 KGDE 100 X+
 KGDY 15 ---
 KGEK 50 9
 KGEW 100 9
 KG FJ 100 ---
 KGFK 50 ---
 KGHI 100 ---
 KGY 10 +
 KSMR 100 ---
 KVOS 100 ---
 KWG 100 ---
 KXO 100 ---
 WABI 100 ---
 WABZ 100 1
 WBBY 75 ---
 WBBZ 100 ---
 WCAT 100 ---
 WCAX 100 2
 WCLO 100 ---
 WCOD 100 3
 WEHC 100 ---
 WFBC 50 ---
 WFBE 100 ---
 WHBC 10 4S
 WHBY 100 ---
 WIBX 100 +
 WIL 100 5+
 WJBC 100 6
 WJBL 100 6
 WJBW 30 1
 WKJC 100 3
 WLAP 30 ---
 WLBG 100 +
 WMAY 100 5+
 WNBO 100 4
 WNBW 10 ---
 WNBX 10 2
 WORC 100 X
 WRAF 100 8
 WRBL 50 ---
 WWAB 100 8
 XEA 101 ---
 XES 250 ---

Paragould, Ark.
 Gunnison, Colo.
 Marshalltown, Iowa
 St. Louis, Mo.
 Mandan, N. D.
 Fergus Falls, Minn.
 Oldham, S. D.
 Yuma, Colo.
 Fort Morgan, Colo.
 St. Louis, Mo.
 Hallock, Minn.
 Little Rock, Ark.
 Lacey, Wash.
 Santa Maria, Cal.
 Bellingham, Wash.
 Stockton, Cal.
 El Centro, Cal.
 Bangor, Maine
 New Orleans, La.
 Charleston, S. C.
 Ponca City, Okla.
 Rapid City, S. D.
 Burlington, Vt.
 Kenosha, Wis.
 Harrisburg, Pa.
 Emory, Va.
 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.
 La Porte, Ind.
 Columbus, Ga.
 Hammond, Ind.
 Guadalajara, Jal.
 C. Lerdo Dgo.

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W. J. Beard's Temple of Music
 Western College of Colorado
 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
 Lautzenheiser & Mitchell
 Berean Bible Class
 St. Martin's College
 Santa Maria Valley R. R. Co.
 KVOS, Inc.
 Portable Wireless Tel. Co., Inc.
 E. R. Irely and F. M. Bowles
 First Universalist Church
 Coliseum Place Baptist Church
 Washington Light Infantry
 C. L. Carrell
 State School of Mines
 University of Vermont
 C. E. Whitmore
 Norman R. Hoffman
 Emory & Henry College
 First Baptist Church
 WFBE, Inc.
 St. John's Catholic Church
 St. Norbert's College
 WIBX, Inc.
 Missouri Broadcasting Corp.
 Hummer Furniture 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
 The Radio Club, Inc.
 David Parmer
 Hammond-Calumet Broadcasting Corp.
 Alberto Palos Souza
 Cervceria de Durango, S. A.

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.
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, Calif.
KGCR	100	---	Watertown, S. D.
KGMP	100	CP	Elk City, Okla.
KGNO	100	OP	Dodge City, Kans.
KMJ	100	---	Fresno, Cal.
KPPC	50	9	Pasadena, Cal.
KWEA	100	---	Shreveport, La.
WBAX	100	1	Wilkes-Barre, Pa.
WBBL	100	---	Richmond, Va.
WCBS	100	2	Springfield, Ill.
WCOH	100	3	Yonkers, N. Y.
WCRW	100	4	Chicago, Ill.
WDWF	100	5	Providence, R. I.
WEBE	100	---	Cambridge, Ohio
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.
WIBA	100	---	Madison, Wis.
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.
WMAN	50	---	Columbus, Ohio
WMBG	100	---	Richmond, Va.
WOCL	25	---	Jamestown, N. Y.
WOMT	100	---	Manitowoc, Wis.
WPAW	100	5	Pawtucket, R. I.
WRBQ	100	X+	Greenville, Miss.
WRBU	100	---	Gastonia, N. C.
WSBC	100	4	Chicago, Ill.
WSIX	100	---	Springfield, Tenn.
WTAX	50	2	Streator, Ill.

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Western Ontario "Better Radio" Club
 James S. Neill & Sons, Ltd.
 Chilliwack Broadcasting Co., Ltd.
 R. L. MacAdam
 Wallace Russ
 Donald Lewis Hathaway
 Radio Electric Co.
 Howard A. Shuman
 Hirsch Battery & Radio Co.
 J. C. & E. W. Lee
 Cutler's Radio Brdcastg. Service, Inc.
 Bryant Radio & Electric Co.
 Melvin A. McCollum
 James McClatchy Co.
 Pasadena Presbyterian Church
 William E. Antony
 John H. Stenger, Jr.
 Grace Covenant Presbyterian Church
 H. L. Dewing & Chas, Messer
 Westchester Broadcasting Corp.
 Clinton R. White
 Dutee W. Flint
 Roy W. Waller
 First Trust & Savings Bank
 Emil Denemark, Inc.
 Harry H. Carman
 Great Southern Land Co., Inc.
 Beardsley Specialty Co.
 Citizens Bank
 Capital Times
 Robert S. Johnson
 Bucknell University
 Gadsden Broadcasting Co., Inc.
 Mansfield Broadcasting Assn.
 Lutheran Assn. of Ithaca
 The Lincoln Studios, Inc.
 General Broadcasting Co.
 Havens & Martin, Inc.
 A. E. Newton
 Francis M. Kadow
 Shartenburg & Robinson Co.
 J. Pat Scully
 A. J. Kirby Music Co.
 World Battery Co., Inc.
 638 Tire & Vulcanizing Co.
 Williams Hardware Co.

1220 kilocycles 245.8 meters

KFKU	1000	1	Lawrence, Kans.
KWSC	500	X+	Pullman, Wash.
WCAD	500	D	Canton, N. Y.
WCAE	1000	N	Pittsburgh, Pa.
WDAE	1000	---	Tampa, Fla.
WREN	1000	IN	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, Calif.
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-Norwell Co.
 Indianapolis Power & Light Co.
 Shepard-Norwell Co.
 Pennsylvania State College
 South Bend Tribune

1240 kilocycles 241.8 meters

KSAT	1000	1	Ft. Worth, Texas
WACO	1000	1	Waco, Texas
WGHP	1000	C	Detroit, Mich.

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Texas Air Transport Brdcast.
 Central Texas Broadcasting Co., Inc.
 American Broadcasting Corp.

INDEX BY FREQUENCIES AND DIAL NUMBERS

1250 kilocycles 239.9 meters

KFMX	1000	2
KFOX	1000	---
KIDO	1000	---
WAAM	1000	1+
WCAL	1000	2
WDSU	1000	C
WGCP	250	1
WGMS	500	2X
WLB	500	2X
WODA	1000	1
WRHM	1000	2C
-----	500	CP

Northfield, Minn.
Long Beach, Cal.
Boise, Idaho
Newark, N. J.
Northfield, Minn.
New Orleans, La.
Newark, N. J.
Minneapolis, Minn.
Minneapolis, Minn.
Paterson, N. J.
Minneapolis, Minn.
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
KRGV	500	1
KVOA	500	D
KWWG	500	1
WLBW	500	C+
WTOC	500	---

Council Bluffs, Iowa
Harlingen, Texas
Tucson, Ariz.
Brownsville, Texas
Oil City, Pa.
Savannah, Ga.

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Mona Motor Oil Co.
Valley Radio-Electric Corp.
Robert M. Riculfi
Chamber of Commerce
Radio-Wire Program Corp.
Savannah Broadcasting Co.

1270 kilocycles 236.1 meters

KFUM	1000	---
KGCA	50	2D
KOL	1000	3
KTW	1000	3
KWLC	100	2D
WASH	500	1
WEAI	500	D
WFBR	250	---
WJDX	500	+N
WOOD	500	1

Colorado Springs, Colo.
Decorah, Iowa
Seattle, Wash.
Seattle, Wash.
Decorah, Iowa
Grand Rapids, Mich.
Ithaca, N. Y.
Baltimore, Md.
Jackson, Miss.
Grand Rapids, Mich.

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W. D. Corley
Charles W. Greenley
Seattle Broadcasting 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

KFBB	1000	+
WCAM	500	1
WCAP	500	1
WDOD	1000	+C
WOAX	500	1
WRR	500	---

Great Falls, Mont.
Camden, N. J.
Asbury Park, N. J.
Chattanooga, Tenn.
Trenton, N. J.
Dallas, Texas

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Buttrey Broadcast, Inc.
City of Camden
Radio Industries Broadcast Co.
Chattanooga Radio Co., Inc.
Franklyn J. Wolff
City of Dallas

1290 kilocycles 232.4 meters

KDYL	1000	C
KFUL	500	1
KLCN	50	D
KTSA	1000	1+C
WEBC	1000	X+N
WJAS	1000	C
WNBZ	50	D

Salt Lake City
Galveston, Texas
Blytheville, Ark.
San Antonio, Texas
Superior, Wis.
Pittsburgh, Pa.
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
KFJR	500	3
KGEF	1000	4
KTBI	750	4
KTBR	500	3
WBBR	1000	1
WEVD	500	1
WHAP	1000	1
WHAZ	500	1
WIOD	1000	N
WOQ	1000	2

Wichita, Kansas
Portland, Ore.
Los Angeles, Cal.
Los Angeles, Cal.
Portland, Ore.
Rossville, N. Y.
New York City
New York City
Troy, N. Y.
Miami Beach, Fla.
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 Co.
Unity School of Christianity

1310 kilocycles 228.9 meters

KFBK	100	---
KFGQ	100	7--
KFIU	10	---
KFJY	100	7
KFPL	100	---
KFPM	15	---

Sacramento, Cal.
Boone, Iowa
Juneau, Alaska
Ft. Dodge, Iowa
Dublin, Texas
Greenville, Texas

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Jas. McClatchy Co.
Boone Biblical College
Alaska Electric Light & Power Co.
C. S. Tunwall
C. C. Baxter
The New Furniture Co.

KCYS.
1310
MTRS.
228.9
DIAL

CUT OUT ON DOTTED LINES

INDEX BY FREQUENCIES AND DIAL NUMBERS

KFUP	100	8	Denver, Colo.	Fitzsimmons General Hospital
KFXJ	50	8	Edgewater, Colo.	R. G. Howell
KFXR	100	X+	Oklahoma City	Exchange Ave. Baptist Church
KGBX	100	---	St. Joseph, Mo.	Foster-Hall Tire Co.
KGCX	100	+	Wolf Point, Mont.	First State Bank of Vida
KGEZ	100	X	Kalispell, Mont.	Chamber of Commerce
KGFW	100	---	Ravenna, Neb.	Otto F. Sothman and Roy H. McConnell
KGHG	50	CP	McGehee, Ark.	Chas. W. McCollum
KGMC	100	CP	Jerome, Ariz.	Charles C. Robinson
KIT	50	---	Yakima, Wash.	Carl E. Haymond
KMED	50	---	Medford, Ore.	Mrs. W. J. Virgin
KRMD	50	9	Shreveport, La.	Robert M. Dean
KTSL	100	9	Shreveport, La.	Houseman Sheet Metal Works, Inc.
KTSM	100	2	El Paso, Texas	W. S. Bledsoe & W. T. Blackwell
KWCR	100	7	Cedar Rapids, Iowa	Harry F. Paar
KXRO	75	---	Aberdeen, Wash.	KXRO, Inc.
WAGM	50	---	Royal Oak, Mich.	Royal Oak Broadcasting Co.
WBOV	100	---	Terre Haute, Ind.	Banks of Wabash, Inc.
WBRE	100	---	Wilkes-Barre, Pa.	Louis G. Baltimore
WCLS	100	1	Joliet, Ill.	WCLS, Inc.
WCSC	100	CP+	Charleston, S. C.	Fred Jordon & Lewis Burk
WDAH	100	2	El Paso, Texas	Trinity Methodist Church
WEBR	100	+	Buffalo, N. Y.	Howell Broadcasting Co., Inc.
WFBG	100	3	Altoona, Pa.	Wm. F. Gable Co.
WFDL	100	---	Flint, Mich.	Frank D. Fallain
WFKD	50	4	Philadelphia, Pa.	Foulkrod Radio Engineering Co.
WGAL	15	5X	Lancaster, Pa.	WGAL, Inc.
WGH	100	---	Newport News, Va.	Virginia Broadcasting Co., Inc.
WHAT	100	4X	Philadelphia, Pa.	Albert A. Walker
WIBU	100	---	Poynette, Wis.	William C. Forrest
WJAC	100	3	Johnstown, Pa.	Johnstown Automobile Co.
WJAK	50	6	Marion, Ind.	Marion Broadcasting Co.
WKAV	100	---	Laconia, N. H.	Laconia Radio Club
WKBB	100	1	Joliet, Ill.	Sanders Bros.
WKBC	100	---	Birmingham, Ala.	R. B. Broyles Furniture Co.
WKBS	100	---	Galesburg, Ill.	Permil N. Nelson
WLBC	50	6	Muncie, Ind.	Donald A. Burton
WMBO	100	---	Auburn, N. Y.	Radio Service Laboratories
WNBH	100	---	New Bedford, Mass.	New Bedford Broadcasting Co.
WNBK	50	---	Knoxville, Tenn.	Lonsdale Baptist Church
WOBT	100	+	Union City, Tenn.	Tittsworth's Radio & Music Shop
WOL	100	---	Washington, D. C.	American Broadcasting Co.
WRAW	100	5	Reading, Pa.	Avenue Radio & Electric Shop
WRBI	20	---	Tifton, Ga.	Kent's Furniture and Music Store
WRK	100	---	Hamilton, Ohio	Hamilton Radio Service
WSAJ	100	---	Grove City, Pa.	Grove City College
WSJS	100	CP	Winston-Salem, N. C.	Winston-Salem Journal Co.

1320 kilocycles 227.1 meters

KGHB	500	---	Honolulu, Hawaii	Honolulu Broadcasting Co., Ltd.
KGHF	250	X+	Pueblo, Colo.	C. P. Ritchie & J. E. Finch
KGIQ	250	1	Twin Falls, Idaho	Radio Broadcasting Corp.
KGMB	500	---	Honolulu, Hawaii	Honolulu Broadcasting Co., Ltd.
KID	500	1+	Idaho Falls, Idaho	Jack W. Duckworth, Jr.
WADC	1000	C	Akron, Ohio	Allen T. Simmons
WSMB	500	N	New Orleans, La.	Saenger Theatre & Maison Blanche Co.

1330 kilocycles 225.4 meters

KGB	250	---	San Diego, Cal.	Pickwick Broadcasting Corp.
KSCJ	1000	1C+X	Sioux City, Iowa	Perkins Bros. Co.
WDRC	500	---	New Haven, Conn.	Doolittle Radio Corp.
WSAI	500	N	Cincinnati, Ohio	Crosley Radio Corp., Lessee
WTAQ	1000	1	Eau Claire, Wis.	Gillette Rubber Co.

1340 kilocycles 223.7 meters

KFPW	50	D	Siloam Springs, Ark.	Rev. Lannie W. Stewart
KFPY	1000	CX	Spokane, Wash.	Symons Broadcasting Co.
WCOA	500	---	Pensacola, Fla.	City of Pensacola
WSPD	500	C+	Toledo, Ohio	Toledo Broadcasting Co.

1350 kilocycles 222.1 meters

KWK	1000	N	St. Louis, Mo.	Greater St. Louis Broadcasting Corp.
WBNY	250	1	New York City	Baruchrome Corp.
WCDA	250	1	New York City	Italian Educ. Broadcasting Co., Inc.
WKBQ	250	1	New York City	Standard Cahill Co., Inc.
WMSG	250	1	New York City	Madison Square Garden Brdcstg. Corp.

INDEX BY FREQUENCIES AND DIAL NUMBERS

1360 kilocycles 220.4 meters

KGIR	1000	4X	Long Beach, Cal.
KGIR	500	---	Butte, Mont.
KPSN	1000	4	Pasadena, Cal.
WFBL	1000	C	Syracuse, N. Y.
WGES	500	1+	Chicago, Ill.
WJKS	500	1+	Gary, Ind.
WQBC	300	---	Vicksburg, Miss.

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C. Merwin Dobyns
 KGIR, Inc.
 Pasadena Star-News
 The Onondaga Co., Inc.
 Oak Leaves Broadcasting Station, Inc.
 Johnson-Kennedy Radio Corp.
 Delta Broadcasting Co.

1370 kilocycles 218.7 meters

KCRC	100	2+	Enid, Okla.
KFBL	50	3	Everett, Wash.
KFJI	100	---	Astoria, Ore.
KFJM	100	---	Grand Forks, N. D.
KFJZ	100	---	Ft. Worth, Texas
KFLX	100	---	Galveston, Texas
KGAR	100	X+	Tucson, Ariz.
KGCI	100	5	San Antonio, Texas
KGDA	50	---	Dell Rapids, S. D.
KGFG	100	2	Oklahoma City
KGFL	50	---	Raton, N. M.
KGKL	100	---	San Angelo, Texas
KLO	100	+	Ogden, Utah
KOH	100	---	Reno, Nevada
KONO	100	5	San Antonio, Texas
KOOS	100	---	Marshfield, Ore.
KRE	100	6	Berkeley, Cal.
KVL	100	3	Seattle, Wash.
KWKC	100	---	Kansas City, Mo.
KZM	100	6	Haywood, Cal.
WBTM	100	CP7	Danville, Va.
WCBM	100	+	Baltimore, Md.
WELK	100	---	Philadelphia, Pa.
WFDV	100	---	Rome, Ga.
WGL	100	---	Fort Wayne, Ind.
WHBD	100	---	Mount Orab, Ohio
WHBQ	100	---	Memphis, Tenn.
WHDF	100	+X	Calumet, Mich.
WIBM	100	1	Jackson, Mich.
WJBK	50	1	Ypsilanti, Mich.
WLEY	100	+	Lexington, Mass.
WLVA	100	CP7	Lynchburg, Va.
WMBR	100	---	Tampa, Fla.
WPOE	100	---	Patchogue, N. Y.
WQDM	5	CPD	St. Albans, Vt.
WRAK	50	---	Erie, Pa.
WRBJ	10	---	Hattiesburg, Miss.
WRBT	100	---	Wilmington, N. C.
WRJN	100	---	Racine, Wis.
WSVS	50	---	Buffalo, N. Y.

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Champlin Refining Co.
 Leese Bros.
 KFJI Broadcasters, Inc.
 University of North Dakota
 H. C. Meacham
 George Roy Clough
 Tucson Motor Service Co.
 Radio Sam Broadcast Co., Inc.
 Home Auto Co.
 Faith Tabernacle Assn.
 W. E. Whitmore
 KGKL, Inc., Opr. by Ragsdale Auto
 Peery Building Co.
 Jay Peters
 Eugene J. Roth
 H. H. Hanseth
 First Congregational Church
 KVL Inc.
 Wilson Duncan Broadcasting Co.
 Leon P. Tenney
 Clarke Electric Co.
 Baltimore Broadcasting Corp.
 Howard R. Miller
 Dolies Goings
 Fred C. Zieg
 F. P. Moler
 Broadcasting Station WHBQ, Inc.
 Upper Michigan Broadcasting Co.
 C. L. Carrell
 James F. Hopkins
 Lexington Air Stations
 Ed. A. & Philip P. Allen
 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

1380 kilocycles 217.3 meters

KQV	500	2	Pittsburgh, Pa.
KSO	500	1	Clarinda, Iowa
WKBH	1000	1	La Crosse, Wis.
WSMK	200	2	Dayton, Ohio

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Doubleday-Hill Electric Co.
 Berry Seed Co.
 Callaway Music Co.
 Stanley M. Krohn, Jr.

KCYS.
 1390
 MTRS.
 215.7
 DIAL

1390 kilocycles 215.7 meters

KLRA	1000	1C	Little Rock, Ark.
KOY	500	---	Phoenix, Ariz.
KUOA	1000	1	Fayetteville, Ark.
WHK	1000	CX	Cleveland, Ohio

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

CUT OUT ON
 DOTTED LINES

INDEX BY FREQUENCIES AND DIAL NUMBERS

1400 kilocycles 214.2 meters

KOCW 250 +
WBAA 500 1
WBBC 500 2
WCGU 500 2
WCMA 500 1
WKBF 500 1
WLTH 500 2
WSGH 500 2

Chickasha, Okla.
Lafayette, Ind.
Brooklyn, N. Y.
Brooklyn, N. Y.
Culver, Ind.
Indianapolis, Ind.
Brooklyn, N. Y.
Brooklyn, N. Y.

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College for Women
Purdue University
Brooklyn Broadcasting Corp.
U. S. Broadcasting Corp.
Culver Military Academy
Indianapolis Broadcasting, Inc.
The Voice of Brooklyn, Inc.
Amateur Radio Specialty Co.

1410 kilocycles 212.6 meters

KFLV 500 4
KGRS 1000 1
WBCM 500 C
WDAG 250 1
WHBL 500 4
WLEX 500 2
WMAF 500 2
WODX 500 3
WSFA 500 3CP
WSSH 500 2

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

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

1420 kilocycles 211.1 meters

KFIF 100 4
KFIZ 100 ---
KFOU 100 5
KFOW 100 ---
KFXD 50 ---
KFXY 100 ---
KFYO 100 +
KGFF 100 ---
KGGC 50 5
KGIW 100 ---
KGIX 100 CP
KGKX 100 ---
KICK 100 ---
KLPM 100 ---
KORE 100 ---
KTAP 100 ---
KTUE 100 X
KXL 100 4
WEDH 30 ---
WEHS 100 2
WFDW 100 CP
WHDL 10 ---
WHFC 100 2
WHIS 100 ---
WIAS 100 ---
WIBR 50 ---
WILM 100 ---
WJBO 100 ---
WKBI 50 2
WKBP 50 ---
WLBF 100 ---
WMBBC 100 X+
WMBH 100 +
WMRJ 10 ---
WORZ 60 1
WSPA 100 +
WTBO 50 X

Portland, Ore.
Fond du Lac, Wis.
Holy City, Cal.
Seattle, Wash.
Jerome, 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
Houston, Texas
Portland, Ore.
Erie, Pa.
Evanston, Ill.
Talladega, Ala.
Tupper Lake, N. Y.
Cicero, Ill.
Bluefield, W. Va.
Ottumwa, Iowa
Steubenville, Ohio
Wilmington, Del.
New Orleans, La.
Chicago, Ill.
Battle Creek, Mich.
Kansas City, Kas.
Detroit, Mich.
Joplin, Mo.
Jamaica, N. Y.
Weirton, W. Va.
Spartanburg, S. C.
Cumberland, Md.

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Benson Polytechnic Institute
Reporter Printing Co.
W. E. Riker
KFOW, 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.
E. C. Reineke
Eugene Broadcasting Station
Alamo Broadcasting Co.
Uhalt Electric
KXL Broadcasters, Inc.
Erie Dispatch-Herald
Victor C. Carlson
Raymond G. Hammett
George Franklin Bissell
Triangle Broadcasters
Daily Telegraph
Poling Electric Co.
George W. Robinson
Delaware Broadcasting Co., Inc.
Valdemar Jensen
Fred L. Schoenwolf
Enquirer-News Co.
WLBF Broadcasting Co.
Michigan Broadcasting Co., Inc.
Edwin Dudley Aber
Peter J. Prinz
J. H. Thomson
Voice of South Carolina
Associated Broadcasting Corp.

1430 kilocycles 209.7 meters

KECA 1000 N
KGNF 500 CPD
WBAK 500 1X+
WBRL 500 ---
WCAH 500 1C
WGBC 500 2
WHP 500 1C
WNBR 500 2

Los Angeles, Calif.
North Platte, Neb.
Harrisburg, Pa.
Tilton, N. H.
Columbus, Ohio
Memphis, Tenn.
Harrisburg, Pa.
Memphis, Tenn.

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Pacific Development Radio Co.
Herbert Logan Spencer
Penna. State Police
Booth Radio Laboratories
Commercial Radio Service Co.
First Baptist Church
Pennsylvania Broadcasting Co.
John Ulrich

1440 kilocycles 208.2 meters

KLS 250 D
WABO 500 2
WCBA 250 1
WHEC 500 2C

Oakland, Cal.
Rochester, N. Y.
Allentown, Pa.
Rochester, N. Y.

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Warner Bros.
Hickson Electric & Radio Corp.
B. B. Musselman
Hickson Electric & Radio Corp.

INDEX BY FREQUENCIES AND DIAL NUMBERS

WMBD	500	3+	Peoria Heights, Ill.	Peoria Heights Radio Laboratory
WNRC	500	---	Greensboro, N. C.	Wayne M. Nelson
WOKO	500	2	Poughkeepsie, N. Y.	Hudson Valley Broadcasting Co.
WSAN	250	1	Allentown, Pa.	Allentown Call Publishing Co., Inc.
WTAD	500	3	Quincy, Ill.	Ills. Stock Medicine Broadcasting Co.

1450 kilocycles 206.8 meters

KTBS	1000	---	Shreveport, La.	Elliott & Steere
WBMS	250	1	Hackensack, N. J.	WBMS Broadcasting Corp.
WCSO	500	2	Springfield, Ohio	Wittenberg, College
WFJC	500	2N	Akron, Ohio	W. F. Jones Broadcast, Inc.
WIBS	250	1	Jersey City, N. J.	New Jersey Broadcasting Corp.
WKBO	250	1	Jersey City, N. J.	Camith Corp.
WNJ	250	1	Newark, N. J.	Radio Investment Co.
WSAR	250	---	Fall River, Mass.	Doughty & Welch Electric Co., Inc.
WTFI	500	---	Toccoa, Ga.	Toccoa Falls Institute

1460 kilocycles 205.4 meters

KSTP	10000	N	St. Paul, Minn.	National Battery Broadcasting Co.
WJSV	10000	---	Mt. Vernon Hills, Va.	Independent Publishing Co.

1470 kilocycles 204.0 meters

KGA	5000	---	Spokane, Wash.	Northwest Broadcasting System, Inc.
WLAC	5000	1C	Nashville, Tenn.	Life & Casualty Insurance Co.
WTNT	5000	1	Nashville, Tenn.	Tennessee Publishing Co.

1480 kilocycles 202.6 meters

KFJF	5000	C	Oklahoma City	National Radio Mfg. Co.
WKBW	5000	C	Buffalo, N. Y.	Churchill Evangelistic Assn., Inc.

1490 kilocycles 201.2 meters

KPWF	5000	CP	Westminster, Cal.	Pacific Western Broadcasting Fed.
WCHI	5000	1	Chicago, Ill.	Radiophone Broadcasting Corp.
WCKY	5000	1N	Covington, Ky.	L. B. Wilson, Inc.
WJAZ	5000	1	Chicago, Ill.	Zenith Radio Corp.
WORD	5000	1	Chicago, Ill.	People's Pulpit Association

1500 kilocycles 199.9 meters

KDB	100	---	Santa Barbara, Cal.	Santa Barbara Broadcasting Co.
KGFI	100	---	Corpus Christi, Texas	Eagle Broadcasting Co., Inc.
KGIZ	50	CP	Grant City, Mo.	Grant City Park Corp.
KGKB	100	---	Brownwood, Texas	Eagle Publishing Co.
KGKY	100	---	Scottsbluff, Nebr.	Hilliard Co., Inc.
KGMD	100	CP	Roswell, N. M.	Dispatch Publishing Co.
KPCB	100	4	Seattle, Wash.	Wescoast Broadcasting Co.
KPJM	100	---	Prescott, Ariz.	Miller & Klahn
KPQ	50	4	Wenatchee, Wash.	Wescoast Broadcasting Co.
KREG	100	---	Santa Ana, Calif.	Pacific Western Broadcasting
KTLC	100	X	Houston, Texas	Houston Broadcasting Co.
KUJ	100	3	Longview, Wash.	Columbia Broadcasting Co., Inc.
KUT	100	---	Austin, Texas	Rice Hotel
KVEP	15	3	Portland, Ore.	Schaeffer Radio Co.
WCLB	100	1	Long Beach, N. Y.	Arthur Faske
WKBV	100	+	Connersville, Ind.	Knox Battery & Electric Co.
WKBZ	50	---	Ludington, Mich.	K. L. Ashbacher
WLBX	100	1	Long Island City, N. Y.	John N. Brahy
WLOE	100	2+	Boston, Mass.	Boston Broadcasting Co.
WMBA	100	---	Newport, R. I.	LeRoy Joseph Beebe
WMBJ	100	---	Wilkinsburg, Pa.	Rev. J. W. Sproul
WMBQ	100	1	Brooklyn, N. Y.	Paul J. Gollhofer
WMES	50	2	Boston, Mass.	Boston Broadcasting Co.
WMPC	100	---	Lapeer, Mich.	First M. E. Church
WNBF	50	X	Binghamton, N. Y.	Hewitt-Wood Radio Co., Inc.
WOP1	100	---	Bristol, Tenn.	Radiophone Brdcastg. Station, Inc.
WPEN	100	+	Philadelphia, Pa.	Wm. Penn Broadcasting Co.
WWRL	100	1	Woodside, N. Y.	Long Island Broadcasting Corp.

KCYS.
1500
MTRS.
199.9
DIAL

INDEX BY LOCATIONS WITH MAP KEY

ALABAMA				Santa Ana K-4	100	KREG	1500
Birmingham K-19-a	5000	WAPI	1140	Santa Barbara J-3	100	KDB	1500
	500	WBRC	930	Santa Maria J-2-b	100	KSMR	1200
	100	WKBC	1310	Stockton H-2-b	250	KGDM	1100
Gadsden K-20-a	50	WJBY	1210		100	KWG	1200
Mobile L-19	500	WODX	1410	Westminster	5000	KPWF	1490
Montgomery K-19	500	WSFA	1410				
Talladega K-20	100	WFDW	1420	CANAL ZONE			
ALASKA				Balboa	750	NBA	850
Anchorage	100	KFOD	1230	COLORADO			
Juneau	10	KFIU	1310	Colo. Springs H-10	1000	KFUM	1270
Ketchikan	500	KGBU	900	Denver G-10-b	500	KFEL	920
ARIZONA					100	KFUP	1310
Flagstaff J-7	100	KFXV	1420		500	KFXF	920
Jerome J-7	100	KGMC	1310		1000	KLZ	560
Phoenix K-7	500	KOY	1390		12500	KOA	830
	500	KTAR	620	Edgewater G-10	500	KPOF	880
Prescott J-6	100	KPJM	1500	Fort Morgan G-11	50	KFXJ	1310
Tucson L-7	100	KGAR	1370	Greeley F-10	100	KGWJ	1200
	500	KVOA	1260	Gunnison H-9	500	KFKA	880
ARKANSAS				Pueblo H-11	50	KFHA	1200
Blytheville I-18	50	KLCN	1290	Trinidad H-10	250	KGHF	1320
Fayetteville I-16	1000	KUOA	1390	Yuma G-11	100	KGIW	1420
Hot Springs J-16	10000	KTHS	1040		50	KGEK	1200
Little Rock J-17	100	KGHI	1200	CONNECTICUT			
	250	KGJF	890	Bridgeport F-26	500	WICC	1190
	1000	KLRA	1390	Hartford E-26-d	50000	WTIC	1060
	500		1250	New Haven F-26-b	500	WDRG	1330
McGehee K-17	50	KGHG	1310	Storrs	250	WCAC	600
Paragould I-17	100	KBTM	1200	DELAWARE			
Siloam Springs I-16	50	KFPW	1340	Wilmington G-25	250	WDEL	1120
CALIFORNIA					100	WILM	1420
Berkeley H-1-a	100	KRE	1370	DISTRICT OF COLUMBIA			
Burbank J-4	500	KELW	780	Washington G-24-c	250	WMAL	630
Culver City K-3	250	KFVD	1000		500	WRC	950
El Centro K-5	100	KXO	1200		100	WOL	1310
Fresno I-3	100	KMJ	1210	FLORIDA			
Hayward H-2	100	KZM	1370	Clearwater N-21	1000	WFLA	620
Hollywood K-3	1000	KFWB	950	Gainesville M-21	5000	WRUF	830
	500	KMTR	570	Jacksonville M-22	1000	WJAX	900
	5000	KNX	1050	Miami O-23	1000	WQAM	560
Holy City I-2	100	KFOU	1420	Miami Beach O-23	1000	WIOD	1300
Inglewood K-4	500	KMIC	1120	Orlando N-22	500	WDBO	1120
Long Beach K-4-a	1000	KFOX	1250	Pensacola L-19	500	WCOA	1340
	1000	KGER	1360	St. Petersburg N-21	1000	WSUN	620
Los Angeles K-3-b	1000	KECA	1430	Tampa N-22-b	1000	WDAE	1220
	500	KEJK	710		100	WMBR	1370
	5000	KFI	640	GEORGIA			
	250	KFQZ	850	Atlanta K-20-a	250	WGST	890
	500	KFSG	1120		5000	WSB	740
	1000	KGEF	1300	Columbus K-20	50	WRBL	1200
	100	KGFJ	1200	Macon K-21	250	WMAZ	890
	1000	KHJ	900	Rome J-20	100	WFDV	1370
	500	KTM	780	Savannah K-22	500	WTOC	1260
Oakland H-1-b	750	KTBI	1300	Tifton L-21	20	WRBI	1310
	500	KFWM	930	Toccoa J-21	500	WTFI	1450
	7500	KGO	790	HAWAII			
	250	KLS	1440	Honolulu	500	KGHB	1320
	500	KLX	880		500	KGMB	1320
	1000	KTAB	560		500	KGU	940
Pasadena J-4	50	KPPC	1210	IDAHO			
	1000	KPSN	1360	Boise D-4	1000	KIDO	1250
Sacramento H-2-a	100	KFBK	1310	Idaho Falls D-7	500	KID	1320
San Bernardino J-3	100	KFXM	1210	Jerome E-5	50	KFXD	1420
San Diego K-4-b	500	KFSD	600	Pocatello E-7	250	KSEI	900
	250	KGB	1330	Sand Point A-4	100	KGKX	1420
San Francisco H-1-c	1000	KFRC	610	Twin Falls E-5	250	KGIQ	1320
	500	KFWI	930				
	50	KGGC	1420				
	100	KJBS	1070				
	5000	KPO	680				
	1000	KYA	1230				
San Jose I-2	500	KQW	1010				

INDEX BY LOCATIONS WITH MAP KEY

ILLINOIS				Ottumwa F-17	100	WIAS	1420
Carthage F-17-e	50	WCAZ	1070	Red Oak F-15	100	KICK	1420
Chicago E-19-g	10000	KFKX	1020	Shenandoah F-15-c	500	KFNF	890
	10000	KYW	1020		500	KMA	930
	500	WAAF	920	Sioux City E-15	1000	KSCJ	1330
	25000	WBBM	770	Waterloo F-17	500	WMT	600
	1000	WCFL	970	KANSAS			
	5000	WCHI	1490	Dodge City H-13	100	KGNO	1210
	100	WCRW	1210	Gueda Springs	250		680
	100	WEDC	1210	Kansas City G-15	100	WLBF	1420
	50000	WENR	870	Lawrence G-15-a	1000	KFKU	1220
	500	WGES	1360		1000	WREN	1220
	25000	WGN	720	Manhattan G-14-a	500	KSAC	580
	1000	WIBO	560	Milford G-14	5000	KFKB	1050
	5000	WJAZ	1490	Topeka G-14	500	WIBW	580
	25000	WJBT	770	Wichita H-14-a	1000	KFH	1300
	50	WKBI	1420	KENTUCKY			
	25000	WLIB	720	Covington G-20	5000	WCKY	1490
	5000	WLS	870	Hopkinsville I-19	1000	WFIW	940
	5000	WMAQ	670	Louisville H-20	10000	WHAS	820
	5000	WMBI	1080		30	WLAP	1200
	5000	WORD	1490	LOUISIANA			
	500	WPCC	560	New Orleans M-17	100	WABZ	1200
	100	WSBC	1210		1000	WDSU	1250
	100	WHFC	1420		100	WJBO	1420
	100	WJBL	1200		30	WJBW	1200
	100	WEHS	1420		500	WSMB	1320
	100	WKBS	1310		5000	WWL	850
	100	WEBQ	1210	Rayne M-17	150		1120
	100	WCLS	1310	Shreveport K-16	50	KRMD	1310
	100	WKBB	1310		1000	KTBS	1450
	100	WJBC	1200		100	KTSL	1310
	20000	WJJD	1130		100	KWEA	1210
	500	WMBD	1440		10000	KWKH	850
	500	WTAD	1440	MAINE			
	500	KFLV	1410	Bangor C-28-b	100	WABI	1200
	100	WHBF	1210		500	WLBZ	620
	100	WCBS	1210	Portland D-28-b	500	WCSH	940
	50	WTAX	1210	MARYLAND			
	100	WDZ	1070	Baltimore G-24-a	10000	WBAL	1060
	250	WILL	890		250	WCAO	600
	5000	WCBD	1080		100	WCBM	1370
INDIANA					250	WFBR	1270
Anderson G-20-a	100	WHBU	1210	Cumberland G-23	50	WTBO	1420
Connersville G-20	100	WKBV	1500	MASSACHUSETTS			
Culver F-19-d	500	WCMA	1400	Boston E-27-c	1000	WBIS	1230
Evansville H-19	500	WGBF	630		500	WBZA	990
Fort Wayne F-20-b	100	WGL	1370		1000	WEEI	590
	10000	WOWO	1160		100	WLOE	1500
Gary F-19	500	WJKS	1360		50	WMES	1500
Hammond F-19	100	WWAE	1200		1000	WNAC	1230
Indianapolis G-19-c	1000	WFBI	1230		500	WSSH	1410
	500	WKBF	1400	Fall River E-27	250	WSAR	1450
Lafayette G-19	500	WBAA	1400	Gloucester E-27	1000	WEPS	830
La Porte F-19-c	100	WRAF	1200	Lexington E-27	500	WLEX	1410
Marion F-20	50	WJAK	1310		100	WLEY	1370
Muncie G-20	50	WLBC	1310		100	WNBH	1310
South Bend F-20-a	500	WSBT	1230	New Bedford E-27	100	WMAF	1410
Terre Haute G-19	100	WBOW	1310	S. Dartmouth E-27	500	WBZ	990
Valparaiso F-19-b	500	WRBC	1240	Springfield E-26-b	15000	WBO	920
IOWA				Wellesley Hills E-27	250	WBOS	920
Ames E-16-c	5000	WOI	640	Worcester E-27-b	100	WORC	1200
Boone E-16	100	KFGQ	1310		250	WTAG	580
Cedar Rapids E-17-a	100	KWCR	1310	MICHIGAN			
Clarinda E-15-c	500	KSO	1380	Battle Creek E-20	50	WKBP	1420
Council Bluffs F-15-b	1000	KOIL	1260	Bay City D-21	500	WBCM	1410
Davenport F-17-a	5000	WOC	1000	Berrien Spgs. E-19	1000	WEMC	590
Decorah D-17	50	KGCA	1270	Calumet B-18	100	WHDF	1370
	100	KWLC	1270				
Des Moines F-16-a	5000	WHO	1000				
Fort Dodge E-16-a	100	KFJY	1310				
Iowa City E-17-b	500	WSUI	880				
Marshalltown E-16-d	100	KFJB	1200				
Muscatine F-17-b	5000	KTNT	1170				

INDEX BY LOCATIONS WITH MAP KEY

Detroit E-21-g	1000	WGHP	1240
	5000	WJR	750
	100	WMBC	1420
	1000	WWJ	920
East Lansing E-20-b	1000	WKAR	1040
Flint E-21-a	100	WDFD	1310
Grand Rapids E-20-a	500	WASH	1270
	500	WOOD	1270
Jackson E-20	100	WIBM	1370
Lapeer E-21	100	WMPC	1500
Ludington D-19	50	WKBZ	1500
Royal Oak E-21-e	50	WAGM	1310
Ypsilanti E-21-f	50	WJBK	1370

MINNESOTA

Fergus Falls B-15	100	KGDE	1200
Hallock A-14	50	KGFK	1200
Minneapolis C-16-b	7500	WCCO	810
	1000	WDGY	1180
	500	WGMS	1250
	500	WHDI	1180
	500	WLB	1250
	1000	WRHM	1250
Northfield D-16	1000	KFMX	1250
	1000	WCAL	1250
St. Paul C-16-c	10000	KSTP	1460

MISSISSIPPI

Greenville K-17	100	WRBQ	1210
Gulfport M-18	100	WGCM	1210
Hattiesburg L-18	10	WRBJ	1370
Jackson L-18	500	WJDX	1270
Meridian L-18	500	WCOC	880
Vicksburg K-17	300	WQBC	1360

MISSOURI

Cp. Girardeau H-18-c	100	KFVS	1210
Columbia G-16-b	500	KFRU	630
Grant City F-15	50	KGIZ	1500
Jefferson City H-16-a	500	WOS	630
Joplin H-16	100	WMBH	1420
Kansas City G-15-b	1000	KMBC	950
	100	KWKC	1370
	1000	WDAF	610
	500	WHB	860
	1000	WOQ	1300
St. Joseph G-15	2500	KFEQ	680
	100	KGBX	1310
St. Louis H-18-a	5000	KFQA	1090
	500	KFUO	550
	100	KFWF	1200
	5000	KMOX	1090
	500	KSD	550
	1000	KWK	1350
	1000	WEW	760
	100	WIL	1200
	100	WMAY	1200

MONTANA

Billings C-8	500	KGHL	950
Butte C-7	500	KGIR	1360
Great Falls A-8	1000	KFBB	1280
Kalispell A-5	100	KGEZ	1310
Wolf Point A-10	100	KG CX	1310

NEBRASKA

Clay Center G-14	1000	KMMJ	740
Lincoln F-14-b	5000	KFAB	770
	100	KFOR	1210
	500	WCAJ	590
Norfolk E-14-c	1000	WJAG	1060
North Platte F-13	500	KG NF	1430
Omaha F-15-a	500	WAAW	660
	1000	WOW	590
Ravenna F-13	100	KGFW	1310
Scottsbluff F-11	100	KGKY	1500
York F-13	500	KGBZ	930

NEVADA

Las Vegas I-5	100	KGIX	1420
Reno G-3	100	KOH	1370

NEW HAMPSHIRE

Laconia D-27	100	WKAV	1310
Tilton D-27	500	WBRL	1430

NEW JERSEY

Asbury Park G-26	500	WCAP	1280
Atlantic City G-25	5000	WPG	1100
Camden F-25-f	500	WCAM	1280
Hackensack F-26	250	WBMS	1450
Jersey City F-26-d	300	WAAT	1070
	250	WIBS	1450
	250	WKBO	1450
Newark F-25-h	1000	WAAM	1250
	250	WGCP	1250
	250	WNJ	1450
	5000	WOR	710
Paterson F-26-c	1000	WODA	1250
Red Bank G-26	100	WJBI	1210
Trenton F-25	500	WOAX	1280

NEW MEXICO

Albuquerque J-9	250	KGGM	1230
Raton I-11	50	KGFL	1370
Roswell K-10	100	KGMD	1500
State College K-9	20000	KOB	1180

NEW YORK

Auburn E-24	100	WMBO	1310
Binghamton E-25	50	WNBF	1500
Brooklyn F-26-f	500	WBBC	1400
	500	WCGU	1400
	500	WLTH	1400
	100	WMBQ	1500
	500	WSGH	1400
Buffalo E-23-a	100	WBBR	1310
	1000	WGR	550
	5000	WKBW	1480
	1000	WKEN	1040
	750	WMAK	900
	1000	WRDA	900
	50	WSV	1370
Canton D-25	500	WCAD	1220
Cazenovia E-25-b	250	WMAC	570
Freeport F-26-l	500	WCGU	1400
Ithaca E-24-d	500	WEAI	1270
	50	WLCI	1210
Jamaica F-26-f	10	WMRJ	1420
Jamestown E-23-b	25	WOCL	1210
Long Island City F-26	100	WL BX	1500
Long Beach F-26	100	WCLB	1500

INDEX BY LOCATIONS WITH MAP KEY

New York City F-26	5000	WABC	860	Steubenville F-22	50	WIBR	1420
	250	WBNY	1350	Toledo F-21-a	500	WSPD	1340
	5000	WBOQ	860	Youngstown F-22	500	WKBN	570
	250	WCDA	1350	OKLAHOMA			
	50000	WEAF	660	Alva I-13	100	KGFF	1420
	500	WEVD	1300	Chickasha J-14-b	250	KOCW	1400
	600	WGBS	600	Elk City J-13	100	KGMP	1210
	1000	WHAP	1300	Enid I-14	100	KCRC	1370
	250	WHN	1010	Norman J-14-a	500	WNAD	1010
	30000	WJZ	760	Oklahoma I-14-b	5000	KFJF	1480
	250	WKBQ	1350		100	KFXR	1310
	5000	WLWL	1100		100	KGFG	1370
	500	WMCA	570		1000	WKY	900
	250	WMSG	1350	Picher I-15	500	KGGF	1010
	500	WNYC	570	Ponca City I-14	100	WBBZ	1200
	1000	WOV	1130	Tulsa I-15	5000	KVOO	1140
	250	WPAP	1010	OREGON			
	500	WPCH	810	Astoria C-1-a	100	KFJI	1370
	250	WQAO	1010	Corvallis D-1	1000	KOAC	550
	250	WRNY	1010	Eugene D-1	100	KORE	1420
Patchogue F-26	100	WPOE	1370	Marshfield E-1	100	KOOS	1370
Poughkeepsie F-26-a	500	WOKO	1440	Medford E-1	50	KMED	1310
Rochester E-24-b	500	WABO	1440	Portland C-1-b	5000	KEX	1180
	5000	WHAM	1150		100	KFIF	1420
	500	WHEC	1440		500	KFJR	1300
Rossville F-26	1000	WBBR	1300		1000	KGW	620
Saranac Lake D-26	50	WNBZ	1290		1000	KOIN	940
Schenectady E-25-c	50000	WGY	790		500	KTBR	1300
Syracuse E-24-c	1000	WFBL	1360		15	KVEP	1500
	250	WSYR	570		500	KWJJ	1060
Troy E-21-a	500	WHAZ	1300		100	KXL	1420
Tupper Lake D-25	10	WHDL	1420	PENNSYLVANIA			
Utica E-25-a	100	WIBX	1200	Adamsburg	100	WGM	940
Woodside F-26	100	WWRL	1500	Allentown F-25-c	250	WCBA	1440
Yonkers E-26	100	WCOH	1210		250	WSAN	1440
NORTH CAROLINA				Altoona F-24-c	100	WFBG	1310
Asheville J-21	1000	WWNC	570	Carbondale F-25	10	WNBW	1200
Charlotte J-22	5000	WBT	1080	Elkins Park G-25-c	50	WIBG	930
Gastonia J-22	100	WRBU	1210	Erie E-23	30	WEDH	1420
Greensboro I-22	500	WNRC	1440		50	WRAK	1370
Raleigh I-23	1000	WPTF	680	Grove City F-23-b	100	WSAJ	1310
Wilmington J-24	100	WRBT	1370	Harrisburg F-24-d	500	WBAK	1430
Winston-Salem I-22	100	WSJS	1310		100	WCOD	1200
NORTH DAKOTA					500	WHP	1430
Bismarck B-12	500	KFYR	550	Jeannette G-23	100	WOOP	840
Devils Lake A-13	100	KDLR	1210	Johnstown F-23-d	100	WJAC	1310
Fargo B-14	1000	WDAY	940	Lancaster G-24-a	15	WGAL	1310
Grand Forks A-14	100	KFJM	1370		100	WKJC	1200
Mandan B-12	100	KGCU	1200	Lewisburg F-24-b	100	WJBU	1210
Minot A-12	100	KLPM	1420	Oil City F-23-a	500	WLBW	1260
OHIO				Philadelphia G-25-d	10000	WCAU	1170
Akron F-22-b	1000	WADC	1320		100	WELK	1370
	500	WFJC	1450		500	WFAN	610
Cambridge F-22	100	WEBC	1210		500	WFI	560
Canton F-22-d	10	WHBC	1200		50	WFKD	1310
Cincinnati G-20-e	100	WFBE	1200		100	WHAT	1310
	500	WKRC	550		500	WIP	610
	50000	WLW	700		500	WLIT	560
	500	WSAI	1330		100	WPEN	1500
Cleveland F-22-a	1000	WEAR	1070		250	WRAX	1020
	1000	WHK	1390	Pittsburgh F-23-c	50000	KDKA	980
	500	WJAY	610		500	KQV	1380
	50000	WTAM	1070		1000	WCAE	1220
Columbus G-21-b	500	WAIU	640		1000	WJAS	1290
	500	WCAH	1430	Reading F-25-d	100	WRAW	1310
	750	WEAO	570	Scranton F-25-a	250	WGBI	880
	50	WMAN	1210		250	WQAN	880
Dayton G-21-e	200	WSMK	1380	State College F-24-a	500	WPSC	1230
Hamilton G-20-d	100	WRK	1310	Washington F-23	100	WNBO	1200
Mansfield F-21	100	WJW	1210	Wilkes-Barre F-25-b	100	WBAX	1210
Mount Orab	100	WHBD	1370		100	WBRE	1310
Springfield G-21-c	500	WCSO	1450	Wilkesburg F-23	100	WMBJ	1500

INDEX BY LOCATIONS WITH MAP KEY

PORTO RICO				
San Juan	500	WKAQ	890	
RHODE ISLAND				
Newport F-27	100	WMBA	1500	
Pawtucket E-27	100	WPAW	1210	
Providence E-27-h	100	WDWF	1210	
	250	WEAN	780	
	250	WJAR	890	
	100	WLSI	1210	
SOUTH CAROLINA				
Charleston K-23	75	WBBY	1200	
	100	WCSC	1310	
Columbia K-22	500	WIS	1010	
Spartanburg J-22	100	WSPA	1420	
SOUTH DAKOTA				
Brookings D-14	500	KFDY	550	
Dell Rapids D-14	50	KGDA	1370	
Oldham D-14	15	KGDY	1200	
Pierre D-12	200	KGFX	580	
Rapid City D-11	100	WCAT	1200	
Sioux Falls D-14	2000	KSOO	1110	
Vermillion E-14-b	500	KUSD	890	
Watertown	100	KGCR	1210	
Yankton E-14-a	1000	WNAX	570	
TENNESSEE				
Bristol I-22	100	WOPI	1500	
Chattanooga J-20	1000	WDOD	1280	
Knoxville I-20	50	WFBC	1200	
	50	WNBK	1310	
	1000	WNOX	560	
Lawrenceburg J-19	500	WOAN	600	
Memphis J-18-a	500	WGBC	1430	
	100	WHBQ	1370	
	500	WMC	780	
	500	WNBR	1430	
	500	WREC	600	
Nashville I-19	5000	WLAC	1470	
	5000	WSM	650	
	5000	WTNT	1470	
Springfield I-19	100	WSIX	1210	
Union City I-18	100	WOBT	1310	
TEXAS				
Abilene K-13	100	KFYO	1420	
Amarillo J-12	1000	KGRS	1410	
	250	WDAG	1410	
Austin L-14-b	500	KTRH	1120	
	100	KUT	1500	
Beaumont M-16	500	KFDM	560	
Brownsville O-14-b	500	KWWG	1260	
Brownwood L-13	100	KGKB	1500	
College Sta. M-13	500	WTAW	1120	
Corpus Christi N-14	100	KGFI	1500	
Dallas L-15-a	10000	KRLD	1040	
	5000	WFAA	800	
	500	WRR	1280	
Dublin K-14	100	KFPL	1310	
El Paso L-10	100	KTSM	1310	
	100	WDAH	1310	
Fort Worth L-14-a	100	KFJZ	1370	
	1000	KSAT	1240	
	5000	WBAP	800	
Galveston M-15-b	100	KFLX	1370	
	500	KFUL	1290	
Greenville K-15	15	KFPM	1310	
Harlingen O-14	500	KRGV	1260	
Houston M-15-a	1000	KPRC	920	
	100	KTUE	1420	
	100	KTLC	1500	
San Angelo M-12	100	KGKL	1370	
San Antonio M-14-a	100	KGCI	1370	
	100	KONO	1370	
	100	KTAP	1420	
	1000	KTSA	1290	
	5000	WOAI	1190	
Waco L-15-b	1000	WACO	1240	
Wichita Falls K-14	250	KGKO	570	
UTAH				
Ogden F-7-b	100	KLO	1370	
Salt Lake City F-7-c	1000	KDYL	1290	
	5000	KSL	1130	
VERMONT				
Burlington D-26-a	100	WCAX	1200	
St. Albans D-26	5	WQDM	1370	
Springfield D-26-b	10	WNBX	1200	
VIRGINIA				
Arlington G-24-d	1000	NAA	690	
Danville I-23	100	WBMT	1370	
Emory	100	WEHC	1370	
Lynchburg H-23	100	WLVA	1370	
	500		590	
Mt. Vernon Hills	10000	WJSV	1460	
Newport News I-24	100	WGH	1310	
Norfolk I-24	500	WPOR	780	
	500	WTAR	780	
Petersburg H-24	100	WLBG	1200	
Richmond H-24	100	WBBL	1210	
	100	WMBG	1210	
	5000	WRVA	1110	
Roanoke H-23	250	WDBJ	930	
WASHINGTON				
Aberdeen B-1	75	KXRO	1310	
Bellingham A-1	100	KVOS	1200	
Everett A-2	50	KFBL	1370	
Lacey B-2-b	10	KGy	1200	
Longview B-1	100	KUJ	1500	
Pullman B-4	500	KWSC	1220	
Seattle B-2-a	100	KFQW	1420	
	5000	KJR	970	
	1000	KOL	1270	
	1000	KOMO	920	
	100	KPCB	1500	
	50	KRSC	1120	
	1000	KFW	1270	
	100	KVL	1370	
	500	KXA	570	
	100	KFIO	1120	
	1000	KFPY	1340	
	5000	KGA	1470	
	1000	KHQ	590	
Tacoma B-1-a	500	KMO	860	
	1000	KVI	760	
Wenatchee B-3	50	KPQ	1500	
Yakima B-3	50	KIT	1310	
WEST VIRGINIA				
Bluefield H-22	100	WHIS	1420	
Charleston H-22	250	WOBV	580	
Fairmont G-23	250	WMMN	890	
Huntington G-22	250	WSAZ	580	
Weirton G-22	60	WQBZ	1420	
Wheeling G-22	5000	WWVA	1160	
WISCONSIN				
Beloit E-18-b	500	WEBW	560	
Eau Claire D-17	1000	WTAQ	1330	
Fond du Lac D-18-d	100	KFIZ	1420	
Green Bay D-19	100	WHBY	1200	
Kenosha E-19	100	WCLO	1200	
La Crosse E-17	1000	WKBH	1380	
Madison E-18-2	750	WHA	940	
	100	WIBA	1210	
	100	WOMT	1210	
Manitowoc D-19	100	WHAD	1120	
Milwaukee E-19-a	250	WISN	1120	
	250	WTMJ	620	
	1000			

INDEX BY LOCATIONS WITH MAP KEY

Poynette D-18-e	100	WIBU	1310
Racine E-19	100	WRJN	1370
Sheboygan C-18	500	WHBL	1410
Stevens Pt. D-18-b	2000	WLBL	900
Superior B-17	1000	WEBC	1290

WYOMING

Casper	100	KDFN	1210
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CANADA

ALBERTA

Calgary	500	CFAC	690
	500	CFCN	690
	500	CHCA	690
	500	CJCJ	690
	500	CNRC	690
Edmonton	250	CHMA	580
	500	CJCA	580
	500	CKUA	580
	500	CNRE	580
Lethbridge	50	CJOC	1120
Red Deer	1000	CHCT	840
	1000	CKLC	840
	1000	CNRD	840

BRITISH COLUMBIA

Chilliwack	5	CHWK	1210
Kamloops	15	CFJC	1120
Sea Island	50	CJOR	1030
Vancouver	50	CHLS	730
	50	CKCD	730
	50	CKFC	730
	50	CKMO	730
	100	CKWX	730
	500	CNRV	1030
Victoria	500	CFCT	630

MANITOBA

Brandon	500	CKX	540
Winnipeg	5000	CKY	780
	5000	CNRW	780

NEW BRUNSWICK

Fredericton	50	CFNB	1210
Moncton	500	CNRA	630
St. John	50	CFBO	890

NOVA SCOTIA

Halifax	500	CHNS	930
Louisburg	500	VAS	690
Sydney	50	CJCB	880
Wolfville	50	CKIC	930

ONTARIO

Chatham	100	CFCO	1210
Cobalt	15	CKMC	1210
Hamilton	10	CHCS	880
	50	CHML	880
	50	CKOC	880
Iroquois Falls	250	CFCH	600
Kingston	500	CFRC	930
London	500	CJGC	910
	500	CNRL	910
Midland	50	CKPR	930
Ottawa	100	CKCO	890
	500	CNRO	600
Prescott	50	CFLC	1010
Preston	25	CKPC	1210
Toronto	500	CFCA	840
	500	CFCL	580
	4000	CFRB	960
	500	CJSC	580
Toronto	500	CKCL	580

	5000	CKGW	690
	500	CKNC	580
	500	CKOW	840
	500	CNRT	840
	5000	CNRX	690
Waterloo	50	CKCR	1010

PRINCE EDWARD ISLAND

Charlottetown	250	CFCY	960
	30	CHCK	960
Summerside	25	CHGS	1120

QUEBEC

Montreal	1650	CFCF	1030
	5000	CHYC	730
	5000	CKAC	730
	5000	CNRM	730
Quebec	100	CHRC	880
	22	CKCI	880
	50	CKCV	880
	50	CNRQ	880
St. Hyacinthe	50	CKSH	1010

SASKATCHEWAN

Fleming	500	CJRW	600
Moose Jaw	500	CJRM	600
Pilot Butte	500	CHWC	960
Regina	500	CFCR	960
	500	CJBR	960
	500	CKCK	960
	500	CNRR	960
Saskatoon	500	CFQC	910
	250	CJHS	910
	500	CNRS	910
Yorkton	500	CJGX	630

HAITI

Port au Prince	1000	HHK	920
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MEXICO

Chihuahua	250	XFF	920
C. Lerdo, Dgo.	250	XES	1200
Guadalajara, Jal.	101	XEA	1200
Jalapa, Ver.	350	XFC	630
Merida, Yucatan	105	XEY	550
Mexico City	1000	XEB	670
	1000	XEN	730
	500	XEX	920
	50	XFA	540
	2000	XFG	640
	1000	XFI	590
	1000	XFX	910
	1000	XEH	970
Monterrey, N. L.	101	XEI	1000
Morelia, Mich.	101	XEF	1130
Oaxaca, Oax.	105	XEB	960
Pueblo, Pue.	101		

CUBA

Caibarien	250	CMHD	920
Cienfuegos	200	CMHA	1150
Colon	300	CMGA	830
Havana	100	CMBC	890
	200	CMBY	610
	100	CMBZ	1030
	500	CMC	840
	150	CMCB	950
	100	CMCE	1100
	250	CMCF	640
	500	CMI	820
	2000	CMK	730
	1000	CMW	600
	500	CMX	920
Marianao	50	CMBW	1030
Tuinucu	500	CMHC	790

COSTA RICA

San Jose	50	TIX	750
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CFAC 690				CJRM 600				CMII 820			
Calgary, Alta.				Moose Jaw, Sask.				Havana, Cuba			
CFBO 890				CJRW 600				CMK 730			
St. John, N. B.				Fleming, Sask.				Havana, Cuba			
CFCA 840				CJSC 580				CMW 600			
Toronto, Ont.				Toronto, Ont.				Havana, Cuba			
CFCF 1030				CKAC 730				CMX 920			
Montreal, Que.				CKCD 730				Havana, Cuba			
CFCH 600				Vancouver, B.C.				CNRA 630			
Iroq's Falls, Ont.				CKCI 880				Moncton, N.B.			
CFCL 580				Quebec, Que.				CNRC 690			
Toronto, Ont.				CKCK 960				Calgary, Alta.			
CFCN 690				Regina, Sask.				CNRD 840			
Calgary, Alta.				CKCL 580				Red Deer, Alta.			
CFCO 1210				Toronto, Ont.				CNRE 580			
Chatham, Ont.				CKCO 890				Edmonton, Alta.			
CFCR 960				Ottawa, Ont.				CNRL 910			
Regina, Sask.				CKCR 1010				London, Ont.			
CFCT 630				Waterloo, Ont.				CNRM 730			
Victoria, B. C.				CKCV 880				Montreal, Que.			
CFCY 960				Quebec, Que.				CNRO 600			
Ch'lottet'n, P.E.I.				CKFC 730				Ottawa, Ont.			
CFJC 1120				Vancouver, B.C.				CNRQ 880			
Kamloops, B. C.				CKGW 690				Quebec, Que.			
CFLC 1010				Toronto, Ont.				CNRR 960			
Prescott, Ont.				CKIC 930				Regina, Sask.			
CFNB 1210				Wolfville, N.S.				CNRS 910			
Fredericton, N.B.				CKLC 840				Saskatoon, Sask.			
CFQC 910				Red Deer, Alta.				CNRT 840			
Saskatoon, Sask.				CKMC 1210				Toronto, Ont.			
CFRB 960				Cobalt, Ont.				CNRV 1030			
Toronto, Ont.				CKMO 730				Vancouver, B.C.			
CFRC 930				Vancouver, B.C.				CNRW 780			
Kingston, Ont.				CKNC 580				Winnipeg, Man.			
CHCA 690				Toronto, Ont.				CNRX 690			
Calgary, Alta.				CKOC 880				Toronto, Ont.			
CHCK 960				Hamilton, Ont.				HHK 920			
Ch'lottet'n, P.E.I.				CKOW 840				Port au Prince, H.			
CHCS 880				Toronto, Ont.				KBTM 1200			
Hamilton, Ont.				CKPC 1210				Paragould, Ark.			
CHCT 840				Preston, Ont.				KCRC 1370			
Red Deer, Alta.				CKPR 930				Enid, Okla.			
CHGS 1120				Midland, Ont.				KDB 1500			
Sum'rside, P.E.I.				CKSH 1010				S. Barbara, Cal.			
CHLS 730				St. H'cinthe, Que.				KDFN 1210			
Vancouver, B.C.				CKUA 580				Casper, Wyo.			
CHMA 580				Edmonton, Alta.				KDKA 980			
Edmonton, Alta.				CKWX 730				Pittsburgh, Pa.			
CHML 880				Vancouver, B.C.				KDLR 1210			
Hamilton, Ont.				CKX 540				Devils Lake, N.D.			
CHNS 930				Brandon, Man.				KDYL 1290			
Halifax, N.S.				CKY 780				Salt Lake City			
CHRC 880				Winnipeg, Man.				KECA 1430			
Quebec, Que.				CMBC 890				Los Angeles, Cal.			
CHWC 960				Havana, Cuba				KEJK 710			
Pilot Butte, Sask.				CMBW 1030				Los Angeles, Cal.			
CHWK 1210				Marianao, Cuba				KELW 780			
Chilliwack, B.C.				CMBY 610				Burbank, Cal.			
CHYC 730				Havana, Cuba				KEX 1180			
Montreal, Que.				CMBZ 1030				Portland, Ore.			
CJBR 960				Havana, Cuba				KFAB 770			
Regina, Sask.				CMC 840				Lincoln, Nebr.			
CJCA 580				Havana, Cuba				KFBB 1280			
Edmonton, Alta.				CMCB 950				Great Fls., Mont.			
CJCB 880				Havana, Cuba				KFBK 1310			
Syndey, N.S.				CMCE 1100				Sacramento, Cal.			
CJCJ 690				Havana, Cuba				KFBL 1370			
Calgary, Alta.				CMCF 640				Everett, Wash.			
CJGC 910				Havana, Cuba				KFDM 560			
London, Ont.				CMGA 830				Beaumont, Tex.			
CJGX 630				Colon, Cuba				KFDY 550			
Yorkton, Sask.				CMHA 1150				Brookings, S.D.			
CJHS 910				Cienfuegos, Cuba				KFEL 920			
Saskatoon, Sask.				CMHC 790				Denver, Colo.			
CJOC 1120				Tuinucu, Cuba				KFEQ 680			
Lethbridge, Alta.				CMHD 920				St. Joseph, Mo.			
CJOR 1030				Caibarien, Cuba				KFGQ 1310			
Sea Island, B.C.								Boone, Iowa			

KFH 1300			KFUO 550			KGfJ 1200		
Wichita, Kansas			St. Louis, Mo.			Los Angeles, Cal.		
KFHA 1200			KFUP 1310			KGfK 1200		
Gunnison, Colo.			Denver, Colo.			Hallock, Minn.		
KFI 640			KFVD 1000			KGfL 1370		
Los Angeles, Cal.			Culver City, Cal.			Raton, N.M.		
KFIF 1420			KFVS 1210			KGfW 1310		
Portland, Ore.			Cape Gir'rd'u, Mo.			Ravenna, Nebr.		
KFIO 1120			KFWB 950			KGfX 580		
Spokane, Wash.			Hollywood, Cal.			Pierre, S.D.		
KFIU 1310			KFWF 1200			KGgC 1420		
Juneau, Alaska			St. Louis, Mo.			San F'ncisco, Cal.		
KFIZ 1420			KFWI 930			KGgF 1010		
Fond du Lac, Wis.			San F'ncisco, Cal.			Picher, Okla.		
KFJB 1200			KFWM 930			KGgM 1230		
Marshalltown, Ia.			Oakland, Cal.			Alb'q'rque, N.M.		
KFJF 1480			KFXD 1420			KGHB 1320		
Oklahoma City			Jerome, Idaho			Honolulu, T.H.		
KFJI 1370			KFXF 920			KGfH 1320		
Astoria, Ore.			Denver, Colo.			Pueblo, Colo.		
KFJM 1370			KFXJ 1310			KGHG 1310		
Grd. Forks, N.D.			Edgewater, Colo.			McGehee, Ark.		
KFJR 1300			KFXM 1210			KGHI 1200		
Portland, Ore.			San Ber'd'no, Cal.			Little Rock, Ark.		
KFJY 1310			KFXR 1310			KGHL 950		
Fort Dodge, Ia.			Oklahoma City			Billings, Mont.		
KFJZ 1370			KFXy 1420			KGiQ 1320		
Ft. Worth, Tex.			Flagstaff, Ariz.			Twin Falls, Ida.		
KFKA 880			KFYO 1420			KGIR 1360		
Greeley, Colo.			Abilene, Texas			Butte, Mont.		
KFKB 1050			KFYR 550			KGiW 1420		
Milford, Kansas			Bismarck, N.D.			Trinidad, Colo.		
KFKU 1220			KGA 1470			KGIX 1420		
Lawrence, Kans.			Spokane, Wash.			Las Vegas, Nev.		
KFKX 1020			KGAR 1370			KGIZ 1500		
Chicago, Ill.			Tucson, Ariz.			Grant City, Mo.		
KFLV 1410			KGB 1330			KGJF 890		
Rockford, Ill.			San Diego, Cal.			Little Rock, Ark.		
KFLX 1370			KGBU 900			KGKB 1500		
Galveston, Tex.			Ketchikan, Al'ka.			Brownwood, Tex.		
KPMX 1250			KGBX 1310			KGKL 1370		
N'thfield, Minn.			St. Joseph, Mo.			San Angelo, Tex.		
KPNF 890			KGBZ 930			KGKO 570		
Shenandoah, Ia.			York, Nebr.			Wichita Flls., Tex		
KFOR 1210			KGCA 1270			KGKX 1420		
Lincoln, Nebr.			Decorah, Iowa			Sand Point, Ida.		
KFOX 1250			KGCI 1370			KGKY 1500		
Long Beach, Cal.			San Ant'nio, Tex.			Scottsbluff, Nebr.		
KFPL 1310			KGCR 1210			KGMB 1320		
Dublin, Texas			Watertown, S.D.			Honolulu, T. H.		
KFPM 1310			KGCU 1200			KGMC 1310		
Greenville, Tex.			Mandan, N.D.			Jerome, Ariz.		
KFPW 1340			KGcX 1310			KGMD 1500		
Siloam Spgs., Ark.			Wolf P't, Mont.			Roswell, N. M.		
KFPY 1340			KGDA 1370			KGMP 1210		
Spokane, Wash.			Dell Rapids, S.D.			Elk City, Okla.		
KFQA 1090			KGDE 1200			KGnf 1430		
St. Louis, Mo.			Ferg's F'lls, Minn			No. Platte, Neb.		
KFQD 1230			KGDM 1100			KGNO 1210		
Anchorage, Alas.			Stockton, Cal.			DodgeCity, Kans.		
KFQU 1420			KGdY 1200			KGO 790		
Holy City, Cal.			Oldham, S.D.			Oakland, Cal.		
KFQW 1420			KGef 1300			KGRS 1410		
Seattle, Wash.			Los Angeles, Cal.			Amarillo, Texas		
KFQZ 860			KGek 1200			KGU 940		
Los Angeles, Cal.			Yuma, Colo.			Honolulu, Hawaii		
KFRC 610			KGER 1360			KGW 620		
San F'ncisco, Cal.			Long Beach, Cal.			Portland, Ore.		
KFRU 630			KGew 1200			KGy 1200		
Columbia, Mo.			Ft. Morgan, Colo.			Lacey, Wash.		
KFSD 600			KGez 1310			KHJ 900		
San Diego, Cal.			Kalispell, Mont.			Los Angeles, Cal.		
KFSG 1120			KGff 1420			KHQ 590		
Los Angeles, Cal.			Alva, Okla.			Spokane, Wash.		
KFUL 1290			KGfG 1370			KICK 1420		
Galveston, Tex.			Oklahoma City			Red Oak, Iowa		
KFUM 1270			KGfI 1500					
Col. Spgs., Colo.			C'pus Ch'sti, Tex.					

KID 1320				KPPC 1210				KUJ 1500			
Idaho Falls, Ida.				Pasadena, Cal.				Longview, Wash.			
KIDO 1250				KPQ 1500				KUOA 1390			
Boise, Idaho				Wenatchee, Wash.				Fayetteville, Ark.			
KIT 1310				KPRC 920				KUSD 890			
Yakima, Wash.				Houston, Texas				Vermillion, S.D.			
KJBS 1070				KPSN 1360				KUT 1500			
San F'ncisco, Cal.				Pasadena, Cal.				Austin, Texas			
KJR 970				KPWF 1490				KVEP 1500			
Seattle, Wash.				Westminster, Cal.				Portland, Ore.			
KLCN 1290				KQV 1380				KVI 760			
Blytheville, Ark.				Pittsburgh, Pa.				Tacoma, Wash.			
KLO 1370				KQW 1010				KVL 1370			
Ogden, Utah				San Jose, Cal.				Seattle, Wash.			
KLPM 1420				KRE 1370				KVOA 1260			
Minot, N. Dak.				Berkeley, Cal.				Tucson, Arizona			
KLRA 1390				KREG 1500				KVOO 1140			
Little Rock, Ark.				Santa Ana, Cal.				Tulsa, Okla.			
KLS 1440				KRGV 1260				KVOS 1200			
Oakland, Cal.				Harlingen, Texas				Bellingh'm, Wash.			
KLX 880				KRLD 1040				KWCR 1310			
Oakland, Cal.				Dallas, Texas				Cedar Rapids, Ia.			
KLZ 560				KRMD 1310				KWEA 1210			
Denver, Colo.				Shreveport, La.				Shreveport, La.			
KMA 930				KRSC 1120				KWG 1200			
Shenandoah, Ia.				Seattle, Wash.				Stockton, Cal.			
KMBC 950				KSAC 580				KWJJ 1060			
Kan. City, Mo.				Manh'tt'n, Kans.				Portland, Ore.			
KMED 1310				KSAT 1240				KWK 1350			
Medford, Ore.				Ft. Worth, Tex.				St. Louis, Mo.			
KMIC 1120				KSCJ 1330				KWKC 1370			
Inglewood, Cal.				Sioux City, Ia.				Kansas City, Mo.			
KMJ 1210				KSD 550				KWKH 850			
Fresno, Cal.				St. Louis, Mo.				Shreveport, La.			
KMMJ 740				KSEI 900				KWLC 1270			
Clay Ctr., Nebr.				Pocatello, Idaho				Decorah, Iowa			
KMO 860				KSL 1130				KWSC 1220			
Tacoma, Wash.				Salt Lake City				Pullman, Wash.			
KMOX 1090				KSMR 1200				KWWG 1260			
St. Louis, Mo.				Santa Maria, Cal.				Brownsville, Tex.			
KMTR 570				KSO 1380				KXA 570			
Hollywood, Cal.				Clarinda, Iowa				Seattle, Wash.			
KNX 1050				KSOO 1110				KXL 1420			
Los Angeles, Cal.				Sioux Falls, S.D.				Portland, Ore.			
KOA 830				KSTP 1460				KXO 1200			
Denver, Colo.				St. Paul, Minn.				El Centro, Cal.			
KOAC 550				KTAB 560				KXRO 1310			
Corvallis, Ore.				Oakland, Cal.				Aberdeen, Wash.			
KOB 1180				KTAP 1420				KYA 1230			
State Coll., N.M.				San Antonio, Tex.				San F'ncisco, Cal.			
KOCW 1400				KTAR 620				KYW 1020			
Chickasha, Okla.				Phoenix, Ariz.				Chicago, Ill.			
KOH 1370				KTBI 1300				KZM 1370			
Reno, Nevada				Los Angeles, Cal.				Hayward, Cal.			
KOIL 1260				KTBR 1300				NAA 690			
Council Bluffs, Ia.				Portland, Ore.				Arlington, Va.			
KOIN 940				KTBS 1450				NBA 850			
Portland, Ore.				Shreveport, La.				Balboa, C. Z.			
KOL 1270				KTHS 1040				TIX 750			
Seattle, Wash.				Hot Spgs., Ark.				San Jose, C. R.			
KOMO 920				KTLC 1500				VAS 690			
Seattle, Wash.				Houston, Texas				Louisburg, N. S.			
KONO 1370				KTM 780				WAAF 920			
San Antonio, Tex.				Los Angeles, Cal.				Chicago, Ill.			
KOOS 1370				KTNT 1170				WAAM 1250			
Marshfield, Ore.				Muscatine, Iowa				Newark, N. J.			
KORE 1420				KTRH 1120				WAAT 1070			
Eugene, Ore.				Austin, Texas				Jersey City, N.J.			
KOY 1390				KTSA 1290				WAAW 660			
Phoenix, Ariz.				San Antonio, Tex.				Omaha, Nebr.			
KPCB 1500				KTSL 1310				WABC 860			
Seattle, Wash.				Shreveport, La.				New York City			
KPJM 1500				KTSM 1310				WABI 1200			
Prescott, Ariz.				El Paso, Texas				Bangor, Maine			
KPO 680				KTUE 1420				WABO 1440			
San F'ncisco, Cal.				Houston, Texas				Rochester, N.Y.			
KPOF 880				KTW 1270				WABZ 1200			
Denver, Colo.				Seattle, Wash.				New Orleans, La.			

WACO 1240	WACO, Texas	WCAP 1280	Asbury Pk., N.J.	WDWF 1210	Providence, R.I.
WADC 1320	Akron, Ohio	WCAT 1200	Rapid City, S.D.	WDZ 1070	Tuscola, Ill.
WAGM 1310	Royal Oak, Mich.	WCAU 1170	Philadelphia, Pa.	WEAF 660	New York City
WAIU 640	Columbus, Ohio	WCAX 1200	Burlington, Vt.	WEAI 1270	Ithaca, N.Y.
WAPI 1140	Birmingham, Ala.	WCAZ 1070	Carthage, Ill.	WEAN 780	Providence, R.I.
WASH 1270	Gr. Rapids, Mich.	WCBA 1440	Allentown, Pa.	WEAO 570	Columbus, Ohio
WBAA 1400	Lafayette, Ind.	WCBD 1080	Zion, Ill.	WEAR 1070	Cleveland, Ohio
WBAK 1430	Harrisburg, Pa.	WCBM 1370	Baltimore, Md.	WEBC 1290	Superior, Wis.
WBAL 1060	Baltimore, Md.	WCBS 1210	Springfield, Ill.	WEBE 1210	Cambridge, Ohio
WBAP 800	Fort Worth, Tex.	WCCO 810	Minneap., Minn.	WEBQ 1210	Harrisburg, Ill.
WBAX 1210	Wilkes-Barre, Pa.	WCDA 1350	New York City	WEBR 1310	Buffalo, N.Y.
WBBC 1400	Brooklyn, N.Y.	WCFL 970	Chicago, Ill.	WEBW 560	Beloit, Wis.
WBBL 1210	Richmond, Va.	WCGU 1400	Brooklyn, N.Y.	WEDC 1210	Chicago, Ill.
WBBM 770	Chicago, Ill.	WCHI 1490	Chicago, Ill.	WEDH 1420	Erie, Pa.
WBBR 1300	Rossville, N.Y.	WCKY 1490	Covington, Ky.	WEEI 590	Boston, Mass.
WBBY 1200	Charleston, S.C.	WCLB 1500	Long Beach, N.Y.	WEHC 1370	Emory, Va.
WBBZ 1200	Ponca City, Okla.	WCLO 1200	Kenosha, Wis.	WEHS 1420	Evanston, Ill.
WBCM 1410	Bay City, Mich.	WCLS 1310	Joliet, Ill.	WELK 1370	Philadelphia, Pa.
WBIS 1230	Boston, Mass.	WCMA 1400	Culver, Ind.	WEMC 590	Ber'n Spgs., Mich.
WBMS 1450	Hackensack, N.J.	WCOA 1340	Pensacola, Fla.	WEPS 830	Gloucester, Mass.
WBNY 1350	New York City	WCOC 880	Meridian, Miss.	WENR 870	Chicago, Ill.
WBOQ 860	New York City	WCOD 1200	Harrisburg, Pa.	WEVD 1300	New York City
WBOW 1310	Terre Haute, Ind.	WCOH 1210	Yonkers, N.Y.	WEW 760	St. Louis, Mo.
WBRC 930	Birmingham, Ala.	WCRW 1210	Chicago, Ill.	WFAA 800	Dallas, Texas
WBRE 1310	Wilkes-Barre, Pa.	WCSC 1310	Charleston, S.C.	WFAN 610	Philadelphia, Pa.
WBRL 1430	Tilton, N.H.	WCSH 940	Portland, Maine	WFBC 1200	Knoxville, Tenn.
WBSO 920	Well't'yH'ls, Mass.	WCSSO 1450	Springfield, Ohio	WFBE 1200	Cincinnati, Ohio
WBT 1080	Charlotte, N.C.	WDAE 1220	Tampa, Fla.	WFBG 1310	Altoona, Pa.
WBTM 1370	Danville, Va.	WDAF 610	Kansas City, Mo.	WFBL 1360	Syracuse, N.Y.
WBZ 990	Springfield, Mass.	WDAG 1410	Amarillo, Texas	WFBM 1230	Indianapolis, Ind.
WBZA 990	Boston, Mass.	WDAH 1310	El Paso, Texas	WFBR 1270	Baltimore, Md.
WCAC 600	Storrs, Conn.	WDAY 940	Fargo, N.D.	WFDF 1310	Flint, Mich.
WCAD 1220	Canton, N.Y.	WDBJ 930	Roanoke, Va.	WFDV 1370	Rome, Ga.
WCAE 1220	Pittsburgh, Pa.	WDBO 1120	Orlando, Fla.	WFDW 1420	Talladega, Ala.
WCAH 1430	Columbus, Ohio	WDEL 1120	Wilmington, Del.	WFI 560	Philadelphia, Pa.
WCAJ 590	Lincoln, Nebr.	WDGY 1180	Minneap., Minn.	WFIW 940	Hopkinsville, Ky.
WCAL 1250	Northfield, Minn.	WDOD 1280	Chattan'ga, Tenn.	WFJC 1450	Akron, Ohio
WCAM 1280	Camden, N.J.	WDRC 1330	N. Haven, Conn.	WFKD 1310	Philadelphia, Pa.
WCAO 600	Baltimore, Md.	WDSU 1250	New Orleans, La.	WFLA 620	Clearwater, Fla.

WGAL 1310 Lancaster, Pa.				WHIS 1420 Bluefield, W. Va.				WJBW 1200 New Orleans, La.			
WGBB 1210 Freeport, N.Y.				WHK 1390 Cleveland, Ohio				WJBY 1210 Gadsden, Ala.			
WGBC 1430 Memphis, Tenn.				WHN 1010 New York City				WJDJ 1270 Jackson, Miss.			
WGBF 630 Evansville, Ind.				WHO 1000 Des Moines, Ia.				WJJD 1130 Mooseheart, Ill.			
WGBI 880 Scranton, Pa.				WHP 1430 Harrisburg, Pa.				WJKS 1360 Gary, Ind.			
WGBS 600 New York City				WIAS 1420 Ottumwa, Iowa				WJR 750 Detroit, Mich.			
WGCM 1210 Gulfport, Miss.				WIBA 1210 Madison, Wis.				WJSV 1460 Mt. Vern. H'ls, Va.			
WGCP 1250 Newark, N.J.				WIBG 930 Elkins Park, Pa.				WJW 1210 Mansfield, Ohio			
WGES 1360 Chicago, Ill.				WIBM 1370 Jackson, Mich.				WJZ 760 New York City			
WGH 1310 Newp't News, Va.				WIBO 560 Chicago, Ill.				WKAQ 890 San Juan, P.R.			
WGHP 1240 Detroit, Mich.				WIBR 1420 Steubenville, O.				WKAR 1040 E. Lansing, Mich.			
WGL 1370 Ft. Wayne, Ind.				WIBS 1450 Jersey City, N.J.				WKAV 1310 Laconia, N.H.			
WGM 840 Adamsburg, Pa.				WIBU 1310 Poynette, Wis.				WKBB 1310 Joliet, Ill.			
WGMS 1250 Minneap., Minn.				WIBW 580 Topeka, Kansas				WKBC 1310 Birmingham, Ala.			
WGN 720 Chicago, Ill.				WIBX 1200 Utica, N.Y.				WKBF 1400 Indianapolis, Ind.			
WGR 550 Buffalo, N.Y.				WICC 1190 Bridgeport, Conn.				WKBH 1380 La Crosse, Wis.			
WGST 890 Atlanta, Ga.				WIL 1200 St. Louis, Mo.				WKBI 1420 Chicago, Ill.			
WGY 790 Schnee'd'y, N.Y.				WILL 890 Urbana, Ill.				WKBN 570 Youngstown, O.			
WHA 940 Madison, Wis.				WILM 1420 Wilmington, Del.				WKBO 1450 Jersey City, N.J.			
WHAD 1120 Milwaukee, Wis.				WIOD 1300 Miami Bch., Fla.				WKBP 1420 Battle Crk., Mich.			
WHAM 1150 Rochester, N.Y.				WIP 610 Philadelphia, Pa.				WKBQ 1350 New York City			
WHAP 1300 New York City				WIS 1010 Columbia, S. C.				WKBS 1310 Galesburg, Ill.			
WHAS 820 Louisville, Ky.				WISN 1120 Milwaukee, Wis.				WKBV 1500 Connersville, Ind.			
WHAT 1310 Philadelphia, Pa.				WJAC 1310 Johnstown, Pa.				WKBW 1480 Buffalo, N.Y.			
WHAZ 1300 Troy, N.Y.				WJAG 1060 Norfolk, Nebr.				WKBZ 1500 Ludington, Mich.			
WHB 860 Kansas City, Mo.				WJAK 1310 Marion, Ind.				WKEN 1040 Buffalo, N.Y.			
WHBC 1200 Canton, Ohio				WJAR 890 Providence, R.I.				WKJC 1200 Lancaster, Pa.			
WHBD 1370 Mt. Orab, O.				WJAS 1290 Pittsburgh, Pa.				WKRC 550 Cincinnati, O.			
WHBF 1210 Rock Island, Ill.				WJAX 900 Jacksonville, Fla.				WKY 900 Oklahoma City			
WHBL 1410 Sheboygan, Wis.				WJAY 610 Cleveland Ohio				WLAC 1470 Nashville, Tenn.			
WHBQ 1370 Memphis, Tenn.				WJAZ 1490 Chicago, Ill.				WLAP 1200 Louisville, Ky.			
WHBU 1210 Anderson, Ind.				WJBC 1200 La Salle, Ill.				WLB 1250 Minneap., Minn.			
WHBY 1200 Green Bay, Wis.				WJBI 1210 Red Bank, N. J.				WLBC 1310 Muncie, Ind.			
WHDF 1370 Calumet, Mich.				WJBK 1370 Ypsilanti, Mich.				WLBF 1420 Kansas City, Ks.			
WHDI 1180 Minneap., Minn.				WJBL 1200 Decatur, Ill.				WLBG 1200 Ettrick, Va.			
WHDL 1420 TupperLake, N.Y.				WJBO 1420 New Orleans, La.				WLBL 900 Stevens Pt., Wis.			
WHEC 1440 Rochester, N.Y.				WJBT 770 Chicago, Ill.				WLBW 1260 Oil City, Pa.			
WHFC 1420 Cicero, Ill.				WJBU 1210 Lewisburg, Pa.				WLBX 1500 L.I. City, N.Y.			

WLBZ 620 Bangor, Me.	WMT 600 Waterloo, Iowa	WOW 590 Omaha, Nebr.
WLCI 1210 Ithaca, N.Y.	WNAC 1230 Boston, Mass.	WOWO 1160 Ft. Wayne, Ind.
WLEX 1410 Lexington, Mass.	WNAD 1010 Norman, Okla.	WPAP 1010 New York City
WLEY 1370 Lexington, Mass.	WNAX 570 Yankton, S.D.	WPAW 1210 Pawtucket, R.I.
WLIB 720 Chicago, Ill.	WNBK 1500 Bingh'mt'n, N.Y.	WPCC 560 Chicago, Ill.
WLIT 560 Philadelphia, Pa.	WNBH 1310 New B'df'd, Mass.	WPCH 810 New York City
WLOE 1500 Boston, Mass.	WNBK 1310 Knoxville, Tenn.	WPEN 1500 Philadelphia, Pa.
WLS 870 Chicago, Ill.	WNBO 1200 Washington, Pa.	WPG 1100 Atl'ntic City, N.J.
WLSI 1210 Providence, R.I.	WNBR 1430 Memphis, Tenn.	WPOE 1370 Patchogue, N.Y.
WLTH 1400 Brooklyn, N.Y.	WNBW 1200 Carbondale, Pa.	WPOR 780 Norfolk, Va.
WLVA 1370 Lynchburg, Va.	WNBX 1200 Springfield, Vt.	WPSC 1230 State College, Pa.
WLW 700 Cincinnati, Ohio	WNBZ 1290 SaranacL'ke, N.Y.	WPTF 680 Raleigh, N.C.
WLWL 1100 New York City	WNJ 1450 Newark, N.J.	WQAM 560 Miami, Fla.
WMAC 570 Cazenovia, N.Y.	WNOX 560 Knoxville, Tenn.	WQAN 880 Scranton, Pa.
WMAF 1410 S.D'rtm'th, Mass.	WNRC 1440 Greensboro, N.C.	WQAO 1010 New York City
WMAK 900 Buffalo, N.Y.	WNYC 570 New York City	WQBC 1360 Vicksburg, Miss.
WMAL 630 Washington, D.C.	WOAI 1190 San Antonio, Tex.	WQBZ 1420 Weirton, W.Va.
WMAN 1210 Columbus, Ohio	WOAN 600 Law'nceb'g, Tenn	WQDM 1370 St. Albans, Vt.
WMAQ 670 Chicago, Ill.	WOAX 1280 Trenton, N.J.	WRAF 1200 La Porte, Ind.
WMAY 1200 St. Louis, Mo.	WOBT 1310 Union City, Tenn	WRAK 1370 Erie, Pa.
WMAZ 890 Macon, Ga.	WOBV 580 Charlest'n, W.Va.	WRAW 1310 Reading, Pa.
WMBA 1500 Newport, R.I.	WOC 1000 Davenport, Iowa	WRAX 1020 Philadelphia, Pa.
WMBC 1420 Detroit, Mich.	WOCL 1210 Jamestown, N.Y.	WRBI 1310 Tifton, Ga.
WMBD 1440 Peoria Hghts., Ill.	WODA 1250 Paterson, N.J.	WRBJ 1370 Hattiesburg, Miss.
WMBG 1210 Richmond, Va.	WODX 1410 Mobile, Ala.	WRBL 1200 Columbus, Ga.
WMBH 1420 Joplin, Mo.	WOI 640 Ames, Iowa	WRBQ 1210 Greenville, Miss.
WMBI 1080 Chicago, Ill.	WOKO 1440 P'ghkeepsie, N.Y.	WRBT 1370 Wilmington, N.C.
WMBJ 1500 Wilkinsburg, Pa.	WOL 1310 Washington, D.C.	WRBU 1210 Gastonia, N.C.
WMBO 1310 Auburn, N.Y.	WOMT 1210 Manitowoc, Wis.	WRC 950 Washington, D.C.
WMBQ 1500 Brooklyn, N.Y.	WOOD 1270 Gr. Rapids, Mich.	WRDA 900 Buffalo, N.Y.
WMBR 1370 Tampa, Fla.	WOOP 840 Jeannette, Pa.	WREC 600 Memphis, Tenn.
WMC 780 Memphis, Tenn.	WOPI 1500 Bristol, Tenn.	WREN 1220 Lawrence, Kans.
WMCA 570 New York City	WOQ 1300 Kansas City, Mo.	WRHM 1250 Minneap., Minn.
WMES 1500 Boston, Mass.	WOR 710 Newark, N.J.	WRJN 1370 Racine, Wis.
WMMN 890 Fairmont, W.Va.	WORC 1200 Worcester, Mass.	WRK 1310 Hamilton, Ohio
WMPC 1500 Lapeer, Mich	WORD 1490 Chicago, Ill.	WRNY 1010 New York City
WMRJ 1420 Jamaica, N.Y.	WOS 630 Jeff's'n City, Mo.	WRR 1280 Dallas, Texas
WMSG 1350 New York City	WOV 1130 New York City	WRUF 830 Gainesville, Fla.
		WRVA 1110 Richmond, Va.

WSAI 1330 Cincinnati, Ohio	WSVS 1370 Buffalo, N.Y.	WWVA 1160 Wheeling, W.Va.
WSAJ 1310 Grove City, Pa.	WSYR 570 Syracuse, N.Y.	XEA 1200 Guadalajara, Jal.
WSAN 1440 Allentown, Pa.	WTAD 1440 Quincy, Ill.	XEB 670 Mexico City
WSAR 1450 Fall River, Mass.	WTAG 580 Worcester, Mass.	XEE 960 Pueblo, Pue.
WSAZ 580 Hunt'gton, W.Va.	WTAM 1070 Cleveland, Ohio	XEF 1130 Oaxaca, Oax.
WSB 740 Atlanta, Ga.	WTAQ 1330 Eau Claire, Wis.	XEH 970 Monterey, N.L.
WSBC 1210 Chicago, Ill.	WTAR 780 Norfolk, Va.	XEI 1000 Morelia, Mich.
WSBT 1230 South Bend, Ind.	WTAW 1120 College Sta., Tex.	XEN 730 Mexico City
WSFA 1410 Montgomery, Ala.	WTAX 1210 Streator, Ill.	XES 1200 C. Lerdo, Dgo.
WSGH 1400 Brooklyn, N.Y.	WTBO 1420 Cumberland, Md.	XEX 920 Mexico City
WSIX 1210 Springfield, Tenn.	WTFI 1450 Toccoa, Ga.	XEY 550 Merida, Yucatan
WSJS 1310 Winst.-Sal., N.C.	WTIC 1060 Hartford, Conn.	XFA 540 Mexico City
WSM 650 Nashville, Tenn.	WTMJ 620 Milwaukee, Wis.	XFC 630 Jalapa, Ver.
WSMB 1320 New Orleans, La.	WTNT 1470 Nashville, Tenn.	XFF 920 Chihuahua, Chih.
WSMK 1380 Dayton, Ohio	WTOC 1260 Savannah, Ga.	XFG 640 Mexico City
WSPA 1420 Spartanburg, S.C.	WWAE 1200 Hammond, Ind.	XFI 590 Mexico City
WSPD 1340 Toledo, Ohio	WWJ 920 Detroit, Mich.	XFX 910 Mexico City
WSSH 1410 Boston, Mass.	WWL 850 New Orleans, La.	
WSUI 880 Iowa City, Ia.	WWNC 570 Asheville, N.C.	
WSUN 620 St. Petersb'g, Fla.	WWRL 1500 Woodside, N.Y.	

The Short Wave Stations

Call	Station	Owner	City and State	Meters	Watts
W1XAA	WRAH	Stanley N. Read	Providence, R. I.		75
W1XAB	WCSE	Congress Square Hotel Co.	Portland, Maine	63.79	250
W1XAE	WBZ	Westinghouse Elec. & Mfg. Co.	Springfield, Mass.	70.0	
W1XAF	WEEI	Edison Elec. Illuminating Co.	Boston, Mass.		
W1XAG		Edison Elec. Illuminating Co.	Boston, Mass.		
W1XY	WBRL	Booth Radio Laboratories	Tilton, N. H.	105-109	250
W2XA	WRMU	Yacht, "MU-1" Grebe Co.	New York		
W2XAC	WGY	General Electric Co.	Schenectady, N. Y.		
W2XAD	WGY	General Electric Co.	Schenectady, N. Y.	19.56	
W2XAE	WGY	General Electric Co.	Schenectady, N. Y.		
W2XAF	WGY	General Electric Co.	Schenectady, N. Y.	31.48	
W2XAG	WGY	General Electric Co.	Schenectady, N. Y.		
W2XAH	WGY	General Electric Co.	Schenectady, N. Y.		
W2XAK	WGY	General Electric Co.	Schenectady, N. Y.		
W2XAL	WRNY	Aviation Radio Station, Inc.	New York	49.67	500
W2XAO		Atlantic Broadcasting Co.	New York	105.9	100
W2XAQ	WOR	L. Bamberger Co.	Newark, N. J.	65.4	50
W2XAW	WGY	General Electric Co.	Schenectady, N. Y.		
W2XBA	WAAM	WAAM, Inc.	Newark, N. J.	65.18	50
W2XBH	WCGU	Chas. G. Ungar	Coney Island, N. Y.	54.02	150
W2XBR	WBNY	Baruchrome Corp.	New York City	49.83	
W2XCD		DeForest Radio Co.	Passiac, N. J.	187.30	
W2XE	WABC	Atlantic Broadcasting Co.	Richmond Hill, N. Y.	49.02	50
W2XZ		National Broadcasting Co.	Bellmore, L. I.	49.15	50000
W3XAU	WCAU	Universal Broadcasting Co.	Philadelphia, Pa.	49.50	
W3XK		C. Francis Jenkins Labs.	Washington, D. C.		
W3XL	WJZ	Radio Corp. of America	Bound Brook, N. J.	59.96	30000
W3XN		Bell Telephone Laboratory	Whippany, N. J.		
W4XD	WSM	Nat'l Life & Accident Ins. Co.	Memphis, Tenn.	31.43	
W4XE		William Justice Lee	Winter Park, Fla.	200.	250
W6XA	KNX	Los Angeles Express	Los Angeles, Cal.	107.1	100
W6XAD	KFWO	Lawrence Mott	Avalon, Cal.	53.07	100
W6XAF	KNRC	Clarence B. Juneau	Santa Monica, Cal.	108.2	100
W6XAI	KGGM	Los Angeles Radio Club	Los Angeles, Cal.	66.04	50
W6XAK	KFWH	F. W. Morse	Chico, Cal.	108.2	50

W6XAL	KFQZ	L. E. Taft	Hollywood, Cal.	66.04	50
W6XAN	KRLO	Freeman Lang	Los Angeles, Cal.	105.9	250
W6XAR	KJBS	J. Brunton & Sons	San Francisco, Cal.	32.	50
W6XAU	KHJ	Times-Mirror Co.	Los Angeles, Cal.	104.1	50
W6XAX	KGO	General Electric Co.	Oakland, Cal.	10-40	10000
W6XAZ		Nelson Radio Co.	San Diego, Cal.	106.	50
W6XBA	KFSG	Air-Fan Radio Corp.	Los Angeles, Cal.	108.2	250
W6XBE	KFBC	W. K. Azbill	San Diego, Cal.		
W6XBH	KFQU	W. E. Riker	Holy City, Cal.	31-106	50
W6XBR	KFWB	Warner Bros. Picture Studio	Los Angeles, Cal.	40-105	50
W6XBV	KGER	C. Merwin Dobyns	Long Beach, Cal.	48.86	
W6XBX	KFVD	McWhinnie Electric Co.	Venice, Cal.	105.	50
W6XN	KGO	General Electric Co.	Oakland, Cal.	23.35	10000
W7XAB	KFPY	Symons Investment Co.	Spokane, Wash.	105.9	
W7XAO	KWJJ	Wilbur Jerman, Inc.	Portland, Ore.	53-54	100
W7XC	KJR	Northwest Radio Service	Seattle, Wash.	105.2	
W7XO	KJR	Northwest Radio Service	Seattle, Wash.		
W8XAC	WHAM	Stromberg-Carlson Tel. Mfg. Co.	Rochester, N. Y.		
W8XAL	WLW	Crosley Radio Corp.	Cincinnati, Ohio	49.50	500
W8XOA	WJR	WJR, Inc.	Detroit, Mich.	32.	75
W8XF	WHK	Radio Air Service Corp.	Cleveland, Ohio	66.04	500
W8XJ	WEAO	Ohio State University	Columbus, Ohio	54.02	250
W8XK	KDKA	Westinghouse Elec. & Mfg. Co.	Pittsburgh, Pa.	25.25	40000
W8XP	KDKA	Westinghouse Elec. & Mfg. Co.	Pittsburgh, Pa.	10-150	500
W8XS	KDKA	Westinghouse Elec. & Mfg. Co.	Pittsburgh, Pa.	62.57	
W9XAA	WCFL	Federation of Labor	Chicago, Ill.	49.34	
W9XAB	WNAL	R. J. Rockwell	Omaha, Nebr.	105.	50
W9XF	WENR	Great Lakes Broadcasting Co.	Chicago, Ill.	49.83	
W9XU	KOIL	Mona Motor Oil Co.	Council Bluffs, Iowa	61.06	500

February Puzzle

WHETHER our puzzle fans found this cross-call too difficult because of the number of cases in which a letter was not keyed both ways, or whether these teasers have lost their flavor, we do not know. The number contributing solutions to this puzzle dropped sharply and we will therefore use the space heretofore occupied by cross-calls with something that may interest our readers more.

The solution of the puzzle that appeared in February is given below:

W
WHK
KITWW
WOLKKMA
WLWLGCMCK
KOCWKNXNKO
WOAIWWOEWKWSC
WIPIWCKWDPWWKY
KGWFLAWJZWBNY
WHAWHAPWWAE
WAAWWSRO
WPGHKVL
HHKBS
WEW
X

Copies of RADEX have been mailed to those who sent in correct solutions. We found a number of instances where two different stations would answer the descriptions and we are considering either solution correct.

P.S.—Answers to the March puzzle

are beginning to pour in, which indicates that the trouble lay with the February puzzle rather than lack of interest on the part of readers. Watch for another puzzle therefore, in the May number.

Ninety Stations on a Crystal Set

(Continued from page 16)

top is the knob of the midget condenser, under that the jack switch that shorted the aerial condenser, but I seldom used it, under that are the two jacks that switched either to the cat-whisker crystal or the Carborundum.

“Next to the left, at the top, is the housing of the crystal and under that the Carborundum control. I got the greatest sensitiveness from the cat-whisker crystal. Further to the left is the slide contact of the coil and under that are the binding posts of the phone outlets, between which is the jack switch that shorted out the second pair of phones.

“At the extreme left is the contact switch that enabled me to vary the capacity of the phone condensers and which I seldom used.

“The upper cabinet housed two wave traps.”

{ If this issue of RADEX has pleased you, won't you add to your neighbor's pleasure by telling him about it? }

FAVORITE PROGRAMS

Time	Station	Dials	Feature	Time	Station	Dials	Feature
DAILY				WEDNESDAY			
SUNDAY				THURSDAY			
MONDAY				FRIDAY			
TUESDAY				SATURDAY			

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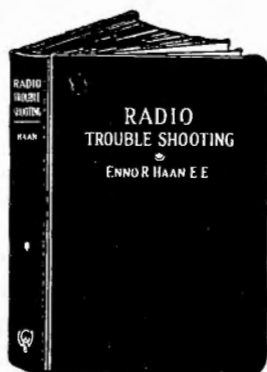
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