

# Stevenson's RADIO BULLETIN



"DIXIE" BOND

*"The Girl With a Golden Voice"*

## IN THIS ISSUE

Revised Broadcasting Log

Chain Program Guide

Engineers Promise Better Reception

612  
152  
760  
SPRING 1929

PRICE 25 CENTS

# TONIGHT'S CHAIN PROGRAM

Weekly Program of Features of Broadcasting Chains. Eastern Standard Time is given. Central Time is one hour earlier. Mountain Time two hours earlier; and Pacific Time three hours earlier.

Only features engaging ten or more stations after 7:00 P. M. (except Sunday) are listed. Minor changes are made from time to time, but this list will be found substantially correct. NBC indicates National Broadcasting Company chains, and CBS Columbia Broadcasting System chains. Stations are arranged ALPHABETICALLY.

## Sunday

P. M.

### 6:00-6:30 Stetson Parade (NBC)

KOA	WCSH	WGR	WMC	WSM
KPRC	WDAF	WGY	WQAI	WTAG
KSD	WEAF	WHAM	WOW	WTIC
KVOO	WEEI	WHAS	WRC	WTMJ
WBT	WFI	WJAR	WSAI	WWJ
WCAE	WGN			

### 6:30-7:00 Acousticon Hour (NBC)

KSD	WEAF	WHY	WRC	WTAM
WCAE	WEEI	WJAR	WSAI	WTIC
WCSH	WFI	WOW	WTAG	WWJ
WDAF	WGR			

### 6:30-7:00 Whittall Anglo Persians (NBC)

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

### 7:00-7:30 Old Company's Program (NBC)

WCSH	WEEI	WGR	WJAR	WTAG
WEAF	WFI	WGY	WRC	WTIC

### 7:30-9:00 Major Bowes' Family (NBC)

KSD	WGY	WMC	WSAI	WTAM
WCAE	WHAS	WOW	WSB	WTIC
WEAF	WJAR	WRC	WSM	WWJ

### 8:15-9:15 Collier's Radio Hour (NBC)

KDKA	WBAL	WHAM	WLW	WRHM
KWK	WBZ	WJZ	WREN	WTMJ
KYW	WBZA			

### 8:30-9:00 La Palina Smoker (CBS)

KMBC	WAIU	WJBL	WKRC	WMAQ
KMOX	WCAO	WGHP	WMAF	WNAC
KOIL	WCAU	WHK	WMAK	WOR
WABC	WCCO	WICC	WMAL	WOWO
WADC	WFAN	WJAS		

### 9:00-9:15 Our Government By David

KSD	WEAF	WHAS	WOW	WSM
KVOO	WFAA	WJAR	WRC	WTAG
WCAE	WGR	WMC	WSAI	WTIC
WCSH				

### 9:00-10:00 Majestic's Two Black Crows (CBS)

KMBC	WAIU	WJBL	WKRC	WMAQ
KMOX	WCAO	WGHP	WMAF	WNAC
KOIL	WCAU	WHK	WMAK	WOR
WABC	WCCO	WICC	WMAL	WOWO
WADC	WFAN	WJAS		

### 9:15-10:15 Atwater Kent Radio Hour (NBC)

KOA	WCAE	WGN	WQAI	WSB
KPRC	WEAF	WGR	WOW	WSM
KSD	WEEI	WGY	WRC	WTAM
KVOO	WFAA	WMC	WSAI	WWJ
WBT	WFI			

### 10:00-10:30 De Forest Audions (CBS)

KMBC	WAIU	WJBL	WKRC	WMAQ
KMOX	WCAO	WGHP	WMAF	WNAC
KOIL	WCAU	WHK	WMAK	WOR
WABC	WCCO	WICC	WMAL	WOWO
WADC	WFAN	WJAS		

### 10:15-10:45 Studebaker Motors Program (NBC)

KGO	WBT	WGR	WLS	WSB
KGW	WCAE	WGY	WMC	WTAG
KOA	WCSH	WHAS	WQAI	WTAM
KOMO	WEAF	WHO	WOW	WTIC
KPO	WEBC	WHQ	WRC	WTMJ
KPRC	WFAA	WJAR	WRVA	WWJ
KSTP	WFI	WKY		

### 10:30-11:00 Come To The Fair (CBS)

KMBC	WAIU	WJBL	WKRC	WMAQ
KMOX	WCAO	WGHP	WMAF	WNAC
KOIL	WCAU	WHK	WMAK	WOR
WABC	WCCO	WICC	WMAL	WOWO
WADC	WFAN	WJAS		

## Monday

### 7:30-8:30 Roxy and His Gang (NBC)

KDKA	WBT	WFAA	WLW	WREN
KWK	WBZ	WHAM	WMC	WSB
KYW	WBZA	WJR	WRC	WSM
WBAL	WEBC	WJZ		

### 8:00-8:30 Voice of Firestone (NBC)

KOA	WCAE	WFAA	WLIT	WSB
KPRC	WCSH	WGR	WMC	WSM
KSD	WDAF	WGY	WQAI	WTAG
KVOO	WEAF	WHAS	WOW	WTIC
KYW	WEBC	WJAR	WRC	WTMJ
WBT	WEEI	WJAX	WRVA	WWJ

P. M.

### 8:00-8:30 Ceco Couriers (CBS)

KMBC	WAIU	WJBL	WKRC	WMAQ
KMOX	WCAO	WGHP	WMAF	WNAC
KOIL	WCAU	WHK	WMAK	WOR
WABC	WCCO	WICC	WMAL	WOWO
WADC	WFAN	WJAS		

### 8:30-9:30 A. & P. Gypsies (NBC)

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

### 8:30-9:00 Automatic Duo Discs (NBC)

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

### 8:30-9:00 The Captivators (CBS)

KMBC	WAIU	WJBL	WKRC	WMAQ
KMOX	WCAO	WGHP	WMAF	WNAC
KOIL	WCAU	WHK	WMAK	WOR
WABC	WCCO	WICC	WMAL	WOWO
WADC	WFAN	WJAS		

### 9:00-9:30 Lowney Radio Hour (CBS)

KMBC	WAIU	WJBL	WKRC	WMAQ
KMOX	WCAO	WGHP	WMAF	WNAC
KOIL	WCAU	WHK	WMAK	WOR
WABC	WCCO	WICC	WMAL	WOWO
WADC	WFAN	WJAS		

### 9:30-10:30 General Motors Family Party (NBC)

KFI	KVOO	WFAA	WLIT	WSM
KGO	WBT	WGN	WMC	WTAG
KGW	WCAE	WGR	WQAI	WTAM
KHQ	WCSH	WGY	WOW	WTIC
KOMO	WDAF	WHAS	WRC	WTMJ
KPRC	WEAF	WJAR	WSAI	WWJ
KSD	WEEI	WJAX	WSB	

### 9:30-10:00 Real Folks (NBC)

KDKA	KYW	WBZA	WJR	WLW
KWK	WBZ	WHAM	WJZ	WREN

### 9:30-10:00 Warner Brothers Vitaphone Jubilee

KMBC	WAIU	WJBL	WKRC	WMAQ
KMOX	WCAO	WGHP	WMAF	WNAC
KOIL	WCAU	WHK	WMAK	WOR
WABC	WCCO	WICC	WMAL	WOWO
WADC	WFAN	WJAS		

### 10:00-11:00 United Opera Company (CBS)

KMBC	WAIU	WJBL	WKRC	WMAQ
KMOX	WCAO	WGHP	WMAF	WNAC
KOIL	WCAU	WHK	WMAK	WOR
WABC	WCCO	WICC	WMAL	WOWO
WADC	WFAN	WJAS		

### 10:30-11:00 Empire Builders (NBC)

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

### 11:00-12:00 National Grand Opera (NBC)

KSD	WEBC	WHAS	WOW	WSAI
WCAE	WFAA	WLIT	WRC	WWJ
WEAF	WGR	WOC		

## Tuesday

### 8:30-9:00 Prophylactic Program (NBC)

KSD	WDAF	WFI	WJAR	WTAG
WCAE	WEAF	WGR	WOW	WTIC
WCSH	WEEI	WGY	WRC	WWJ

### 8:30-9:00 Michelin Hour (NBC)

KPKA	KWK	WBZ	WHAM	WOZI
KPRC	KYW	WVZA	WJR	WREN
KVOO	WBAL	WFAA	WJZ	

### 9:00-10:00 Eveready Hour (NBC)

KFI	KPRC	WEEI	WHAS	WSAI
KGO	KSD	WFAA	WJAR	WSB
KGW	KVOO	WFI	WMC	WSM
KHQ	WCAE	WGN	WQAI	WTAM
KOA	WDAF	WGR	WOW	WTIC
KOMO	WEAF	WGY	WRC	WTMJ

### 9:00-9:30 Three-in-One Theater (NBC)

KDKA	KYW	WBZ	WHAM	WLW
KWK	WBAL	WBZA	WJZ	WREN

### 9:00-10:00 Hank Simmons Show Boat (CBS)

KMBC	WAIU	WJBL	WKRC	WMAQ
KMOX	WCAO	WGHP	WMAF	WNAC
KOIL	WCAU	WHK	WMAK	WOR
WABC	WCCO	WICC	WMAL	WOWO
WADC	WFAN	WJAS		

### 9:30-10:00 Dutch Masters Minstrel (NBC)

KDKA	KYW	WBZ	WHAM	WLW
KWK	WBAL	WBZA	WJZ	WREN

P. M.

### 10:00-10:30 Cliquot Club Eskimos (NBC)

KOA	WCAE	WFI	WQAI	WTAG
KPRC	WCSH	WGR	WOW	WTAM
KSD	WDAF	WGY	WRC	WTIC
KVOO	WEAF	WHAS	WSAI	WTMJ
KYW	WEEI	WJAR	WSB	WWJ
WBT	WFAA	WMC	WSM	

(Continued on 3d cover)

# Stevenson's RADIO BULLETIN

Volume 6

MARCH, 1929

Number 1

Many of our readers have asked us how to make their receiving sets more selective. They have trouble in getting other stations when some particular broadcaster is on the air.

If the length of the antenna is shortened, it will make the set more selective. It will also make the set less sensitive. If it is possible to install a loop antenna, it will greatly increase the selectivity of the set because of its directional effects.

A condenser can be installed in the antenna circuit. But this generally requires an expert.

A wave trap is generally very beneficial. Any number of wave traps may be purchased at small cost from radio dealers who should be able to explain their operation.

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# He Forgot All About It!

**T**HAT painful look of consternation on the face of the gentleman to the left . . . there's a reason for it! He just remembered that the big football game of the season will be broadcast this afternoon . . . that the Gumps are coming over for dinner . . . and that Mary, his daughter, is having some boys and girls in for dancing later on. All of which means that the Radio will be working over-time this evening.

And **JUST NOW** it flashed across his mind that he had forgotten to get a new copy of **STEVENSON'S RADIO BULLETIN**. Wait until you see his expression when he tries to figure out how he can bring in the broadcasting stations he will want without those embarrassing delays, screeching of static, and what have you, that always occur when one is "fishing" blindly for stations.

Stevenson's Radio Bulletin is the Telephone Directory of Radio Broadcasting. Just select the station you want, look up the dial numbers, tune in, and sit back and enjoy yourself. Stevenson's contains up to date, complete listing of all stations by call letters, location, wave lengths, kilocycles, power, etc., and brief, clear instructions for "calibrating" your set so that you can instantly bring in any station within the range of your set, whether or not you have ever heard or logged it before!



## Double Your Radio Enjoyment With Stevenson's

Don't miss the host of good things on the air. Provide now for a new up-to-date list of all stations in a compact usable form, the latest Chain Program Guide, the latest news on every phase of radio. An excellent gift for your Friends . . . Gift card enclosed with first issue!

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Enclosed find

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 \$1.50 for two years (eight issues), for which please send Stevenson's Radio Bulletin to:

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Street Address .....

City and State.....

# ENGINEERS PROMISE *Better* RECEPTION

By DR. J. H. DELLINGER, *Chief Engineer,  
Federal Radio Commission*

THE legal and political problems of radio regulation owe much of their interest to the complex physical phenomena involved. If it were not for the limitations imposed by the nature of radio waves, radio legislation would be easy or even perhaps unnecessary. Radio administration must be founded on intimate knowledge of the engineering facts inherent in the problems that arise.

There is one basic principle whose implications face us at every turn in governmental regulation of radio. This is the simple fact that the number of communication channels is definitely and severely limited. The number of channels is being increased from time to time, as radio technique develops, but at any given time there are only a limited number of communication channels. If stations are permitted to operate in excess of the capacity of these channels extensive interference develops, and radio operation becomes unsatisfactory.

The fact that the number of channels is limited and the number of stations assignable to any one channel is again limited, imposes upon the Government the necessity of choice among applicants for the radio channels. This is indeed the underlying reason why a Federal Radio Commission came to be created. To provide for choice among those who aspire to construct and use radio stations, Congress created not only the Commission as its instrument to make the choice, but also a judicial principle to be the basis of choice, viz, the



DR. J. H. DELLINGER

principle of public convenience, interest or necessity.

It was the congestion in the broadcast band which spurred Congress to this legislation. Only in that band of frequencies did the number of applicants for licenses exceed the supply of channels, in early 1927, when the law was passed. The condition has extended, however, and the demand now exceeds the supply in the high-frequency band as well as in the broadcast band.

The broadcasting band, which has hitherto occupied the chief attention of the Commission, exhibits a number of very special engineering problems. Here the width of each channel is 10 kilocycles, which is necessary to carry satisfactory speech or music. With only 90 such channels, and more than 600 stations on them, there was naturally very great interference. To remedy this, the Commission had to choose among various alternatives.

It decided as a matter of policy not to reduce radically the total number of stations. It was then necessary to (a) limit the simul-

taneous operation of an excessive number of stations by making many of them divide time; (b) assign frequencies carefully selected with regard to geographical separation of stations, to reduce inter-channel interference (i. e., disturbance of reception of a station on one frequency by other stations on adjacent frequencies); and (c) limit the power of stations so they would not cause interference to other stations on the same frequency.

The accomplishing of this constituted the new allocation of broadcasting stations which the Commission put into effect on November 11.

The most striking of the problems involved in the new allocation, was the carrying out of requirement (c) just mentioned. Stations assigned to the same frequency have not, up to the present, been able to maintain their frequencies with sufficient accuracy to prevent the existence of a slight difference of beat frequency, producing what is commonly known as heterodyne interference or whistles.

Unfortunately the heterodyne interference reaches out to much greater distances from a station than the program. Consequently the operation of two or more stations on a channel results in an area of destructive interference far in excess of the area in which program service is provided. For instance, a 5-kilowatt station's program can be heard with fair intensity under good conditions at 100 miles while the heterodyne interference from two such stations is heard at 3,000 miles. Two stations of 5 kilowatts or more therefore can not be assigned the same frequency. It is possible to put two or more one-kilowatt stations on the same frequency if they are at least 1,800 miles apart, and two or more one-half kilowatt stations if they are at least 1,200 miles apart.

All stations subject to these restrictions have only a small service area, and give no service to remote rural areas. Such distant service is given only by stations having exclusive use of the channels to which they are assigned. In order to provide rural service the Commission designated 40 channels each to be used by one station exclusively.

The stations on the exclusive channels not only serve very great areas but deliver a more satisfactory intensity at every point within those areas. Their service is better for all concerned, the greater the power they use. This fact is not commonly understood by others than radio engineers. It is clear when the distinction between the exclusive and the other channels is comprehended. Service on the non-exclusive channels would be utterly ruined if the power limits fixed by the facts of heterodyne interference should be exceeded, and in consequence such stations can not in general use more than 1 kilowatt.

But on the exclusive channels the service is better the higher the power level, and indeed such stations will not be serving the public most effectively until the level reaches hundreds of kilowatts.

There is some hope that the limitation of power and service on the non-exclusive channels may be overcome. If the frequencies of stations on the same channel are maintained to a certain very high accuracy, the heterodyne or whistle becomes inaudible. The technique of frequency control is fast approaching this goal and success has been attained in isolated instances. The satisfactory service area of such "synchronized" stations is not yet known, but it is believed that it will be substantially greater than when heterodyne interference exists. The significance of this is that the present power limits on the "regional" and "local" stations can be raised, better service given, and wider areas served. Synchronization is therefore looked for as the next great advance in broadcasting.

Other regulations of the Commission also involve engineering problems. There are now in progress studies which will lead to new regulations. Some of the subjects are: The requirement of a dummy antenna in broadcasting stations for use during warming-up periods, etc.; the location of high-power stations with respect to populous areas; requirement of highly accurate frequency control; allowable ratio of day to night power; permissible intensity of harmonics; percentage modulation, and fidelity of transmission.

# LUCREZIA BORI

## *Puzzled Parents and Critics*

**L**UCREZIA BORI, soprano of the Metropolitan Opera, puzzled her parents and critics for many years. They couldn't understand where she had learned so many operatic songs.

Bori is rapidly becoming known throughout the world as one of the greatest of singing actresses and likewise one of the finest of vocal artists. She has been heard over the radio a number of times. On the evening of February 11, she was the guest star of the General Motors Family Party.

Born in Valencia, Spain, and inheriting an understanding of poetry and rhythm for music that is latent in the Spanish people, Bori developed a voice and fame as an interpreter of character in song at the age of six.

It was only until she had achieved world fame that her wide operatic repertoire was explained.

It seems that the Bori residence in Valencia was directly across the street from the opera house. Each night at about the time the operas were scheduled to begin, the child's parents would send her upstairs to bed. They were always surprised to find that she went without any complaint, but they did not know at the time that as soon as she was left to herself she would crawl out of bed to a balcony which overhung the narrow street, and was only a few feet from the opera house.

There she would lie absorbing the music until she heard her parents start upstairs at their bed time. Then she would scamper into bed and pretend to be asleep. In this way, she learned most of the operas as a child.

Bori's ability to express the meaning of musical emotions of all types was made mani-



LUCREZIA BORI

fest immediately after she had made her debut on the operatic stage, and all Europe hailed her as a new type of singer. Bori puts the idea of her songs first and foremost, and her magnificent technical equipment is never apparent.

She makes the shy, meek and mousey Mimi of "La Boheme," or the tender and trusting O Mimosa San of "Madame Butterfly," or the brilliant and dazzling Violetta of "La Traviata" all striking portraits of real women.

She first came to the Metropolitan Opera in New York in 1912, with a reputation extending from Europe to South America. Since coming to America she has developed into an even greater singer.

# Children Make Very Good Radio Actors

**C**HILDREN show more aptitude for radio dramatics than their elders. Children's parts, however, are far more difficult to cast satisfactorily, according to dramatic directors, who look forward with mixed feelings to programs in which children are featured.

The success of the young actors is probably traceable directly to their freshness. With the best of them, the imagination is immediately stirred, and in no time at all the child has entered wholly into the character. The result is a highly desirable naturalness, directors say.

Most children have a tendency at the beginning to speak their lines as if they were "speaking a piece," and unless the director can eradicate this he will not be able to use the child on the air. Generally speaking there seems to be no great difference in this respect between professional stage children and those who never have appeared before an audience.

The greatest difference between children who have been trained for the stage and those who have not is that the young professionals take their work much more seriously and can stay at it longer without losing interest.

Voices among children are a problem for the director who plans to use more than two of them. Each voice must be distinct in quality from the others,

yet there is much less difference between the voices of several children than in the voices of the same number of adults.

Rehearsals often demonstrate that two or more children out of a cast of five will not do for their parts. Even if their voices have individuality, they may be lacking in the spirit of "let's pretend." And if one small member of the cast does not get along well with another, one or both must be replaced. Children cannot work well before the microphone, directors say, unless they are enjoying it.

Much use is made of the fact that children are natural mimics. By thorough explanation, and sometimes by snatches of impersonations, successful directors make clear to each small actor the kind of boy or girl he or she is supposed to be.

Children usually have no fear of the microphone and are perfectly at home before it. Often they seem almost to be playing together in a room, with no spying grown-ups to spoil the fun.

Younger children who have gained radio experience under one director seldom do so well under another director until several weeks have passed.

Men have as much success in handling children before the microphone as women do. They have an advantage with older boys, but lose it with very small children.



JOLLY BILL AND JANE

## Broadcasters TRY to BE FAIR in Covering Contests

**B**ROADCASTERS are as careful as newspapers in keeping an impartial attitude toward participants in any great contest, be it collegiate, pugilistic or political. Perhaps the broadcasters are more careful than newspapers, for editorial opinions are not considered good form by the big radio organizations.

Despite this caution, hundreds of protests and accusations of partiality follow each important broadcast. And the protests aren't evenly divided. This condition worried the radio people until the situation was analyzed.

Then came the realization that the loser, or rather, many of his representatives or adherents, always claim that he didn't get a square deal in the matter of radio coverage of the contest. The announcer was biased, the break in the wire lines was planned to embarrass him or an extra amount of static was arranged to spoil the story of his heroic though losing fight.

David Lawrence, political expert, realized this when he was telling the story of the recent national election. During the early evening when election returns were first coming in and there were indications of a Smith victory, telegrams began coming in from listeners: "Throw out your announcer—he's a Democrat," or "Believe you must have sold out to the Democrats," were phrases used in the wires.

The tide turned around 10 o'clock that night and the Hoover vote began to mount. The telegrams changed, too. Instead of accusations to the Democrats, the telegrams denounced the announcers as dyed-in-the-wool Republicans, and demanded that the Democratic party be given a square deal.

When Graham McNamee, veteran announcer, described the Dempsey-Tunney battle



DAVID LAWRENCE

in Chicago, he was accused of being a Tunney backer because Tunney won.

When Phillips Carlin and McNamee described the recent New York-St. Louis World Series they were denounced as Yankee fans. Several years before, when St. Louis won the pennant, the protestants were certain that McNamee swung all his influence to the Cardinals.

During the Army-Harvard football game last fall, Carlin, who told the story, was declared to be prejudiced in favor of the Army—these declarations coming after the game, of course.

The announcer of contests naturally strives to inject as much color as possible into his description of the event. Unless the radio version is to be a dry, uninteresting statement of the facts, the announcer is obliged to praise the winner.

Listeners who are dissatisfied with the announcements, should always keep in mind that if the tables were reversed, if the Democrats had won instead of the Republicans, the announcers would have been first in paying tribute to them. In other words, they are for the winner.

# Classical JAZZ is MUSIC of AMERICA

“AMERICAN music will find its fullest expression in classical jazz. I appeal to American composers to devote themselves to this type of music, since it is in classical jazz that America will find its greatest musical expression. We need composers who will devote themselves to the development of classical jazz, the sort of thing that Gershwin has done in his ‘Rhapsody in Blue.’ Unfortunately, we conductors who are eager to help, feel a distinct lack of jazz compositions that are classical rather than purely popular in nature.”

Those are the sentiments of Hugo Mariani, conductor of the Mediterraneans and other crack orchestral units, who has been heard over the air for more than two years. Mariani is one of the outstanding exponents of what he calls “Classical Jazz—the music of America.”



HUGO MARIANI

Montevideo, Uruguay, is the place of Mariani's birth. As is the way with people of musical genius, his career has been precocious. Before he was twenty-one, he was conductor of the National Symphony Orchestra of Uruguay and first violin in a string quartet. Eight years ago he came to the United States, toured the country with recitals and finally established himself in New York as concertmeister and assistant conductor of the Rialto Orchestra.

Mariani's marital career is no less picturesque. His wife is Nella Barbu, a painter of some repute. Add to this the fact that she is a Rumanian and you have a combination of talents and nationalities that assures the Mariani family a maximum rating in artistic temperament.

“I find it much more difficult to conduct before the microphone than in the concert hall,” says the leader of the Mediterraneans. “The concert program can be rehearsed for weeks before presentation to the public. With the radio program, we have to work more quickly, since rehearsals are limited. For another thing, there is rarely time to score my arrangements ahead of time, and I have to work them out as I go along.”

“I must admit, however, that I don't mind these handicaps, because conducting for the radio is more interesting than conducting in the concert hall. It is more varied and more experimental. It requires a special technique, the attainment of which is never final, since new and better methods are constantly evolved.”

Mariani is not too high-brow for straight jazz, real jazz, the sort of throbbing, tom-tomming jazz that makes you dance. He knows that there is music for different moods. But classical jazz is his true love.

# RED-HEADED!

## *But She*

# CONTROLS

## *Her TEMPER*

**A** RED-HAIRED Mexican girl who hasn't lost her temper in fifteen years (which means when she was very young), is the soprano who sings those colorful songs in *El Tango Romantico*, the romantic program of Latin-American cabaret life broadcast through NBC system.

Senorita Raquel Nieto calls Mexico City her home town, although she was born in Jalapa, a fashionable resort near Vera Cruz, twenty-two years ago. It was in Mexico City that she received most of her education, and it was there that her voice caught the attention of the President, who arranged for her to take a special course at the National Conservatory. There she justified the President's faith in her voice, by immediately beginning to take prizes. When she was graduated four years later she took first prize and went on a tour of the principal cities of the country.

Senorita Nieto's sole fit of red-headed anger occurred when she was about seven years old. Since she was four years old she had been studying music with her mother, who loved it, and who took it up so she could teach her daughter.

A violin began it all. The little girl became extremely fond of the instrument on which she practiced. After three years of study it was decided she deserved a better one.

That was all very well, but the little violinist did not want a new instrument, and when her mother attempted to take the old one away the red-headed temperament displayed itself. Eventually, however, the new violin won its way.

Two years or so later a great Mexican



**RAQUEL NIETO**

singer heard Raquel singing to herself as she practiced on the new violin and recommended that attention be given to her voice. Instruction followed, and the results were so good that she won her place at the National Conservatory. She still played the violin but not professionally.

After the tour of Mexico which followed her graduation, Senorita Nieto toured Texas and California, singing Spanish and Mexican folk songs. A year ago Raquel came east, where much of her time has been devoted to broadcasting and making records. She expects to keep at it, for when she goes on concert tours it is much harder for her to indulge her hobbies.

The first of these is embroidery, and so great is her skill with the needle that her work has been compared with painting. The other is Mexican food. She likes American cooking, but every now and then she becomes a little homesick, and nothing but a meal of enchiladas, heuves rancheros and other dishes from across the Rio Grande will serve to drive it away.

Senorita Nieto likes the movies, too. Tom Mix and Douglas Fairbanks are her favorites.



HAROLD A. LAFOUNT

## Radio Commission MAY REGULATE Chain Programs

By HAROLD A. LAFOUNT

Federal Radio Commissioner

The difficulty is that all stations cannot be depended upon to perform alike or consistently.

For a station in New York, which gets out well on all sides, the 300-mile order might be most proper. But for a station in Iowa, which cannot be depended upon to serve adjacent towns and cities, to be subjected to the 300-mile order would constitute a hardship on the listeners of those places.

In other words, my contention is that it will be necessary for the Commission to make individual orders for particular stations and communities.

If a New York Station is able to well serve a surrounding area of 400-miles with chain programs, then no other stations should be permitted to broadcast the same program in that section.

If the Iowa station is able to serve only 100 miles, duplications should not be permitted within that area.

It means that before the Commission can attempt the regulation of chain programs it must have a great amount of data about stations. The performance of the station to be regulated must be definitely known. The Commission must know in advance that the regulation will not work a hardship on listeners.

It is my firm conviction that most people like chain programs, at least part of the time. Nobody likes all of the chain programs all of the time. Each listener should be able to get other features in addition to the chain programs.

But one community should not be deprived of chain programs simply because listeners in another community get the same program from two or three different stations.

THE Commission has always felt the necessity for some kind of regulation of chain programs. The thought back of it was that the listener who can bring in a number of stations on his set should be able to get as many different kinds of programs as possible.

When the reallocation of November 11, was adopted, the Commission voted that stations on cleared channels must be 300 miles apart before duplicating each other's programs. It was believed that this regulation would prevent many of the existing duplications.

I still believe that the 300-mile order would eliminate a lot of duplications. But I am convinced that while it might benefit some communities, it would work hardship on many others. Therefore, a majority of the commissioners voted to postpone the effective date of the 300-mile order until March 1. It is quite probable that the 300-mile order may never be put into effect. I cannot predict about that, however, because I am only one member of the Commission.

It was not that I disapproved of chain regulation that I voted against the 300-mile order. It was because I did not believe it the satisfactory solution of the problem.

# American PEOPLE GAINING in Musical APPRECIATION

**A**MERICAN people have shown a tremendous gain in musical taste during the past few years. So believes Mischa Elman, by many considered the greatest violin genius, who attributes the increased appreciation of music to radio broadcasting.

The great violinist has been heard over the radio but twice in this country. On February 10, he was the artist of the Atwater Kent program. He had just returned from sixteen months in Europe, where he played 160 concerts in fourteen European countries.

Elman was born at Tolna, Russia, a child of the Ghetto, son of Saul Elman, teacher of Hebrew, grandson of a locally famous violinist, and great grandson of a noted Talmudic scholar.

He began with the violin when he was five years old, immediately attracting the attention and assistance of Russian nobility. He was placed in the Odessa Imperial Academy of Music, and when ten years old was heard by the great teacher, Leopold Auer, who foretold Mischa's ensuing success.

Twenty-five years ago, Elman was admitted to Auer's classes where his progress was so phenomenal that he made his debut in Berlin in 1904. This was followed by a triumphal tour to Hamburg, Dresden, Leipsic, Vienna, Paris, London and other capitals, where he played before the crowned heads of

Europe, and in six months had conquered every musical center on the continent.

Oscar Hammerstein brought him to New York in 1910, where his American debut was made with the Russian Symphony.

Elman thinks America peculiarly adapted to nation-wide concerts over the radio, which would be impossible in Europe with its sectional tradition.

"Europe," he explains, "is divided in areas. Leopold Auer's teaching influences the violin playing of Russia; the traditions of Joachim dominate the violin recital halls of Central Europe; the Sarasate ideas are prevalent elsewhere; Paganini's theories linger in another section. As a pupil of Auer, my reading of the Tschaikowsky concerto would not be according to the ideas that prevail in the Joachim district. It makes touring difficult and radio broadcasting continentally impossible.

"But during these past ten years a tremendous gain in musical taste and appreciation has swept over America, due largely to radio. This country has not been poisoned by tradition, while in Europe a new twist in technic, program building, or interpretation is likely to fall on unwilling ears."

Mischa Elman has played in concert in many cities of the United States. It is believed that he is preparing to make another concert tour during the next few years.



MISCHA ELMAN

# VIOLINS CROON SLEEPY TUNES

**C**HIMES sound, a grandfather's clock ticks away the last hour of the day. Singing violins croon a sleepy tune and the hands of a dreamy man in gray, bent over a conductor's score, suggest a drowsy rhythm. The hour of Slumber Music, which closes the day of a number of stations, is being broadcast.

The man in gray is Ludwig Laurier, director of the string sextet which presents this quiet program of classical music that occupies the periods often given over to dance orchestras. Laurier's hair is gray, too, and until he lifts his head the whole man seems tinged with this neutral color.

His blue eyes, however, belie the impression of grayness. As the conductor's eyes leave his score and seek out the musicians, his rugged face, immobile a moment ago, becomes alive. The eyes laugh and a quiet smile softens the rugged lines of the face.

Laurier not only conducts Slumber Music; he is really the whole program. He selects the music and builds the program piece by piece until he has obtained just the progression of moods he desires. Not all of the music played during the Slumber Hour could be described as sleepy. Usually the program opens on a bright and cheery, or perhaps a rugged note, and moves smoothly through a number of not incongruous moods to its inevitable quiet conclusion. Laurier is careful, however, to make sure that the selections are such that will not lose their meaning in rearrangement for strings.

The ensemble is made up to two first violins, second violin, viol, bas viol, piano and harmonium.

The conductor, himself a violinist, came to the United States nearly forty years ago from Speyer am Rhine, in the Palatinate. He was only thirteen years old then, and went directly to Buffalo, there to learn the drug business under his brother.

He had already begun to study the violin however and its lure proved greater than that of the pharmacy. When he became a little older he played in the Buffalo Symphony Orchestra, conducted by John Lund, and a few years later he left America to study his music in Berlin. There he studied the violin. Laurier was only twenty-one at that time, yet became one of the first violins in the Berlin Philharmonic. After two years with this organization he taught for a year in Switzerland and then returned to the United States.

On his return he joined the orchestra of the Metropolitan Opera House, New York, as first violin, and remained for sixteen years.

During the conductorship of Arturo Toscanini he was a manager of the orchestra.

According to letters from listeners, the hour of Slumber Music is one of the most popular programs on the air. Thousands and thousands of listeners sit up to hear the program. Many listeners have sought a device to automatically cut off their set upon conclusion of the program.



FLORENCE WRIGHTMAN, Harpist

# RADIO PARSON Begins Career as MINE LABORER

**W**HEN Dr. S. Parkes Cadman steps up to the radio pulpit every Sunday afternoon at 4 o'clock (New York Time), perhaps 200 people can see as well as hear him. But to get the number of his radio congregation one must multiply the visible audience by at least 10,000—and an estimate of 2,000,000 listeners is considered low. The 90-minute program goes on the air over 20 stations.

The life history of Dr. Cadman some day may be the basis for a biographical novel. He was born in Shropshire, England, in 1864. His father, a miner, young Cadman entered the mines at an early age and labored underground for years. He learned to read and devoted his spare time to reading everything available. Literature was at a premium, however, for the mining town had no public library.

Then came the call to the ministry and the young miner entered a theological college in London. While a student there an American bishop heard him preach and told him he'd find a church for him if he would come to America.

As soon as the youngster finished his studies he scraped together enough money to buy passage to the United States.

His first pulpit was in Millbrook, N. Y., a small farming town. Within a few weeks the young Englishman became known as "the preaching marvel," and extra chairs had to be put into the village church to accommodate the crowds.

His rise in the ministry from then on was rapid. In a few years he went to Yonkers and then on to the Metropolitan Temple in New York City.

Later he became pastor of the Central Congregational Church in Brooklyn, his present

position. Two years ago he was selected president of the Federal Council of Churches of Christ in America.

He has been pastor to a radio congregation for three years.

Dr. Cadman receives thousands of letters each week from members of his congregation throughout the country asking his advice on almost every subject imaginable. He tries to answer as many of these letters as possible.



DR. S. PARKES CADMAN

# LEARN to COOK via RADIO

**T**HE modern housekeeper cannot plead ignorance if her job isn't managed as it should be and if there's a radio receiving set in her home. Information, direction, hints, recipes and advice are everywhere at hand. If she turns to her radio, she can learn everything from how to handle a can-opener to the proper method to prepare the latest concoction of Paris chefs.

From the time the male member of the domestic firm has gulped his coffee and dashed to the office until a short time before he comes home at night, there's something on the air that is of special interest to women.

Radio recipes are old stand-bys. Talks on how to raise children have been on the air for years. Now the program makers are discussing everything from the effect of teeth on the personality to instruction on painting the back porch.

A week of daytime programs on the air from stations gives an idea of the wide variety of broadcast material.

Radio Household Institute is on the air every day. Information on housekeeping is sugar-coated in this program, the fact being presented in brief dramatic sketches. The *National Home Hour*, a semi-weekly feature, also mixes entertainment with instruction.

Mrs. Julian Heath discusses food every day under a program known as "Your Daily Menu." Dr. Royal S. Copeland is on the air four times a week with information on pure foods. The Forecast School of Cookery is broad-

cast three times a week. Talks on slenderizing—that's ritz for reducing—are broadcast weekly by Miss Majorie Dork, a specialist on reducing methods. Miss Jeanne Carpenter, another expert, talks once a week on investments for women.

Glancing through the program one may note talks on wallpaper, the effect of colored sheets on disposition, the proper care of teeth, how to cook in a kitchenette, taming wildflowers and a course in making gifts out of crepe paper.

A mattress company sponsors a talk on how to relax. Lace manufacturers, by means of a fifteen minute talk, tell how one can look out without letting the too-curious look in.

"Do You Know Your Onions?" is the title of a talk on fruits and vegetables. Betty Crocker has a talk on how to fill lunch baskets. Winter fashions are discussed by a writer from a fashion magazine. An expert on such things in fifteen minutes tells how to make a rock garden—but it takes longer than that to do it.

Advice on opening a candy shop or a tea room goes on the air. Then there's a talk on the relative merits of various schools and colleges.

Then there are vocational talks, inspirational talks, educational talks—in fact, no matter what the chief interest or hobby of the woman listener, sometime during a week she'll be able to hear an interesting radio discussion.

Somebody should make a survey of husbands to find out whether they are being better fed as a result of all the radio instruction.



MRS. JULIAN HEATH

# Do You LISTEN to Distant Stations?

ONLY about 19 per cent of the listeners are interested in distant stations, according to Frank A. Arnold, director of Development of the National Broadcasting Company. Arnold has just completed a survey covering personal interviews with 17,099 families, which was made under the direction of Dr. Daniel Starch, of Cambridge, Mass. The survey revealed the following:

The average set in use has five or six tubes.

The radio fan listens to the radio on an average of 850 hours a year.

The most popular radio hours are between 8 and 10 p. m., and the noon hour and dinner hours have about an equal number of listeners.

Three quarters of the persons interviewed and who owned radio sets said they listened about equally all evenings of the week, while an additional twenty-four per cent reported listening more on Saturdays and Sundays.

Crystal sets are more or less relegated to the past; the survey disclosing less than four per cent of the families interviewed owning crystal sets.

Radio sets are in use in the summer time nearly as much as any other season of the year.

"At one time the crystal set predominated in all sections of the country as being the most economical and generally efficient way of obtaining the radio message," says Mr. Arnold. "Today, the preference for the modern receiving set and loud speaker is such, and the range of price so elastic, that these modern sets have largely taken the place of the oldtime crystal sets, as less than four per cent of the families interviewed report their use.

"The use of the radio in the summertime has always been a matter of dispute, with no proof offered in evidence. This survey by Dr.



JOHN W. ELWOOD  
N. B. C. Program Manager

Starch has revealed conclusively, the fact that the radio receiving set is in use nearly as much in the summer as in any other season of the year. Of the families interviewed, seventy-eight per cent stated they used the radio whenever the summer sojourn made this possible, or obtaining access to radio programs through use of a portable set or the radio in the hotel where they were spending their vacation.

Another question of dispute, was the extent to which the "DX" or distance seeking radio fans, were continuing to be a factor in the situation. It will be remembered at one time the desire for obtaining distance was so strong as to create in many cities what was known as the "silent night." This survey shows that seventy-three per cent owning radio receiving sets tune in regularly to one or two favorite stations, while only nineteen per cent are interested in seeking distant stations."

It is not believed that the survey gives a true picture of distance listening. While it is probable that 73 per cent of the listeners tune in on a favorite station most of the time, it is believed to be true also that a large number of the 73 per cent seek distant stations occasionally.

## Gossip of the Studios

An appeal has been made by the Lord's Day Alliance to the Federal Radio Commission to bar from the air anything but religious music and sermons on Sunday.

In reply to the request, Louis Caldwell, general counsel for the Radio Commission, said that the Commission has no power to censor the quality of broadcasting in any such manner.

Way up in the Rocky Mountains, 8,500 feet to be exact, radio brings civilization to a lonely man. In a letter, F. W. Dohley, a "trapper and fur farmer," lauds the comforts of picking up light opera in an environment where snow drifts to a man's height, winds shriek, and coyotes howl.

"If you could listen in under the same circumstances as I do," Dohley writes, "you might realize what is being done for so many people, brightening their lives, and making life worth living. Sitting by a huge fire full of logs, with seven fine police dogs, all peacefully lying around, I am listening to a wonderful program."

But it isn't all snow and wind in the Rockies. There is this afterthought from Mr. Dohley: "If ever it should be your good fortune to visit Colorado and the Rockies in summer, look me up. Summer is all sunshine, tourists, trout fishing and other pleasures."

It was a case of waiting at the church. Only the bride and groom waited together for the orchestra that was to play the wedding march. All of the small New Jersey town were waiting to cheer the newlyweds, who couldn't be wed because the musicians failed to arrive.

It was at this point that somebody telephoned to a New York station and asked that a wedding march be broadcast. It was impossible for the station to comply with the request. Fortunately the musicians put in a belated appearance and the wedding proceeded.

Many so-called freak instruments such as musical saws, glasses and jugs have been revealed as real musical instruments when broadcast, according to musical experts.

The novel appearance of a man getting music from a saw or blowing a melody from a jug long has had a definite attraction for theatre-goers. When such artists applied for radio jobs, the program makers were dubious. Auditions revealed, however, that the music from a musical saw is beautiful when picked up by a microphone and that the deep note of the jug, when blown, can be transmitted perfectly.

Musical glasses also can be broadcast successfully, it has been demonstrated.

The man who can play "Dixie" on a bicycle pump hasn't had his chance on the air as yet.

When Henry M. Hyde gives his talks on astronomy at San Francisco, he is heard in Honolulu, 2,400 miles away, by his daughter. According to letters he has received from his daughter, she has little difficulty in picking up his broadcast talk.

The radio entertainer or announcer is denied one source of criticism enjoyed by others amusing the public. The radio performer can't hear his or her own voice as it comes through the speaker from the air.

In movieland, star, featured player, or just extra, may always see themselves as others see them. Phonographic artists may enjoy their own voices as long as they wish for the expenditure of a small sum. Likewise is the talkie player a privileged listener to his own vocal talents and may view himself at countless picture houses. Even the "legit" performer is able to judge the effect of his efforts by direct contact with his audience.

# When You Say it —Smile

**I**T isn't so much what the announcer says into the mike as what he doesn't say."

In 1924, George Dewey Hay of WSM, known to radio listeners as "The Solemn Old Judge," was voted the most popular announcer in the world. Perhaps observance of the above bit of philosophy helped. Perhaps adherence to his slogan, "Never Fail To Broadcast A Smile" had something to do with it.

Mr. Hay was born in Attica, Indiana, and spent ten years of his life in the Hoosier town. Before his debut as a radio announcer he was a newspaper reporter and feature writer on the Memphis Commercial Appeal. He brought every bit of this experience to his radio work and regards radio as practically a new kind of newspaper, with a circulation running into the millions. "The announcer must have a nose for news," he says. "Radio is the world's newspaper and the announcers are its reporters."

"The Solemn Old Judge" took his first radio steps as chief announcer for WMC, the Commercial Appeal station, at Memphis, Tenn. Everybody in the southland listened in on George Hay when he started down the Mississippi River from WMC with his "Hushpuckiny," a river boat whistle. Within a year both the announcer and the Memphis station were known wherever people talked or listened "via radio." The "Hushpuckiny" was Hay's original idea and it floated over the southland like an invisible boat steaming down the inland streams.

Then Hay deserted the South for Chicago about two years ago to become chief announcer for WLS there; he left the "Hushpuckiny" in Memphis and started across country with the locomotive as his radio vehicle. Radio listeners soon learned that when they tuned in on the long, hoarse whistle of the locomotive they would hear the familiar, cheery voice of "The



THE SOLEMN OLD JUDGE

Solemn Old Judge" in another second; "WLS-Chicaw-go, the WLS Unlimited is starting on its daily transcontinental trip over the trackless paths of the air."

While in Chicago, Hay was the chief cog in the human appeal sent out over radio following a tornado which cut a swath of death and destruction in Missouri, Illinois, Indiana, Kentucky, and Tennessee. "The Solemn Old Judge," with the quick judgment and action required through his newspaper training, immediately started to broadcast appeals for financial aid for the victims over WLS. A relief fund was started, and night and day "The Solemn Old Judge" was at the microphone with little sleep and drinking black coffee to keep him awake. His voice rang with pathos as he told of the afflictions the tornado had wrought in the homes of hundreds of families and at the close of the radio relief drive, WLS had raised more than a quarter of a million dollars.

But a few months ago, Hay's longing for the southland caused him to return to Tennessee and he accepted the position of director and chief announcer of WSM. Hay is known everywhere as "The Solemn Old Judge," because of the quaint dialect stories.

# Comment By Our Readers

## Splendid!

This is the first Bulletin I have had the pleasure of reading. One of the most particular features that appeals to me is the sketches of the different announcers; after hearing their voices so much it is interesting to see their photos and read about them.

Putnam, Conn.

MRS. GEO. F. LOCKWOOD.

## Anyway, the Log is Good

I do not care for the news articles you include in your last issue and in fact, I promptly cut them out without reading them. I also dislike the size, I very much prefer the old size.

Schenectady, N. Y.

D. B. BULLER.

## We're Sorry

Your Bulletin in the old form was fine, so fine that not being able to get a copy of this season's edition here, I wrote to you for one. The New Bulletin is sadly disappointing. You have put a lot of matter not properly belonging to a list and left out the table of distances. You appear to think that all sets in use at this time are of one dial, so have left no space for insertion of dial readings. I have removed the unsightly cover, cut out all extraneous matter and now have a *most* unsatisfactory bulletin, though better than as issued. Personally I do not want a radio magazine when in need of a list of stations, and the next copy of a station list that I buy will not be a Stevenson's.

Bethlehem, Pa.

T. F. NEWBOY.

## Disappointed

Am writing to tell you how disappointed I am in the New Radio Bulletin. Your old one was fine as it was very easy to use but this is such fine print it tries your eyes. I don't suppose this is nice of me to write this but I did enjoy the Old Log; it was a handy size and the print was good size to read.

Enosburg Falls, Vt.

MRS. V. T. BURT.

## Thanks

I like Stevenson's very much and find it the best on the market.

High Point, N. C.

ROBT. M. ENGLISH.

## Bulletin Improved!

I received the November issue of Stevenson's Bulletin in yesterday's mail and think the new arrangement of stations a great improvement over the old way of listing them and like the book arranged this way much better. I should also like to have you send me the latest bulletin.

New Bedford, Mass.

EVERETT E. FORD.

Now a wonderful magazine.

Danville, Va.

DR. B. P. JONES.

## Doesn't Want News

I appreciate the station date as you have it in three forms so I can use "cross reference" to locate a station. News items are best printed elsewhere.

Denver, Colo.

H. H. BUCKWALTER.

## Fine!

I have logged 400 stations in two years, and this could only be done with the help of Stevenson's Radio Bulletin.

New York City, N. Y.

CHAS. L. MORGAN.

## A Cash Customer

I am afraid your wave length will be cut out by not publishing a lot of advertisements for us to worry over. But keep up the good work, I would buy the bulletin if for no other reason.

Tampa, Fla.

W. R. ALEXANDER.

## Help, Police

I only like to see, that the police finds at once and stops all the maddening noises of neighbors with Regenerative Sets, Warming Pads, Vacuum Cleaners, Battery Charges, etc., and hangs all people who sing like intoxicated Porkupines. Also fill steamers with jazz players and sink them 12 miles deep in the Pacific Ocean, these (censored).

Seattle, Wash.

C. A. G.

## Likes Stevenson's

I especially like the compact arrangement of information in Stevenson's Radio Bulletin and have used it regularly and to advantage for two years.

Dallas, Texas,

W. L. CARGILL.

# American Cities Having Broadcasting Stations

**A**N alphabetical list of all places in the United States having broadcasting stations; it can be used to find the station when the call letters are missed but the name of the city is heard; following it are lists of Canadian, and Cuban cities having stations.

Aberdeen, Wash.-----	KXRO	Clarksburg, W. Va.-----	WQBJ	Grand Rapids, Mich.-----	WASH
Abilene, Texas.-----	KFYO	Clay Center, Nebr.-----	KMMJ	Greeley, Colo.-----	KFKA
Akron, Ohio.-----	WADC, WFJC	Clearwater, Fla.-----	WSUN, WFLA	Greensboro, N. C.-----	WNRC
Albuquerque, N. Mex.-----	KGGM	Cleveland, Ohio.-----	WEAR, WHK, WJAY, WTAM.	Greenville, Miss.-----	WRBQ
Allentown, Pa.-----	WCBA, WSAN	Cliffside, N. J.-----	WCDA, WPAP, WQAO.	Greenville, N. Y.-----	WCOH
Altoona, Pa.-----	WFBG	College Station, Texas.-----	WTAW	Greenville, Texas.-----	KFPM
Alva, Okla.-----	KGFF	Collegeville, Minn.-----	WFBJ	Grove City, Pa.-----	WSAJ
Amarillo, Texas.-----	KGRS, WDAG	Colorado Springs, Colo.-----	KFUM	Gulfport, Miss.-----	WGCM
Ames, Iowa.-----	KFQD	Columbia, Mo.-----	KFRU	Gunnison, Colo.-----	KFHA
Anchorage, Alaska.-----	WHBU	Columbia, S. C.-----	WRBV	Hallock, Minn.-----	KGPK
Anderson, Ind.-----	NAA	Columbus, Ga.-----	WRBL	Hammond, Ind.-----	WVAE
Arlington, Va.-----	WCAP	Columbus, Miss.-----	WCOC	Hamilton, Ohio.-----	WRK
Asbury Park, N. J.-----	WVNC	Columbus, Nebr.-----	KGBY	Harlington, Texas.-----	KRGV
Asheville, N. C.-----	KFJI	Columbus, Ohio.-----	WATU, WCAH, WEAO, WMAN.	Harrisburg, Ill.-----	WEBQ
Astoria, Oreg.-----	WGST, WSB, WTHS	Concordia, Kans.-----	KGCN	Harrisburg, Pa.-----	WBAK, WPRC
Atlanta, Ga.-----	WPG	Coney Island, N. Y.-----	WCGU	Harrison, Ohio.-----	WLW
Atlantic City, N. J.-----	WAPI	Corvallis, Oreg.-----	KOAC	Hartford, Conn.-----	WTIC
Auburn, Ala.-----	WMBO	Council Bluffs, Iowa.-----	KOIL	Hattiesburg, Miss.-----	WRBJ
Auburn, N. Y.-----	KUT	Coytesville, N. J.-----	WRNY	Have, Mont.-----	KFBB
Austin, Texas.-----	WBAL, WCAO, WFBR, WCBM.	Cranston, R. I.-----	WDWF, WLSI	Hayward, Calif.-----	KZM
Bangor, Maine.-----	WABI, WLBZ	Culver, Ind.-----	WCMA	Hoboken, N. J.-----	WPCH, WMCA
Batavia, Ill.-----	WORD	Culver City, Calif.-----	KFVD	Hollywood, Calif.-----	KFQZ, KMTR, KFWB, KNX.
Battle Creek, Mich.-----	WKBP	Cumberland, Md.-----	WTBO	Holy City, Calif.-----	KFQU
Bay City, Mich.-----	WBCM	Dallas, Texas.-----	KRLD, WFAA, WRR.	Honolulu, Hawaii.-----	KGHB, KGU
Bayshore, N. Y.-----	WJNR	Dartmouth, Mass.-----	WMAF	Hopkinsville, Ky.-----	WF1W
Beaumont, Texas.-----	KFDM	Davenport, Iowa.-----	WOC	Hot Springs, Ark.-----	KTHS
Bellingame, Wash.-----	KVOS	Dayton, Ohio.-----	WSMK	Houston, Texas.-----	KPRC, KTUE
Bellefontaine, Ohio.-----	WHBD	Decatur, Ill.-----	WJBL, WBAO	Humboldt, Nebr.-----	KGDV
Bellmore, N. Y.-----	WEAF	Decorah, Iowa.-----	KGCA, KWLC	Huntington, W. Va.-----	WSAZ
Beloit, Wis.-----	WEBW	Dell Rapids, S. Dak.-----	KGDA	Idaho Falls, Idaho.-----	KGIO
Berkeley, Calif.-----	KREI	Denver, Colo.-----	KFEL, KFUP, KLZ, KOA, KOW, KPOF.	Independence, Mo.-----	KMBC, KLDS
Berrien Springs, Mich.-----	WEMC	Des Moines, Iowa.-----	WHO	Indianapolis, Ind.-----	WFBM, WKBF
Beverly Hills, Calif.-----	KEJK	Detroit, Mich.-----	WAFD, WBMH, WWJ, WGHP, WMBC.	Inglewood, Calif.-----	KMIC
Billings, Mont.-----	KGHL	Devils Lake, N. Dak.-----	KDLR	Iowa City, Iowa.-----	WSUI
Binghamton, N. Y.-----	WNBF	Dublin, Texas.-----	KFPL	Ithaca, N. Y.-----	WLCI
Birmingham, Ala.-----	WBRC, WKBC	Easton, Conn.-----	WICC	Jackson, Mich.-----	WIBM
Bismark, N. Dak.-----	KFJR	Edgewater, Colo.-----	KFXJ, KFXP	Jacksonville, Fla.-----	WJAX
Blytheville, Ark.-----	KLCN	El Centre, Calif.-----	KGEB	Jamaica, N. Y.-----	WMRJ
Boise, Idaho.-----	KFAU	Elgin, Ill.-----	WTAS	Jamestown, N. Y.-----	WOCL
Boone, Iowa.-----	KFGQ	Elizabeth, N. J.-----	WIBS	Jefferson City, Mo.-----	WOS
Boston, Mass.-----	WBET, WBIS, WBZA, WBEI, WMES, WNAC, WSSH.	Elkins Park, Pa.-----	WIBG	Jerome, Idaho.-----	KFXD
Boundbrook, N. J.-----	WJZ	El Paso, Texas.-----	WDAH	Jersey City, N. J.-----	WKBO, WAAT
Brookings, S. Dak.-----	KFDY, KGCR	Engleside, N. J.-----	WHPP	Johnstown, Pa.-----	WHBP
Brooklyn, N. Y.-----	WSGH, WSDA, WBBC, WLTH, WMBQ.	Enid, Okla.-----	KGCB	Joliet, Ill.-----	WCLS, WKBB
Brookville, Ind.-----	WKBV	Erie, Pa.-----	WEDH, WRAK	Joplin, Mo.-----	WMBH
Brownsville, Texas.-----	KWWG	Eugene, Oreg.-----	KORE	Juneau, Alaska.-----	KFU
Brownwood, Texas.-----	KGKB	Everett, Wash.-----	KFBL	Kalspell, Mont.-----	KGEZ
Buffalo, N. Y.-----	WEBR, WGR, WKBW, WKBN, WSVS.	Evansville, Ind.-----	WGBF	Kansas City, Mo.-----	KWKX, WDAF, WLBF, WBB, WOQ.
Burbank, Calif.-----	KELW	Evansville, Ind.-----	WGBF	Kearney, N. J.-----	WLWL
Burlington, Vt.-----	WCAX	Fall River, Mass.-----	WSAR	Kellogg, Idaho.-----	KFEY
Butte, Mont.-----	KGJR	Fargo, N. Dak.-----	WDAY	Kenmore, N. Y.-----	WKEN
Calumet, Mich.-----	WHDF	Farmingdale, N. Y.-----	WLBH	Kenosha, Wis.-----	WCLO
Cambridge, Ohio.-----	WEBE	Fayetteville, Ark.-----	KUOA	Ketchikan, Alaska.-----	KGBU
Camden, N. J.-----	WCAM	Fergus Falls, Minn.-----	KGDE	Kingston, Pa.-----	WABF
Canton, N. Y.-----	WCAD	Flagstaff, Ariz.-----	KFXJ	Kirksville, Mo.-----	KFKZ
Canton, Ohio.-----	WHBC	Flint, Mich.-----	WFDE	Kirkwood, Mo.-----	KMOX
Cape Girardeau, Mo.-----	KFVS	Fond du Lac, Wis.-----	KFIZ	Knoxville, Tenn.-----	WFBC, WNB, WNOX.
Carbondale, Pa.-----	WNBW	Fort Dodge, Iowa.-----	KFJY	Kokomo, Ind.-----	WJAK
Carlstadt, N. J.-----	WHAP	Fort Lee, N. J.-----	WBMS	Lacey, Wash.-----	KGJ
Carthage, Ill.-----	WCAZ	Fort Morgan, Colo.-----	KGEW	Laconia, N. H.-----	WKAV
Casnovia, N. Y.-----	WMAC	Fort Wayne, Ind.-----	WOWO, WGL	La Crosse, Wis.-----	WKBH
Cedar Grove, La.-----	KGGH	Fort Worth, Texas.-----	KTAT	Lafayette, Ind.-----	WBA
Cedar Rapids, Iowa.-----	KWCR	Frankford, Pa.-----	WFKD	Lakeland, Fla.-----	WMBL
Central City, Nebr.-----	KGES	Freeport, N. Y.-----	WGBB	Lancaster, Pa.-----	WGAL, WK/C
Charleston, S. C.-----	WBBY	Fresno, Calif.-----	KMJ	Lansing, Mich.-----	WKAR
Charleston, W. Va.-----	WOBV	Fridley, Minn.-----	WRHM	La Porte, Ind.-----	WRAF
Charlotte, N. C.-----	WBT	Furnwood, Mich.-----	WOOD	Lapeer, Mich.-----	WMPC
Chattanooga, Tenn.-----	WDOD	Gadsden, Ala.-----	WJBY	Laramie, Wyo.-----	KFBU
Chelsea, Mass.-----	WLOE	Gainesville, Fla.-----	WRUF	La Salle, Ill.-----	WJBC
Chicago, Ill.-----	KFKX, KYW, WAAF, WBBM, WBCN, WCFL, WCRW, WEBH, WEDC, WENR, WGES, WGN, WHFC, WHT, WJBT, WKBI, WL1B, WLS, WMAQ, WMBI, WPC, WSBC, KYWA.	Galveston, Texas.-----	KFLX, KFUL	Lawrence, Kans.-----	KFKU, WREN
Chickasha, Okla.-----	KOCW	Gary, Ind.-----	WJKS	Lawrenceburg, Tenn.-----	WOAN
Cincinnati, Ohio.-----	WAAD, WFBE, WSAI, WKRC, WLW.	Gastonia, N. C.-----	WRBU	Lemoyne, Pa.-----	WMBB
Clarinda, Iowa.-----	KSO	Glendale, Calif.-----	KGFB	Lewisburg, Pa.-----	WJBU
		Glenview, Ill.-----	WBBM	Lexington, Mass.-----	WLEX
		Gloucester, Mass.-----	WEPS, WHOH	Lincoln, Nebr.-----	KFAB, WCAJ, KFOR.
		Grand Forks, N. Dak.-----	KFJM	Littlerock, Ark.-----	KLRA, KGHI, KGJF.
		Grand Island, Nebr.-----	KGEO	Lockport, N. Y.-----	WMAK
				Long Beach, Calif.-----	KFOX, KGER
				Longbeach, N. Y.-----	WCLB
				Long Island City, N. Y.-----	WLBX
				Longview, Wash.-----	KUJ

Los Angeles, Calif.---KFI, KEGF, KFSG, KGFJ, KHL, KPLA, KTBI.  
 Louisville, Ky.---WHAS, WLAP  
 Ludington, Mich.---WKBZ  
 Macon, Ga.---WMAZ  
 Madison, Wis.---WHA, WIBA  
 Manchester, N. H.---WRBH  
 Mandan, N. Dak.---KCGU  
 Manhattan, Kans.---KSAC  
 Manitowoc, Wis.---WOMT  
 Mansfield, Ohio---WLBV  
 Marshalltown, Iowa---KFJB  
 Marshfield, Oreg.---KOOS  
 Mason, Ohio---WSAI  
 McGehee, Ark.---KGGH  
 Medford, Oreg.---KMED  
 Memphis, Tenn.---WGBC, WBBQ, WMBM, WMC, WNBK.  
 Miami, Fla.---WMBF, WIOD, WQAM.  
 Middletown, Ohio---WSRO  
 Milford, Kans.---KFKB  
 Milwaukee, Wis.---WHAD, WTMJ, WISN.  
 Minneapolis, Minn.---WDGY, WHDI, WLB, WGM, WCCO.  
 Missoula, Mont.---KGHD, KUOM  
 Montgomery, Ala.---WIBZ  
 Mooseheart, Ill.---WJJD  
 Mt. Beacon, N. Y.---WOKO  
 Mt. Prospect, Ill.---WIAZ  
 Mt. Vernon Hills, Va.---WJVS  
 Muncie, Ind.---WLBC  
 Muscatine, Iowa---KTNT  
 Nashville, Tenn.---WBAW, WLAC, WSM.  
 Newark, N. J.---WAAM, WGCP, WNJ, WOR.  
 New Bedford, Mass.---WNBH  
 New Haven, Conn.---WDRS  
 New Orleans, La.---WABZ, WDSU, WJBO, WJBW, WSMB, WWL.  
 Newport, R. I.---WMBA  
 Newport News, Va.---WNEW  
 New York, N. Y.---WABC, WBNY, WBAF, WGES, WHAP, WHN, WHPP, WJZ, WKBQ, WLWL, WMCA, WMSG, WNYC, WOV, WNY.  
 Norfolk, Neb.---WJAG  
 Norfolk, Va.---WBBW, WPOR, WTAR.  
 Norman, Okla.---WNAD  
 Northfield, Minn.---KFMX, WCAL  
 Oakland, Calif.---KFWM, KGO, KLS, KKLX, KTAB.  
 Ogden, Utah---KFUR  
 Oil City, Pa.---WLBW  
 Oklahoma City, Okla.---KFJF, KFXX, KGCB, KGFG, WKY.  
 Oldham, S. Dak.---KGDY  
 Omaha, Nebr.---WAAW, WOW  
 Ontario, Calif.---KFWC  
 Orlando, Fla.---WDBO  
 Ottumwa, Iowa---WIAS  
 Pasadena, Calif.---KPPC, KPSN  
 Paterson, N. J.---WODA  
 Pawtucket, R. I.---WPAW  
 Pensacola, Fla.---WCOA  
 Peoria, Ill.---WMBD  
 Petersburg, Va.---WABY, WLBG  
 Philadelphia, Pa.---WABY, WCAU, WFAN, WFI, WHBW, WIAD, WIP, WLIT, WNAT, WOO, WPSW, WRAX.  
 Phoenix, Ariz.---KFAD, KFBC  
 Picher, Okla.---KGGF  
 Pierre, S. Dak.---KGFY  
 Pittsburgh, Pa.---KDKA, KQV, WCAE, WJAS.  
 Plainfield, N. J.---WEAM  
 Pocatello, Idaho---KSEI  
 Pontiac, Mich.---WCX, WJR  
 Portland, Maine---WCSH  
 Portland, Oreg.---KBX, KFEC, KFIE, KFJR, KGW, KOIN, KTBR, KWBS, KWJJ, KXL.  
 Portsmouth, Va.---WSBA  
 Poynette, Wis.---WIBU  
 Prescott, Ariz.---KPJM  
 Providence, R. I.---WEAN, WJAR  
 Pueblo, Colo.---KGDG, KGHA, KGHF.  
 Pullman, Wash.---KWSC

Quincy, Ill.---WTAD  
 Racine, Wis.---WRJN  
 Raleigh, N. C.---WPTF  
 Rapid City, S. Dak.---WCAT  
 Raton, N. Mex.---KGFL  
 Ravenna, Nebr.---KGFV  
 Reading, Pa.---WRAW  
 Red Bank, N. J.---WJBI  
 Red Oak, Iowa---KICK  
 Reno, Nevada---KOH  
 Richmond, Tex.---KGHX  
 Richmond, Va.---WBBL, WMBG, WRVA, WTAZ.  
 Richmond Hill, N. Y.---WABC, WBOQ.  
 Roanoke, Va.---WDBJ, WRBX  
 Rochester, N. Y.---WABO, WHAM, WHEC, WNBQ.  
 Rockford, Ill.---KFLV  
 Rock Island, Ill.---WHBF  
 Rossville, N. Y.---WBBR  
 Royal Oak, Mich.---WAGM  
 Sacramento, Calif.---KFBK  
 Salisbury, Md.---WBES  
 Salt Lake City, Utah---KDYL, KSL.  
 San Angelo, Texas---KGFJ  
 San Antonio, Texas---KGCI, KGDR, KGRC, KTAP, KTSB, WOAI.  
 San Diego, Calif.---KGB, KFSD  
 Sand Point, Idaho---KGGX  
 San Francisco, Calif.---KFRC, KFVI, KGTT, KJBS, KPO, KYA.  
 San Jose, Calif.---KQW  
 San Juan, P. R.---WKAQ  
 Santa Ana, Calif.---KWTC  
 Santa Barbara, Calif.---KFCR  
 Santa Maria, Calif.---KSMR  
 Santa Monica, Calif.---KNRC  
 Saranac Lake, N. Y.---WNBZ  
 Sarasota, Fla.---WSIS  
 Schenectady, N. Y.---WGY  
 Scranton, Pa.---WQAN, WGBI  
 Seattle, Wash.---KOL, KPQW, KJB, KKP, KOMO, KPCB, KPQ, KRSC, KTW, KUJ, KVL, KXA.  
 Secaucus, N. J.---WOV  
 Sheboygan, Wis.---WHBL  
 Shenandoah, Iowa---KFNF, KMA  
 Shreveport, La.---KRMD, KSBA, KWEA, KWKH.  
 Sioux City, Iowa---KFMR, KSCJ  
 Sioux Falls, S. Dak.---KSOO  
 South Bend, Ind.---WSBT  
 Spokane, Wash.---KHQ, KPFO, KFPY, KGA.  
 Springfield, Ill.---WCBS  
 Springfield, Mass.---WBZ  
 Springfield, Ohio---WC50  
 Springfield, Tenn.---WSIX  
 Springfield, Vt.---WNBX  
 St. Joseph, Mo.---KFEQ, KGBX  
 St. Louis, Mo.---KFQA, KFUA, KFWF, KMOX, KSD, KWK, WEW, WIL, WMAV.  
 St. Paul, Minn.---KSTP  
 State College, N. Mex.---KOB  
 State College, Pa.---WPSC  
 Steubenville, Ohio---WBR  
 Stevens Point, Wis.---WLBL  
 Stockton, Calif.---KGDM, KWG  
 Storrs, Conn.---WCAC  
 Streator, Ill.---WTAX  
 Sulphur Springs, Ark.---KFPW  
 Superior, Wis.---WEBC  
 Syracuse, N. Y.---WFBL, WSJR  
 Tacoma, Wash.---KMO, KVI  
 Tampa, Fla.---WDAE, WMBR  
 Terre Haute, Ind.---WBOW  
 Tifton, Ga.---WRBI  
 Tilton, N. H.---WBR  
 Toole, Ga.---WTFI  
 Toledo, Ohio---WSPD  
 Topeka, Kans.---WIBW  
 Trenton, N. J.---WOAX  
 Trinidad, Colo.---KGIW  
 Troy, N. Y.---WHAZ  
 Tucson, Ariz.---KGR  
 Tulsa, Okla.---KVOO  
 Tuscola, Ill.---WDZ  
 Twin Falls, Idaho---KGIQ  
 Union City, Tenn.---WOBT  
 Urbana, Ill.---WRM

Utica, Miss.---WQBC  
 Utica, N. Y.---WIBX  
 Valparaiso, Ind.---WRBC  
 Vermillion, S. Dak.---KUSD  
 Vida, Mont.---KGCX  
 Waco, Texas---WJAD  
 Washington, D. C.---WMAL, WRC, WOL.  
 Washington, Pa.---WNBO  
 Washington, Wisc.---WTAQ  
 Waterloo, Iowa---WJAM  
 Wayne, Nebr.---KGCX  
 Webster, Mass.---WKBE  
 Weirton, W. Va.---WQBZ  
 Wellesley Hill, Mass.---WBSO  
 Wescott, Minn.---KSTP  
 West de Pere, Wis.---WHBY  
 Westminster, Calif.---KPWF  
 Wheeling, W. Va.---WVVA  
 White Haven, Tenn.---WREC  
 Wichita, Kans.---KPH  
 Wichita Falls, Tex.---KGKO  
 Wilkes-Barre, Pa.---WBAX, WBRB  
 Willow Grove, Pa.---WALK  
 Wilmington, Del.---WDEL, WILM  
 Wilmington, N. C.---WRBT  
 Woodside, N. Y.---WVRL  
 Woodhaven, N. Y.---WEVD  
 Worcester, Mass.---WTAG  
 Yankton, S. Dak.---WNAX  
 York, Nebr.---KGBZ  
 Youngstown, Ohio---WKBN, WMBW.  
 Ypsilanti, Mich.---WJBK  
 Yuma, Colo.---KGEK  
 Zion, Ill.---WCBD

Canadian Cities

Bowmanville, Ont.---CKGU  
 Brantford, Ont.---CFYC  
 Burnaby, B. C.---CFYC  
 Calgary, Alta.---CFAC-CNRC, CFCC-CNRC, CJCJ-CHCA.  
 Charlottetown, P. E. I.---CFYC  
 Chilliwack, B. C.---CHWK  
 Cobalt, Ont.---CKMC  
 Edmonton, Alta.---CHCY-CNRC, CHMA, CJCA, CKUA.  
 Frederickton, N. B.---CFNB  
 Halifax, N. S.---CHNS  
 Hamilton, Ont.---CHML, CHCS, CHOC.  
 Iroquois Falls, Ont.---CFCH  
 Kamloops, B. C.---CFJC  
 King, York Co., Ont.---CFRB  
 Kingston, Ont.---CFMC, CFRC  
 London, Ont.---CJGO  
 Midland, Ont.---CKPR  
 Mission City, B. C.---CJCU  
 Moncton, N. B.---CNRA  
 Montreal, P. Q.---CFCC-CNRM, CHYC, CKAC-CNRM.  
 Moose Jaw, Sask.---CJRM  
 Ottawa, Ont.---CKCO, CNRO  
 Prescott, Ont.---CFCL  
 Preston, Ont.---CKPC  
 Quebec, P. Q.---CHRC, CKLC, CKCV-CNRO.  
 Red Deer, Alta.---CKCL  
 Regina, Sask.---CKLC-CHCT, CJCR, CHWO, CKCK-CNRR, CJBR.  
 St. George---CKCR  
 St. Hyacinthe, P. Q.---CKSH  
 Saskatoon, Sask.---CFQC-CNRS, CHUC, CJWC.  
 Scarborough Ont.---CJYC-CKCX, CKOW.  
 Sea Island, B. C.---CJOR  
 Summerside, P. E. I.---CHGS  
 Toronto, Ont.---CFCA-CKSM, CNRT, CHIC-CHNC, CKNC, CKCL-CJSC, CKNC.  
 Unity, Sask.---CHSC  
 Vancouver, B. C.---CFQC, CKCD, CHPC, CKFC, CKWX, CNRV.  
 Victoria, B. C.---CFCT  
 Winnipeg, Man.---CKY  
 Yorktown, Sask.---CJGX

Cuban Cities

Cienfuegos ---6BY  
 Elia ---7SR  
 Habana ---PWX, 20K, 20L  
 Tuinucu ---6KW

# Alphabetical List of American Stations

**A**N arrangement of stations, alphabetically, according to call letters, with the frequency of the station; the owner, location and power can be ascertained by referring to the BROADCASTING LOG, where the station can be found under the wave length or frequency herein designated:

Call Signal	Fre- quency	Call Signal	Fre- quency	Call Signal	Fre- quency	Call Signal	Fre- quency	Call Signal	Fre- quency	Call Signal	Fre- quency
KDKA	980	KFUO	550	KGHF	1320	KPPC	1200	WAAF	920	WCBM	1370
KDLR	1210	KFUP	1310	KGHG	1310	KPQ	1210	WAAM	1250	WCBS	1210
KDYL	1290	KFUR	1370	KGHI	1500	KPRC	920	WAAT	1070	WCCO	810
KEJK	1250	KFVD	700	KGHL	950	KPSN	950	WAAW	660	WCDA	1350
KELW	780	KFVS	1210	KGHX	1500	KPWF	1490	WABC	860	WCFL	970
KEX	1180	KFWB	950	KGIO	1320	KQV	1380	WABF	1440	WCGU	1400
KFAB	770	KFWC	1200	KGIQ	1320	KQW	1010	WABI	1200	WCLB	1500
KFAD	620	KFWF	1200	KGIR	1360	KRE	1370	WABO	1440	WCLO	1200
KFAU	1250	KFWI	930	KGIW	1420	KRGV	1260	WABY	1310	WCLS	1310
KFBB	1360	KFWM	930	KGJF	890	KRLD	1190	WABZ	1200	WCMA	1400
KFBK	1310	KFXD	1420	KGKB	1500	KRMD	1310	WADC	1320	WCOA	1120
KFBL	1370	KFXF	1310	KGKL	1370	KRSC	1120	WAFD	1500	WCOC	880
KFBU	600	KFXJ	1500	KGKO	570	KSAC	580	WAGM	1310	WCOH	1210
KFCB	1310	KFXR	1310	KGKX	1420	KSBA	1450	WAIU	640	WCRW	1210
KFCR	1500	KFXY	1420	KGO	790	KSCJ	1330	WALK	1500	WCSH	940
KFDM	560	KFYO	1420	KGRC	1370	KSD	550	WAPI	1140	WCSO	1380
KFDY	550	KFYR	550	KGRS	1410	KSEI	900	WASH	1270	WCX	750
KFEC	1370	KGA	1470	KGTT	1420	KSL	1130	WBAA	1400	WDAE	620
KFEL	940	KGAR	1370	KGU	940	KSMR	1200	WBAK	1430	WDAF	610
KFEQ	560	KGB	1360	KGW	620	KSO	1380	WBAL	1060	WDAG	1410
KFEY	1210	KGBU	900	KGY	1200	KSOO	1110	WBAP	1120	WDAH	1310
KFGQ	1310	KGBX	1370	KHJ	900	KSTP	1460	WBAP	800	WDAY	1280
KFH	1300	KGBY	930	KHJ	590	KTAB	550	WBAP	1490	WDBJ	930
KFHA	1200	KGBZ	930	KICK	1420	KTAP	1420	WBAX	1210	WDBO	620
KFI	640	KGCA	1270	KJBS	1100	KTAT	1240	WBBC	1400	WDEL	1120
KFIF	1420	KGCB	1370	KJR	970	KTBI	1300	WBBL	1370	WDGY	1390
KFIO	1230	KGCH	930	KKP	1420	KTBR	1300	WBBM	770	WDOD	1280
KFIZ	1420	KGCI	1370	KLCN	1290	KTHS	800	WBBR	1300	WDRC	1330
KFIU	1310	KGCR	1420	KLDS	950	KTNT	1170	WBBW	1200	WDSU	1270
KFJB	1200	KGCR	1210	KLRA	1390	KTSA	1290	WBBY	1200	WDWF	1210
KFJF	1470	KGCU	1200	KLS	1440	KTUE	1420	WBBZ	1200	WDZ	1070
KFJI	1370	KGCC	1420	KLX	1270	KTW	1270	WBCM	1410	WEAF	660
KFJM	550	KGDA	1370	KLZ	880	KUJ	1500	WBET	1360	WEAM	1370
KFJR	1300	KGDE	1200	KMA	930	KUOA	1390	WBIS	1230	WEAN	1160
KFJY	1310	KGDM	1150	KMBC	950	KUOM	570	WBMH	1310	WEAO	550
KFJZ	1370	KGDP	1210	KMED	1310	KUSD	890	WBMS	1450	WEAR	1070
KFKA	880	KGDR	1500	KMIC	1120	KUT	1120	WBNY	1350	WEBC	1280
KFKB	1130	KGDW	930	KMJ	1200	KVI	1340	WBOQ	860	WEBE	1210
KFKU	1220	KGDY	1200	KMMJ	740	KVL	1500	WBOW	1310	WEBQ	1210
KFKX	1020	KGEF	1300	KMO	1340	KVOO	1140	WBRC	930	WEBR	1310
KFKZ	1200	KGEK	1200	KMOX	1090	KVOS	1200	WBRE	1310	WEBW	600
KFLV	1410	KGEN	1200	KMTR	570	KWBS	1500	WBRL	1430	WEDC	1210
KFLX	1370	KGEO	930	KNRC	780	KWCR	1310	WBSO	780	WEDH	1420
KFMX	1250	KGER	1370	KNX	1050	KWEA	1210	WBT	1080	WEEI	590
KFNF	890	KGES	930	KOA	830	KWG	1200	WBZ	990	WEHS	1310
KFOR	1210	KGEW	1200	KOAC	560	KWJJ	1060	WBZA	990	WEMC	590
KFOX	1250	KGEZ	1310	KOB	1180	KWK	1350	WCAC	600	WENR	870
KFPL	1310	KGFF	1420	KOCW	1420	KWKC	1370	WCAD	1220	WEPS	1200
KFPM	1310	KGFG	1370	KOH	1370	KWKH	850	WCAE	1220	WEVD	1300
KFPW	1340	KGFH	1000	KOIL	1260	KWLC	1270	WCAH	1430	WEW	760
KFPY	1390	KGFI	1310	KOIN	940	KWSC	1390	WCAJ	590	WFAA	1040
KFQD	1230	KGFJ	1420	KOL	1270	KWTC	1500	WCAL	1250	WFAN	610
KFQU	1420	KGFK	1200	KOMO	920	KWWG	1260	WCAM	1280	WFBC	1200
KFQW	1420	KGFL	1370	KOOS	1370	KXA	570	WCAO	600	WFBE	1200
KFQZ	850	KGFW	1420	KORE	1420	KXL	1250	WCAP	1280	WFBG	1310
KFRC	610	KGFX	580	KOW	1390	KXRO	1420	WCAT	1200	WFBJ	1370
KFRU	630	KGGF	1010	KPCB	1210	KYA	1230	WCAU	1170	WFBL	900
KFSD	600	KGGH	1310	KPJM	1500	KYW	1020	WCAX	1200	WFBM	1050
KFSG	1120	KGGM	1370	KPLA	570	KYWA	1020	WCAZ	1070	WFBR	1270
KFUL	1290	KGHB	1320	KPO	680	KZM	1370	WCBA	1440	WFDF	1310
KFUM	1270	KGHD	1420	KPC	880	WAAD	1120	WCBD	1080	WFI	560

Call Signal	Fre- quency	Call Signal	Fre- quency	Call Signal	Fre- quency	Call Signal	Fre- quency	Call Signal	Fre- quency	Call Signal	Fre- quency
WFIW	940	WIP	610	WLSI	1370	WOS	630	WSUN	900	CJSC	580
WFJC	1450	WISN	1120	WLTH	1400	WOV	1130	WSVS	1370	CKAC	730
WFKD	1310	WJAD	1240	WLW	700	WOW	590	WSYR	570	CKCD	730
WFLA	900	WJAG	1060	WLWL	1100	WOWO	1160	WTAD	1440	CKCI	880
WGAL	1310	WJAK	1310	WMAC	1440	WPAP	1010	WTAG	580	CKCK	960
WGBB	1210	WJAM	1200	WMAF	1360	WPAW	1210	WTAM	1070	CKCL	580
WGBC	1430	WJAR	890	WMAK	900	WPCC	570	WTAQ	1330	CKCO	690
WGBF	630	WJAS	1290	WMAL	630	WPCH	810	WTAR	780	CKCR	1010
WGBI	880	WJAX	1260	WMAN	1210	WPG	1100	WTAS	720	CKCV	880
WGBS	1180	WJAY	1450	WMAQ	670	WPOR	780	WTAW	1120	CKCF	730
WGCM	1210	WJAZ	1480	WMAY	1200	WPRC	1200	WTAX	1210	CKGW	960
WGCP	1250	WJBC	1200	WMAZ	890	WPSC	1230	WTAZ	1210	CKLC	840
WGES	1360	WJBI	1210	WMBA	1500	WPSW	1500	WTBO	1320	CKMC	1210
WGH	1310	WJBK	1370	WMBC	1420	WPTF	680	WTFE	1460	CKMO	730
WGHP	1240	WJBL	1200	WMBD	1440	WQAM	1240	WTFI	1450	CKNC	580
WGL	1230	WJBO	1370	WMBF	560	WQAN	880	WTHS	1310	CKOC	880
WGMS	1250	WJBT	770	WMBG	1210	WQAO	1010	WTRC	600	CKOW	840
WGN	720	WJBU	1210	WMBH	1420	WQBC	1360	WTMJ	620	CKPC	1210
WGR	550	WJBW	1200	WMBI	1080	WQBJ	1200	WWAE	1200	CKPR	1120
WGST	890	WJBY	1210	WMBL	1310	WQBZ	1420	WWJ	920	CKSP	1010
WGY	790	WJJD	1180	WMBM	1500	WRAF	1200	WWL	850	CKUA	580
WHA	570	WJKS	1360	WMOB	1370	WRAK	1370	WWNC	570	CKWX	730
WHAD	900	WJR	750	WMBQ	1500	WRAW	1310	WWRL	1500	CKY	780
WHAM	1150	WJSV	1460	WMBR	1210	WRAX	1020	WWVA	1160	CNRA	630
WHAP	1300	WJZ	760	WMBT	1430	WRBC	1240	CFAC	690	CNRC	690
WHAS	820	WKQA	580	WMC	780	WRBI	1310	CFBO	890	CNRE	580
WHAZ	1300	WKAR	1040	WMCA	570	WRBJ	1500	CFCA	840	CNRM	730
WHB	950	WKAV	1310	WMES	1500	WRBL	1200	CFCF	730	CNRO	690
WHBC	1200	WKBB	1310	WMPC	1310	WRBQ	1210	CFCH	600	CNRQ	880
WHBD	1370	WKBC	1310	WMRJ	1420	WRBT	1370	CFCN	690	CNRR	960
WHBF	1210	WKBE	1200	WMSG	1350	WRBU	1210	CFCO	1210	CNRS	910
WHBL	1410	WKBF	1400	WNAC	1230	WRBW	1310	CFFT	630	CNRT	840
WHBP	1310	WKBH	1380	WNAD	1010	WRBX	930	CFCY	960	CNRV	1030
WHBQ	1370	WKBI	1310	WNAT	1310	WRC	950	CFJC	1120	CNRW	780
WHBU	1210	WKBN	570	WNAX	570	WREC	600	CFLC	1010	<b>Alphabetical List of Cuban Stations</b>	
WHBW	1500	WKBO	1450	WNBF	1500	WREN	1220	CFMC	1120	PWX	750
WHBY	1200	WKBP	1420	WNBH	1310	WRHM	1250	CFNB	1210	2OK	860
WHDF	1370	WKBQ	1350	WNBJ	1310	WRJN	1200	CFQC	910	2OL	1090
WHDI	1390	WKBS	1310	WNBO	1200	WRK	1310	CFRB	960	6BY	1150
WHDL	1420	WKBV	1500	WNBQ	1500	WRM	570	CFRC	1120	6JK	1090
WHEC	1440	WKBW	1470	WNBR	1430	WRNY	1010	CHCA	690	6KW	880
WHFC	1310	WKBZ	1500	WNBW	1200	WRR	1040	CHCK	960	7SR	860
WHK	1390	WKEN	1040	WNBX	1200	WRUF	1470	CHCS	880	<b>Alphabetical List of Mexican Stations</b>	
WHN	1010	WKJC	1200	WNBZ	1290	WRVA	1110	CHCT	840	CYA	1000
WHO	1000	WKRC	550	WNJ	1450	WSAI	800	CHGS	1120	CYB	1090
WHOH	830	WKY	900	WNOX	560	WSAJ	1310	CHLS	730	CYF	1130
WHPP	1420	WLAC	1490	WNRC	1440	WSAN	1440	CHMA	580	CYH	800
WHT	1480	WLAP	1200	WNYC	570	WSAR	1450	CHML	880	CYJ	750
WIAD	1370	WLB	1250	WOAI	1190	WSAZ	580	CHNC	580	CYL	750
WIAS	1420	WLBC	1310	WOAN	600	WSB	740	CHNS	930	CYO	700
WIBA	1210	WLBF	1420	WOAX	1280	WSBC	1210	CHNS	930	CYQ	930
WIBG	930	WLBG	1200	WOBT	1310	WSBT	1230	CHRC	880	CYR	630
WIBM	1370	WLBH	1420	WOBW	580	WSDA	1400	CHWC	960	CYU	960
WIBO	570	WLBL	900	WOC	1000	WSEA	780	CHWK	1210	CYX	910
WIBR	1420	WLBO	1310	WOCL	1210	WSGH	1400	CHYC	730	CYY	550
WIBS	1450	WLBV	1210	WODA	1250	WSIS	1010	CJBR	960	CZE	860
WIBU	1310	WLBW	1260	WOI	560	WSIX	1210	CJCA	580	CZF	970
WIBW	1300	WLBX	1500	WOKO	1440	WSM	650	CJCB	580	<b>Haitian Sta.</b>	
WIBX	1200	WLBZ	620	WOL	1310	WSMB	1320	CJCC	690	HHK	830
WIBZ	1500	WLCI	1210	WOMT	1210	WSMD	1310	CJCG	910		
WICC	1430	WLEX	1420	WOO	1500	WSMK	570	CJCH	910		
WIL	1420	WLIB	720	WOOD	1270	WSPD	1340	CJCI	1120		
WILM	1500	WLIT	560	WOQ	610	WSOR	1420	CJCR	1030		
WINR	1210	WLOE	1500	WOR	710	WSSH	1420	CJRM	1010		
WIOD	1240	WLS	870	WORD	1480	WSUI	580	CJRW	1010		

**CONVENIENCE AND PLEASURE! GOOD THINGS TO EAT! ETC! ETC! ETC!**

The next issue of STEVENSON'S RADIO BULLETIN will be on the news stands on July 1. We wouldn't have you miss it for the world! It's going to have some good things in it, things you'll smack your lips over.

# Log North American Broadcasting Stations

With Stations Listed by Wave Length and Frequency

ALL North American broadcasting stations, with their power, location and owner are listed here, arranged according to frequency in kilocycles and wave length in meters. A record of where each station comes in on the dial may be placed in the left hand margin.

Stations with 1,000 Watts and over are printed in bold face type. Stations with an asterisk (\*) before them broadcast on limited time.

Through use of STEVENSON'S RADIO LOG it is possible to determine where any station should come in on the dials of your receiver.

Look up the wave length of your local station. Suppose, for example, that the station is on 610 kc (kilocycles), and that it comes in at 90 on your set.

Then the stations on 620 kc, the next channel below, should come in at about 89. Stations on 640 should come in at about 87.

Pick out a few stations which you get regularly, and mark down their dial settings. They will serve as guides to enable you to know just where to look for any particular station you want to get.

	Call Letters	Power	Location	Owner
<b>550 Kc.—545.1 Met.</b>	KFDY	500	Brookings, S. D.	South Dakota State College.
Dial Reading:	KFJM	500	Grand Forks, N. D.	University of North Dakota.
	KFUO	500	St. Louis, Mo.	Concordia Theological Seminary.
	KFYR	500	Bismarck, N. D.	Hoskins-Meyer.
	KSD	500	St. Louis, Mo.	Pulitzer Publishing Co.
	KTAB	500	Oakland, Calif.	Ass'd Broadcasters.
	WEAO	750	*Columbus, Ohio	Ohio State University.
	WGR	750	Buffalo, N. Y.	Federal Radio Corp.
	WKRC	500	Cincinnati, Ohio	Kodel Radio Corp.
<b>560 Kc.—535.4 Met.</b>	CYY	100	Meridan, Mexico	
Dial Reading:	KFDM	500	Beaumont, Texas	Magnolia Petroleum Co.
	KFEQ	2500	St. Joseph, Mo.	Scroggin and Co. Bank.
	KIZ	1000	Dupont, Colo.	Reynolds Radio Co.
	KOAC	1000	Corvallis, Oreg.	Oregon State Agricultural College.
	WFI	500	Philadelphia, Pa.	Strawbridge and Clothier.
	WLIT	500	Philadelphia, Pa.	Lit Brothers.
	WMBF	500	Miami Beach, Fla.	Fleetwood Hotel.
	WNOX	1000	Knoxville, Tenn.	Sterchi Brothers.
	WOI	5000	*Ames, Iowa	Iowa State College.
<b>570 Kc.—526.0 Met.</b>	KGKO	250	Wichita Falls, Texas	Highland Heights Christian Church.
Dial Reading:	KMTR	1000	Hollywood, Calif.	KMTR Radio Corp.
	KPLA	1000	Los Angeles, Calif.	Pacific Develop. Radio Co.
	KUOM	500	Missoula, Mont.	State University of Montana.
	KXA	500	Seattle, Wash.	American Radio Tel. Co.
	WHA	750	Madison, Wis.	University of Wisconsin.
	WIBO	5000	Desplaines, Ill.	WIBO Broadcasting Inc.
	WKBN	500	Youngstown, Ohio	W. P. Williamson, Jr.
	WMCA	500	New York City	Greeley Square Hotel Co.
	WNAX	1000	Yankton, S. D.	Gurney Seed and Nursery Co.
	WNYC	500	New York City	Department Plant and Structures.
	WPCC	500	Chicago, Ill.	North Shore Congregational Church.
	WRM	500	Urbana, Ill.	University of Illinois.
	WSMK	200	Dayton, Ohio	Stanley M. Krohn, Jr.
	WSYR	250	Syracuse, N. Y.	Clive B. Meredith.
	WWNC	1000	Asheville, N. C.	Chamber of Commerce.
<b>580 Kc.—516.9 Met.</b>	CHMA	250	Edmonton, Alta.	Christian and Missionary Church.
Dial Reading:	CHNC	500	Toronto, Ont.	Toronto Radio Research Society.
	CJCA	500	Edmonton, Alta.	Edmonton Journal, Ltd.
	CJSC	500	Toronto, Ont.	Evening Telegram.
	CKCL	500	Toronto, Ont.	Dominion Battery Co., Ltd.
	CKNC	500	Toronto, Ont.	Canadian National Carbon Co., Ltd.
	CKUA	500	Edmonton, Alta.	University of Alberta.
	CNRE	500	Edmonton, Alta.	Canadian National Railways.
	KGFX	200	*Pierre, S. D.	Dana McNeil.
	KSAC	500	Manhattan, Kans.	Kansas State Agricultural College.
	WKAQ	500	San Juan, P. R.	Radio Corp. of Porto Rico.
	WOBV	250	Charleston, W. Va.	Charleston Radio Broadcasting Co.
	WSAZ	250	Huntington, W. Va.	McKellar Electric Co.
	WSUI	500	Iowa City, Iowa	State University of Iowa.
	WTAG	250	Worcester, Mass.	Worcester Tel. Pub. Co.
<b>590 Kc.—508.2 Met.</b>	KHQ	1000	Spokane, Wash.	Louis Wasmer, Inc.
Dial Reading:	WCAJ	500	Lincoln, Nebr.	Nebraska Wesleyan University.
	WEEL	500	Boston, Mass.	Edison Electric Illuminating Co.
	WEMC	1000	Berrien Springs, Mich.	Emmanuel Missionary College.
	WOW	1000	Omaha, Nebr.	Woodmen of World.

	Call Letters	Power	Location	Owner
<b>600 Kc.—499.7 Met.</b> Dial Reading :	CFCH	250	Iroquois Falls, Ont.	Abitibi Power and Paper Co.
	KFBU	500	Laramie, Wyo.	Bishop N. S. Thomas.
	KFSD	500	San Diego, Calif.	Airfan Radio Corp.
	WCAC	250	Storrs, Conn.	Conn. Agricultural College.
	WCAO	250	Baltimore, Md.	Monumental Radio, Inc.
	WEBW	250	Beloit, Wis.	Beloit College.
	WOAN	500	Lawrenceburg, Tenn.	Church of the Nazarene.
	WREC	500	Whitehaven, Tenn.	WREC, Inc.
	WTIC	500	Hartford, Conn.	Travelers Insurance Co.
	<b>610 Kc.—491.5 Met.</b> Dial Reading :	KFRC	1000	San Francisco, Calif.
WDAF		1000	Kansas City, Mo.	Kansas City Star.
WFAN		500	Philadelphia, Pa.	Keystone Broadcasting Co., Inc.
WIP		500	Philadelphia, Pa.	Gimbel Bros., Inc.
WOQ		1000	Kansas City, Mo.	Unity School of Christianity.
<b>620 Kc.—483.6 Met.</b> Dial Reading :	KFAD	500	Phoenix, Ariz.	Electrical Equipment Co.
	KGW	1000	Portland, Oreg.	Oregonian Publishing Co.
	WDAE	1000	Tampa, Fla.	Tampa Publishing Co.
	WDBO	1000	Orlando, Fla.	Rollins College, Inc.
	WLBZ	250	Bangor, Maine	Maine B'casting Co.
	WTMJ	1000	Brookfield, Wis.	The Milwaukee Journal.
<b>630 Kc.—475.9 Met.</b> Dial Reading :	CFCT	500	Victoria, B. C.	Victoria Broadcasting Assn.
	CJGX	500	Yorkton, Sask.	Winnipeg Grain Exchange.
	CNRA	500	Moncton, N. B.	Canadian National Railways.
	CYR	250	Mazatlan, Mexico.	
	KFRU	500	Columbia, Mo.	Stephens College.
	WGFB	500	Evansville, Ind.	Evansville on the Air, Inc.
	WMAL	250	Washington, D. C.	M. A. Leese Co.
	WOS	500	Jefferson City, Mo.	State Marketing Bureau.
<b>640 Kc.—468.5 Met.</b> Dial Reading :	KFI	5000	Los Angeles, Calif.	Earl C. Anthony, Inc.
	WAIU	5000	*Columbus, Ohio	American Insurance Union.
<b>650 Kc.—461.3 Met.</b> Dial Reading :	WSM	5000	Nashville, Tenn.	National Life and Accident Ins. Co.
<b>660 Kc.—454.3 Met.</b> Dial Reading :	WAAW	500	*Omaha, Nebr.	Omaha Grain Exchange.
	WEAF	50000	Bellmore, N. Y.	National Broadcasting Co., Inc.
<b>670 Kc.—447.5 Met.</b> Dial Reading :	WMAQ	5000	Chicago, Ill.	Chicago Daily News, Inc.
<b>680 Kc.—440.9 Met.</b> Dial Reading :	KPO	5000	San Francisco, Calif.	Hales Bros.
	WPTF	5000	Raleigh, N. C.	Durham Life Ins. Co. (C. P. 10,000).
<b>690 Kc.—534.5 Met.</b> Dial Reading :	CFAC	500	Calgary, Alta.	Calgary Herald.
	CFGN	1800	Calgary, Alta.	W. W. Grant, Ltd.
	CHCA	250	Calgary, Alta.	Alberta Publishing Co., Ltd.
	CJJC	250	Calgary, Alta.	Radio Service and Repair Shop, Ltd.
	CKCO	100	Ottawa, Ont.	Dr. G. M. Geldert (for Ottawa Radio Association).
	CNRC CNRO	500 500	Calgary, Alta. Ottawa, Ont.	Canadian National Railways. Canadian National Railways.
<b>700 Kc.—428.3 Met.</b> Dial Reading :	CYO	100	Mexico City, Mexico.	
	KFVD	250	*Culver City, Calif.	W. J. and C. I. McWhinnie.
	WLW	50000	Harrison, Ohio	Crosley Radio Corp.
<b>710 Kc.—423.3 Met.</b> Dial Reading :	WOR	5000	Newark, N. J.	L. Bamberger and Co.
<b>720 Kc.—416.4 Met.</b> Dial Reading :	WGN	15000	Chicago, Ill.	Chicago Tribune.
<b>730 Kc.—410.7 Met.</b> Dial Reading :	CFCF	1650	Montreal, Que.	Canadian Marconi Co.
	CHLS	50	Vancouver, B. C.	W. G. Hassel.
	CHYC	750	Montreal, Que.	Northern Electric Co., Ltd.
	CKAC	1200	Montreal, Que.	La Presse Publishing Co., Ltd.
	CKCD	50	Vancouver, B. C.	Vancouver Daily Province.
	CKFC	50	Vancouver, B. C.	United Church of Canada.
	CKMO	50	Vancouver, B. C.	Sprott-Shaw Radio.
	CKWX	100	Vancouver, B. C.	A. Holstead and Wm. Hanlon.
<b>740 Kc.—405.2 Met.</b> Dial Reading :	KMMJ	1000	*Clay Center, Nebr.	The M. M. Johnson Co.
	WEAI	1000	Ithaca, N. Y.	Cornell University.
	WSB	10000	Atlanta, Ga.	Atlanta Journal Co.
<b>750 Kc.—399.8 Met.</b> Dial Reading :	CYJ	2000	Mexico City, Mexico.	
	CYL	500	Mexico City, Mexico.	
	PWX	400	Havana, Cuba	
	WJR	5000	Pontiac, Mich.	WJR, Inc.
<b>760 Kc.—394.5 Met.</b> Dial Reading :	WEW	1000	*St. Louis, Mo.	St. Louis University.
	WJZ	30000	New York, N. Y.	Radio Corporation of America.
<b>770 Kc.—389.4 Met.</b> Dial Reading :	KFAB	5000	Lincoln, Nebr.	Nebraska Buick Auto Co.
	WBBM	25000	Chicago, Ill.	Atlas Investment Co.

	Call Letters	Power	Location	Owner
<b>780 Kc.—384.4 Met.</b> Dial Reading :	CKY	500	Winnipeg, Man.	Manitoba Tele. System.
	CNRW	500	Winnipeg, Man.	Canadian National Railways.
	KELW	500	Burbank, Calif.	Earl L. White.
	KNRC	500	Santa Monica, Calif.	Pickwick Broadcasting Corp.
	WBOS	250	*Wellesley Hills, Mass.	Babson's Statistical Org., Inc.
	WMC	500	Memphis, Tenn.	Memphis Commercial Appeal.
	WPOR-WTAR WSEA	500 500	Norfolk, Va. Portsmouth, Va.	Reliance Electrical Co., Inc. Virginia Broadcasting Co., Inc.
<b>790 Kc.—379.5 Met.</b> Dial Reading :	KGO	10000	Oakland, Calif.	General Electric Co.
	WGY	50000	*Schenectady, N. Y.	General Electric Co.
<b>800 Kc.—374.8 Met.</b> Dial Reading :	CYH	100	Mexico City, Mexico.	
	KTHS	10000	Hot Springs, Ark.	Arlington Hotel Co.
	WBAP	50000	Ft. Worth, Texas	Carter Publishing Inc.
	WSAI	5000	Mason, Ohio	Crosley Radio Corp.
<b>810 Kc.—370.2 Met.</b> Dial Reading :	WCGO	10000	Minneapolis, Minn.	Washburn-Crosby Co.
	WPCH	500	*New York, N. Y.	Concourse Radio Corp.
<b>820 Kc.—365.6 Met.</b> Dial Reading :	WHAS	5000	Louisville, Ky.	Courier Journal & Louisville Times.
<b>830 Kc.—361.2 Met.</b> Dial Reading :	HHK	1000	Port au Prince, Haiti.	
	KOA	12500	Denver, Colo.	General Electric Co.
	WHOH	1000	Gloucester, Mass.	Matheson Radio Co.
<b>840 Kc.—356.9 Met.</b> Dial Reading :	CFCA	500	Toronto, Ont.	Star Publishing and Printing Co.
	CHCT	1000	Red Deer, Alta.	G. F. Tull and Ordeke, Ltd.
	CKLC	1000	Red Deer, Alta.	Alberta Pacific Grain Co., Ltd.
	CKOW	500	Toronto, Ont.	Nestle's Food Co. of Canada.
	CNRT	500	Toronto, Ont.	Canadian National Railways.
<b>850 Kc.—352.7 Met.</b> Dial Reading :	KFQZ	1000	*Hollywood, Calif.	L. E. Taft.
	KWKH	5000	Kennonwood, La.	W. K. Henderson.
	WWL	5000	New Orleans, La.	Loyola University.
<b>860 Kc.—348.6 Met.</b> Dial Reading :	CZE	500	Mexico City, Mexico.	
	WABC	5000	New York, N. Y.	Atlantic Broadcasting Co.
	2OK	100	Havana, Cuba.	
	7SR	500	Elia, Cuba.	
<b>870 Kc.—344.6 Met.</b> Dial Reading :	WENR	50000	Chicago, Ill.	Great Lakes Rad. Broadcasting Co.
	WLS	50000	Crete, Ill.	Sears-Roebuck and Co.
<b>880 Kc.—340.7 Met.</b> Dial Reading :	CHCS	10	Hamilton, Ont.	Hamilton Spectator.
	CHML	500	Mt. Hamilton, Ont.	Maple Leaf Radio Co., Ltd.
	CHRC	5	Quebec, Que.	E. Fontaine.
	CKCI	22½	Quebec, Que.	Le "Soleil," Ltd.
	CKCV	50	Quebec, P. Q.	G. A. Vandry.
	CKOC	100	Hamilton, Ont.	Wentworth Ra. & Auto Sup. Co., Ltd.
	CNRQ	50	Quebec, P. Q.	Canadian National Railways.
	KFKA	500	Greeley, Colo.	Colorado State Teachers' College.
	KPOF	500	Denver, Colo.	Pillar of Fire, Inc.
	KLX	500	Oakland, Calif.	Tribune Publishing Co.
	WCOC	500	Columbus, Miss.	Crystal Oil Co.
	WGBI	250	Scranton, Pa.	Scranton Broadcasters, Inc.
	WQAN	250	Scranton, Pa.	Scranton Times.
	6XW	100	Tuincu, Cuba.	
<b>890 Kc.—336.9 Met.</b> Dial Reading :	CFBO	50	St. John, N. B.	C. A. Munro, Ltd.
	KFNF	500	Shenandoah, Iowa	Henry Field Seed Co.
	KGJF	250	Little Rock, Ark.	First Church of Nazarene.
	KUSD	500	Vermilion, S. D.	University of South Dakota.
	WGST	500	Atlanta, Ga.	Georgia School of Technology.
	WJAR	250	Providence, R. I.	The Outlet Co.
	WMMN	250	Fairmont, W. Va.	Holt Rowe Co.
	WMAZ	500	Macon, Ga.	Mercer University.
<b>900 Kc.—333.1 Met.</b> Dial Reading :	KHJ	1000	Los Angeles, Calif.	Don Lee, Inc.
	KGBU	500	Ketchikan, Alaska	Alaska Radio and Service Co.
	KSEI	250	Pocatello, Idaho	KSEI Broadcasting Corp.
	WFBL	750	Syracuse, N. Y.	The Onondago Co.
	WKY	1000	Oklahoma City, Okla.	WKY Radiophone Co.
	WLBL	1000	*Stevens Point, Wis.	Wisconsin Department of Markets.
	WMAK	750	Martinsville, N. Y.	WMAK Broadcasting System.
	WFLA-WSUN	1000	Clearwater, Fla.	Chamber of Commerce.
<b>910 Kc.</b> Dial Reading :	CFQC	500	Saskatoon, Sask.	Electric Shop.
	CJGC	500	London, Ont.	London Free Press Ptg. Co., Ltd.
	CJHS	250	Saskatoon, Sask.	Radio Service, Ltd.
	CNRS	500	Saskatoon, Sask.	Canadian National Railways.
	CYX	500	Mexico City, Mexico.	
<b>920 Kc.—325.9 Met.</b> Dial Reading :	KOMO	1000	Seattle, Wash.	Fisher's Blend Station.
	KPRC	1000	Houston, Texas	Houston Printing Co.
	WAAF	500	*Chicago, Ill.	Drivers Journal Publishing Co.
	WWJ	1000	Detroit, Mich.	The Detroit News.

	Call Letters	Power	Location	Owner	
930 Kc.—322.4 Met. Dial Reading :	CHNS	100	Halifax, N. S.	Northern Electric Co., Ltd.	
	CHNS	500	Halifax, N. S.	Halifax Herald, Ltd.	
	CYQ	100	Tampico, Mexico.		
	KFWI	500	San Francisco, Calif.	Radio Entertainments, Inc.	
	KFWM	500	Oakland, Calif.	Oakland Educational Society.	
	KGBZ	500	York, Nebr.	Federal Live Stock Remedy Co.	
	KMA	500	Shenandoah, Iowa	May Seed and Nursery Co.	
940 Kc.—319 Met. Dial Reading :	WBRC	500	Birmingham, Ala.	Birmingham Broadcasting Co.	
	WDBJ	500	Roanoke, Va.	Richardson-Wayland Electric Corp.	
	WIBG	50	*Elkins Park, Pa.	St. Paul's P. E. Church.	
	KFEL	250	Denver, Colo.	Eugene P. O'Fallon, Inc.	
	KGU	500	Honolulu, H. T.	Marion Mulrony.	
950 Kc.—315.6 Met. Dial Reading :	KOIN	1000	Portland, Oreg.	KOIN, Inc.	
	WCSH	500	Portland, Me.	Congress Square Hotel Co.	
	WFIW	1000	Hopkinsville, Ky.	The Acme Mills, Inc.	
	KFWB	1000	Los Angeles, Calif.	Warner Bros. Broadcasting Corp.	
960 Kc. Dial Reading :	KGHL	500	Billings, Mont.	North Western Auto Supply Co.	
	KLDS-KMBC	500	Independence, Mo.	Midland Broadcasting Co.	
	KPSN	1000	Pasadena, Calif.	Pasadena Star-News Publishing Co.	
	WHB	1000	Kansas City, Mo.	Sweeney Auto School Co.	
	WRC	500	Washington, D. C.	Radio Corporation of America.	
	CFCY	100	Charlottetown, P. E. I.	Island Radio Co.	
970 Kc.—309.1 Met. Dial Reading :	KFRB	1000	King, Ont.	Stan. Radio Manufacturing Corp.	
	CHCK	30	Charlottetown, P. E. I.	W. E. Burke.	
	CHWC	15	Regina, Sask.	R. H. Williams and Sons, Ltd.	
	CJBR	500	Regina, Sask.	Sask. Co-op. Wheat Producers, Ltd.	
	CKCK	500	Regina, Sask.	Leader Publishing Co., Ltd.	
	CKGW	5000	Bowmanville, Ont.	Gooderham and Worts.	
	CNRR	500	Regina, Sask.	Canadian National Railways.	
	CYU	100	Puebla, Mexico.		
980 Kc.—305.9 Met. Dial Reading :	CZF	250	Chiluhua, Mexico.		
	KJR	5000	Seattle, Wash.	North West Radio Service Co.	
	WCFL	1000	Chicago, Ill.	Chicago Federation of Labor.	
990 Kc.—302.8 Met. Dial Reading :	KDKA	50000	Pittsburgh, Pa.	Westinghouse E. and M. Co.	
	WBZ	15000	E. Springfield, Mass.	Westinghouse E. and M. Co.	
1000 Kc.—299.8 Met. Dial Reading :	WEZA	500	Boston, Mass.	Westinghouse E. and M. Co.	
	CYA	500	Mexico City, Mexico.		
	KFKX-KGFH	250	*Glendale, Calif.	Frederick Robinson.	
	WHO	5000	*Des Moines, Iowa	Iowa Bankers Life Co.	
1010 Kc.—296.9 Met. Dial Reading :	WOC	5000	*Davenport, Iowa	Palmer School of Chiropractics.	
	CFLC	50	Prescott, Ont.	Radio Association.	
	CJRM	500	Moose Jaw, Sask.	Jas. Richardson and Sons, Ltd.	
	CJRW	500	Fleecing, Sask.	Jas. Richardson and Sons, Ltd.	
	CKCR	50	Brantford, Ont.	John Patterson.	
	CKSH	50	St. Hyacinthe, P. Q.	City of St. Hyacinthe.	
	KGGF	500	Picher, Okla.	D. L. Connell, M. D.	
	KQW	500	San Jose, Calif.	First Baptist Church.	
	WHN	250	New York, N. Y.	Marcus Loew Booking Co.	
	WSIS	250	Sarasota, Fla.	Financial Journal, Inc.	
	WNAD	500	Norman, Okla.	University of Oklahoma.	
	WPAP				
	WQAO	250	New York, N. Y.	Calvary Baptist Church.	
	WRNY	250	New York, N. Y.	Experimenter Publishing Co.	
	1020 Kc.—293.9 Met. Dial Reading :	KYW	5000	Chicago, Ill.	Illinois Publishing and Printing Co.
		WRAX	250	Philadelphia, Pa.	Berachah Church, Inc.
KYWA		5000	Chicago, Ill.	W. E. and M. Co.	
1030 Kc.—291.1 Met. Dial Reading :	CJOR	50	Sea Island, B. C.	G. C. Chandler.	
	CNRV	500	Vancouver, B. C.	Canadian National Railways.	
1040 Kc.—288.3 Met. Dial Reading :	KRLD	5000	Dallas, Texas	Dallas Times-Herald.	
	WFAA	5000	Dallas, Texas	Dallas Morning News.	
	WKAR	500	*East Lansing, Mich.	Michigan State College.	
	WKEN	750	Buffalo, N. Y.	Radio Station WKEN, Inc.	
1050 Kc.—285.5 Met. Dial Reading :	KNX	5000	Hollywood, Calif.	Western Broadcasting Co.	
	WFBM	25000	*Indianapolis, Ind.	Indianapolis Light & Power Co.	
1060 Kc.—282.8 Met. Dial Reading :	KWJJ	500	Portland, Oreg.	Wilbur Jerman.	
	WBAL	5000	Baltimore, Md.	Cons. Gas, Elec. Light & Power Co.	
	WJAG	500	Norfolk, Nebr.	Norfolk Daily News.	
1070 Kc.—280.2 Met. Dial Reading :	WAAT	250	Jersey City, N. J.	Bremer Broadcasting Corp.	
	WCAZ	100	*Carthage, Ill.	Carthage College.	
	WDZ	100	*Tuscola, Ill.	James L. Bush.	
	WEAR	1000	Cleveland, Ohio	WTAM and WEAR, Inc.	
	WTAM	3500	Cleveland, Ohio	WTAM and WEAR, Inc.	
1080 Kc.—277.6 Met. Dial Reading :	WBT	5000	Charlotte, N. C.	C. C. Coddington (C. P. 10,000).	
	WCBD	5000	Zion, Ill.	Wilbur Glen Voliva.	
	WMBI	5000	Chicago, Ill.	Moody Bible Institute.	

	Call Letters	Power	Location	Owner	
<b>1090 Kc.—275.1 Met.</b>	CYB	500	Mexico City, Mexico.		
	KMOX	5000	St. Louis, Mo.	Voice of St. Louis, Inc.	
	Dial Reading:	6JK	100	Tuincu, Cuba.	
<b>1100 Kc.—272.6 Met.</b>	KJBS	100	San Francisco, Calif.	Julius Brunton and Sons Co.	
	WLWL	5000	New York City	Missionary Society of St. Paul.	
	Dial Reading:	WPG	5000	Atlantic City, N. J.	Municipality of Atlantic City.
<b>1110 Kc.—270.1 Met.</b>	WRVA	5000	Richmond, Va.	Sioux Falls Broadcast'g Association.	
	Dial Reading:	KS00	1000	*Sioux Falls, S. D.	Larus and Bros. Co., Inc.
<b>1120 Kc.—267.7 Met.</b>	CFJC	15	Kamloops, B. C.	N. S. Dalgleish.	
	CFMC	20	Kingston, Ont.	Monarch Battery Co.	
	Dial Reading:	CFRC	500	Kingston, Ont.	Queens University.
	CHGS	25	Summerside, P. E. I.	R. T. Holman, Ltd.	
	CJOC	50	Lethbridge, Alta.	J. E. Palmer.	
	CKPR	50	Midland, Ont.	E. O. Swan.	
	KFSG	500	Los Angeles, Calif.	Echo Park Evangelistic Assn.	
	KMIC	250	Inglewood, Calif.	James R. Fouch.	
	KRSC	50	*Seattle, Wash.	Radio Sales Corporation.	
	KUT	500	Austin, Texas	University of Texas.	
	WAAD	250	Milwaukee, Wis.	Marquette University.	
	WBAO	100	*Decatur, Ill.	James Milliken University.	
	WCOA	500	Pensacola, Fla.	City of Pensacola.	
	WDEL	250	Wilmington, Del.	WDEL, Inc.	
	WISN	250	Milwaukee, Wis.	Evening Wisconsin Co.	
	WTAW	500	College Station, Texas	Agri. and Mech. College of Texas.	
<b>1130 Kc.—265.3 Met.</b>	CYF	100	Oaxaca, Mexico.		
	Dial Reading:	KFKB	5000	*Milford, Kans.	Dr. John E. Brinkley.
	KSL	5000	Salt Lake City, Utah	Radio Service Corporation of Utah.	
	WOV	1000	*New York, N. Y.	International Broadcasting Corp.	
<b>1140 Kc.—263.0 Met.</b>	KVOO	1000	Tulsa, Okla.	Southwestern Sales Corp.	
	Dial Reading:	WAPI	5000	Auburn, Ala.	Alabama Polytechnic Institute.
<b>1150 Kc.—260.7 Met.</b>	KGDM	50	*Stockton, Calif.	E. F. Peffer.	
	Dial Reading:	WHAM	5000	Rochester, N. Y.	Stromberg-Carlson Telegraph Co.
	6BY	200	Cienfuegos, Cuba.		
<b>1160 Kc.—258.5 Met.</b>	WEAN	500	*Providence, R. I.	The Shepard Co.	
	Dial Reading:	WOWO	5000	Ft. Wayne, Ind.	Main Auto Supply Co.
	WWVA	250	Wheeling, W. Va.	West Virginia Broadcasting Corp.	
<b>1170 Kc.—256.3 Met.</b>	KTNT	5000	Muscatine, Iowa	Norman Baker.	
	Dial Reading:	WCAU	5000	Philadelphia, Pa.	Universal Broadcasting Co.
<b>1180 Kc.—254.1 Met.</b>	KEX	5000	Portland, Oreg.	Western Broadcasting Co.	
	Dial Reading:	KOB	10000	State College, N. M.	New Mexico College Agril. & Arts.
	WGBS	500	Astoria, L. I.	Gimbel Bros., Inc.	
	WJJD	20000	*Mooseheart, Ill.	Loyal Order of Moose.	
<b>1190 Kc.—252.0 Met.</b>	KRLD	5000	Dallas, Texas	Dallas Times-Herald.	
	Dial Reading:	WOAI	5000	San Antonio, Texas	Southern Equipment Co.
	WRR	5000	Dallas, Texas	City of Dallas.	
<b>1200 Kc.—249.9 Met.</b>	KFHA	50	Gunnison, Colo.	Western State College of Colorado.	
	Dial Reading:	KPFB	100	Marshalltown, Iowa	Marshall Electric Co.
	KFKZ	50	Kirkville, Mo.	N. E. Missouri State Teach. College	
	KPWC	100	Ontario, Calif.	James R. Fouch.	
	KFWF	100	St. Louis, Mo.	St. Louis Truth Center, Inc.	
	KGCU	100	Mandan, N. D.	Mandan Radio Association.	
	KGDE	50	Fergus Falls, Minn.	Jaren Drug Co.	
	KGDY	15	Oldham, S. D.	J. Albert Loesch.	
	KGFK	50	Yuma, Colo.	Beehler Electric Equipment Co.	
	KGEM	100	El Centro, Calif.	E. R. Ireby and F. M. Bowles.	
	KGFW	100	Ft. Morgan, Colo.	City of Ft. Morgan.	
	KGKF	50	Hallock, Minn.	Kittson County Enterprise	
	KGJ	10	Lacey, Wash.	St. Martins College.	
	KMJ	100	Fresno, Calif.	The Fresno Bee.	
	KPPC	50	Pasadena, Calif.	Pasadena Presbyterian Church.	
	KSMR	100	Santa Maria, Calif.	Santa Maria Valley R. R. Co.	
	KVOS	250	Bellingham, Wash.	L. Kessler.	
	KWG	100	Stockton, Calif.	Portable Wireless Telegraph Co.	
	WABI	100	Bangor, Me.	First Universalist Church.	
	WABZ	100	New Orleans, La.	Coliseum Place Baptist Church.	
	WRBL	50	Columbus, Ga.	R. E. Martin.	
	WBBW	100	Norfolk, Va.	Ruffner Junior High School.	
	WBBY	75	Charleston, S. C.	Washington Light Infantry.	
	WBBZ	100	Ponca City, Okla.	C. L. Carrell.	
	WCAT	100	Rapid City, S. D.	South Dakota State School of Mines.	
	WCAX	100	Eurlington, Vt.	University of Vermont.	
	WCLO	100	Kenosha, Wis.	C. E. Whitmore.	
	WEPS	100	Gloucester, Mass.	Matheson Radio Co., Inc.	
	WFBC	50	Knoxville, Tenn.	First Baptist Church.	
	WFBE	100	Cincinnati, Ohio	Parkview Hotel.	
	WHBC	10	Canton, Ohio	St. John's Catholic Church.	
	WHBY	50	West DePere, Wis.	St. Norbert's College.	
	WIBX	100	Utica, N. Y.	WIBX, Inc.	
	WJAM	100	Waterloo, Iowa	Waterloo Broadcasting Co.	
	WJBC	100	LaSalle, Ill.	Hummer Furniture Co.	
	WJBL	100	Decatur, Ill.	Wm. Gushard Dry Goods Co.	

Call Letters	Power	Location	Owner
<b>1200 Kc.—249.9 Met.</b>			
Dial Reading :			
WJBW	30	New Orleans, La.	C. Carlson, Jr.
WKBE	100	Webster, Mass.	K. and B. Electric Co.
WKJC	100	Lancaster, Pa.	Kirk Johnson Co.
WLAP	30	Okalona, Ky.	American Broadcasting Corp. of Ky.
WLBG	100	Petersburg, Va.	Robert Allen Gamble.
WMAV	100	St. Louis, Mo.	Kingshighway Presbyterian Church.
WNBO	15	Washington, Pa.	John Brownlee Spriggs.
WNBW	5	Carbondale, Pa.	Home Cut Glass and China Co.
WNBX	10	Springfield, Vt.	First Congregational Church Corp.
WPRC	100	Harrisburg, Pa.	Wilson Printing and Radio Co.
WQBJ	65	Clarksburg, W. Va.	John Raikes.
WRAF	100	La Porte, Ind.	The Radio Club, Inc.
WRJN	100	Racine, Wis.	Racine Broadcasting Corp.
WWAE	100	Hammond, Ind.	Dr. Geo. F. Courrier.
<b>1210 Kc.—247.8 Met.</b>			
Dial Reading :			
CFCO	25	Chatham, Ont.	Better Radio Club.
CFNB	50	Fredericton, N. B.	J. S. Neill and Sons.
CHWK	5	Chilliwack, B. C.	Chilliwack Broadcasting Co., Ltd.
CKMC	15	Cobalt, Ont.	R. L. Adam.
CKPC	25	Preston, Ont.	Wallace Russ.
KDLR	100	Devils Lake, N. D.	Radio Electric Co.
KFEY	10	Kellogg, Idaho	Union High School.
KFOR	100	Lincoln, Nebr.	Howard A. Shuman.
KFVS	100	Cape Girardeau, Mo.	Hirsch Battery and Radio Co.
KGCR	100	Brookings, S. D.	Cutler's Broadcasting Service.
KGDP	10	Pueblo, Colo.	Pueblo Coun. Boy Scouts of Amer.
KPCB	100	Seattle, Wash.	Pacific Coast Biscuit Co.
KPQ	100	Seattle, Wash.	Archie Taft and Louis Wasmer.
KWEA	100	Shreveport, La.	William B. Antony.
WBAX	100	Wilkes-Barre, Pa.	John H. Stenger, Jr.
WCBS	100	Springfield, Ill.	H. L. Dowling and Chas. Mosster.
WCOH	100	Greenville, N. Y.	Westchester Broadcasting Corp.
WCRW	100	Chicago, Ill.	Clinton R. White.
WDVF			
WLSI	100	Cranston, R. I.	D. W. Flint & Lincoln Studios, Inc.
WEBE	100	Cambridge, Ohio	Roy W. Waller.
WEBQ	50	Harrisburg, Ill.	Tate Radio Co.
WEDC	100	Chicago, Ill.	Emil Denemark, Inc.
WGBB	100	Freeport, N. Y.	Harry H. Carman.
WGCM	100	Gulfport, Miss.	Gulf Coast Music Co.
WHBF	100	Rock Island, Ill.	Boardsley Specialty Co.
WHBU	100	Anderson, Ind.	Citizens' Bank.
WIBA	100	Madison, Wis.	Cap. Times-Strand Theatre Station.
WINR	100	Bayshore, N. Y.	Radiotel Manufacturing Co., Inc.
WJBI	100	Redbank, N. J.	Robert S. Johnson.
WJBU	100	Lewisburg, Pa.	Bucknell University.
WJBY	50	Gadsden, Ala.	Electric Consumer Co.
WLBV	100	Mansfield, Ohio	Mansfield Broadcasting Assn.
WLCI	50	Ithaca, N. Y.	Lutheran Association of Ithaca.
WMAN	50	Columbus, Ohio	W. E. Hoskitt.
WMBG	100	Richmond, Va.	Havens and Martin, Inc.
WMBR	100	Tampa, Fla.	F. J. Reynolds.
WOCL	25	Jamestown, N. Y.	A. E. Newton.
WOMT	100	Manitowoc, Wis.	Mikadow Theatre.
WPAW	100	Pawtucket, R. I.	Frank Crook, Inc.
WRBQ	100	Greenville, Miss.	J. Pat Senly.
WRBU	100	Gastonia, N. C.	A. J. Kirby Music Co.
WSBC	100	Chicago, Ill.	World Battery Co.
WSIX	100	Springfield, Tenn.	638 Tire and Vulcanizing Co.
WTAX	50	Streator, Ill.	Williams Hardware Co.
WTAZ	150	Richmond, Va.	W. Reynolds, Jr., and T. J. McGuire.
<b>1220 Kc.—245.6 Met.</b>			
Dial Reading :			
KFKU	1000	Lawrence, Kans.	University of Kansas.
WCAD	500	*Canton, N. Y.	St. Lawrence University.
WCAE	500	Pittsburgh, Pa.	Kaufman and Baer Co.
WREN	1000	Lawrence, Kans.	Jenny Wren Co.
<b>1230 Kc.—243.8 Met.</b>			
Dial Reading :			
KFIO	100	*Spokane, Wash.	North Central High School.
KFQD	100	Anchorage, Alaska	Anchorage Radio Club.
KYA	1000	San Francisco, Calif.	Pacific Broadcasting Corp.
WBIS			
WGL	500	Ft. Wayne, Ind.	Allen Wayne Co.
WNAC	500	Boston, Mass.	The Shepard Stores.
WPSC	500	*State College, Pa.	Pennsylvania State College.
WSBT	500	South Bend, Ind.	South Bend Tribune.
<b>1240 Kc.—241.8 Met.</b>			
Dial Reading :			
KTAT	10000	Ft. Worth, Texas	Texas Air Transport B'cast Co.
WGHP	750	Fraser, Mich.	George H. Phelps, Inc.
WIOD	1000	Miami Beach, Fla.	Isle of Dreams Broadcasting Co.
WJAD	1000	Waco, Texas	Frank P. Jackson.
WQAM	750	Miami, Fla.	Electric Equipment Co.
WRBC	500	*Valparaiso, Ind.	Immanuel Lutheran Church.
<b>1250 Kc.—239.9 Met.</b>			
Dial Reading :			
KEJK	500	Beverly Hills, Calif.	R. S. Macmillan.
KFAU	1000	Boise, Idaho	Ind. School District of Boise City.
KFMX	1000	Northfield, Minn.	Carleton College.
KFOX	1000	Long Beach, Calif.	Nichols and Warinner, Inc.
KXL	500	Portland, Oreg.	KXL Broadcasters, Inc.
WAAM	250	Newark, N. J.	WAAM, Inc.
WCAL	1000	Northfield, Minn.	St. Olaf College.
WGCP	500	Newark, N. J.	May Radio Broadcasting Corp.
WGMs-			
WLB	1000	Minneapolis, Minn.	University of Minnesota.
WODA	1000	Paterson, N. J.	Richard E. O'Dea
WRHM	1000	Fridley, Minn.	Rosedale Hospital Co., Inc.

	Call Letters	Power	Location	Owner
<b>1260 Kc.—238.0 Met.</b>	<b>KOIL</b>	1000	Council Bluffs, Iowa	Mona Motor Oil Co.
	KRGV	500	Harlingen, Texas	Harlingen Music Co.
	Dial Reading:			
	KWVG	500	Brownsville, Texas	Chamber of Commerce.
	<b>WJAX</b>	1000	Jacksonville, Fla.	City of Jacksonville.
	<b>WLBW</b>	500	Oil City, Pa.	Petroleum Telephone Co.
<b>1270 Kc.—236.1 Met.</b>	<b>KOL</b>	1000	Seattle, Wash.	Rhodes Department Store.
	<b>KFUL</b>	1000	Colorado Springs, Colo.	W. D. Corley.
	Dial Reading:			
	<b>KGCA</b>	50	*Decorah, Iowa	Chas. W. Greenley.
	<b>KTW</b>	1000	Seattle, Wash.	First Presbyterian Church.
	<b>KWLC</b>	50	*Decorah, Iowa	Luther College.
	<b>WASH</b>	250	Grand Rapids, Mich.	Baxter Laundries, Inc.
	<b>WDSU</b>	1000	New Orleans, La.	Joseph H. Uhalt.
	<b>WFBR</b>	250	Baltimore, Md.	Baltimore Radio Show.
	<b>WOOD</b>	500	Grand Rapids, Mich.	Walter B. Stiles, Inc.
<b>1280 Kc.—234.2 Met.</b>	<b>WCAM</b>	500	Camden, N. J.	City of Camden.
	<b>WDAY</b>	500	Asbury Park, N. J.	Radio Industries Broadcasting Co.
	Dial Reading:			
	<b>WDAY</b>	1000	Fargo, N. D.	WDAY, Inc.
	<b>WDOD</b>	1000	Chattanooga, Tenn.	Chattanooga Radio Co., Inc.
	<b>WEBC</b>	1000	Superior, Wis.	Head of the Lakes Broadcasting Co.
	<b>WOAX</b>	500	Trenton, N. J.	Franklyn J. Wolff.
	<b>WRR</b>	500	Dallas Texas	City of Dallas.
<b>1290 Kc.—234.4 Met.</b>	<b>KDYL</b>	1000	Salt Lake City, Utah	Intermountain Broadcasting Corp.
	<b>KFUL</b>	500	Galveston, Texas	Will H. Ford.
	Dial Reading:			
	<b>KLCN</b>	50	*Blytheville, Ark.	Daily Courier News.
	<b>KTSA</b>	1000	San Antonio, Texas	Lone Star Broadcasting Co.
	<b>WJAS</b>	1000	Pittsburgh, Pa.	Pittsburgh Radio Supply House.
	<b>WNBZ</b>	10	*Saranac Lake, N. Y.	Smith and Mace.
<b>1300 Kc.—230.6 Met.</b>	<b>KFH</b>	1000	Wichita, Kans.	Hotel Lassen.
	<b>KFJR</b>	500	Portland, Oreg.	Ashley C. Dixon and Sons.
	Dial Reading:			
	<b>KGEE</b>	1000	Los Angeles, Calif.	Trinity Methodist Church.
	<b>KTBI</b>	1000	Los Angeles, Calif.	Bible Institute of Los Angeles.
	<b>KTBR</b>	500	Portland, Oreg.	M. E. Brown.
	<b>WBBB</b>	1000	Rossville, N. Y.	Peoples Pulpit Association.
	<b>WEVD</b>	500	Woodhaven, N. Y.	Debs Memorial Radio Fund.
	<b>WHAP</b>	1000	New York City	Defenders of Truth Society, Inc.
	<b>WHAZ</b>	500	Troy, N. Y.	Rensselaer Poly. Institute.
	<b>WIBW</b>	1000	Topeka, Kans.	C. L. Carrell.
<b>1310 Kc.—228.9 Met.</b>	<b>KFBK</b>	100	Sacramento, Calif.	Kimball-Upson Co.
	<b>KFCB</b>	100	Phoenix, Ariz.	Nielson Radio Supply Co.
	Dial Reading:			
	<b>KFGQ</b>	10	Boone, Iowa	Boone Biblical College.
	<b>KFJY</b>	100	Ft. Dodge, Iowa	C. S. Tunwall.
	<b>KFFL</b>	15	Dublin, Texas	C. C. Baxter.
	<b>KFFM</b>	15	Greenville, Texas	The New Furniture Co.
	<b>KFUP</b>	100	Denver, Colo.	Fitzsimmons General Hospital.
	<b>KFXF</b>	30	Edgewater, Colo.	Pikes Peak Broadcasting Co.
	<b>KFXR</b>	100	Oklahoma City, Okla.	Exchange Avenue Baptist Church.
	<b>KGEB</b>	100	Kallispell, Mont.	Flathead Broadcasting Association.
	<b>KGFI</b>	100	San Angelo, Texas	San Angelo Broadcasting Co.
	<b>KGGH</b>	50	Cedar Grove, La.	Bates Radio and Radio Co.
	<b>KGGH</b>	50	McGeehee, Ark.	Chas. W. McCollum.
	<b>KRMD</b>	50	Shreveport, La.	Robert M. Dean.
	<b>KWCR</b>	100	Cedar Rapids, Iowa	Harry F. Paar.
	<b>WABY</b>	50	Philadelphia, Pa.	John Magaldi, Jr.
	<b>WAGM</b>	50	Royal Oak, Mich.	Robert L. Miller.
	<b>WBMH</b>	100	Detroit, Mich.	Brann's Music House.
	<b>WBOW</b>	100	Terre Haute, Ind.	Banks of Wabash Broadcast'g Assn.
	<b>WBRE</b>	100	Wilkes-Barre, Pa.	Louis G. Baltimore.
	<b>WCLS</b>	100	Joliet, Ill.	WCLS, Inc.
	<b>WDAH</b>	100	El Paso, Texas	Trinity Methodist Church.
	<b>WEER</b>	100	Buffalo, N. Y.	H. H. Howell.
	<b>WEHS</b>	100	Evanston, Ill.	Victor C. Carlson.
	<b>WFEG</b>	100	Altoona, Pa.	William F. Gable Co.
	<b>WFDF</b>	100	Flint, Mich.	Frank D. Fallain.
	<b>WFKD</b>	50	Frankford, Pa.	Foulkrod Radio Eng. Co.
	<b>WGAL</b>	15	Lancaster, Pa.	Lancaster Elec. Supply and Cons. Co.
	<b>WGH</b>	100	Newport News, Va.	Virginia Broadcasting Co., Inc.
	<b>WHBP</b>	100	Johnstown, Pa.	Johnstown Auto Co.
	<b>WHFC</b>	100	Chicago, Ill.	Goodson and Wilson, Inc.
	<b>WIAD</b>	100	Philadelphia, Pa.	Howard R. Miller.
	<b>WIBU</b>	100	Poynette, Wis.	The Electric Farm.
	<b>WJAK</b>	50	Kokomo, Ind.	J. A. Kautz (Kokomo Tribune).
	<b>WKAV</b>	50	Laconia, N. H.	Laconia Radio Club.
	<b>WKBB</b>	100	Joliet, Ill.	Sanders Bros., Inc.
	<b>WKBC</b>	10	Birmingham, Ala.	H. L. Ansley.
	<b>WKBI</b>	50	Chicago, Ill.	Fred Schoenwolf.
	<b>WKBS</b>	100	Galesburg, Ill.	Permil N. Nelson.
	<b>WLBC</b>	50	Muncie, Ind.	Donald A. Burton.
	<b>WLBO</b>	100	Galesburg, Ill.	Fred A. Trebbe, Jr.
<b>WMBL</b>	100	Lakeland, Fla.	Benford's Radio Studio.	
<b>WMPC</b>	30	Lapeer, Mich.	First Methodist Protestant Church.	
<b>WNAT</b>	100	Philadelphia, Pa.	Lennig Bros. Co.	
<b>WNBH</b>	250	New Bedford, Mass.	New Bedford Broadcasting Co.	
<b>WNBJ</b>	50	Knoxville, Tenn.	Landsale Baptist Church.	
<b>WOBT</b>	15	Union City, Tenn.	Tittsworth's Radio and Music Shop.	
<b>WOL</b>	100	Washington, D. C.	American Broadcasting Co.	
<b>WRAW</b>	100	Reading, Pa.	Ave. Radio and Electric Shop.	
<b>WRBI</b>	20	Tifton, Ga.	Kent's Furniture Store.	
<b>WRBW</b>	100	Columbia, S. C.	P. S. Pearce.	
<b>WRK</b>	100	Hamilton, Ohio	S. W. Doron and John C. Slade.	
<b>WSAJ</b>	100	Grove City, Pa.	Grove City College.	
<b>WSMD</b>	100	Salisbury, Md.	Tom F. Little.	
<b>WTHS</b>	100	Atlanta, Ga.	Atlanta Technical High School.	

	Call Letters	Power	Location	Owner
<b>1320 Kc.—227.1 Met.</b>	KGHB	250	Honolulu, Hawaii	Radio Sales Co.
	KGHF	250	Pueblo, Colo.	Curtis P. Ritchie.
	KGIO	250	Idaho Falls, Idaho	J. W. Duckworth, Jr.
	KGIQ	250	Twin Falls, Idaho	Stanley M. Soule.
	WADC	1000	Akron, Ohio	Allen T. Simmons.
Dial Reading :	WSMB	750	New Orleans, La.	Saenger Theatres, Inc.
<b>1330 Kc.—225.4 Met.</b>	KSCJ	1000	Sioux City, Iowa	Perkins Bros. Co.
	WDRC	500	New Haven, Conn.	Doolittle Radio Corp.
	WTAQ	1000	Washington, Wisc.	Gillette Rubber Co.
<b>1340 Kc.—223.7 Met.</b>	KEPW	50	*Sulphur Springs, Ark.	Lannie P. Stewart.
	KMO	500	Tacoma, Wash.	KMO, Inc.
	KVI	1000	Tacoma, Wash.	Puget Sound Radio Broadcast'g Co.
	WSPD	500	Toledo, Ohio	Toledo Broadcasting Co.
<b>1350 Kc.—222.1 Met.</b>	KWK	1000	St. Louis, Mo.	Greater St. Louis Broadcasting Corp.
	WBNY	250	New York, N. Y.	Baruchrome Corp.
	WCDA	250	New York, N. Y.	Italian Educational Broadcast'g Co.
	WKBQ	250	New York, N. Y.	Standard Cahill Co., Inc.
	WMSG	250	New York, N. Y.	Madison Sq. Garden Brdcastg. Corp.
<b>1360 Kc.—220.4 Met.</b>	KFBB	250	Havre, Mont.	F. A. Buttrey Co.
	KGB	250	San Diego, Calif.	Southwestern Broadcasting Co.
	KGIR	250	Butte, Mont.	Symons Broadcasting Co.
	WBET	500	Boston, Mass.	Boston Transcript Co.
	WGES	500	Chicago, Ill.	Oak Leaves Broadcasting Corp., Inc.
	WJKS	500	Gary, Ind.	Johnson-Kennedy Radio Corp.
	WMAF	500	S. Dartmouth, Mass.	Round Hills Radio Corp.
	WQBC	300	Utica, Miss.	Utica Chamber of Commerce, Inc.
	<b>1370 Kc.—218.8 Met.</b>	KFBL	50	Everett, Wash.
KFEC		100	Portland, Oreg.	Meir and Frank Co.
KFJI		50	Astoria, Oreg.	George Kincaid.
KFJZ		100	Ft. Worth, Texas	Henry Clay Allison.
KFLX		100	Galveston, Texas	G. R. Clough.
KFUR		50	Ogden, Utah	Perry Building Co.
KGAR		100	Tucson, Ariz.	Citizens Publishing Co.
KGBX		100	St. Joseph, Mo.	Foster-Hall Tire Co.
KGCB		100	Enid, Okla.	Champlin Refining Co.
KGCI		100	San Antonio, Texas	Liberto Radio Sales.
KGDA		15	Dell Rapids, S. D.	Home Auto Co.
KGER		100	Long Beach, Calif.	C. Merwin Dobynes.
KGFG		50	Oklahoma City, Okla.	Full Gospel Church.
KGFL		50	Raton, N. M.	N. L. Cotter.
KGGM		100	Albuquerque, N. M.	Jay Peters.
KGKL		100	San Angelo, Texas	M. L. Cates.
KGRC		100	San Antonio, Texas	E. J. Roth.
KOH		100	Reno, Nev.	Jay Peters, Inc.
KOOS		50	Marshfield, Ore.	H. H. Hanseth.
KRE		100	Berkeley, Calif.	First Congregational Church.
KWKC		100	Kansas City, Mo.	Wilson Duncan Broadcasting Co.
KZM		100	Hayward, Calif.	Leon P. Tenney.
WBBL		100	Richmond, Va.	Grace Covenant Presbyt'n Church.
WCBM		100	Baltimore, Md.	Hotel Chateau.
WEAM		100	Plainfield, N. J.	W. J. Buttfeld.
WFBJ		100	Collegeville, Minn.	St. Johns University.
WHBD		100	Bellefontaine, Ohio	First Presbyterian Church.
WHBQ		100	Memphis, Tenn.	Broadcasting Station WHBQ, Inc.
WHDF		100	Calumet, Mich.	C. C. MacLeod.
WIAD		100	Philadelphia, Pa.	H. R. Miller.
WIBM	100	Jackson, Mich.	C. L. Carroll.	
WJBK	50	Ypsilanti, Mich.	Ernest F. Goodwin.	
WJBO	100	New Orleans, La.	Valdomar Jensen.	
WMOB	100	Auburn, N. Y.	Radio Service Laboratories.	
WRAK	50	Erie, Pa.	C. R. Cummins.	
WRBT	50	Wilmington, N. C.	Wilmington Radio Association.	
WSVS	50	Buffalo, N. Y.	Seneca Vocational School.	
<b>1380 Kc.—217.3 Met.</b>	KQV	500	Pittsburgh, Pa.	Doubleday-Hill Electric Co.
	KSO	1000	Clarinda, Iowa	Berry Seed Co.
	WCSS	500	Springfield, Ohio	Wittenberg College.
	WHBL	1000	Sheboygan, Wis.	Press Publishing Co.
Dial Reading :	WKBH	1000	LaCrosse, Wisc.	Callaway Music Co.
<b>1390 Kc.—215.7 Met.</b>	KOW	500	Denver, Colo.	Associated Industries Bdcstg. Corp.
	KFPY	500	Spokane, Wash.	Symons Investment Co.
	KLRA	1000	Little Rock, Ark.	Arkansas Broadcasting Co.
	KWSC	500	Pullman, Wash.	State College of Washington.
	KUOA	1000	Fayetteville, Ark.	University of Arkansas.
	WDGY	500	Minneapolis, Minn.	Dr. George W. Young.
	WHDI	500	Minneapolis, Minn.	Dunwoody Industrial Institute.
Dial Reading :	WHK	1000	Cleveland, Ohio	Radio Air Service Corp.
<b>1400 Kc.—214.2 Met.</b>	WBAA	500	LaFayette, Ind.	Purdue University.
	WBBC	500	Brooklyn, N. Y.	Brooklyn Broadcasting Corp.
	WCGU	500	Sea Gate, Coney Island, N. Y.	U. S. Broadcasting Corp.
	WCMA	500	Culver, Ind.	Culver Military Academy.
	WKBF	500	Indianapolis, Ind.	Noble Butler Watson.
	WLTH	500	Brooklyn N. Y.	Voice of Brooklyn, Inc.
	WSDA-			
	WSGH	500	Brooklyn N. Y.	Amateur Radio Spec. Co.

	Call Letters	Power	Location	Owner
<b>1410 Kc.—212.6 Met.</b>	KFLV	500	Rockford, Ill.	Swedish Evang. Mission Church.
	KGRS	1000	Amarillo, Texas	Gish Radio Service.
	W DAG	1000	Amarillo, Texas	J. Laurence Martin.
	WBCM	500	Bay City, Mich.	World's Star Knitting Co.
Dial Reading :				
<b>1420 Kc.—211.1 Met.</b>	KFIF	50	Portland, Oreg.	Benson Polytechnic School.
	KFIZ	100	Fond du Lac, Wis.	Fond du Lac Commonw' th Reporter.
	KFQU	100	Holy City, Calif.	W. E. Riker.
	KFQW	100	Seattle, Wash.	KFQW, Inc.
	KFXD	50	Jerome, Idaho	Service Radio Co.
	KFXV	100	Flagstaff, Ariz.	Mary M. Costigan.
	KFYO	100	Abilene, Texas	Kirksey Bros.
	KGCN	50	Concordia, Kans.	Concordia Broadcasting Co.
	KGCC	10	Vida, Mont.	First State Bank of Vida.
	KGFF	100	Alva, Okla.	Earl L. Hampshire.
	KGfJ	100	Los Angeles, Calif.	Ben S. McGlashan.
	KGfW	50	Ravenna, Nebr.	Otto F. Sothman.
	KGHD	50	Missoula, Mont.	Elmore Nash Broadcasting Corp.
	KGIW	100	Trinidad, Colo.	Trinidad Creamery Co.
	KGKX	15	Sandpoint, Idaho	C. E. Twiss.
	KGTT	50	San Francisco, Calif.	Glad Tidings Temple & Bible Inst.
	KICK	100	Red Oak, Iowa	*Red Oak Radio Corp.
	KKP	15	Seattle, Wash.	City of Seattle Harbor Dept.
	KOCW	100	Chickasha, Okla.	Oklahoma College for Women.
	KORE	100	Eugene, Oreg.	Eugene Broadcasting Station.
	KTAP	100	San Antonio, Texas	R. B. Bridge.
	KTUE	5	Houston, Texas	Uhalt Electric Co.
	KXRO	75	Aberdeen, Wash.	KXRO, Inc.
	WAAD	25	Cincinnati, Ohio	Ohio Mechanics Institute.
	WEDH	30	Erie, Pa.	Erie Dispatch Herald.
	WHDL	10	Tupper Lake, N. Y.	G. F. Bissel.
	WHPP	10	New York, N. Y.	Bronx Broadcasting Co.
	WIAS	100	*Ottumwa, Iowa	Poling Electric Co.
	WIBR	50	Steubenville, Ohio	Thurman A. Owings.
	WIL	1000	St. Louis, Mo.	Missouri Broadcasting Corporation.
WKBP	50	Battle Creek, Mich.	Enquirer News Co.	
WLBF	100	Kansas City, Kan.	Everett L. Dillard.	
WLBH	30	Farmingdale, N. Y.	Joseph J. Lombardi.	
WLFX	100	Lexington, Mass.	Lexington Air Station.	
WMBC	100	Detroit, Mich.	Michigan Broadcasting Co., Inc.	
WMBB	100	Joplin, Mo.	Edwin Dudley Abor.	
WMRJ	10	Jamaica, N. Y.	Peter J. Prinz.	
WQBZ	60	Weirton, W. Va.	J. H. Thompson.	
WSRO	100	Middletown, Ohio	Harry W. Farlander.	
WSSH	100	Boston, Mass.	Tremont Temple Baptist Church.	
WTBO	50	Cumberland, Md.	Cumberland Electric Co.	
<b>1430 Kc.—209.7 Met.</b>	WBAK	500	Harrisburg, Pa.	State Police.
	WBRL	500	Tilton, N. H.	Booth Radio Laboratories.
	WCAH	250	Columbus, Ohio	Commercial Radio Service Co.
	WGBC	500	Memphis, Tenn.	First Baptist Church.
	WICC	500	Easton, Conn.	Bridgeport Broadcast'g Station, Inc.
	WMBS	500	Lemoyn, Pa.	Mack's Battery Co.
	WNBR	500	Memphis, Tenn.	John Ulrich.
Dial Reading :				
<b>1440 Kc.—208.2 Met.</b>	KLS	250	Oakland, Calif.	Warner Bros.
	WABF	250	Kingston, Pa.	Markle Broadcasting Corp.
	WABO			
	WCBA	250	Allentown, Pa.	B. B. Musselman.
	WHCC	500	Rochester, N. Y.	Hickson Electric Co.
	WMAC	500	Cazenovia, N. Y.	Clive B. Meredith.
	WMBD	500	Peoria Heights, Ill.	Peoria Heights Radio Laboratories.
	WNRC	500	Greensboro, N. C.	Wayne M. Nelson.
	WOKO	500	Mt. Beacon, N. Y.	Harold E. Smith.
	WSAN	250	Allentown, Pa.	Call Pub. Co.
	WTAD	500	Quincy, Ill.	Ill. Stock Medicine Brdcastg. Corp.
<b>1450 Kc.—206.8 Met.</b>	KSBA	1000	Shreveport, La.	W. G. Patterson.
	WBMS	250	Fort Lee, N. J.	WBMS Broadcasting Corp.
	WFJC	500	Akron, Ohio	W. J. Jones Broadcasting Inc.
	WIBS	250	Elizabeth, N. J.	New Jersey Broadcasting Corp.
	WJAY	500	Cleveland, Ohio	Cleveland Radio Broadcasting Corp.
	WKBO	250	Jersey City, N. J.	Camith Corp.
	WNJ	250	Newark, N. J.	Herman Lubinsky.
WSAR	250	Fall River, Mass.	Doughty & Welch Electric Co., Inc.	
WTFI	500	Toccoa, Ga.	Toccoa Falls Institute.	
Dial Reading :				
<b>1460 Kc.—205.4 Met.</b>	KSTP	10000	Westcott, Minn.	National Battery Broadcasting Co.
	WJSV	10000	Mt. Vernon, Va.	Independent Publishing Co.
Dial Reading :				
<b>1470 Kc.—204.0 Met.</b>	KFJF	5000	Oklahoma City, Okla.	National Radio Manufacturing Co.
	KGA	5000	Spokane, Wash.	Northeast Radio Service Co.
	WKBW	5000	Buffalo, N. Y.	Churchill Evangelistic Assn., Inc.
	WRUF	5000	Gainesville, Fla.	University of Florida.
Dial Reading :				
<b>1480 Kc.—202.6 Met.</b>	WHT	5000	Deerfield, Ill.	Radiophone Broadcasting Corp.
	WJAZ	5000	Mt. Prospect, Ill.	Zenith Radio Corp.
	WORD	5000	Batavia, Ill.	Peoples Pulpit Association.
Dial Reading :				
<b>1490 Kc.—201.6 Met.</b>	KPWF	50000	Westminster, Calif.	Pacific West. B'casting Federation.
	WBAW	5000	Nashville, Tenn.	Waldrum Drug Co.
	WLAC	5000	Nashville, Tenn.	Life and Casualty Insurance Co.

Call Letters	Power	Location	Owner
<b>1500 Kc.—199.9 Met.</b>			
Dial Reading :			
KFCR	100	Santa Barbara, Calif.	Santa Barbara Broadcasting Co.
KFXJ	50	Edgewater, Colo.	R. G. Howell.
KGDR	100	San Antonio, Texas	Joe. B. McShane.
KGHI	100	Little Rock, Ark.	Berean Bible Class.
KGHX	50	Richmond, Texas	Ft. Bend County School Board.
KGKB	100	<b>Brownwood, Texas.</b>	Eagle Publishing Co.
KPJM	100	Prescott, Ariz.	Frank Wilburn.
KUJ	10	Long View, Wash.	Fred W. Lovejoy and R. W. Kerfoot.
KVL	100	Seattle, Wash.	Arthur C. Dailey.
KWBS	15	Portland, Oreg.	Schaeffer Radio Co.
KWTC	100	Santa Ana, Calif.	Pacific Broadcasting Federation.
WAFD	100	Detroit, Mich.	Albert B. Parfet Co.
WALK	50	Willow Grove, Pa.	Albert A. Walker.
WCLB	100	Long Beach, N. Y.	Arthur Paske.
WHBW	100	Philadelphia, Pa.	D. R. Kienzle.
WIBZ	15	Montgomery, Ala.	Alexander D. Trum.
WILM	100	Wilmington, Del.	Delaware B'casting Co.
WKBV	100	Brookville, Ind.	Knox Battery and Electric Co.
WKBZ	50	Ludington, Mich.	K. L. Ashbacher.
WLEX	100	Long Island City	John N. Braby.
WLOE	100	Chelsea, Mass.	William S. Pote.
WMBA	100	Newport, R. I.	LeRoy Joseph Beebe.
WMBM	10	Memphis, Tenn.	Seventh Day Adventist Church.
WMBQ	100	Brooklyn, N. Y.	Paul J. Gollhofer.
WMES	50	Boston, Mass.	Massachusetts Educational Society.
WNBQ	50	Binghamton, N. Y.	Howitt-Wood Radio Co.
WNBQ	15	Rochester, N. Y.	Gordon P. Brown.
WOO	100	Philadelphia, Pa.	John Wanamaker.
WPSW	50	Philadelphia, Pa.	Philadelphia School of Wireless Tel.
WRBJ	10	Hattiesburg, Miss.	Woodruff Furniture Co.
WWRL	100	Woodside, N. Y.	William H. Reuman.

### AMERICAN SHORT WAVE BROADCASTING STATIONS

Call	Meters	Kilo-cycles	Power	Location	Owner
1XAA	200	1500	7.5	Providence, R. I.	S. N. Read
1XAB	63.79	4700	250	Portland, Me.	Henry P. Rines
2XAC	105.9	2833	50	New York, N. Y.	Atlantic Broadcasting Corp.
2XAD	10 to 50 meters	40000		Schenectady, N. Y.	General Electric Co.
2XAF	10 to 50 meters	25000		Schenectady, N. Y.	General Electric Co.
2XAL	30.91	9700	500	New York	Experimenter Publishing Co.
2XBA	65.18	4600	50	Newark, N. J.	WAAM, Inc.
2XBH	54.02	5550	225	Brooklyn, N. Y.	Chas. G. Unger
2XE	106	2498	500	New York	Atlantic Broadcasting Corp.
3XL	59.96	5000	30000	Boundbrook, N. J.	Radio Corporation of America
4XA	125	2400	5000	Whitehaven, Tenn.	WREC, Inc.
4XA	120	2500	5000	Whitehaven, Tenn.	WREC, Inc.
4XE	Variable		2000	Winter Park, Fla.	Wm. J. Lee
6XAD	53.07	5650	100	Avalon, Calif.	Lawrence Mott
6XAI	107.1	2801	100	Los Angeles, Calif.	Los Angeles Radio Club
6XAI	66.04	4540	50	Los Angeles, Calif.	Los Angeles Radio Club
6KAK	108.2	2773	50	Eureka, Calif.	F. W. Morse
6XAN	105.9	2830	250	Los Angeles, Calif.	Freeman Lang
6XAR	Variable		50	San Francisco	J. Brunton & Sons
6XBH	106.6	2814	50	Holy City, Calif.	W. E. Riker
6XBX	105	2857	50	Venus, Calif.	McWhinnie Electric Co.
7XAB	105.9	2833	100	Spokane, Wash.	Symons Investment Co.
7XAO	53.54	5603	100	Portland, Oreg.	Wilbur Jerman, Inc.
7XO	54.02	5553	100	Spokane, Wash.	N. W. Radio Service Co.
8XAL	52.69	5690	250	Cincinnati, Ohio	Crosley Radio Corp.
8XAO	32	9370	75	Detroit, Mich.	WJR, Inc.
8XF	66.04	4540	500	Cleveland, Ohio	Radio Air Service
8XJ	54.02	5553	50	Columbus, Ohio	Ohio State University
8XK	Variable			Pittsburgh	Westinghouse E. & M. Co.
8XP	Variable			Pittsburgh	Westinghouse E. & M. Co.
9XAB	105	2837	50	Omaha, Nebr.	R. J. Rockwell
9XU	61.06	4910	50	Council Bluffs, Iowa	Mona Motor Oil Co.

**TONIGHT'S CHAIN PROGRAM** (Continued from 2d Cover)

**11:00-12:00 Radio-Keith-Orpheum Hour (NBC)**  
 KOA WCAE WFI WKY WSM  
 KPRC WCSH WGR WMC WTAG  
 KSD WDAF WGY WOI WTAM  
 KSL WDAF WHAS WRC WTIC  
 KSTP WDAF WOI WRC WTIC  
 KYW WEEI WJAR WSB WWJ  
 WBT WFAA WJAX

**Wednesday**

**7:30-8:00 The La Touraine Tableaux (NBC)**  
 WCAE WEEI WGY WTAG WTIC  
 WCSH WGR WJAR WTAM WWJ  
 WDAF

**8:00-8:30 Sunkist Serenaders (NBC)**  
 KSD WDAF WGR WOC WTAG  
 WCAE WDAF WJAR WOV WTIC  
 WCSH WEEI WLIT WRC WWJ

**8:30-9:00 Sylvania Foresters (NBC)**  
 KDKA WBZ WGN WJR WLW  
 KWK WBZA WHAM WJZ WREN  
 WBAL

**9:00-9:30 Ipana Troubadours (NBC)**  
 KOA WCSH WGY WTAG  
 KPRC WDAF WHAS WRC WTAM  
 KSD WDAF WJAR WSAI WTIC  
 WBAP WEEI WMC WSB WTMJ  
 WBT WGN WOI WSM WWJ  
 WCAE WGR

**9:00-9:30 Smith Brothers (NBC)**  
 KDKA WBAL WBZA WJR WLW  
 KWK WBZ WHAM WJZ WREN  
 KYW

**9:30-10:30 Palmolive Hour (NBC)**  
 KFI KSD WEEI WJAX WSB  
 KGO KVOO WFAA WLIT WSM  
 KGW WBT WGN WMC WTAG  
 KHQ WCAE WGR WOI WTAM  
 KOA WCSH WGY WOV WTIC  
 KOMO WDAF WHAS WRC WTMJ  
 KPRC WDAF WJAR WSAI WWJ

**10:00-11:00 Balkite Hour (NBC)**  
 KDKA WBAL WBZA WHAM WJZ  
 KWK WBZ WENR WJR WLW  
 KYW

**10:00-10:30 Kolster Radio Hour (CBS)**  
 KMBC WAIU WJBL WKRC WMAQ  
 KMOX WCAO WGHP WMAF WNAC  
 KOIL WCAU WHK WMAK WOR  
 WABC WCCO WICC WMAL WOWO  
 WADC WFAN WJAS

**10:30-11:00 Gold Strand Orchestra (NBC)**  
 KFI KSD WDAF WJAR WRC  
 KGW KSL WEEI WKY WSB  
 KHQ KSTP WFAA WLIT WSM  
 KOA KYW WGO WMC WTAG  
 KOMO WBT WGR WOI WTAM  
 KPO WCAE WGY WOC WTIC  
 KPRC WCSH WHAS WOV WWJ

**10:30-11:00 The Buccaneers (CBS)**  
 KMBC WAIU WJBL WKRC WMAQ  
 KMOX WCAO WGHP WMAF WNAC  
 KOIL WCAU WHK WMAK WOR  
 WABC WCCO WICC WMAL WOWO  
 WADC WFAN WJAS

**Thursday**

**8:00-8:30 The Song Shop (NBC)**  
 KOA WDAF WJAR WSAI WTIC  
 WCAE WFI WOV WTAG WTMJ  
 WCSH WGR WRC WTAM WWJ  
 WDAF WGY WRHM

**8:00-8:30 Lehn and Fink Serenaders (NBC)**  
 KDKA KWK WBZ WHAM WLW  
 KPRC KYW WBZA WJR WOI  
 KVOO WBAL WFAA WJZ

**8:30-9:00 Hoover Sentinels (NBC)**  
 KDS WDAF WGN WOV WSM  
 KVOO WEEI WGY WRC WTAM  
 WCAE WFAA WHAS WSAI WWJ  
 WDAF WFI WMC WSB

**8:30-9:00 Champion Sparkers (NBC)**  
 KDKA WBAL WBZA WJR WLW  
 KWK WBZ WHAM WJZ WREN  
 KYW

**9:00-9:30 Seiberling Singers (NBC)**  
 KFI KPRC WDAF WHAS WSB  
 KGO KSD WEEI WJAR WSM  
 KGW KVOO WFAA WOI WTAM  
 KHQ WBT WFI WOV WTIC  
 KOA WCAE WGR WRC WTMJ  
 KOMO WCSH WGY WSAI WWJ  
 KPO WDAF

**9:30-10:00 Maxwell House Hour (NBC)**  
 KDKA KYW WDAF WJR WOV  
 KOA WBAL WHAM WJZ WRHM  
 KPRC WBAP WFAA WLW WSB  
 KSD WBT WFO WMC WSM  
 KSTP WBZ WJAX WOC WTMJ  
 KVOO WBZA

**P. M.**

**10:00-10:30 Halsey-Stuart Hour (NBC)**  
 KOA WCSH WFI WJAR WSAI  
 KSD WDAF WGN WMC WSB  
 KVOO WDAF WGR WOI WTAG  
 WBT WEEI WGY WOV WTIC  
 WCAE WFAA WHAS WRC WTMJ

**10:00-10:30 Melodies and Memories (CBS)**  
 KMBC WAIU WJBL WKRC WMAQ  
 KMOX WCAO WGHP WMAF WNAC  
 KOIL WCAU WHK WMAK WOR  
 WABC WCCO WICC WMAL WOWO  
 WADC WFAN WJAS

**10:30-11:00 Thirty Minute Men (CBS)**  
 KMBC WAIU WJBL WKRC WMAQ  
 KMOX WCAO WGHP WMAF WNAC  
 KOIL WCAU WHK WMAK WOR  
 WABC WCCO WICC WMAL WOWO  
 WADC WFAN WJAS

**Friday**

**7:30-8:00 Dixies Circus (NBC)**  
 KDKA WBT WHAS WLW WSB  
 KYW WBZ WJR WMC WSM  
 WBAL WBZA WJZ

**8:00-9:00 Cities Service Orchestra (NBC)**  
 KOA WCAE WEEI WLIT WSAI  
 KSD WDAF WFAA WOV WTAM  
 KVOO WDAF WGY WRC WWJ  
 KYW

**8:00-8:30 Interwoven Entertainers (NBC)**  
 KDKA WBT WHAM WJZ WREN  
 KYW WBZ WHAS WLW WSB  
 WBAL WBZA WJR WMC WSM

**8:30-9:00 The Armstrong Quakers (NBC)**  
 KDKA WBT WHAS WLW WRHM  
 KWK WBZ WJR WMC WSB  
 KYW WBZA WJZ WREN WSM  
 WBAL WHAM

**9:00-9:30 An Evening in Paris (NBC)**  
 KSD WDAF WGR WRC WTAG  
 WCAE WEEI WJAR WSAI WTIC  
 WCSH WFI WJR WTAM WWJ  
 WDAF WGN

**9:00-10:00 Wrigley Review (NBC)**  
 KDKA KOMO WBT WHAS WMC  
 KFI KSL WBZ WJAX WREN  
 KGO KSTP WBZA WJR WRVA  
 KGW KWK WABC WJZ WSB  
 KHQ KYW WHAM WLM WSM  
 KOA WBAL

**9:00-10:00 True Story Hour (CBS)**  
 KMBC WAIU WJBL WKRC WMAQ  
 KMOX WCAO WGHP WMAF WNAC  
 KOIL WCAU WHK WMAK WOR  
 WABC WCCO WICC WMAL WOWO  
 WADC WFAN WJAS

**9:30-10:00 Schradertown Brass Band (NBC)**  
 KFD WDAF WGN WJAR WTAG  
 WCAE WDAF WGR WJAR WTIC  
 WCSH WEEI WGY WOV WWJ

**9:30-10:00 Philco Hour (NBC)**  
 KDKA KYW WBZA WJZ WOV  
 KOA WBAL WHAM WLW WRC  
 KPRC WBAP WHAS WMC WREN  
 KSTP WBT WHO WOI WSB  
 KVOO WBZ WJR WOC WTMJ  
 KWK

**10:00-11:00 National Broadcasting and Concert Bureau Hour (NBC)**  
 KSD WDAF WGN WRC WTIC  
 WCAE WDAF WGR WSAI WTMJ  
 WCSH WEEI WLIT WTAG WWJ

**10:00-10:30 Stromberg-Carlson Sextette (NBC)**  
 KDKA WBAL WFAA WLZ WREN  
 KPRC WBT WHAM WLW WSB  
 KVOO WBZ WHAS WMC WSM  
 KWK WBZA WJR WOI WTMJ  
 KYW

**10:30-11:00 United Salon Orchestra (CBS)**  
 KMBC WAIU WJBL WKRC WMAQ  
 KMOX WCAO WGHP WMAF WNAC  
 KOIL WCAU WHK WMAK WOR  
 WABC WCCO WICC WMAL WOWO  
 WADC WFAN WJAS

**Saturday**

**9:00-10:00 National Orchestra (NBC)**  
 KOA WCSH WFI WHAS WTIC  
 KSD WDAF WGR WOV WTMJ  
 WCAE WEEI WGY WRC WWJ

**10:00-11:00 Lucky Strike Dance Orchestra Hour (NBC)**  
 KFI KPRC WDAF WHAS WSAI  
 KGO KSD WDAF WJAR WSB  
 KGW KSL WEEI WJAX WTMJ  
 KHQ KVOO WFAA WMC WTIC  
 KOA WBT WFO WOI WTMJ  
 KOMO WCAE WGN WOV WWJ  
 KPO WCSH WGR WRC

**\$350 a month**

"I feel proud of my success in Radio to date. My profit during the last two months amounts to \$700. I am making good and I have not finished my N. R. I. course yet. I am grateful for your training and co-operation to date and look forward to still bigger success when I graduate."

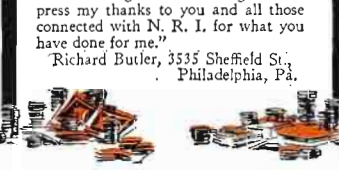
Clarence Heffelfinger,  
Temple, Penna.



**\$500 a month**

"When I enrolled with the N. R. I., I was a motorman on a trolley car. Now I have a fine, fast-growing Radio business. When only half way through the course started bringing in extra money. I made \$420 in my spare time. Now I have a bank account of \$2800 and about \$300 worth of stock. It has all come from Radio since graduating less than six months ago. I cannot begin to express my thanks to you and all those connected with N. R. I. for what you have done for me."

Richard Butler, 3535 Sheffield St.,  
Philadelphia, Pa.



**\$450 a month**

"In addition to my regular work in what I believe to be the largest and best equipped Radio Shop in the Southwest, I am now operating KGFI. I am proud of the fact that I installed and put KGFI on the air without help of anyone except the N. R. I. I am averaging \$450 per month."

Frank M. Jones,  
San Angelo, Tex.



# READ what Big Money my men make in RADIO

\$350, \$450, \$500 a month. That's making real money. What business other than Radio offers such opportunities after six to twelve months training? None that I know of. More proof—last year electricians, farmers, mechanics, clerks, railroad men, bookkeepers, preachers, doctors, and men from 78 other trades and professions enrolled with me to prepare for the Radio field.

### Big Growth Making Many Big Jobs

A WONDERFUL business, you will say, to make men trained for other fields, give them up for Radio. Yes, but they had their eyes wide open. They know what you and I know—that big growth makes big jobs and many opportunities to earn big money. Heffelfinger, Jones, and Butler couldn't make anything like this money before, although they probably worked just as hard—maybe harder. Trained men are needed for the big jobs the amazing growth of Radio is creating.

### Salaries Up To \$250 a Week

WHY go along at \$25, \$30, \$35 a week when the good Radio jobs pay \$50 to \$250 a week? Cut loose from drudgery, small pay, no-future jobs. Get into a live-wire field that offers you a real chance. You don't need a high school or college education to become a Radio Expert. Many of my most successful graduates didn't finish the grades.

### Practical Experience With Course

I GIVE you six big outfits of Radio parts. With them you can build and experiment with one hundred different circuits—learn the "how" and "why" of practically every type of set made. This makes learning easy, interesting, fascinating, your training complete. Nothing else equais my method.

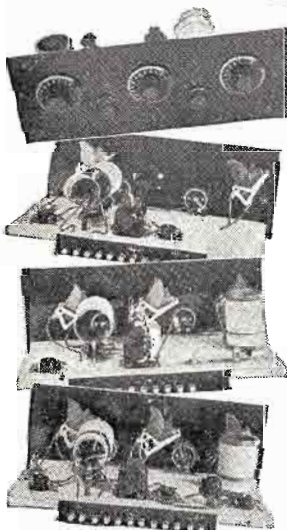
### TELEVISION also Included.

YOUR knowledge of Radio will be right up to the minute with Radio's progress and inventions when you take my training. Television, the new field for Radio experts, is included. Not one system for sending and receiving pictures by Radio, but all of them—Jenkin's, Cooley's, Bell's, Baird's, Belin's, Alexanderson's.

Television can easily and quickly become as large as the whole Radio industry is today. Broadcasting stations will soon need trained men, so will manufacturers for the designing and building of sending and receiving sets. It won't wait for you. Get ready quick.

**THIS IS RADIO'S BIGGEST YEAR.**

**I GIVE YOU THE RADIO PARTS FOR A HOME EXPERIMENTAL LABORATORY**



**WITH THEM YOU CAN BUILD 100 CIRCUITS. & YOU BUILD ARE SHOWN HERE. MY BOOK EXPLAINS THIS PRACTICAL FASCINATING WAY OF LEARNING RADIO**

*Get a copy Free*

## I Will Train You at Home in Your Spare Time

NO NEED to leave home. Hold your job, give me one-half to one hour a day of your spare time. In six to twelve months you can be a trained Radio Expert, ready to step into a new job with a real future.

### \$10 to \$30 a Week While Learning

MANY of my students make \$10, \$20, \$30 a week extra while learning. I teach you to begin making money shortly after you enroll. G. W. Page, 1807 21st St., Nashville, Tenn., made \$935 in his spare time.

### Money Back If Not Satisfied

I KNOW the kind of training you need. I have put hundreds of men and young men ahead. I am so sure that I can satisfy you too that I will agree to refund your money if you are not satisfied when you complete my course.

### Find Out What Radio Offers You

MY 64-page book explaining where the big jobs are and what you can make is FREE. Mail coupon. No obligation. Address: Dept. 9PW J. E. Smith, Pres., Nat'l Radio Institute, Washington, D. C.



## Send this Coupon

J. E. Smith, President,  
Dept. 9PW National Radio Institute,  
Washington, D. C.

Dear Mr. Smith:—Send me your book. I want to know about the opportunities in Radio and your practical method of teaching at home with six big outfits of Radio parts. This request does not obligate me to enroll.

Name ..... Age.....  
Address .....  
City ..... State.....