

# RADIO TRAVEL-LOG

PRICE 15¢



## Lunningham Radio Tubes

STANDARD SINCE 1915

World Radio History



**MAKE THESE  
STARS SHINE**

# Brighter



**BENNY  
GOODMAN**

## WITH **Cunningham** RADIO TUBES

Hour after hour... day and night... all year long... the air is filled with stars who entertain you. News broadcasts keep you abreast of a swiftly moving world... sportscasts bring you the tingling thrill of competition afield.

Yet none of these broadcasts can give you full satisfaction unless you hear them properly. That's where your radio tubes are important. For tubes are the heart of your radio. So, insure complete radio enjoyment, by changing them at least once a year—and choose Cunningham Radio Tubes. Low in price, they assure the best in radio reception because they're built to precision standards in the world's greatest radio tube factory!



**LILY  
TONS**



**TOMMY  
DORSEY**



**GLADYS  
SWARTHOUT**



**HAL  
KEMP**



If your radio is not operating properly, see back cover for reliable radio service dealer.



# Cunningham Radio Tubes

**STANDARD SINCE 1915**

A Product of the RCA Manufacturing Co., Inc., Camden, New Jersey  
World Radio History



# How to ENJOY YOUR RADIO

## PROPER TUNING

Modern radios are packed with features and refinements that add immeasurably to radio enjoyment. Yet, no amount of radio improvements can increase this enjoyment unless these improvements are used—and used properly. Even older radios are seldom operated to bring out the fine performance which they are capable of giving. So, in justice to yourself and the fine radio programs now being transmitted, ask yourself this question: "Am I getting as much enjoyment from my radio as possible?"

Proper radio operation resolves itself into a matter of proper tuning. Yes, it's as simple as that. But you would be surprised how few people really know how to tune a radio. In Figure 1, the dial pointer is shown in the middle of a shaded area. A certain station can be heard when the pointer covers any part of this shaded area, but it can only be heard enjoyably—clearly and without distortion—when the pointer is at dead center, midway between the point where the program first becomes audible and the point where it fades out.

Most modern radio sets are equipped with a tuning eye indicator, better known as the "Magic Eye," which tells visually the exact position of the ideal tuning point. If your radio is not equipped with a tuning eye indicator, you must depend upon deftness of touch as well as your sense of hearing. However, in order to ascertain the ideal tuning point, one thing should be remembered—never reduce volume by de-tuning—that is, by shifting the dial pointer to the right or left of the ideal tuning point. Use the volume control.



*RCA Building, Radio City, New York.  
Home of National Broadcasting Company.*

The task of locating unknown stations is considerably facilitated once you have jotted down a number of dial settings. These settings may then be used as reference points in determining the relative position of the pointer for unknown stations.

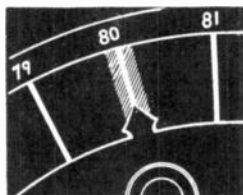


Fig. 1. Tune correctly—it will repay you in increased radio enjoyment.

Fig. 2. (right). A modern radio dial showing the various bands over which are transmitted short wave programs, aviation and police calls.

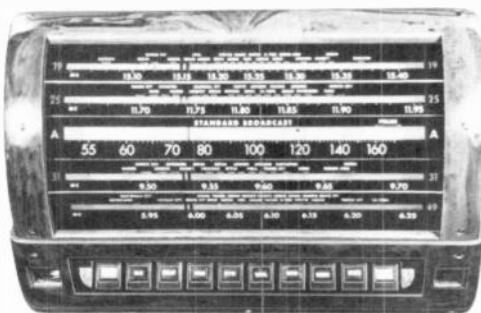


Fig. 3. Above is shown a tuning eye indicator or "Magic Eye" which facilitates in the proper tuning of not only domestic broadcasting stations but short-wave stations as well.

# ROUND THE WORLD *Cruise*

Most of us have long cherished the desire to visit foreign lands . . . to breathe the clear pure mountain air of the Tyrolean Alps . . . to rub elbows with hooded natives in the crowded streets of Cairo . . . to sniff the pungent odors of a teeming Mexican marketplace . . . or to thrill at the weird Zulu tribal ceremonies in South Africa.

To many of us these experiences may be just idle dreams. But while we're waiting for these dreams to come true . . . let's try a substitute—a substitute that will boost our imaginations to the point where these dreams will seem like actual realities. "What," you may ask, "is this substitute?" Frankly . . . the answer is—*short-wave radio*.

Sounds a little far-fetched . . . doesn't it? Well, let's try it out, anyway.

First . . . let's switch on the radio. Now dial slowly through the 25-meter band. Ah! . . . Wait . . . there's something. Chimes of a French clock. Yes, it must be. "Ici, Paree, Radio Coloniale." Paris, sure enough! Perhaps an opera . . . or a comedienne singing a funny song (better brush up on your French) . . . or world-stirring news that envelops history in the making.

Turn the dial again . . . slowly . . . more music? Yes, a pulsating dance rhythm that

could only have been invented by the warm-blooded, love-making Latins. Might be one of several stations . . . Mexico City, Lima, or Havana . . . here is the announcement . . . "Egree - ey - gah — vay - seenkaw - eeray - say (YV5RC) . . . Caracas . . . Venezuela."

Is it getting in your blood? Okay . . . let's try a hard one . . . but not now. Tomorrow morning, early. Australia, half way around the world! You tried it once, and didn't get it? Too bad, but that's part of the game. Let's try again. Dial slowly . . . 9.59 megacycles. There's something! Volume up . . . Jehoshaphat, what a screech! It's VK2ME, Sydney and the Kookaburra bird!

Tired of the regular broadcasts? Then . . . let's switch to an amateur phone band. Sometimes these amateurs put on a real show. Here's one, pretty powerful . . . 28.5 megacycles. What's he saying? "Concepción, Chile . . . EARTHQUAKE . . . thousands dead and injured . . . tragedy! Help needed immediately . . . all other lines of communication disrupted." Yes, a tragedy the world can never forget . . . and you are one of the first to hear of it.



*The contrast in architectural structure is great between the ancient mosques of Cairo, Egypt (above) and the Cathedral of St. Veit in Prague (right), but both are equally as interesting on your world cruise via Short-Wave.*



# VIA SHORT-WAVE *Radio*



*The beautiful Canary Islands is another quaint and picturesque stop on your "Short-Wave" journey.*

But . . . here's another, very faint. Tune him closer. There, that's better. Spanish accent, I would say. Yes, hear that? Dominican Republic! And he's asking the name of the man he is talking to in Portland, Maine. He's got the last name, Jones. But the first name . . . he wants it spelled out. He's repeating after him . . . "B-i-l-l. Two 'l's'. Oh, Beel."

But, our time is up, and we haven't even touched on aviation . . . "Flight 69 calling



*Even the majestic Eiffel Tower in Paris cannot encompass the horizon of the Short-Wave band on your radio.*



*From the tepid banks of the Nile to the frozen wilderness of Siberia—all of this is your playground via Short-Wave.*

Newark . . . Flight 69 calling Newark . . . acknowledge," a slight pause, "OK Flight 69 . . . this is Newark . . . Newark calling Flight 69 . . . ceiling unlimited . . . visibility 30 miles . . . acknowledge Flight 69 . . . Newark;" . . . or Police . . . "calling all cars . . . calling all cars . . . holdup at Bainbridge National Bank . . . Broad and Fourth Streets . . . calling all cars." Yes . . . here is something that will give you a real thrill.

Now that you've tried it, a substitute for a world cruise by short-wave radio doesn't sound so far-fetched . . . does it?



*The rugged beauty of the town of Durstein on the banks of the Danube is only one of the many Short-Wave "stop-overs" on your world cruise.*

# What Every SHORT-WAVE

A complete discussion of short waves would run, easily, to hundreds of thousands of words—and highly technical words at that. However, this general outline will enable you to understand the basic principles:

Assume that radio waves are like ocean waves. The *wave length* is the distance from crest to crest. The *frequency* is the number of waves that pass a given point in one second. Wave length is measured in meters. Frequency is expressed in kilocycles or megacycles. A kilocycle is 1000 cycles or 1000 complete radio waves, and a megacycle is 1000 kilocycles. In connection with short waves the term megacycle is used to facilitate reading the dial, since short-wave frequencies run to thousands of kilocycles. For example, 49.7 megacycles is much easier to read than 49,700 kilocycles.

## METERS-KILOCYCLES-MEGACYCLES-FREQUENCY - WAVE LENGTH



DIAGRAM 1—Radio waves are comparable to ocean waves. Wave length is the distance from crest to crest (in meters); frequency, the number of waves or cycles transmitted per second (in kilocycles or megacycles).

*Note:* The higher the frequency the shorter the radio wave. This will be apparent by considering Diagram 1. If more waves pass the flagpole in one second, they must be “smaller” waves—that is, shorter from crest to crest.

## FREQUENCY CONVERSION

Short-wave stations are usually listed by meters, kilocycles, and megacycles. As mentioned above, 1000 kilocycles is equivalent to one megacycle.

To convert kilocycles into meters, simply divide 300,000 by the number of kilocycles. Thus station WJZ which broadcasts on a frequency of 760 kilocycles, transmits a wave length of  $300,000 \div 760$ , or 394.7 meters long. GSG in London, a short-wave station broadcasting on a frequency of 17.79 megacycles, transmits a wave length of  $300,000 \div 17,790$  or only 16.8 meters long.

Two types of radio waves leave the transmitting station—the *ground wave* and the *sky wave*. (See Diagram 2.)

## HOW SHORT WAVES TRAVEL

The ground wave travels over the ground for a distance of only 15 to 75 miles.

The sky wave travels skyward for a distance of approximately 100 miles until it strikes an ionized atmospheric stratum known as the Kennelly-Heaviside Layer. This may be imagined as a sort of spherical mirror encompassing the earth much as an egg shell encompasses the yolk. When the sky wave meets this layer, it is reflected and returns to the earth at a distance of 90 to 2500 miles from the station at which point it may be picked-up over a considerable area, depending upon the angle of reflection from the layer.

According to the most generally accepted theory, sky waves oscillate several times between the Kennelly-Heaviside Layer and the earth.

## SKIP DISTANCE

The *Skip Distance* of a station is an area that is not covered by either that station’s “ground wave” or “sky wave.”

Skip distances and reception zones of all stations change with the varying altitude of the Kennelly-Heaviside Layer, which height is affected by daylight, darkness, season of the year and atmospheric conditions.

Thus, in Diagram 2, house A cannot receive the sky wave illustrated while house B can. Diagram 3, however, illustrates how variation in altitude of the layer will bring the sky wave within the reach of house A, but not of house B. This explains why you may receive a certain short-wave station at one time and be unable to receive it another time.

It should be remembered that all stations have different skip distance zones and that, though you may be within the “skip-distance” of a few stations, there will still be many stations you can receive.

## KENNELLY-HEAVISIDE LAYER — GROUND WAVES—SKY WAVES

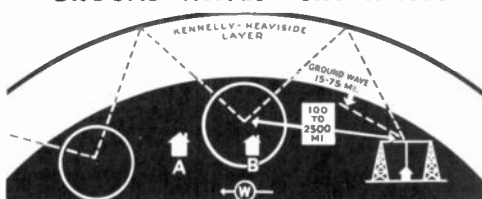


DIAGRAM 2—Short waves are reflected to the earth by the Kennelly-Heaviside Layer, situated 75-100 miles above the earth.



# LISTENER *Should Know*

*Note:* Diagrams 2 and 3 show only the westward course of a ground wave and sky wave. Both waves, however, radiate from the antenna in all directions, acting as illustrated by the east-to-west wave.

## THE BEHAVIOR OF SHORT WAVES

The distances radio waves travel are affected by daylight, darkness and by the season of the year. The table at the bottom of this page estimates the distances over which you may receive short-wave programs.

## DIRECTION OF SHORT WAVES—EFFECT OF SKIP DISTANCES

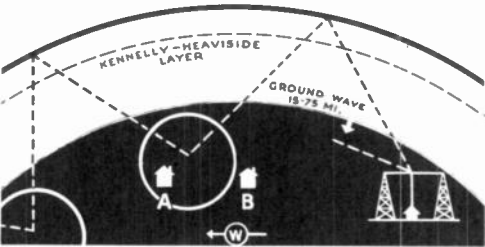


DIAGRAM 3—Reception zones vary with the height of the layer which in turn varies with daylight, darkness, seasons and atmospheric conditions.

Note that the longer short waves travel best through darkness and the ultra short waves travel best through daylight. For example, a 49-meter wave can be heard well at night over an unlimited distance; but during the daytime it can be heard only from 100 to 200 miles away.

16-meter waves, on the other hand, may be heard thousands of miles during the day, but not more than 15 miles at night.

Therefore consult this chart to make sure the waves of the station you wish to tune in can reach you.

## STATIC ON SHORT WAVES—IMPORTANCE OF ANTENNA

A thunder storm which will often mar standard reception, will have little or no effect on short-

wave reception. On the other hand, man-made static, which has little or no effect on standard reception, is likely to mar listening-in on short waves.

## MAN-MADE STATIC

*Man-made Static* is created by trolley lines, electric elevators, vacuum cleaners, etc., and even though you may be some distance from them, their disturbance may be carried to your home by means of power or telephone lines.

Therefore in order to minimize or eliminate man-made static from their sources, the installation of a world-wide antenna in your radio is recommended. A virtue of the world-wide antenna is that it is equally efficient over a wide span of short waves as well as over the standard broadcast band—a real boon to short-wave reception.

Consult your RCA Tube Dealer or Serviceman for installation of a world-wide antenna—they know how to install one for maximum efficiency.

## SCHEDULES OF SHORT-WAVE STATIONS

Many foreign stations are on the air only a few hours a day, and only a few days a week. Many of them go on and off the air several times during one day. The log on pages 7 and 8 contain foreign station schedules according to latest information. They are subject to change, however, and you should supplement this log with short-wave information you will find in your daily newspaper or radio periodical.

## SCHEDULES OF STANDARD BROADCAST STATIONS

In this booklet are listed Standard Broadcasting Stations of the United States by kilocycles, call letters, and by cities and states. In addition, there are listings of both Short-Wave and Standard Broadcasting Stations of Canada and Mexico. You can readily determine the location, call letters or kilocycles of any of these stations by using this cross indexing.

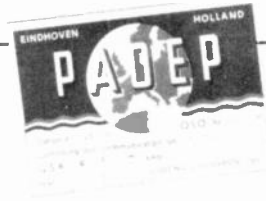
## APPROXIMATE EFFECT OF TIME OF DAY AND SEASON OF YEAR ON SHORT-WAVE TRANSMISSION

| Wave Length<br>(meters) | Ground Wave<br>Range | Sky Wave (Summer) |          | Reliable Range |          | Sky Wave (Winter) |          | Reliable Range |         |
|-------------------------|----------------------|-------------------|----------|----------------|----------|-------------------|----------|----------------|---------|
|                         |                      | Noon              |          | Midnight       |          | Noon              |          | Midnight       |         |
|                         |                      | Miles             | Miles    | Miles          | Miles    | Miles             | Miles    | Miles          | Miles   |
| 100                     | 90                   | 90                | 90       | 90—600         | 90—600   | 90—100            | 90—100   | 90—2500        | 90—2500 |
| 49                      | 75                   | 100—200           | 100—200  | 250—5000       | 250—5000 | 200—600           | 200—600  | 400—*          | 400—*   |
| 31                      | 60                   | 200—700           | 200—700  | 1000—*         | 1000—*   | 500—2000          | 500—2000 | 1500—*         | 1500—*  |
| 25                      | 50                   | 300—1000          | 300—1000 | 1500—*         | 1500—*   | 600—3000          | 600—3000 | 2000—*         | 2000—*  |
| 19                      | 35                   | 400—2000          | 400—2000 | 2500—*         | 2500—*   | 900—4000          | 900—4000 | X              | X       |
| 16                      | 15                   | 700—4000          | 700—4000 | X              | X        | 1500—*            | 1500—*   | X              | X       |

\*—Unlimited distance.

X—Ordinarily cannot be heard.

**NOTE:** Time and season apply to transmitting station. The above table applies to transmitters of relatively high power and to receivers operating under favorable conditions.



## HOW TO DIAL FOREIGN STATIONS

Most short-wave broadcasting is done on special wave bands set aside for that purpose by international convention. The 16-meter band gives the best results in the early morning hours; the 19-meter band and the 25-meter band are best during daylight; the 31-meter band reaches a maximum during twilight; and the 49-meter band is excellent at night.

The signal received by your antenna from a far-distant short-wave station may be hundreds of times weaker than that emitting from a local broadcasting station. You should, therefore, adjust your receiver for maximum sensitivity and maximum selectivity when you start tuning in.

When tuning for a particular foreign station which you have not already located, look up the station in the listing of short-wave stations on pages 7 and 8 and determine whether or not it is operating at the time and if so, on what frequency (megacycles). When you have located the frequency, turn the tuning knob slowly and evenly—not in jerks.

Should you be interested in verifying the reception of foreign short-wave broadcast stations, write to the station telling what you heard, when you heard it and how it was received. Most stations will send you an attractive verification card that you may keep as a memento.



### WHERE TO FIND WHAT YOU WANT ON YOUR DIAL

|                                        |                                                          |
|----------------------------------------|----------------------------------------------------------|
| FOREIGN S-W PROGRAMS . . . . .         | 49, 31, 25, 19, 16, 13, and 11-meter bands               |
| STANDARD U. S. BROADCASTS . . . . .    | 540-1600 kcs.                                            |
| POLICE CALLS . . . . .                 | 1600-1720 kcs., 2.3-2.5 meg., 30-41 meg.                 |
| AIRCRAFT CALLS . . . . .               | 2.7-3.5 meg. and 5.4-5.9 meg.                            |
| AMATEUR PHONE . . . . .                | 1.8-2.0 & 3.9-4.0 meg., 14-14.4 meg., 28-30 & 56-60 meg. |
| U. S. AVIATION WEATHER REPORTS . . . . | 220-360 kcs.                                             |

Note: Dial scales or portions thereof are usually labeled "Standard Broadcast," "Police," "Aviation," etc., as well as calibrated numerically.



# Principal SHORT-WAVE STATIONS

| AM- <sup>A</sup> | PM- <sup>v</sup> | Both- <sup>o</sup> | EDST         | 1  | 2  | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|------------------|------------------|--------------------|--------------|----|----|----|----|---|---|---|---|---|----|----|----|
|                  |                  |                    | Eastern (CD) | 12 | 1  | 2  | 3  | 4 | 5 | 6 | 7 | 8 | 9  | 10 | 11 |
|                  |                  |                    | Central      | 11 | 12 | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8  | 9  | 10 |
|                  |                  |                    | Mountain     | 10 | 11 | 12 | 1  | 2 | 3 | 4 | 5 | 6 | 7  | 8  | 9  |
| Leg              | Cell             | Place              | Pacific      | 9  | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6  | 7  | 8  |

NOTES

| Meg. | Call   | Place                | Pacific   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Notes |
|------|--------|----------------------|-----------|---|---|---|---|---|---|---|---|---|----|----|----|-------|
| 4.11 | HCJB   | Quito, Ecuador       | ex. Mon.  | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 4.76 | HJ2ABJ | Santa Marta, Col.    | ex.Su.    |   |   |   |   |   |   | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 4.78 | HJ1ABB | Barranquilla, Col.   | ex.Su.    |   |   |   |   |   |   | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 4.80 | HJ1ABE | Cartagena, Col.      | Daily     |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 4.82 | HJ7ABB | Bucaramanga, Col.    | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 4.84 | HJ3ABD | Bogota, Col.         | Daily     | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 4.88 | HJ4ABP | Medellin, Col.       | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 4.90 | HJ3ABH | Bogota, Col.         | Daily     |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 5.80 | YV5RC  | Caracas, Venez.      | Daily     |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 5.83 | TIGPH  | San Jose, C. R.      | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 5.85 | YV1RB  | Maracaibo, Ven.      | ex.Su.    |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 5.85 | HI1J   | San Pedro, D. R.     | Daily     |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 5.86 | YV4RH  | Valencia, Ven.       | ex.Su.    |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 5.87 | HRN    | Tegucigalpa, Hon.    | Daily     |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 5.88 | HI9B   | Santiago, D. R.      | ex.Su.    |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 5.90 | T1LS   | San Jose, R. D.      | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 5.90 | YV3RA  | Barquisimeto, Ven.   | ex.Su.    |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 5.93 | HH2S   | Port-au-Pr., Haiti   | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 5.93 | YV1RL  | Maracaibo, Ven.      | ex.Su.    |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 5.94 | TG2X   | Guatemala City       | M.W.Sa.   |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.00 | HP5K   | Colon, Panama        | Daily     |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.01 | HJ3ABX | Bogota, Col.         | Daily     |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.02 | DJC    | Berlin, Ger.         | Daily     | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.03 | HP5B   | Panama City          | Daily     |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.04 | HJ1ABG | Barranquilla, Col.   | Daily     | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.05 | HJ6ABA | Pereira, Col.        | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.05 | GSA    | London, Eng.         | Daily     |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.07 | OAX4Z  | Lima, Peru           | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.11 | HJ6ABB | Manizales, Col.      | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.11 | GSL    | London, Eng.         | Daily     |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.15 | HJ4ABE | Medellin, Col.       | Daily     |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.15 | HI5N   | Moca City, R. D.     | ex.Su.    |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.15 | YV5RD  | Caracas, Ven.        | Daily     |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.21 | TG2    | Guatemala City       | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.22 | YV1RG  | Valera, Venez.       | Daily     |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.24 | HRD    | LaCeiba, Honduras    | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.24 | H1N    | Trujillo, R. D.      | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.25 | YV5RJ  | Caracas, Ven.        | ex.Su.    |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.27 | YV5RP  | Caracas, Ven.        | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.29 | H1G    | Trujillo City, R.D.  | ex.Su.    |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.30 | YV4RD  | Maracay, Venez.      | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.31 | HI2    | Trujillo, R. D.      | ex.Su.    | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.34 | HI1X   | Trujillo, R. D.      | Tu.&Fr.   |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.36 | YV1RH  | Maracaibo, Ven.      | ex.Su.    |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.38 | YV5RF  | Caracas, Ven.        | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.40 | YV5RH  | Caracas, Venez.      | ex.Su.    |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.40 | TGQA   | Quezaltenango, Guat. | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.41 | T1PG   | San Jose, C. R.      | Daily     |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.42 | YV6RC  | Bolivar, Venez.      | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.47 | YV3RD  | Barquisimeto, Ven.   | Daily     |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.50 | H1L    | Trujillo City, R. D. | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.52 | YV4RB  | Valencia, Venez.     | Daily     |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.55 | YV6RB  | Bolivar, Venez.      | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.63 | H1T    | Trujillo, R. D.      | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.63 | HC2RL  | Guayaquil, Ec.       | Su.&Tu.   |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 6.68 | T1EP   | San Jose, C. R.      | Daily     |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 7.80 | HBP    | Geneva, Switz.       | Mon.      |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 7.89 | HC1RB  | Quito, Ecuador       | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 9.12 | HAT-4  | Budapest, Hung.      | Su.&W.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 9.23 | HC2CW  | Guayaquil, Ecu.      | ex.Su.    |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 9.34 | OAX4J  | Lima, Peru           | Daily     |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓  | ✓  | ✓  |       |
| 9.49 | EAR    | Madrid, Spain        | Su.,T.&T. |   |   |   |   |   |   |   |   |   | ✓  | ✓  | ✓  |       |
| 6.00 | XEBT   | Mexico City          |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.00 | CFCX   | Montreal, Que.       |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.01 | COCO   | Havana, Cuba         |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.02 | XEUW   | Vera Cruz, Mex.      |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.04 | W1XAL  | Boston, Mass.        |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.06 | W8XAL  | Cincinnati           |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.06 | W3XAU  | Philadelphia         |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.07 | CFRX   | Toronto, Ont.        |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.08 | W9XAA  | Chicago              |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.09 | CRCX   | Toronto, Ont.        |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.10 | W9XF   | Chicago              |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.10 | W3XAL  | Boundbr'k, N. J.     |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.13 | VE9HX  | Halifax, N. S.       |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.13 | COCD   | Havana, Cuba         |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.14 | W8XK   | Pittsburgh           |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.15 | CJRO   | Winnipeg, Man.       |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.17 | XEXA   | Mexico City          |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.28 | COHB   | Sancti-Spiritus, Cub |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 6.34 | COCW   | Havana, Cuba         |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 7.38 | XECR   | Mexico City          |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 8.66 | COJK   | Camaguey, Cuba       |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 8.96 | COKG   | Santiago, Cuba       |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 9.00 | COBZ   | Havana, Cuba         |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 9.43 | COCH   | Havana, Cuba         |           |   |   |   |   |   |   |   |   |   |    |    |    |       |
| 9.50 | XEWV   | Mexico City          |           |   |   |   |   |   |   |   |   |   |    |    |    |       |

Rule out FOUR rows of hour figures, leaving only those for YOUR Time Zone. Then, you'll know when to tune for desired stations. Conversely, by comparing your dial number with data herein, you can often identify those heard by chance. Megacycle numbers are purposely irregular in appearance, with three, two, one or no digits darker to denote the degree of signal strength experienced by the majority of listeners in America. "Local" Stations, which operate almost continuously, are listed at the extreme right. "A," "S," and "C" at the left indicate spots used by Amateurs, Ships and Aircraft.

# PRINCIPAL SHORT-WAVE STATIONS

| AM- <sup>4</sup> | PM- <sup>7</sup> | Both- <sup>4</sup> | EDST         | 1  | 2  | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1  |
|------------------|------------------|--------------------|--------------|----|----|----|----|---|---|---|---|---|----|----|----|----|
|                  |                  |                    | Eastern (CD) | 12 | 1  | 2  | 3  | 4 | 5 | 6 | 7 | 8 | 9  | 10 | 11 | 12 |
|                  |                  |                    | Central      | 11 | 12 | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8  | 9  | 10 | 11 |
|                  |                  |                    | Mountain     | 10 | 11 | 12 | 1  | 2 | 3 | 4 | 5 | 6 | 7  | 8  | 9  | 10 |
|                  |                  |                    | Pacific      | 9  | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6  | 7  | 8  | 9  |

## NOTES

| Meg.  | Call           | Place                  | ex.Su.     | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 |
|-------|----------------|------------------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|---|
| 9.51  | VK3ME          | Melbourne, Aus.        | ex.Su.     |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.51  | HJU            | Buenaventura, Col.     | M.W.&F.    |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.51  | GSB            | London, Eng.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.52  | HJ6ABH         | Armenia, Col.          | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.52  | ZBW-3          | HongKong, China        | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.52  | OZF            | Copenhagen, Den.       | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.53  | LKC            | Oslo, Norway           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.54  | DJN            | Berlin, Ger.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.55  | OLR3A          | Prague, Czech.         | M.T.T.&F.  |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.56  | DJA            | Berlin, Ger.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.57  | KZRM           | Manila, P. I.          | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.58  | VLR            | Melbourne, Aus.        | ex.Su.     |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.58  | GSC            | London, Eng.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.59  | PCJ            | Eindhoven, Holland     | Irr.       |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.60  | RAN            | Moscow, USSR.          | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.60  | HP5J           | Panama City            | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.62  | HJ1ABP         | Cartagena, Col.        | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.62  | ZRK            | Johannesburg, S. Af.   | ex.Sa.     |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.63  | HJ7ABD         | Bucaramanga, Col.      | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.63  | I2RO3          | Rome, Italy            | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.64  | HH3W           | Port-au-Pr., Haiti     | ex.Su.     |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.65  | CS2WA          | Lisbon, Port.          | T.T.&Sa.   |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.66  | LRX            | Buenos Aires, Arg.     | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.67  | T14-NRH        | Heredia, CR.           | Tu.Th.&Sa. |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.68  | TGWA           | Guatemala City         | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.68  | VK2ME          | Sydney, Aus.           | Sun.       |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.70  | Fort de Fracne | Martinique             | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.83  | IRF            | Rome, Italy            | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.86  | EAQ            | Madrid, Spain          | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.93  | JDY            | Darien, Manchukuo      | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.95  | CSW            | Lisbon, Port.          | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 9.95  | TPB 11         | Paris, France          | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 10.22 | PSH            | Rio de Janeiro, Brazil | ex.Su.     |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 10.37 | EAJ-43         | Santa Cruz, Can. Is.   | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.00 | PLP            | Bandoeng, Java         | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.04 | CSW            | Lisbon, Port.          | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.53 | SPD            | Warsaw, Poland         | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.70 | HP5A           | Panama City            | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.71 | TPA4           | Paris, France          | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.75 | GSD            | London, Eng.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.77 | DJD            | Berlin, Ger.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.80 | OER3           | Vienna, Ger.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.80 | JZJ            | Tokyo, Japan           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.81 | 2RO            | Rome, Italy            | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.84 | OLR4A          | Prague, Czech.         | M.T.T.&F.  |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.85 | DJP            | Berlin, Germany        | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.86 | GSE            | London, Eng.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.88 | TPB 7          | Paris, France          | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 11.91 | CD1190         | Valdivia, Chile        | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 12.00 | RNE            | Moscow, USSR.          | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 13.63 | SPW            | Warsaw, Pol.           | ex.Sa.     |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 15.11 | DJL            | Berlin, Ger.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 15.14 | GSF            | London, Eng.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 15.15 | YDC            | Sourabaya, Java        | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 15.18 | GSO            | London, Eng.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 15.19 | OFB            | Lahte, Finland         | ex.Su.     |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 15.20 | DJB            | Berlin, Ger.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 15.24 | TPA 2          | Paris, France          | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 15.28 | DJQ            | Berlin, Ger.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 15.34 | DJR            | Berlin, Ger.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 15.37 | HAS 3          | Budapest, Hung.        | Sun.       |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 17.76 | DJE            | Berlin, Ger.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 17.77 | PH12           | Huisen, Hol.           | Mo. to Fr. |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 17.79 | GSJ            | London, Eng.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 21.47 | GSH            | London, Eng.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |
| 21.53 | GSJ            | London, Eng.           | Daily      |   |   |   |   |   |   |   |   |   |    |    |    |   |

9.53 XEDQ. Guadalajara, Mex.

9.53 W2XAF Schenectady

9.55 XEFT Vera Cruz, Mex.

9.57 W1XK Springfield, Mass.

9.59 W3XAU Philadelphia

9.59 W2XE New York, N. Y.

9.67 W3XAL Boundbr'k, N. J.

9.68 COCQ Havana, Cuba

9.84 COCM Havana, Cuba

9.96 COCB Havana, Cuba

11.72 CJRX Winnipeg, Man.

11.74 COCX Havana, Cuba

11.79 W1XAL Boston, Mass.

11.80 COGF Matanzas, Cuba

11.83 W9XAA Chicago, Ill.

11.83 W2XE New York City

11.87 W8XK Pittsburgh, Pa.

11.89 XEWI Mexico City

15.16 XEWW Mexico City

15.21 W8XK Pittsburgh, Pa.

15.25 W1XAL Boston, Mass.

15.27 W2XE New York City

15.33 W2XAD Schenectady

17.76 W2XE New York

17.78 W3XL Boundbr'k, N. J.

21.52 W2XE New York City

21.54 W8XK Pittsburgh, Pa.

## BY STATES AND CITIES

|              |      |      |
|--------------|------|------|
| Anderson     | WHBU | 1210 |
| Elkhart      | WTRC | 1310 |
| Evansville   | WEOA | 1310 |
| Evansville   | WGFB | 630  |
| Fort Wayne   | WGL  | 1370 |
| Fort Wayne   | WOWO | 1160 |
| Gary         | WIND | 560  |
| Hammond      | WHIP | 1480 |
| Hammond      | WWAE | 1200 |
| Indianapolis | WFBN | 1230 |
| Indianapolis | WIBC | 1050 |
| Indianapolis | WIRE | 1400 |



# U. S. BROADCASTING STATIONS BY STATES AND CITIES (Cont.)

| City           | Call Letters | Freq'cy in Kcs. |
|----------------|--------------|-----------------|
| Muncie         | WLBC         | 1310            |
| New Albany     | WGRC         | 1370            |
| Richmond       | WKBV         | 1500            |
| South Bend     | WFAM         | 1200            |
| South Bend     | WSBT         | 1360            |
| Terre Haute    | WBOW         | 1310            |
| West Lafayette | WBAA         | 890             |

## IOWA

|              |      |      |
|--------------|------|------|
| Ames         | WOI  | 640  |
| Boone        | KFGQ | 1370 |
| Cedar Rapids | WMT  | 600  |
| Davenport    | WOC  | 1370 |
| Decorah      | KGCA | 1270 |
| Decorah      | KWLC | 1270 |
| Des Moines   | KRNT | 1320 |
| Des Moines   | KSO  | 1430 |
| Des Moines   | WHO  | 1000 |
| Dubuque      | KDTH | 1340 |
| Dubuque      | WKBB | 1500 |
| Iowa City    | WSUI | 880  |
| Marshalltown | KFJB | 1200 |
| Mason City   | KGLO | 1210 |
| Shenandoah   | KFNF | 890  |
| Shenandoah   | KMA  | 930  |
| Sioux City   | KSCJ | 1330 |
| Sioux City   | KTRI | 1420 |

## KANSAS

|             |      |      |
|-------------|------|------|
| Abilene     | KFBI | 1050 |
| Atchison    | KVAK | 1420 |
| Coffeyville | KGGF | 1010 |
| Dodge City  | KGNO | 1340 |
| Emporia     | KTSW | 1370 |
| Garden City | KIUL | 1210 |
| Great Bend  | KVGB | 1370 |
| Hutchinson  | KWBG | 1420 |
| Kansas City | KCKN | 1310 |
| Lawrence    | KFKU | 1220 |
| Lawrence    | WREN | 1220 |
| Manhattan   | KSAC | 580  |
| Pittsburg   | KOAM | 790  |
| Salina      | KSAL | 1500 |
| Topeka      | WIBW | 580  |
| Wichita     | KANS | 1210 |
| Wichita     | KFH  | 1300 |

## KENTUCKY

|            |      |      |
|------------|------|------|
| Ashland    | WCMI | 1310 |
| Covington  | WCKY | 1490 |
| Lexington  | WLAP | 1420 |
| Louisville | WAVE | 940  |
| Louisville | WGRC | 1370 |
| Louisville | WHAS | 820  |
| Owensboro  | WOMI | 1500 |
| Paducah    | WPAD | 1420 |

## LOUISIANA

|              |      |      |
|--------------|------|------|
| Alexandria   | KALB | 1210 |
| Baton Rouge  | WJBO | 1120 |
| Lafayette    | KVOL | 1310 |
| Lake Charles | KPLC | 1500 |
| Monroe       | KMLB | 1200 |
| New Orleans  | WBNO | 1420 |
| New Orleans  | WDSU | 1250 |
| New Orleans  | WJBW | 1200 |
| New Orleans  | WSMB | 1320 |
| New Orleans  | WWL  | 850  |
| Shreveport   | KRMD | 1310 |
| Shreveport   | KTBS | 1450 |
| Shreveport   | KWKH | 1100 |

## MAINE

|              |      |      |
|--------------|------|------|
| Augusta      | WRDO | 1370 |
| Bangor       | WABI | 1200 |
| Bangor       | WLBS | 620  |
| Lewiston     | WCOU | 1210 |
| Portland     | WCBS | 940  |
| Portland     | WGAN | 640  |
| Presque Isle | WAGM | 1420 |

| City            | Call Letters | Freq'cy in Kcs. |
|-----------------|--------------|-----------------|
| <b>MARYLAND</b> |              |                 |
| Baltimore       | WBAL         | 1060            |
| Baltimore       | WCAO         | 600             |
| Baltimore       | WCBM         | 1370            |
| Baltimore       | WFBR         | 1270            |
| Cumberland      | WTBO         | 800             |
| Frederick       | WFMD         | 900             |
| Hagerstown      | WJEJ         | 1210            |
| Salisbury       | WSAL         | 1200            |

## MASSACHUSETTS

|             |      |      |
|-------------|------|------|
| Boston      | WAAB | 1410 |
| Boston      | WBZ  | 990  |
| Boston      | WCOP | 1120 |
| Boston      | WEEI | 590  |
| Boston      | WHDH | 830  |
| Boston      | WMEX | 1500 |
| Boston      | WNAC | 1230 |
| Boston      | WORL | 920  |
| Fall River  | WSAR | 1450 |
| Greenfield  | WHA1 | 1210 |
| Lawrence    | WLAW | 680  |
| Lowell      | WLLH | 1370 |
| New Bedford | WNBH | 1310 |
| Osterville  | WOCB | 1210 |
| Pittsfield  | WBRK | 1310 |
| Springfield | WBZA | 990  |
| Springfield | WMAS | 1420 |
| Springfield | WSPR | 1140 |
| Worcester   | WORC | 1280 |
| Worcester   | WTAG | 580  |

## MICHIGAN

|              |      |      |
|--------------|------|------|
| Battle Creek | WELL | 1420 |
| Bay City     | WBCM | 1410 |
| Calumet      | WHDF | 1370 |
| Detroit      | CKLW | 1030 |
| Detroit      | WJBK | 1500 |
| Detroit      | WJR  | 750  |
| Detroit      | WMBC | 1420 |
| Detroit      | WWJ  | 920  |
| Detroit      | WXYZ | 1240 |
| East Lansing | WKAR | 850  |
| Flint        | WFDF | 1310 |
| Grand Rapids | WOOD | 1270 |
| Grand Rapids | WASH | 1270 |
| Ironwood     | WJMS | 1420 |
| Jackson      | WIBM | 1370 |
| Kalamazoo    | WKZO | 590  |
| Lansing      | WJIM | 1210 |
| Lapeer       | WMPC | 1200 |
| Marquette    | WBEO | 1310 |
| Muskegon     | WKBZ | 1500 |
| Port Huron   | WHLS | 1370 |
| Royal Oak    | WEXL | 1310 |

## MINNESOTA

|                      |      |      |
|----------------------|------|------|
| Albert Lea           | KATE | 1420 |
| Duluth               | KDAL | 1500 |
| Duluth               | WEBC | 1290 |
| Fergus Falls         | KGDE | 1200 |
| Hibbing              | WMFG | 1210 |
| Mankato              | KYSM | 1500 |
| Minneapolis-St. Paul | KSTP | 1460 |
| Minneapolis-St. Paul | WCCO | 810  |
| Minneapolis-St. Paul | WDGY | 1180 |
| Minneapolis-St. Paul | WLB  | 760  |
| Minneapolis-St. Paul | WMIN | 1370 |
| Minneapolis-St. Paul | WTCN | 1250 |
| Moorhead             | KVOX | 1310 |
| Northfield           | WCAL | 760  |
| Rochester            | KROC | 1310 |
| St. Cloud            | KFAM | 1420 |
| Virginia             | WHLB | 1370 |
| Winona               | KWNO | 1200 |

| City               | Call Letters | Freq'cy in Kcs. |
|--------------------|--------------|-----------------|
| <b>MISSISSIPPI</b> |              |                 |
| Grenada            | WGRM         | 1210            |
| Gulfport           | WGCM         | 1210            |
| Hattiesburg        | WFOR         | 1370            |
| Jackson            | WJDX         | 1270            |
| Jackson            | WSLI         | 1420            |
| Laurel             | WAML         | 1310            |
| Meridian           | WCOC         | 880             |
| Vicksburg          | WQBC         | 1360            |

## MISSOURI

|                |      |      |
|----------------|------|------|
| Cape Girardeau | KFRU | 1210 |
| Columbia       | KFRU | 630  |
| Jefferson City | KWOS | 1310 |
| Joplin         | WMBH | 1420 |
| Kansas City    | KCMO | 1370 |
| Kansas City    | KITE | 1530 |
| Kansas City    | KMBC | 950  |
| Kansas City    | WDAF | 610  |
| Kansas City    | WHB  | 860  |
| Kansas City    | WREN | 1220 |
| Poplar Bluff   | KWOC | 1310 |
| St. Joseph     | KFEQ | 680  |
| St. Louis      | KFUD | 550  |
| St. Louis      | KMOX | 1090 |
| St. Louis      | KSD  | 550  |
| St. Louis      | KWK  | 1350 |
| St. Louis      | KXOK | 1250 |
| St. Louis      | WEW  | 760  |
| St. Louis      | WIL  | 1200 |
| St. Louis      | WTMV | 1500 |
| Springfield    | KGBX | 1230 |
| Springfield    | KWTO | 560  |

## MONTANA

|             |      |      |
|-------------|------|------|
| Billings    | KGHL | 780  |
| Bozeman     | KBRM | 1420 |
| Butte       | KGIR | 1340 |
| Great Falls | KFBB | 1280 |
| Helena      | KPFA | 1210 |
| Kalispell   | KGEZ | 1310 |
| Missoula    | KGVO | 1260 |
| Wolf Point  | KGCX | 1450 |

## NEBRASKA

|              |      |      |
|--------------|------|------|
| Clay Center  | KMMJ | 740  |
| Kearney      | KGFV | 1310 |
| Lincoln      | KFAB | 770  |
| Lincoln      | KFOR | 1210 |
| Norfolk      | WJAG | 1060 |
| North Platte | KGNF | 1430 |
| Omaha        | KOIL | 1260 |
| Omaha        | WAAW | 660  |
| Omaha        | WOW  | 590  |
| Scottsbluff  | KGKY | 1500 |

## NEVADA

|      |     |      |
|------|-----|------|
| Reno | KOH | 1380 |
|------|-----|------|

## NEW HAMPSHIRE

|            |      |      |
|------------|------|------|
| Laconia    | WLNH | 1310 |
| Manchester | WFEE | 1340 |
| Portsmouth | WHEB | 740  |

## NEW JERSEY

|               |      |      |
|---------------|------|------|
| Asbury Park   | WCAP | 1280 |
| Atlantic City | WPG  | 1100 |
| Bridgeton     | WSNJ | 1210 |
| Camden        | WCAM | 1280 |
| Jersey City   | WAAT | 940  |
| Jersey City   | WHOM | 1450 |
| Newark        | WHBI | 1250 |
| Newark        | WOR  | 710  |
| Red Bank      | WBRB | 1210 |
| Trenton       | WTNJ | 1280 |
| Zarephath     | WAWZ | 1350 |

# U. S. BROADCASTING STATIONS BY STATES AND CITIES (Cont.)

| City              | Call Letters | Freq'y in Kcs. |
|-------------------|--------------|----------------|
| <b>NEW MEXICO</b> |              |                |
| Albuquerque       | KGGM         | 1230           |
| Albuquerque       | KOB          | 1180           |
| Carlsbad          | KLAH         | 1210           |
| Clovis            | KICA         | 1370           |
| Gallup            | KAWM         | 1500           |
| Hobbs             | KWEW         | 1500           |
| Roswell           | KQFL         | 1370           |
| Santa Fe          | KRQA         | 1310           |

|                 |      |      |
|-----------------|------|------|
| <b>NEW YORK</b> |      |      |
| Albany          | WABY | 1370 |
| Albany          | WOKO | 1430 |
| Auburn          | WMBO | 1310 |
| Binghamton      | WBNF | 1500 |
| Brooklyn        | WARD | 1400 |
| Brooklyn        | WBBC | 1400 |
| Brooklyn        | WBRR | 1300 |
| Brooklyn        | WCNW | 1500 |
| Brooklyn        | WLTH | 1400 |
| Brooklyn        | WVFW | 1400 |
| Buffalo         | WFEN | 900  |
| Buffalo         | WBNY | 1370 |
| Buffalo         | WEBR | 1310 |
| Buffalo         | WGR  | 550  |
| Buffalo         | WKBW | 1480 |
| Buffalo         | WSVS | 1370 |
| Canton          | WCAD | 1220 |
| Elmira          | WENY | 1200 |
| Elmira          | WESG | 850  |
| Freeport        | WGBB | 1210 |
| Jamestown       | WJTN | 1210 |
| Newburgh        | WGNV | 1210 |
| New York City   | WABC | 860  |
| New York City   | WBIL | 1100 |
| New York City   | WBNS | 1350 |
| New York City   | WEAF | 660  |
| New York City   | WEVD | 1300 |
| New York City   | WHN  | 1010 |
| New York City   | WINS | 1180 |
| New York City   | WJZ  | 760  |
| New York City   | WMCA | 570  |
| New York City   | WNEW | 1250 |
| New York City   | WNYC | 810  |
| New York City   | WOR  | 710  |
| New York City   | WOV  | 1130 |
| New York City   | WQXR | 1550 |
| New York City   | WWRL | 1500 |
| Olean           | WHDL | 1400 |
| Plattsburg      | WMFF | 1310 |
| Rochester       | WHAM | 1150 |
| Rochester       | WHEC | 1430 |
| Rochester       | WSAY | 1210 |
| Saranac Lake    | WNBZ | 1290 |
| Schenectady     | WGY  | 790  |
| Syracuse        | WFBL | 1360 |
| Syracuse        | WSYR | 570  |
| Syracuse        | WSYU | 570  |
| Troy            | WHAZ | 1300 |
| Troy            | WTRY | 950  |
| Utica           | WIBX | 1200 |
| White Plains    | WFAS | 1210 |

|                       |      |      |
|-----------------------|------|------|
| <b>NORTH CAROLINA</b> |      |      |
| Asheville             | WWNC | 570  |
| Charlotte             | WBT  | 1080 |
| Charlotte             | WSOC | 1210 |
| Durham                | WDNC | 1500 |
| Fayetteville          | WFNC | 1340 |
| Gastonia              | WGNC | 1420 |
| Greensboro            | WBIG | 1440 |
| High Point            | WMFR | 1200 |
| Kinston               | WFTC | 1200 |
| Raleigh               | WPTF | 680  |
| Raleigh               | WRAL | 1210 |
| Rocky Mount           | WEED | 1420 |
| Salisbury             | WSTP | 1500 |
| Wilmington            | WMFD | 1370 |
| Wilson                | WGTM | 1310 |
| Winston-Salem         | WAIR | 1250 |
| Winston-Salem         | WSJS | 1310 |

|                     |      |      |
|---------------------|------|------|
| <b>NORTH DAKOTA</b> |      |      |
| Bismarck            | KFYR | 550  |
| Devils Lake         | KDLR | 1210 |

| City        | Call Letters | Freq'y in Kcs. |
|-------------|--------------|----------------|
| Fargo       | WDAY         | 940            |
| Grand Forks | KFJM         | 1410           |
| Jamestown   | KRMC         | 1370           |
| Mandan      | KGCU         | 1240           |
| Minot       | KLPM         | 1360           |
| Valley City | KOVC         | 1500           |

|             |      |      |
|-------------|------|------|
| <b>OHIO</b> |      |      |
| Akron       | WADC | 1320 |
| Akron       | WJW  | 1210 |
| Ashtabula   | WICA | 940  |
| Canton      | WHBC | 1200 |
| Cincinnati  | WCKY | 1490 |
| Cincinnati  | WCPO | 1200 |
| Cincinnati  | WKRC | 550  |
| Cincinnati  | WLW  | 700  |
| Cincinnati  | WSAI | 1330 |
| Cleveland   | WCLE | 610  |
| Cleveland   | WGAR | 1450 |
| Cleveland   | WHK  | 1390 |
| Cleveland   | WTAM | 1070 |
| Columbus    | WBNS | 1430 |
| Columbus    | WCOL | 1210 |
| Columbus    | WHKC | 640  |
| Columbus    | WOSU | 570  |
| Dayton      | WHIO | 1260 |
| Dayton      | WSMK | 1380 |
| Lima        | WBLY | 1210 |
| Portsmouth  | WPAY | 1370 |
| Toledo      | WSPD | 1340 |
| Toledo      | WTOL | 1200 |
| Youngstown  | WFMY | 1420 |
| Youngstown  | WKBN | 570  |
| Zanesville  | WALR | 1210 |

|                 |      |      |
|-----------------|------|------|
| <b>OKLAHOMA</b> |      |      |
| Ada             | KADA | 1200 |
| Ardmore         | KVSO | 1210 |
| Elk City        | KASA | 1210 |
| Enid            | KCRC | 1360 |
| Muskogee        | KBIX | 1500 |
| Norman          | WNAD | 1010 |
| Oklahoma City   | KOCY | 1310 |
| Oklahoma City   | KOMA | 1480 |
| Oklahoma City   | KTOK | 1370 |
| Oklahoma City   | WKY  | 900  |
| Okmulgee        | KHBG | 1210 |
| Ponca City      | WBBZ | 1200 |
| Shawnee         | KGFF | 1420 |
| Tulsa           | KOME | 1310 |
| Tulsa           | KTUL | 1400 |
| Tulsa           | KVOO | 1140 |

|               |      |      |
|---------------|------|------|
| <b>OREGON</b> |      |      |
| Astoria       | KAST | 1200 |
| Baker         | KBKR | 1500 |
| Bend          | KBND | 1310 |
| Corvallis     | KOAC | 550  |
| Eugene        | KORE | 1420 |
| Klamath Falls | KFJI | 1210 |
| La Grande     | KLBK | 1420 |
| Marshfield    | KOOS | 1200 |
| Medford       | KMED | 1410 |
| Portland      | KALE | 1300 |
| Portland      | KOIN | 940  |
| Portland      | KBPS | 1420 |
| Portland      | KEX  | 1180 |
| Portland      | KGW  | 620  |
| Portland      | KWJJ | 1040 |
| Portland      | KXL  | 1420 |
| Roseburg      | KRNR | 1500 |
| Salem         | KSLM | 1370 |

|                     |      |      |
|---------------------|------|------|
| <b>PENNSYLVANIA</b> |      |      |
| Allentown           | WSAN | 1440 |
| Allentown           | WCBA | 1440 |
| Altoona             | WFBC | 1310 |
| Easton              | WEST | 1200 |
| Erie                | WLEU | 1420 |
| Greensburg          | WHJB | 620  |
| Grove City          | WSAJ | 1310 |
| Harrisburg          | WHP  | 1430 |
| Harrisburg          | WKBO | 1200 |
| Hazleton            | WAZL | 1420 |

| City         | Call Letters | Freq'y in Kcs. |
|--------------|--------------|----------------|
| Johnstown    | WJAC         | 1310           |
| Lancaster    | WGAL         | 1500           |
| New Castle   | WKST         | 1250           |
| Philadelphia | KYW          | 1020           |
| Philadelphia | WCAU         | 1170           |
| Philadelphia | WDAS         | 1370           |
| Philadelphia | WHAT         | 1310           |
| Philadelphia | WIBG         | 970            |
| Philadelphia | WFIL         | 560            |
| Philadelphia | WIP          | 610            |
| Philadelphia | WPEN         | 920            |
| Philadelphia | WTET         | 1310           |
| Pittsburgh   | KDKA         | 980            |
| Pittsburgh   | KQV          | 1380           |
| Pittsburgh   | WCAE         | 1220           |
| Pittsburgh   | WJAS         | 1290           |
| Pittsburgh   | WWSW         | 1500           |
| Reading      | WEEU         | 830            |
| Reading      | WRAW         | 1310           |
| Scranton     | WGHI         | 880            |
| Scranton     | WQAN         | 880            |
| Sharon       | WPIC         | 780            |
| Sunbury      | WKOK         | 1210           |
| Uniontown    | WMBS         | 1420           |
| Wilkes-Barre | WBAX         | 1210           |
| Wilkes-Barre | WBRE         | 1310           |
| Williamsport | WRAC         | 1370           |
| York         | WORK         | 1320           |

|                     |      |     |
|---------------------|------|-----|
| <b>RHODE ISLAND</b> |      |     |
| Providence          | WEAN | 780 |
| Providence          | WJAR | 890 |
| Providence          | WPRO | 630 |

|                       |      |      |
|-----------------------|------|------|
| <b>SOUTH CAROLINA</b> |      |      |
| Anderson              | WAIM | 1200 |
| Charleston            | WCSC | 1360 |
| Charleston            | WTMA | 1210 |
| Columbia              | WCOS | 1370 |
| Columbia              | WIS  | 560  |
| Florence              | WOLS | 1200 |
| Greenville            | WFBC | 1300 |
| Rock Hill             | WRKL | 1500 |
| Spartanburg           | WSPA | 920  |

|                     |      |      |
|---------------------|------|------|
| <b>SOUTH DAKOTA</b> |      |      |
| Aberdeen            | KABR | 1390 |
| Brookings           | KFDY | 780  |
| Pierre              | KGFX | 630  |
| Rapid City          | KOBH | 1370 |
| Rapid City          | WCAT | 1200 |
| Sioux Falls         | KELO | 1200 |
| Sioux Falls         | KSOO | 1110 |
| Vermillion          | KUSD | 890  |
| Watertown           | KWTN | 1210 |
| Yankton             | WNAX | 570  |

|                  |      |      |
|------------------|------|------|
| <b>TENNESSEE</b> |      |      |
| Bristol          | WOPI | 1500 |
| Chattanooga      | WAO  | 1420 |
| Chattanooga      | WDOD | 1280 |
| Jackson          | WTJS | 1310 |
| Johnson City     | WJHL | 1200 |
| Knoxville        | WNOX | 1010 |
| Knoxville        | WROL | 1310 |
| Memphis          | WHBQ | 1370 |
| Memphis          | WMC  | 780  |
| Memphis          | WMPS | 1430 |
| Memphis          | WREC | 600  |
| Nashville        | WLAC | 1470 |
| Nashville        | WSIX | 1210 |
| Nashville        | WSM  | 650  |

|              |      |      |
|--------------|------|------|
| <b>TEXAS</b> |      |      |
| Abilene      | KRBC | 1420 |
| Amarillo     | KFDA | 1500 |
| Amarillo     | KGNC | 1410 |
| Austin       | KNOW | 1500 |
| Austin       | KTBC | 1120 |
| Beaumont     | KFDM | 560  |
| Beaumont     | KRIC | 1420 |

# U. S. BROADCASTING STATIONS BY STATES AND CITIES (Cont.)

| City                 | Call Letters | Freq'cy in Kcs. |
|----------------------|--------------|-----------------|
| Big Spring.....      | KBST         | 1500            |
| Brady.....           | KNEL         | 1500            |
| Brownsville.....     | KGFI         | 1500            |
| College Station..... | WTAW         | 1120            |
| Corpus Christi.....  | KRIS         | 1330            |
| Corsicana.....       | KAND         | 1310            |
| Dallas.....          | KRLD         | 1040            |
| Dallas.....          | WFAA         | 800             |
| Dallas.....          | WRR          | 1280            |
| Denton.....          | KDNT         | 1420            |
| Dublin.....          | KFPL         | 1310            |
| El Paso.....         | KROD         | 1500            |
| El Paso.....         | KTSM         | 1310            |
| El Paso.....         | WDJH         | 1310            |
| Fort Worth.....      | KFJZ         | 1370            |
| Fort Worth.....      | KGKO         | 570             |
| Fort Worth.....      | KTAT         | 1240            |
| Fort Worth.....      | WBAP         | 800             |
| Galveston.....       | KLUF         | 1370            |
| Greenville.....      | KGVL         | 1200            |
| Houston.....         | KPRC         | 920             |
| Houston.....         | KTRH         | 1290            |
| Houston.....         | KXYZ         | 1440            |
| Huntsville.....      | KSAM         | 1500            |
| Kilgore.....         | KOCA         | 1210            |
| Laredo.....          | KPAB         | 1500            |
| Longview.....        | KFRO         | 1370            |
| Lubbock.....         | KFYO         | 1310            |
| Lufkin.....          | KRBA         | 1310            |
| Midland.....         | KRLH         | 1420            |
| Palestine.....       | KNET         | 1420            |
| Pampa.....           | KPDN         | 1310            |
| Paris.....           | KPLT         | 1500            |
| Pecos.....           | KIUN         | 1370            |
| Port Arthur.....     | KPAC         | 1260            |
| San Angelo.....      | KGKL         | 1370            |
| San Antonio.....     | KABC         | 1420            |
| San Antonio.....     | KMAC         | 1370            |
| San Antonio.....     | KONO         | 1370            |
| San Antonio.....     | KTSA         | 550             |
| San Antonio.....     | WOAI         | 1190            |
| Sherman.....         | KRRV         | 1310            |
| Temple.....          | KTEM         | 1370            |
| Texarkana.....       | KCMC         | 1420            |
| Tyler.....           | KGKB         | 1500            |
| Vernon.....          | KVWC         | 1500            |
| Waco.....            | WACO         | 1420            |
| Weslaco.....         | KRGV         | 1260            |
| Wichita Falls.....   | KWFT         | 620             |

## UTAH

|                     |      |      |
|---------------------|------|------|
| Cedar City.....     | KSUB | 1310 |
| Logan.....          | KVNU | 1200 |
| Ogden.....          | KLO  | 1400 |
| Price.....          | KEUB | 1420 |
| Salt Lake City..... | KDYL | 1290 |
| Salt Lake City..... | KSL  | 1130 |
| Salt Lake City..... | KUTA | 1500 |

| City             | Call Letters | Freq'cy in Kcs. |
|------------------|--------------|-----------------|
| <b>VERMONT</b>   |              |                 |
| Burlington.....  | WCAX         | 1200            |
| Rutland.....     | WSYB         | 1500            |
| Springfield..... | WNBX         | 1260            |
| St. Albans.....  | WQDM         | 1390            |
| Waterbury.....   | WDEV         | 550             |

## VIRGINIA

|                      |      |      |
|----------------------|------|------|
| Charlottesville..... | WCHV | 1420 |
| Danville.....        | WBTM | 1370 |
| Harrisonburg.....    | WSVA | 550  |
| Lynchburg.....       | WLVA | 1200 |
| Newport News.....    | WGH  | 1310 |
| Norfolk.....         | WTAR | 780  |
| Petersburg.....      | WPIV | 1210 |
| Richmond.....        | WBBL | 1210 |
| Richmond.....        | WMBG | 1350 |
| Richmond.....        | WRNL | 880  |
| Richmond.....        | WRTD | 1500 |
| Richmond.....        | WRVA | 1110 |
| Roanoke.....         | WDBJ | 930  |

## WASHINGTON

|                  |      |      |
|------------------|------|------|
| Aberdeen.....    | KXRO | 1310 |
| Bellingham.....  | KVOS | 1200 |
| Centralia.....   | KELA | 1440 |
| Everett.....     | KRKO | 1370 |
| Longview.....    | KWLK | 780  |
| Olympia.....     | KGY  | 1210 |
| Pullman.....     | KWSC | 1220 |
| Seattle.....     | KEEN | 1370 |
| Seattle.....     | KIRO | 710  |
| Seattle.....     | KJR  | 970  |
| Seattle.....     | KOL  | 1270 |
| Seattle.....     | KOMO | 920  |
| Seattle.....     | KRSC | 1120 |
| Seattle.....     | KTW  | 1220 |
| Seattle.....     | KXA  | 760  |
| Spokane.....     | KFIO | 1120 |
| Spokane.....     | KFPY | 890  |
| Spokane.....     | KHQ  | 1470 |
| Spokane.....     | KHO  | 590  |
| Tacoma.....      | KMO  | 920  |
| Tacoma.....      | KVI  | 570  |
| Vancouver.....   | KVAN | 880  |
| Walla Walla..... | KUJ  | 1370 |
| Wenatchee.....   | KPQ  | 1500 |
| Yakima.....      | KIT  | 1250 |

## WEST VIRGINIA

|                 |      |      |
|-----------------|------|------|
| Beckley.....    | WJLS | 1210 |
| Bluefield.....  | WHIS | 1410 |
| Charleston..... | WCHS | 580  |

| City             | Call Letters | Freq'cy in Kcs. |
|------------------|--------------|-----------------|
| Charleston.....  | WGKV         | 1500            |
| Clarksburg.....  | WBLK         | 1370            |
| Fairmont.....    | WMMN         | 890             |
| Huntington.....  | WSAZ         | 1190            |
| Parkersburg..... | WPAR         | 1420            |
| Wheeling.....    | WWVA         | 1160            |
| Williamson.....  | WBTH         | 1370            |

## WISCONSIN

|                    |      |      |
|--------------------|------|------|
| Eau Claire.....    | WEAU | 1050 |
| Fond du Lac.....   | KFIZ | 1420 |
| Green Bay.....     | WBHY | 1200 |
| Green Bay.....     | WTAQ | 1330 |
| Janesville.....    | WCLO | 1200 |
| La Crosse.....     | WKBH | 1380 |
| Madison.....       | WHA  | 940  |
| Madison.....       | WIBA | 1280 |
| Manitowoc.....     | WOMT | 1210 |
| Milwaukee.....     | WEMP | 1310 |
| Milwaukee.....     | WISN | 1120 |
| Milwaukee.....     | WTMJ | 620  |
| Poynette.....      | WIBU | 1210 |
| Racine.....        | WRJN | 1370 |
| Rice Lake.....     | WJMC | 1210 |
| Sheboygan.....     | WHBL | 1300 |
| Stevens Point..... | WLBL | 900  |
| Superior.....      | WDSM | 1200 |
| Superior.....      | WEBC | 1290 |
| Wausau.....        | WSAU | 1370 |

## WYOMING

|                   |      |      |
|-------------------|------|------|
| Casper.....       | KDFN | 1440 |
| Rock Springs..... | KVRS | 1370 |
| Sheridan.....     | KWYO | 1370 |

## ALASKA

|                |      |      |
|----------------|------|------|
| Anchorage..... | KFQD | 780  |
| Fairbanks..... | KFAR | 610  |
| Juneau.....    | KINY | 1430 |
| Ketchikan..... | KGBU | 900  |

## PUERTO RICO

|               |      |      |
|---------------|------|------|
| Mayaguez..... | WPRP | 1370 |
| Ponce.....    | WPRP | 1420 |
| San Juan..... | WKAQ | 1240 |
| San Juan..... | WNEL | 1290 |

## HAWAII

|               |      |      |
|---------------|------|------|
| Hilo.....     | KHBC | 1400 |
| Honolulu..... | KGMB | 1320 |
| Honolulu..... | KGU  | 750  |
| Lihue.....    | KTOH | 1500 |



Above is shown the RCA Television Exhibit at the San Francisco Exposition. Sketch (left) shows how visitors may see actual Television broadcasts and at the same time view the image on an RCA Victor Television Receiver.

# U.S. BROADCASTING STATIONS

## BY CALL LETTERS

| Call Letters | City                  | Call Letters | City                   | Call Letters | City                  |
|--------------|-----------------------|--------------|------------------------|--------------|-----------------------|
| KABC         | San Antonio, Tex.     | KFXD         | Nampa, Idaho           | KMA          | Shenandoah, Ia.       |
| KABR         | Aberdeen, S. D.       | KFXJ         | Grand Junction, Colo.  | KMAC         | San Antonio, Tex.     |
| KADA         | Ada, Okla.            | KFXM         | San Bernardino, Calif. | KMBC         | Kansas City           |
| KALB         | Alexandria, La.       | KFYU         | Lubbock, Tex.          | KMED         | Medford, Ore.         |
| KALE         | Portland, Ore.        | KFYR         | Bismarck, N. D.        | KMJ          | Fresno, Calif.        |
| KAND         | Corsicana, Tex.       | KGA          | Spokane, Wash.         | KMLB         | Monroe, La.           |
| KANS         | Wichita, Kan.         | KGAR         | Tucson, Ariz.          | †KMMJ        | Clay Center, Nebr.    |
| KARK         | Little Rock, Ark.     | KGB          | San Diego, Calif.      | KMO          | Tacoma, Wash.         |
| KARM         | Fresno, Cal.          | KGBU         | Ketchikan, Alaska      | KMOX         | St. Louis             |
| KASA         | Elk City, Okla.       | KGBX         | Springfield, Mo.       | KMPC         | Beverly Hills, Calif. |
| KAST         | Astoria, Ore.         | KGCA         | Decorah, Ia.           | KMTR         | Hollywood, Calif.     |
| KATE         | Albert Lea, Minn.     | *KGCJ        | Coeur d'Alene, Ida.    | KNEL         | Brady, Tex.           |
| KAWM         | Gallup, N. M.         | KGCU         | Mandan, N. D.          | KNET         | Palestine, Tex.       |
| KBIK         | Muskogee, Okla.       | KGCX         | Wolf Point, Mont.      | KNOW         | Austin, Tex.          |
| KBPS         | Portland, Ore.        | KGDE         | Fergus Falls, Minn.    | KNX          | Los Angeles           |
| KBND         | Bend, Ore.            | KGDM         | Stockton, Calif.       | KOA          | Denver                |
| *KBKR        | Baker, Ore.           | KGEK         | Sterling, Colo.        | KOAC         | Corvallis, Ore.       |
| KBST         | Big Spring, Tex.      | KGER         | Long Beach, Calif.     | KOAM         | Pittsburgh, Kan.      |
| KBTM         | Jonesboro, Ark.       | KGEZ         | Kalispell, Mont.       | KOB          | Albuquerque, N. M.    |
| KCKN         | Kansas City, Kan.     | KGFF         | Shawnee, Okla.         | KOBH         | Rapid City, S. D.     |
| KCMC         | Texarkana, Tex.-Ark.  | KGFI         | Brownsville, Tex.      | KOCA         | Kilgore, Tex.         |
| KCMO         | Kansas City, Mo.      | KGFJ         | Los Angeles            | KOCY         | Oklahoma City         |
| KCRC         | Enid, Okla.           | KGFL         | Roswell, N. M.         | KOH          | Reno, Nev.            |
| KCRJ         | Jerome, Ariz.         | KGFW         | Kearney, Nebr.         | KOIL         | Omaha, Nebr.          |
| KDAL         | Duluth, Minn.         | KGFX         | Pierre, S. D.          | KOIN         | Portland, Ore.        |
| KDB          | Santa Barbara, Calif. | KGGF         | Coffeyville, Kan.      | KOKO         | La Junta, Colo.       |
| KDFN         | Casper, Wyo.          | KGGM         | Albuquerque, N. M.     | KOL          | Seattle, Wash.        |
| KDKA         | Pittsburgh            | KGHF         | Pueblo, Colo.          | KOMA         | Oklahoma City         |
| KDLR         | Devils Lake, N. D.    | KGHI         | Little Rock, Ark.      | KOME         | Tulsa, Okla.          |
| KDNT         | Denton, Tex.          | KGHL         | Billings, Mont.        | KOMO         | Seattle, Wash.        |
| KDON         | Monterey, Calif.      | KGIR         | Butte, Mont.           | KONO         | San Antonio, Tex.     |
| *KDTH        | Dubuque, Ia.          | KGIW         | Alamosa, Colo.         | KOOS         | Marshfield, Ore.      |
| KDYL         | Salt Lake City, Utah  | KGKB         | Tyler, Tex.            | KORE         | Eugene, Ore.          |
| KECA         | Los Angeles           | KGKL         | San Angelo, Tex.       | KOTN         | Pine Bluff, Ark.      |
| KEEN         | Seattle, Wash.        | KGKO         | Fort Worth, Tex.       | KOVC         | Valley City, N. D.    |
| KEHE         | Los Angeles           | KGKY         | Scottsbluff, Nebr.     | KOY          | Phoenix, Ariz.        |
| KELA         | Centralia, Wash.      | KGLO         | Mason City, Ia.        | KPAB         | Laredo, Tex.          |
| KELD         | El Dorado, Ark.       | KGLU         | Safford, Ariz.         | KPAC         | Port Arthur, Tex.     |
| KELO         | Sioux Falls, S. D.    | KGMB         | Honolulu, Hawaii       | KPDN         | Pampa, Tex.           |
| KERN         | Bakersfield, Calif.   | KGNC         | Amarillo, Tex.         | KPFA         | Helena, Mont.         |
| KEUB         | Price, Utah           | KGNF         | N. Platte, Nebr.       | KPLC         | Lake Charles, La.     |
| KEX          | Portland, Ore.        | KGNO         | Dodge City, Kan.       | KPLT         | Paris, Tex.           |
| KFAB         | Lincoln, Nebr.        | KGO          | San Francisco          | KPMC         | Bakersfield, Cal.     |
| KFAC         | Los Angeles           | KGU          | Honolulu, Hawaii       | KPO          | San Francisco         |
| KFAM         | St. Cloud, Minn.      | *KGVJ        | Greenville, Tex.       | KPOF         | Denver                |
| *KFAR        | Fairbanks, Alaska     | KGVO         | Missoula, Mont.        | KPPC         | Pasadena, Calif.      |
| KFB          | Great Falls, Mont.    | KGW          | Portland, Ore.         | KPQ          | Wenatchee, Wash.      |
| KFBI         | Abilene, Kan.         | KGY          | Olympia, Wash.         | KPRC         | Houston, Tex.         |
| KFBK         | Sacramento, Calif.    | KHBC         | Hilo, Hawaii           | KQV          | Pittsburgh            |
| *KFDA        | Amarillo, Tex.        | KHBG         | Oklmulgee, Okla.       | KQW          | San Jose, Calif.      |
| KFDM         | Beaumont, Tex.        | KHJ          | Los Angeles            | KRBA         | Lufkin, Tex.          |
| KFDY         | Brookings, S. D.      | KHQ          | Spokane, Wash.         | KRBC         | Abilene, Tex.         |
| KFEL         | Denver                | KHSL         | Chico, Calif.          | *KRBM        | Bozeman, Mont.        |
| KFEQ         | St. Joseph, Mo.       | KHUB         | Watsonville, Calif.    | KRE          | Berkeley, Calif.      |
| KFGQ         | Boone, Ia.            | KICA         | Clovis, N. M.          | KRGV         | Weslaco, Tex.         |
| KFH          | Wichita, Kan.         | KID          | Idaho Falls, Idaho     | KRIC         | Beaumont, Tex.        |
| KFI          | Los Angeles           | KIDO         | Boise, Idaho           | KRIS         | Corpus Christi, Tex.  |
| KFIO         | Spokane, Wash.        | KIDW         | Lamar, Colo.           | KRKD         | Los Angeles           |
| KFIZ         | Fond du Lac, Wis.     | KIEM         | Eureka, Calif.         | KRKO         | Everett, Wash.        |
| KFJB         | Marshalltown, Ia.     | KIEV         | Glendale, Calif.       | KRLC         | Lewiston, Idaho       |
| KFJI         | Klamath Falls, Ore.   | KINY         | Juneau, Alaska         | KRLD         | Dallas, Tex.          |
| KFJM         | Grand Forks, N. D.    | KIRO         | Seattle, Wash.         | KRLH         | Midland, Tex.         |
| KFJZ         | Fort Worth, Tex.      | KIT          | Yakima, Wash.          | KRMC         | Jamestown, N. D.      |
| KFKA         | Greeley, Colo.        | KITE         | Kansas City, Mo.       | KRMD         | Shreveport, La.       |
| KFKU         | Lawrence, Kan.        | KIUL         | Garden City, Kans.     | KRNR         | Roseburg, Ore.        |
| KFNF         | Shenandoah, Ia.       | KIUN         | Pecos, Tex.            | KRNT         | Des Moines, Ia.       |
| KFOR         | Lincoln, Nebr.        | KIUP         | Durango, Colo.         | KROC         | Rochester, Minn.      |
| KFOX         | Long Beach, Calif.    | KJBS         | San Francisco, Calif.  | *KROD        | El Paso, Tex.         |
| KFPL         | Dublin, Tex.          | KJR          | Seattle, Wash.         | KROW         | Oakland, Calif.       |
| KFPW         | Fort Smith, Ark.      | KLAH         | Carlsbad, N. M.        | KROY         | Sacramento, Calif.    |
| KFPY         | Spokane, Wash.        | KLBM         | LaGrande, Ore.         | KRQA         | Santa Fe, N. M.       |
| KFQD         | Anchorage, Alaska     | KLCN         | Blytheville, Ark.      | KRRV         | Sherman, Tex.         |
| KFRC         | San Francisco         | KLO          | Ogden, Utah            | KRSS         | Seattle, Wash.        |
| KFRO         | Longview, Tex.        | KLPM         | Minot, N. D.           | KSAC         | Manhattan, Kan.       |
| KFRU         | Columbia, Mo.         | KLRA         | Little Rock, Ark.      | KSAL         | Salina, Kan.          |
| KFS          | San Diego, Calif.     | KLS          | Oakland, Calif.        | KSAN         | Huntsville, Tex.      |
| KFSG         | Los Angeles           | KLUF         | Galveston, Texas       | KSCJ         | Sioux City, Ia.       |
| KFUO         | St. Louis             | KLX          | Oakland, Calif.        | KSD          | St. Louis             |
| KFVD         | Los Angeles           | KLZ          | Denver                 |              |                       |
| KFVS         | Cape Girardeau, Mo.   |              |                        |              |                       |
| KFWB         | Hollywood, Calif.     |              |                        |              |                       |

\* Denotes new station authorized but not yet in operation as of Jan. 15, 1939.

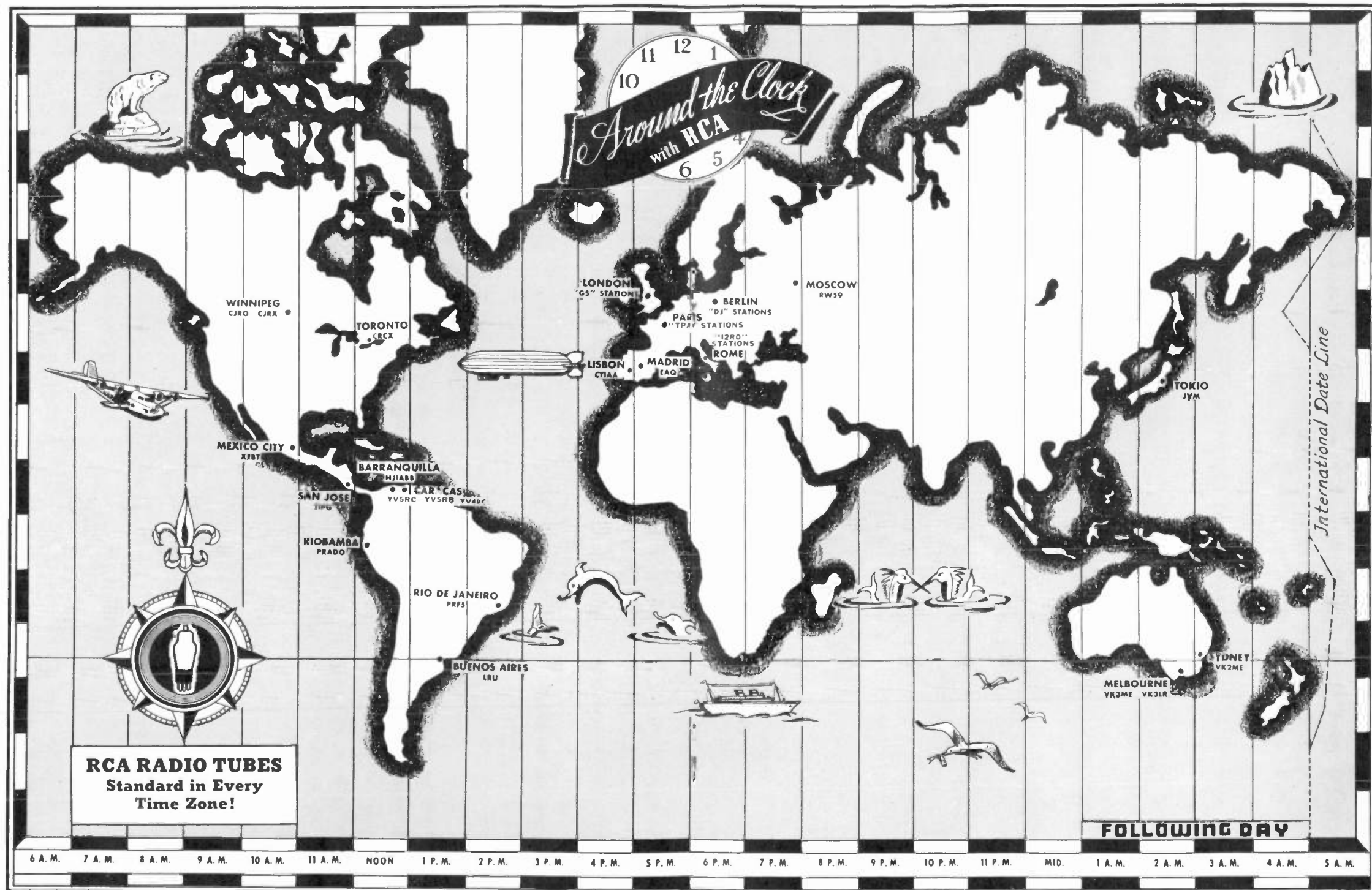
† Authorized to move to Grand Island, Neb.



# U. S. BROADCASTING STATIONS BY CALL LETTERS (Continued)

| Call Letters | City                    | Call Letters | City                 | Call Letters | City                |
|--------------|-------------------------|--------------|----------------------|--------------|---------------------|
| KSEI         | Pocatello, Idaho        | WAAT         | Jersey City, N. J.   | WCSH         | Portland, Me.       |
| KSFO         | San Francisco, Calif.   | WAAW         | Omaha, Nebr.         | WDAE         | Tampa, Fla.         |
| KSL          | Salt Lake City, Utah    | WABC         | New York             | WDAF         | Kansas City, Mo.    |
| KSLM         | Salem, Ore.             | WABI         | Bangor, Me.          | WDAH         | El Paso, Tex.       |
| KSO          | Des Moines, Ia.         | WABY         | Albany, N. Y.        | WDAN         | Danville, Ill.      |
| KSOO         | Sioux Falls, S. D.      | WACO         | Waco, Tex.           | WDAS         | Philadelphia        |
| KSRO         | Santa Rosa, Calif.      | WADC         | Akron, O.            | WDAY         | Fargo, N. D.        |
| KSTP         | Minneapolis-St. Paul    | WAGA         | Atlanta              | WDBJ         | Roanoke, Va.        |
| KSUB         | Cedar City, Utah        | WAGF         | Dothan, Ala.         | WDBO         | Orlando, Fla.       |
| KSUN         | Lowell, Ariz.           | WAGM         | Presque Isle, Me.    | WDEL         | Wilmington, Del.    |
| K TAR        | Phoenix, Ariz.          | WAIM         | Anderson, S. C.      | WDEV         | Waterbury, Vt.      |
| KTAT         | Fort Worth, Tex.        | WAIR         | Winston-Salem, N. C. | WDGY         | Minneapolis         |
| *KTBC        | Austin, Tex.            | WALA         | Mobile, Ala.         | WDNC         | Durham, N. C.       |
| KTBS         | Shreveport, La.         | WALR         | Zanesville, O.       | WDOD         | Chattanooga, Tenn.  |
| KTEM         | Temple, Tex.            | WAML         | Laurel, Miss.        | WDRC         | Hartford, Conn.     |
| KTFI         | Twin Falls, Idaho       | WAPI         | Birmingham, Ala.     | *WDSM        | Superior, Wis.      |
| KTHS         | Hot Springs, Ark.       | WAPQ         | Chattanooga, Tenn.   | WDSU         | New Orleans         |
| KTKC         | Visalia, Calif.         | WARD         | Brooklyn             | WDWS         | Champaign, Ill.     |
| KTMS         | Santa Barbara, Calif.   | WASH         | Grand Rapids, Mich.  | WDZ          | Tuscola, Ill.       |
| *KTOH        | Lihue, Hawaii           | WATL         | Atlanta, Ga.         | WEAF         | New York            |
| KTKO         | Oklahoma City           | WATR         | Waterbury, Conn.     | WEAN         | Providence, R. I.   |
| KTRB         | Modesto, Calif.         | WAVE         | Louisville, Ky.      | WEAU         | Eau Claire, Wis.    |
| KTRH         | Houston, Tex.           | WAWZ         | Zarephath, N. J.     | WEBC         | Duluth, Minn.       |
| KTRI         | Sioux City, Ia.         | WAYX         | Waycross, Ga.        | WEBQ         | Harrisburg, Ill.    |
| KTSA         | San Antonio, Tex.       | WAZL         | Hazleton, Pa.        | WEBR         | Buffalo, N. Y.      |
| KTSM         | El Paso, Tex.           | WBAA         | W. Lafayette, Ind.   | WEED         | Chicago             |
| *KTSW        | Emporia, Kan.           | WBAL         | Baltimore            | WEED         | Rocky Mount, N. C.  |
| KTUL         | Tulsa, Okla.            | WBAP         | Fort Worth, Tex.     | WEEI         | Boston              |
| KTW          | Seattle, Wash.          | WBAX         | Wilkes-Barre, Pa.    | WEEU         | Reading, Pa.        |
| KUJ          | Walla Walla, Wash.      | WBBC         | Brooklyn             | WELI         | New Haven, Conn.    |
| KUMA         | Yuma, Ariz.             | WBBL         | Richmond, Va.        | WELL         | Battle Creek, Mich. |
| KUOA         | Siloam Springs, Ark.    | WBBM         | Chicago              | WEMP         | Milwaukee           |
| KUSD         | Vermillion, S. D.       | WBBR         | Brooklyn             | WENR         | Chicago             |
| KUTA         | Salt Lake City          | WBBZ         | Ponca City, Okla.    | *WENY        | Elmira, N. Y.       |
| *KVAK        | Atchison, Kan.          | WBCE         | Bay City, Mich.      | WEOA         | Evansville, Ind.    |
| *KVAN        | Vancouver, Wash.        | WBEN         | Buffalo, N. Y.       | WESG         | Elmira, N. Y.       |
| KVCV         | Redding, Calif.         | WBEO         | Marquette, Mich.     | WEST         | Easton, Pa.         |
| KVEC         | San Luis Obispo, Cal.   | WBHP         | Huntsville, Ala.     | WEVD         | New York            |
| KVGB         | Great Bend, Kan.        | WBIG         | Greensboro, N. C.    | WEW          | St. Louis           |
| KVI          | Tacoma, Wash.           | WBIL         | New York City        | WEXL         | Royal Oak, Mich.    |
| KVNU         | Logan, Utah             | WBLK         | Clarksburg, W. Va.   | WFAA         | Dallas, Tex.        |
| KVOA         | Tucson, Ariz.           | WBLY         | Lima, O.             | WFAM         | South Bend, Ind.    |
| KVOD         | Denver, Colo.           | WBNO         | New Orleans          | WFAS         | White Plains, N. Y. |
| KVOE         | Santa Ana, Calif.       | WBNS         | Columbus, O.         | WFBC         | Greenville, S. C.   |
| KVOL         | Lafayette, La.          | WBNY         | New York             | WFBG         | Altoona, Pa.        |
| KVOO         | Tulsa, Okla.            | WBOW         | Buffalo, N. Y.       | WFBM         | Syracuse, N. Y.     |
| KVOR         | Colorado Springs, Colo. | WBRR         | Terre Haute, Ind.    | WFBM         | Indianapolis        |
| KVOS         | Bellingham, Wash.       | WBRC         | Red Bank, N. J.      | WFBF         | Baltimore           |
| KVOX         | Moorhead, Minn.         | WBRE         | Birmingham, Ala.     | WFDF         | Flint, Mich.        |
| KVRS         | Rock Springs, Wyo.      | WBRR         | Wilkes-Barre, Pa.    | WFEA         | Manchester, N. H.   |
| KVSO         | Ardmore, Okla.          | WBRR         | Pittsfield, Mass.    | WFLA         | Philadelphia        |
| *KVWC        | Vernon, Tex.            | WBRY         | Waterbury, Conn.     | WFLA         | Tampa, Fla.         |
| *KWAL        | Wallace, Idaho          | WBT          | Charlotte, N. C.     | WFMD         | Frederick, Md.      |
| KWBG         | Hutchinson, Kan.        | *WBTH        | Williamson, W. Va.   | *WFMJ        | Youngstown, O.      |
| KWEW         | Hobbs, N. M.            | WBTM         | Danville, Va.        | *WFNC        | Fayetteville, N. C. |
| *KWFT        | Wichita Falls, Tex.     | WBZ          | Boston               | WFOR         | Hattiesburg, Miss.  |
| KWG          | Stockton, Calif.        | WBZA         | Springfield, Mass.   | WFOY         | St. Augustine, Fla. |
| KWJB         | Globe, Ariz.            | WCAD         | Canton, N. Y.        | WFTC         | Kinston, N. C.      |
| KWJJ         | Portland, Ore.          | WCAE         | Pittsburgh           | WGAL         | Lancaster, Pa.      |
| KWK          | St. Louis               | WCAL         | Northfield, Minn.    | WGAN         | Portland, Me.       |
| KWKH         | Shreveport, La.         | WCAM         | Camden, N. J.        | WGAR         | Cleveland           |
| KWLC         | Decorah, Ia.            | WCAP         | Baltimore            | WGAU         | Athens, Ga.         |
| KWLK         | Longview, Wash.         | WCAT         | Asbury Park, N. J.   | WGBB         | Freeport, N. Y.     |
| KWNO         | Winona, Minn.           | WCAU         | Rapid City, S. D.    | WGBF         | Evansville, Ind.    |
| KWOC         | Poplar Bluff, Mo.       | WCAX         | Philadelphia         | WGBI         | Scranton, Pa.       |
| KWOS         | Jefferson City, Mo.     | WCAX         | Burlington, Vt.      | WGCM         | Gulfport, Miss.     |
| KWSC         | Pullman, Wash.          | WCAX         | Carthage, Ill.       | WGES         | Chicago             |
| KWTN         | Watertown, S. D.        | WCBA         | Allentown, Pa.       | WGH          | Newport News, Va.   |
| KWTO         | Springfield, Mo.        | WCBD         | Chicago, Ill.        | WGIL         | Galesburg, Ill.     |
| KWYO         | Sheridan, Wyo.          | WCBM         | Baltimore            | *WGVV        | Charleston, W. Va.  |
| KXA          | Seattle, Wash.          | WCBS         | Springfield, Ill.    | WGN          | Fort Wayne, Ind.    |
| KXL          | Portland, Ore.          | WCCO         | Minneapolis          | *WGN         | Chicago             |
| KXOK         | El Centro, Calif.       | WCFL         | Chicago              | *WGN         | Gastonia, N. C.     |
| KXRO         | St. Louis, Mo.          | WCHS         | Charleston, W. Va.   | WGN          | Newburgh, N. Y.     |
| KXYZ         | Aberdeen, Wash.         | WCHV         | Charlottesville, Va. | WGPC         | Albany, Ga.         |
| KYA          | Houston, Tex.           | WCKY         | Cincinnati           | WGR          | Buffalo, N. Y.      |
| KYCA         | San Francisco           | WCLE         | Cleveland            | WGRC         | New Albany, Ind.    |
| KYCS         | Prescott, Ariz.         | WCLO         | Janesville, Wis.     | WGSM         | Grenada, Miss.      |
| KYSM         | Merced, Calif.          | WCLS         | Joliet, Ill.         | WGST         | Atlanta             |
| KYW          | Mankato, Minn.          | WCMI         | Ashland, Ky.         | WGTM         | Wilson, N. C.       |
|              | Philadelphia            | WCNW         | Brooklyn             | WGY          | Schenectady, N. Y.  |
|              |                         | WCOA         | Pensacola, Fla.      | WHA          | Madison, Wis.       |
| WAAB         | Boston                  | WCOC         | Meridian, Miss.      | WHAI         | Greenfield, Mass.   |
| WAAB         | Chicago                 | WCOL         | Columbus, O.         | WHAM         | Rochester, N. Y.    |
|              |                         | WCOP         | Boston               | WHAS         | Louisville, Ky.     |
|              |                         | *WCOS        | Columbia, S. C.      | WHAT         | Philadelphia        |
|              |                         | WCOU         | Lewiston, Me.        | WHAZ         | Troy, N. Y.         |
|              |                         | WCOV         | Montgomery, Ala.     | WHB          | Kansas City, Mo.    |
|              |                         | WCPO         | Cincinnati           | WHBB         | Selma, Ala.         |
|              |                         | WCRW         | Chicago, Ill.        | WHBC         | Canton, O.          |
|              |                         | WCSC         | Charleston, S. C.    | WHBF         | Rock Island, Ill.   |

\* Denotes new station authorized but not yet in operation as of Jan. 15, 1939.



### TIME ZONE CHART of the WORLD

This map of the world is divided into time zones and shows the various times in other countries corresponding to noon standard time in New York. For example: when it's noon in New York, the clocks in Moscow read 7:00 P. M., etc. For purposes of clarity, only the principal short-wave stations are shown. Use these as reference points to approximate the locations of other stations.



# KILOCYCLE INDEX

## Broadcasting Stations of U. S.

| Call Letters | City                 | Watts  | Call Letters | City                  | Watts  |
|--------------|----------------------|--------|--------------|-----------------------|--------|
| 550 KC.      |                      |        |              |                       |        |
| KFUO         | St. Louis            | 1,000  | KIRO         | Seattle               | 250    |
| KFYR         | Bismarck, N. D.      | 5,000  | WSM          | Nashville, Tenn.      | 50,000 |
| KOAC         | Corvallis, Ore.      | 1,000  |              |                       |        |
| KSD          | St. Louis            | 5,000  |              | 660 KC.               |        |
| KTSA         | San Antonio          | 5,000  | WAAW         | Omaha, Nebr.          | 500    |
| WDEV         | Waterbury, Vt.       | 500    | WEAF         | New York              | 50,000 |
| WGR          | Buffalo, N. Y.       | 5,000  |              | 670 KC.               |        |
| WKRC         | Cincinnati           | 5,000  |              |                       |        |
| WSVA         | Harrisonburg, Va.    | 500    | WMAQ         | Chicago               | 50,000 |
| 560 KC.      |                      |        |              |                       |        |
| KFDM         | Beaumont, Tex.       | 1,000  | KFEQ         | St. Joseph, Mo.       | 2,500  |
| KLZ          | Denver               | 5,000  | KPO          | San Francisco         | 50,000 |
| KSFO         | San Francisco        | 5,000  | WLAW         | Lawrence, Mass.       | 1,000  |
| KWTO         | Springfield, Mo.     | 5,000  | WPTF         | Raleigh, N. C.        | 5,000  |
| WFIL         | Philadelphia         | 1,000  |              | 700 KC.               |        |
| WIND         | Gary, Ind.           | 5,000  | WLW          | Cincinnati            | 50,000 |
| WIS          | Columbia, S. C.      | 5,000  |              | 710 KC.               |        |
| WQAM         | Miami, Fla.          | 1,000  |              |                       |        |
| 570 KC.      |                      |        |              |                       |        |
| KGKO         | Fort Worth, Tex.     | 5,000  | KIRO         | Seattle               | 1,000  |
| KMTR         | Los Angeles          | 1,000  | KMPC         | Beverly Hills, Calif. | 500    |
| KVI          | Tacoma, Wash.        | 5,000  | WOR          | Newark, N. J.         | 50,000 |
| WKBN         | Youngstown, O.       | 500    |              | 720 KC.               |        |
| WMCA         | New York             | 1,000  | WGN          | Chicago               | 50,000 |
| WNAX         | Yankton, S. D.       | 5,000  |              | 740 KC.               |        |
| WOSU         | Columbus, O.         | 1,000  | KMMJ         | Clay Center, Neb.     | 1,000  |
| WSYR         | Syracuse, N. Y.      | 1,000  | KTRB         | Modesto, Calif.       | 250    |
| WWNC         | Asheville, N. C.     | 1,000  | WHEB         | Portsmouth, N. H.     | 250    |
|              |                      |        | WSB          | Atlanta               | 50,000 |
| 580 KC.      |                      |        |              |                       |        |
| KMJ          | Fresno, Calif.       | 1,000  |              | 750 KC.               |        |
| KSAC         | Manhattan, Kan.      | 1,000  | KGU          | Honolulu, Hawaii      | 2,500  |
| WCHS         | Charleston, W. Va.   | 1,000  | WJR          | Detroit               | 50,000 |
| WDEO         | Orlando, Fla.        | 5,000  |              | 760 KC.               |        |
| WILL         | Urbana, Ill.         | 5,000  | KXA          | Seattle               | 500    |
| WIBW         | Topeka, Kan.         | 5,000  | WEW          | St. Louis             | 1,000  |
| WTAG         | Worcester, Mass.     | 1,000  | WJZ          | New York              | 50,000 |
| 590 KC.      |                      |        |              |                       |        |
| KHQ          | Spokane, Wash.       | 5,000  | WBAL         | Baltimore             | 2,500  |
| WEEI         | Boston               | 5,000  | WCAL         | Northfield, Minn.     | 5,000  |
| WKZO         | Kalamazoo, Mich.     | 1,000  | WLB          | Minneapolis           | 5,000  |
| WOW          | Omaha, Nebr.         | 5,000  |              | 770 KC.               |        |
| 600 KC.      |                      |        |              |                       |        |
| KFSD         | San Diego, Calif.    | 1,000  | KFAB         | Lincoln, Nebr.        | 10,000 |
| WCAO         | Baltimore            | 1,000  | WBBM         | Chicago               | 50,000 |
| WICC         | Bridgeport, Conn.    | 1,000  |              | 780 KC.               |        |
| WMT          | Cedar Rapids, Ia.    | 5,000  | KEHE         | Los Angeles           | 5,000  |
| WREC         | Memphis              | 5,000  | KFDY         | Brookings, S. D.      | 1,000  |
| 610 KC.      |                      |        |              |                       |        |
| KFAR         | Fairbanks, Alaska    | 1,000  | KFQD         | Anchorage, Alaska     | 250    |
| KFRC         | San Francisco        | 5,000  | KGHL         | Billings, Mont.       | 5,000  |
| WDAF         | Kansas City          | 5,000  | KWLK         | Longview, Wash.       | 250    |
| WIOD         | Miami                | 1,000  | WEAN         | Providence, R. I.     | 5,000  |
| WIP          | Philadelphia         | 1,000  | WMC          | Memphis               | 5,000  |
| WCLE         | Cleveland            | 500    | WPIC         | Sharon, Pa.           | 250    |
|              |                      |        | WTAR         | Norfolk, Va.          | 1,000  |
| 620 KC.      |                      |        |              |                       |        |
| KGW          | Portland, Ore.       | 5,000  | KGO          | San Francisco         | 7,500  |
| KTAR         | Phoenix, Ariz.       | 1,000  | WGY          | Schenectady, N. Y.    | 50,000 |
| KWFT         | Wichita Falls, Tex.  | 1,000  | KOAM         | Pittsburg, Kan.       | 1,000  |
| WFLA         | Tampa, Fla.          | 5,000  |              | 800 KC.               |        |
| WSUN         | St. Petersburg, Fla. | 5,000  | WBAP         | Fort Worth, Tex.      | 50,000 |
| WHJB         | Greensburg, Pa.      | 250    | WFAA         | Dallas, Tex.          | 50,000 |
| WLBZ         | Bangor, Me.          | 1,000  | WTBO         | Cumberland, Md.       | 250    |
| WTMJ         | Milwaukee            | 5,000  |              | 810 KC.               |        |
| 630 KC.      |                      |        |              |                       |        |
| KFRU         | Columbia, Mo.        | 1,000  | WCCO         | Minneapolis           | 50,000 |
| KGFX         | Pierre, S. D.        | 200    | WNYC         | New York              | 1,000  |
| WGBF         | Evansville, Ind.     | 1,000  |              | 820 KC.               |        |
| WMAL         | Washington, D. C.    | 500    | WHAS         | Louisville            | 50,000 |
| WPRO         | Providence, R. I.    | 1,000  |              | 830 KC.               |        |
| 640 KC.      |                      |        |              |                       |        |
| KFI          | Los Angeles          | 50,000 | KOA          | Denver                | 50,000 |
| WHKC         | Columbus, O.         | 500    | WEEU         | Reading, Pa.          | 1,000  |
| WOI          | Ames, Ia.            | 5,000  | WHDH         | Boston                | 1,000  |
| WGAN         | Portland, Me.        | 500    | WRUF         | Gainesville, Fla.     | 5,000  |

## U. S. BROADCASTING STATIONS BY CALL LETTERS (Continued)

| Call Letters | City                | Call Letters | City                     | Call Letters | City                  |
|--------------|---------------------|--------------|--------------------------|--------------|-----------------------|
| WHBI         | Newark, N. J.       | WLB          | Minneapolis              | WQBC         | Vicksburg, Miss.      |
| WHBL         | Sheboygan, Wis.     | WLCB         | Muncie, Ind.             | WQDM         | St. Albans, Vt.       |
| WHBO         | Memphis             | WLBI         | Stevens Point, Wis.      | WQXR         | New York              |
| WHBU         | Anderson, Ind.      | WLBZ         | Bangor, Me.              | WRAC         | Williamsport, Pa.     |
| WHBY         | Green Bay, Wis.     | WLEU         | Erie, Pa.                | WRAL         | Raleigh, N. C.        |
| WHDF         | Calumet, Mich.      | WLLH         | Lowell, Mass.            | WRBW         | Reading, Pa.          |
| WHDL         | Boston              | WLNH         | Laconia, N. H.           | WRBL         | Columbus, Ga.         |
| WHDL         | Olean, N. Y.        | WLS          | Chicago                  | WRC          | Washington, D. C.     |
| WHEB         | Portsmouth, N. H.   | WLTH         | Brooklyn                 | WRDO         | Augusta, Me.          |
| WHEC         | Rochester, N. Y.    | WLVA         | Lynchburg, Va.           | WRDW         | Augusta, Ga.          |
| WHFC         | Cicero, Ill.        | WLW          | Cincinnati               | WREC         | Memphis               |
| WHIO         | Dayton, O.          | WMAL         | Washington, D. C.        | WREN         | Lawrence, Kan.        |
| WHIP         | Hammond, Ind.       | WMAQ         | Chicago                  | WRGA         | Rome, Ga.             |
| WHIS         | Bluefield, W. Va.   | WMAS         | Springfield, Mass.       | WRJN         | Racine, Wis.          |
| WHJB         | Greensburg, Pa.     | WMAZ         | Macon, Ga.               | WRKL         | Rock Hill, S. C.      |
| WHK          | Cleveland           | WMBC         | Detroit                  | WRNL         | Richmond, Va.         |
| WHKC         | Columbus, O.        | WMBD         | Peoria, Ill.             | WROK         | Rockford, Ill.        |
| WHLB         | Virginia, Minn.     | WMBG         | Richmond, Va.            | WROL         | Knoxville, Tenn.      |
| WHLS         | Port Huron, Mich.   | WMBH         | Joplin, Mo.              | WRR          | Dallas, Tex.          |
| WHMA         | Anniston, Ala.      | WMBI         | Chicago                  | WRTD         | Richmond, Va.         |
| WHN          | New York            | WMBO         | Auburn, N. Y.            | WRUF         | Gainesville, Fla.     |
| WHO          | Des Moines, Ia.     | WMBR         | Jacksonville, Fla.       | WRVA         | Richmond, Va.         |
| WHOM         | Jersey City, N. J.  | WMBS         | Uniontown, Pa.           | WSAI         | Cincinnati            |
| WHP          | Harrisburg, Pa.     | WMC          | Memphis                  | WSAJ         | Grove City, Pa.       |
| WIBA         | Madison, Wis.       | WMCA         | New York                 | WSAL         | Salisbury, Md.        |
| WIBC         | Indianapolis, Ind.  | WMEX         | Boston, Mass.            | WSAN         | Allentown, Pa.        |
| WIBG         | Glenside, Pa.       | WMFD         | Wilmington, N. C.        | WSAR         | Fall River, Mass.     |
| WIBM         | Jackson, Mich.      | WMFF         | Plattsburg, N. Y.        | WSAU         | Wausau, Wis.          |
| WIBU         | Poynette, Wis.      | WMFG         | Hibbing, Minn.           | WSAV         | Savannah, Ga.         |
| WIBW         | Topeka, Kan.        | WMFJ         | Daytona Beach, Fla.      | WSAY         | Rochester, N. Y.      |
| WIBX         | Utica, N. Y.        | WMFO         | Decatur, Ala.            | WSAZ         | Huntington, W. Va.    |
| WICA         | Ashtabula, O.       | WMFR         | High Point, N. C.        | WSB          | Atlanta               |
| WICC         | Bridgeport, Conn.   | WMIN         | St. Paul, Minn.          | WSBC         | Chicago               |
| WIL          | St. Louis           | WMMN         | Fairmont, W. Va.         | WSBT         | South Bend, Ind.      |
| WILL         | Urbana, Ill.        | WMPC         | Lapeer, Mich.            | WSFA         | Montgomery, Ala.      |
| WILM         | Wilmington, Del.    | WMPS         | Memphis, Tenn.           | WSGN         | Birmingham            |
| WIND         | Gary, Ind.          | WMRO         | Aurora, Ill.             | WSIX         | Nashville, Tenn.      |
| WINS         | New York            | WMSD         | Muscle Shoals City, Ala. | WSJS         | Winston-Salem, N. C.  |
| WIOD         | Miami               | WMT          | Cedar Rapids, Ia.        | WSLI         | Jackson, Miss.        |
| WIP          | Philadelphia        | WNAC         | Boston                   | WSM          | Nashville, Tenn.      |
| WIRE         | Indianapolis        | WNAD         | Norman, Okla.            | WSMB         | New Orleans           |
| WISN         | Milwaukee           | WNAX         | Yankton, S. D.           | WSMK         | Dayton, O.            |
| WJAC         | Johnstown, Pa.      | WNBC         | New Britain, Conn.       | WSNJ         | Bridgeton, N. J.      |
| WJAG         | Norfolk, Nebr.      | WNBF         | Binghamton, N. Y.        | WSOC         | Charlotte, N. C.      |
| WJAR         | Providence, R. I.   | WNBH         | New Bedford, Mass.       | WSPA         | Spartanburg, S. C.    |
| WJAS         | Pittsburgh          | WNBX         | Springfield, Vt.         | WSPD         | Toledo, O.            |
| WJAX         | Jacksonville, Fla.  | WNBZ         | Saranac Lake, N. Y.      | WSPR         | Springfield, Mass.    |
| WJBC         | Bloomington, Ill.   | WNEL         | San Juan, P. R.          | WSTP         | Salisbury, N. C.      |
| WJBK         | Detroit             | WNEW         | New York                 | WSUI         | Iowa City, Ia.        |
| WJBL         | Decatur, Ill.       | WNLC         | New London, Conn.        | WSUN         | St. Petersburg, Fla.  |
| WJBO         | Baton Rouge, La.    | WNOX         | Knoxville, Tenn.         | WSVA         | Harrisonburg, Va.     |
| WJBW         | New Orleans         | WNYC         | New York                 | WSVS         | Buffalo, N. Y.        |
| WJBY         | Gadsden, Ala.       | WOAI         | San Antonio, Tex.        | WSYB         | Rutland, Vt.          |
| WJDX         | Jackson, Miss.      | WOC          | Davenport, Ia.           | WSYR-WSYU    | Syracuse, N. Y.       |
| WJEJ         | Hagerstown, Md.     | WOCB         | Osterville, Mass.        | WTAD         | Quincy, Ill.          |
| WJHL         | Johnson City, Tenn. | WOI          | Ames, Ia.                | WTAG         | Worcester, Mass.      |
| WJHP         | Jacksonville, Fla.  | WOKO         | Albany, N. Y.            | WTAL         | Tallahassee, Fla.     |
| WJIM         | Lansing, Mich.      | WOL          | Washington, D. C.        | WTAM         | Cleveland             |
| WJJD         | Chicago             | WOLS         | Florence, S. C.          | WTAQ         | Green Bay, Wis.       |
| WJLS         | Beckley, W. Va.     | WOMI         | Owensboro, Ky.           | WTAR         | Norfolk, Va.          |
| WJMC         | Rice Lake, Wis.     | WOMT         | Manitowoc, Wis.          | WTAW         | College Station, Tex. |
| WJMS         | Ironwood, Mich.     | WOOD         | Grand Rapids, Mich.      | WTAX         | Springfield, Ill.     |
| WJNO         | W. Palm Beach, Fla. | WOPI         | Bristol, Tenn.           | WTBO         | Cumberland, Md.       |
| WJR          | Detroit             | WOR          | Newark, N. J.            | WTCN         | Minneapolis           |
| WJRD         | Tuscaloosa, Ala.    | WORC         | Worcester, Mass.         | WTEL         | Philadelphia          |
| WJRV         | Washington, D. C.   | WORK         | York, Pa.                | WTHI         | Hartford, Conn.       |
| WJTN         | Jamestown, N. Y.    | WORL         | Boston, Mass.            | WTIC         | Hartford, Conn.       |
| WJW          | Akron, O.           | WOSU         | Columbus, O.             | WTJS         | Jackson, Tenn.        |
| WJZ          | New York            | WOV          | New York                 | WTMA         | Charleston, S. C.     |
| WKAQ         | San Juan, P. R.     | WOW          | Omaha, Nebr.             | WTMJ         | Milwaukee             |
| WKAR         | E. Lansing, Mich.   | WOWO         | Fort Wayne, Ind.         | WTMV         | East St. Louis, Ill.  |
| WKAT         | Miami Beach, Fla.   | WPAD         | Paducah, Ky.             | WTNJ         | Trenton, N. J.        |
| WKBH         | Dubuque, Ia.        | WPAP         | Parkersburg, W. Va.      | WTOL         | Savannah, Ga.         |
| WKBK         | La Crosse, Wis.     | WPAX         | Thomasville, Ga.         | WTRC         | Elkhart, Ind.         |
| WKBN         | Youngstown, O.      | WPAY         | Portsmouth, O.           | WTRY         | Troy, N. Y.           |
| WKBQ         | Harrisburg, Pa.     | WPEN         | Philadelphia             | WVFW         | Brooklyn              |
| WKBW         | Richmond, Ind.      | WPG          | Atlantic City, N. J.     | WWAE         | Hammond, Ind.         |
| WKBZ         | Muskegon, Mich.     | WPIC         | Sharon, Pa.              | WWJ          | Detroit               |
| WKEU         | Griffin, Ga.        | WPIV         | Petersburg, Va.          | WWL          | New Orleans           |
| WKOK         | Sunbury, Pa.        | WPRA         | Mayaguez, P. R.          | WWNC         | Asheville, N. C.      |
| WKST         | New Castle, Pa.     | WPRO         | Providence, R. I.        | WWRL         | Woodsie, N. Y.        |
| WKY          | Oklahoma City       | WPRP         | Ponce, P. R.             | WWSW         | Pittsburgh            |
| WKZO         | Kalamazoo, Mich.    | WPTF         | Raleigh, N. C.           | WWSA         | Wheeling, W. Va.      |
| WLAC         | Nashville, Tenn.    | WQAM         | Miami                    | WXYZ         | Detroit               |
| WLAK         | Lakeland, Fla.      | WQAN         | Scranton, Pa.            |              |                       |
| WLAP         | Lexington, Ky.      |              |                          |              |                       |
| WLAW         | Lawrence, Mass.     |              |                          |              |                       |

† Authorized to move to Appleton, Wis.

# U. S. BROADCASTING STATIONS BY CALL LETTERS (Continued)

| Call Letters | City                | Call Letters | City                     | Call Letters | City                  |
|--------------|---------------------|--------------|--------------------------|--------------|-----------------------|
| WHBI         | Newark, N. J.       | WLB          | Minneapolis              | WOBC         | Vicksburg, Miss.      |
| WHBL         | Sheboygan, Wis.     | WLBC         | Muncie, Ind.             | WODM         | St. Albans, Vt.       |
| WHBQ         | Memphis             | WLBL         | Stevens Point, Wis.      | WOXR         | New York              |
| WHBY         | Anderson, Ind.      | WLBZ         | Bangor, Me.              | WRAC         | Williamsport, Pa.     |
| WHDF         | Green Bay, Wis.     | WLEU         | Eric, Pa.                | WRAL         | Raleigh, N. C.        |
| WHDH         | Calumet, Mich.      | WLLH         | Lowell, Mass.            | WRAP         | Reading, Pa.          |
| WHDH         | Boston              | WLNH         | Laconia, N. H.           | WRBL         | Columbus, Ga.         |
| WHDL         | Olean, N. Y.        | WLS          | Chicago                  | WRC          | Washington, D. C.     |
| WHEB         | Portsmouth, N. H.   | WLTH         | Brooklyn                 | WRDO         | Augusta, Me.          |
| WHEC         | Rochester, N. Y.    | WLVA         | Lynchburg, Va.           | WRDW         | Augusta, Ga.          |
| WHFC         | Cicero, Ill.        | WLW          | Cincinnati               | WREC         | Memphis               |
| WHIO         | Dayton, O.          | WMAL         | Washington, D. C.        | WREN         | Lawrence, Kan.        |
| WHIP         | Hammond, Ind.       | WMAQ         | Chicago                  | WRGA         | Rome, Ga.             |
| WHIS         | Bluefield, W. Va.   | WMAS         | Springfield, Mass.       | WRJN         | Racine, Wis.          |
| WHJB         | Greensburg, Pa.     | WMAZ         | Macon, Ga.               | WRKL         | Rock Hill, S. C.      |
| WHK          | Cleveland           | WMBC         | Detroit                  | WRNL         | Richmond, Va.         |
| WHKC         | Columbus, O.        | WMBD         | Peoria, Ill.             | WROK         | Rockford, Ill.        |
| WHLB         | Virginia, Minn.     | WMBG         | Richmond, Va.            | WROL         | Knoxville, Tenn.      |
| WHLS         | Port Huron, Mich.   | WMBH         | Joplin, Mo.              | WRR          | Dallas, Tex.          |
| WHMA         | Anniston, Ala.      | WMBI         | Chicago                  | WRTD         | Richmond, Va.         |
| WHN          | New York            | WMBO         | Auburn, N. Y.            | WRUF         | Gainesville, Fla.     |
| WHO          | Des Moines, Ia.     | WMBR         | Jacksonville, Fla.       | WRVA         | Richmond, Va.         |
| WHOM         | Jersey City, N. J.  | WMBS         | Uniontown, Pa.           | WSAI         | Cincinnati            |
| WHP          | Harrisburg, Pa.     | WMC          | Memphis                  | WSAJ         | Grove City, Pa.       |
| WIBA         | Madison, Wis.       | WMCA         | New York                 | WSAL         | Salisbury, Md.        |
| WIBC         | Indianapolis, Ind.  | WMEX         | Boston, Mass.            | WSAN         | Allentown, Pa.        |
| WIBG         | Glenside, Pa.       | WMFD         | Wilmington, N. C.        | WSAR         | Fall River, Mass.     |
| WIBM         | Jackson, Mich.      | WMFF         | Plattsburg, N. Y.        | WSAU         | Wausau, Wis.          |
| WIBU         | Poynette, Wis.      | WMFG         | Hibbing, Minn.           | WSAV         | Savannah, Ga.         |
| WIBW         | Topeka, Kan.        | WMFJ         | Daytona Beach, Fla.      | WSAY         | Rochester, N. Y.      |
| WIBX         | Utica, N. Y.        | WMFO         | Decatur, Ala.            | WSAZ         | Huntington, W. Va.    |
| WICA         | Ashtabula, O.       | WMFR         | High Point, N. C.        | WSB          | Atlanta               |
| WICC         | Bridgeport, Conn.   | WMIN         | St. Paul, Minn.          | WSBC         | Chicago               |
| WIL          | St. Louis           | WMMN         | Fairmont, W. Va.         | WSBT         | South Bend, Ind.      |
| WILL         | Urbana, Ill.        | WMPC         | Lapeer, Mich.            | WSFA         | Montgomery, Ala.      |
| WILM         | Wilmington, Del.    | WMPS         | Memphis, Tenn.           | WSGN         | Birmingham            |
| WIND         | Gary, Ind.          | WMRO         | Aurora, Ill.             | WSIX         | Nashville, Tenn.      |
| WINS         | New York            | WMSD         | Muscle Shoals City, Ala. | WSJS         | Winston-Salem, N. C.  |
| WIOD         | Miami               | WMT          | Cedar Rapids, Ia.        | WSLI         | Jackson, Miss.        |
| WIP          | Philadelphia        | WNAC         | Boston                   | WSM          | Nashville, Tenn.      |
| WIRE         | Indianapolis        | WNAD         | Norman, Okla.            | WSMB         | New Orleans           |
| WIS          | Columbia            | WNAX         | Yankton, S. D.           | WSMK         | Dayton, O.            |
| WISN         | Milwaukee           | WNBC         | New Britain, Conn.       | WSNJ         | Bridgeton, N. J.      |
| WJAC         | Johnstown, Pa.      | WNBK         | Binghamton, N. Y.        | WSOC         | Charlotte, N. C.      |
| WJAG         | Norfolk, Nebr.      | WNBH         | New Bedford, Mass.       | WSPA         | Spartanburg, S. C.    |
| WJAR         | Providence, R. I.   | WNBX         | Springfield, Vt.         | WSPD         | Toledo, O.            |
| WJAS         | Pittsburgh          | WNBZ         | Saranac Lake, N. Y.      | WSPR         | Springfield, Mass.    |
| WJAX         | Jacksonville, Fla.  | WNEL         | San Juan, P. R.          | WSTP         | Salisbury, N. C.      |
| WJBC         | Bloomington, Ill.   | WNEW         | New York                 | WSUI         | Iowa City, Ia.        |
| WJBK         | Detroit             | WNLC         | New London, Conn.        | WSUN         | St. Petersburg, Fla.  |
| WJBL         | Decatur, Ill.       | WNOX         | Knoxville, Tenn.         | WSVA         | Harrisonburg, Va.     |
| WJBO         | Baton Rouge, La.    | WNYC         | New York                 | WSVS         | Buffalo, N. Y.        |
| WJBW         | New Orleans         | WOAI         | San Antonio, Tex.        | WSYB         | Rutland, Vt.          |
| WJBY         | Gadsden, Ala.       | WOC          | Davenport, Ia.           | WSYR-WSYU    | Syracuse, N. Y.       |
| WJDX         | Jackson, Miss.      | WOCB         | Osterville, Mass.        | WTAD         | Quincy, Ill.          |
| WJEJ         | Hagerstown, Md.     | WOI          | Ames, Ia.                | WTAG         | Worcester, Mass.      |
| WJHL         | Johnson City, Tenn. | WOKO         | Albany, N. Y.            | WTAL         | Tallahassee, Fla.     |
| WJHP         | Jacksonville, Fla.  | WOL          | Washington, D. C.        | WTAM         | Cleveland             |
| WJIM         | Lansing, Mich.      | WOLS         | Florence, S. C.          | WTAQ         | Green Bay, Wis.       |
| WJJD         | Chicago             | WOMI         | Owensboro, Ky.           | WTAR         | Norfolk, Va.          |
| WJLS         | Beckley, W. Va.     | WOMT         | Manitowoc, Wis.          | WTAW         | College Station, Tex. |
| WJMC         | Rice Lake, Wis.     | WOOD         | Grand Rapids, Mich.      | WTAX         | Springfield, Ill.     |
| WJMS         | Ironwood, Mich.     | WOPI         | Bristol, Tenn.           | WTBO         | Cumberland, Md.       |
| WJNO         | W. Palm Beach, Fla. | WOR          | Newark, N. J.            | WTCN         | Minneapolis           |
| WJR          | Detroit             | WORC         | Worcester, Mass.         | WTEL         | Philadelphia          |
| WJRD         | Tuscaloosa, Ala.    | WORK         | York, Pa.                | WTHT         | Hartford, Conn.       |
| WJSV         | Washington, D. C.   | WORL         | Boston, Mass.            | WTIC         | Hartford, Conn.       |
| WJTN         | Jamestown, N. Y.    | WOSU         | Columbus, O.             | WTJS         | Jackson, Tenn.        |
| WJW          | Akron, O.           | WOV          | New York                 | WTMA         | Charleston, S. C.     |
| WJZ          | New York            | WOW          | Omaha, Nebr.             | WTMJ         | Milwaukee             |
| WKAQ         | San Juan, P. R.     | WOWO         | Fort Wayne, Ind.         | WTMV         | East St. Louis, Ill.  |
| WKAR         | E. Lansing, Mich.   | WPAD         | Paducah, Ky.             | WTNJ         | Trenton, N. J.        |
| WKAT         | Miami Beach, Fla.   | WPAP         | Parkersburg, W. Va.      | WTOJ         | Savannah, Ga.         |
| WKBB         | Dubuque, Ia.        | WPAX         | Thomasville, Ga.         | WTOL         | Toledo                |
| WKBH         | La Crosse, Wis.     | WPAY         | Portsmouth, O.           | WTRC         | Elkhart, Ind.         |
| WKBN         | Youngstown, O.      | WPEN         | Philadelphia             | WTRY         | Troy, N. Y.           |
| WKBO         | Harrisburg, Pa.     | WPG          | Atlantic City, N. J.     | WVFW         | Brooklyn              |
| WKBV         | Richmond, Ind.      | WPIC         | Sharon, Pa.              | WWAE         | Hammond, Ind.         |
| WKBW         | Buffalo             | WPIV         | Petersburg, Va.          | WWJ          | Detroit               |
| WKBZ         | Muskegon, Mich.     | WPRA         | Mayaguez, P. R.          | WWL          | New Orleans           |
| WKEU         | Griffin, Ga.        | WPRO         | Providence, R. I.        | WWNC         | Asheville, N. C.      |
| WKOK         | Sunbury, Pa.        | WPRP         | Ponce, P. R.             | WWRL         | Woodside, N. Y.       |
| WKRC         | Cincinnati          | WPTF         | Raleigh, N. C.           | WWSW         | Pittsburgh            |
| WKST         | New Castle, Pa.     | WQAM         | Miami                    | WWVA         | Wheeling, W. Va.      |
| WKY          | Oklahoma City       | WQAN         | Scranton, Pa.            | WXYZ         | Detroit               |
| WKZO         | Kalamazoo, Mich.    |              |                          |              |                       |
| WLAC         | Nashville, Tenn.    |              |                          |              |                       |
| WLAK         | Lakeland, Fla.      |              |                          |              |                       |
| WLAP         | Lexington, Ky.      |              |                          |              |                       |
| WLAW         | Lawrence, Mass.     |              |                          |              |                       |

† Authorized to move to Appleton, Wis.





*W. L. L.*

## TIME ZONE CHART

This map of the world is divided into time zones corresponding to noon standard time in New York. Clocks in Moscow read 7:00 P. M., etc. For precise stations are shown. Use these as reference point



## Map of the WORLD

and shows the various times in other countries  
k. For example: when it's noon in New York, the  
poses of clarity, only the principal short-wave  
s to approximate the locations of other stations.

*[Handwritten signature]*

# KILOCYCLE INDEX

## Broadcasting Stations of U. S.

| Call Letters | City                 | Watts  | Call Letters | City                  | Watts  |
|--------------|----------------------|--------|--------------|-----------------------|--------|
| 550 KC.      |                      |        | 650 KC.      |                       |        |
| KFUO         | St. Louis            | 1,000  | KIRO         | Seattle               | 250    |
| KFYR         | Bismarck, N. D.      | 5,000  | WSM          | Nashville, Tenn.      | 50,000 |
| KOAC         | Corvallis, Ore.      | 1,000  |              |                       |        |
| KSD          | St. Louis            | 5,000  |              |                       |        |
| KTSA         | San Antonio          | 5,000  | WAAW         | Omaha, Nebr.          | 500    |
| WDEV         | Waterbury, Vt.       | 500    | WEAF         | New York              | 50,000 |
| WGR          | Buffalo, N. Y.       | 5,000  |              |                       |        |
| WKRC         | Cincinnati           | 5,000  |              |                       |        |
| WSVA         | Harrisonburg, Va.    | 500    | WMAQ         | Chicago               | 50,000 |
| 560 KC.      |                      |        |              |                       |        |
| KFDM         | Beaumont, Tex.       | 1,000  | KFEQ         | St. Joseph, Mo.       | 2,500  |
| KLZ          | Denver               | 5,000  | KPO          | San Francisco         | 50,000 |
| KSFO         | San Francisco        | 5,000  | WLAW         | Lawrence, Mass.       | 1,000  |
| KWTO         | Springfield, Mo.     | 5,000  | WPTF         | Raleigh, N. C.        | 5,000  |
| WFIL         | Philadelphia         | 1,000  |              |                       |        |
| WIND         | Gary, Ind.           | 5,000  |              |                       |        |
| WIS          | Columbia, S. C.      | 5,000  | WLW          | Cincinnati            | 50,000 |
| WQAM         | Miami, Fla.          | 1,000  |              |                       |        |
| 570 KC.      |                      |        |              |                       |        |
| KGKO         | Fort Worth, Tex.     | 5,000  | KIRO         | Seattle               | 1,000  |
| KMTR         | Los Angeles          | 1,000  | KMPC         | Beverly Hills, Calif. | 500    |
| KVI          | Tacoma, Wash.        | 5,000  | WOR          | Newark, N. J.         | 50,000 |
| WKBN         | Youngstown, O.       | 500    |              |                       |        |
| WMCA         | New York             | 1,000  | WGN          | Chicago               | 50,000 |
| WNAX         | Yankton, S. D.       | 5,000  |              |                       |        |
| WOSU         | Columbus, O.         | 1,000  |              |                       |        |
| WSYR         | Syracuse, N. Y.      | 1,000  | KMMJ         | Clay Center, Neb.     | 1,000  |
| WWNC         | Asheville, N. C.     | 1,000  | KTRB         | Modesto, Calif.       | 250    |
|              |                      |        | WHEB         | Portsmouth, N. H.     | 250    |
|              |                      |        | WSB          | Atlanta               | 50,000 |
| 580 KC.      |                      |        |              |                       |        |
| KMJ          | Fresno, Calif.       | 1,000  |              |                       |        |
| KSAC         | Manhattan, Kan.      | 1,000  |              |                       |        |
| WCHS         | Charleston, W. Va.   | 1,000  | KGU          | Honolulu, Hawaii      | 2,500  |
| WDBO         | Orlando, Fla.        | 5,000  | WJR          | Detroit               | 50,000 |
| WILL         | Urbana, Ill.         | 5,000  |              |                       |        |
| WIBW         | Topeka, Kan.         | 5,000  |              |                       |        |
| WTAG         | Worcester, Mass.     | 1,000  | KXA          | Seattle               | 500    |
|              |                      |        | WEW          | St. Louis             | 1,000  |
|              |                      |        | WJZ          | New York              | 50,000 |
|              |                      |        | WBAL         | Baltimore             | 2,500  |
|              |                      |        | WCAL         | Northfield, Minn.     | 5,000  |
|              |                      |        | WLB          | Minneapolis           | 5,000  |
| 590 KC.      |                      |        |              |                       |        |
| KHQ          | Spokane, Wash.       | 5,000  |              |                       |        |
| WEEL         | Boston               | 5,000  |              |                       |        |
| WKZO         | Kalamazoo, Mich.     | 1,000  |              |                       |        |
| WOW          | Omaha, Nebr.         | 5,000  |              |                       |        |
| 600 KC.      |                      |        |              |                       |        |
| KFSD         | San Diego, Calif.    | 1,000  | KFAB         | Lincoln, Nebr.        | 10,000 |
| WCAO         | Baltimore            | 1,000  | WBBM         | Chicago               | 50,000 |
| WICC         | Bridgeport, Conn.    | 1,000  |              |                       |        |
| WMT          | Cedar Rapids, Ia.    | 5,000  |              |                       |        |
| WREC         | Memphis              | 5,000  |              |                       |        |
| 610 KC.      |                      |        |              |                       |        |
| KFAR         | Fairbanks, Alaska    | 1,000  | KEHE         | Los Angeles           | 5,000  |
| KFRC         | San Francisco        | 5,000  | KFDY         | Brookings, S. D.      | 1,000  |
| WDAF         | Kansas City          | 5,000  | KFQD         | Anchorage, Alaska     | 250    |
| WIOD         | Miami                | 1,000  | KGHL         | Billings, Mont.       | 5,000  |
| WIP          | Philadelphia         | 1,000  | KWLK         | Longview, Wash.       | 250    |
| WCLE         | Cleveland            | 500    | WEAN         | Providence, R. I.     | 5,000  |
|              |                      |        | WMC          | Memphis               | 5,000  |
|              |                      |        | WPIC         | Sharon, Pa.           | 250    |
|              |                      |        | WTAR         | Norfolk, Va.          | 1,000  |
| 620 KC.      |                      |        |              |                       |        |
| KGW          | Portland, Ore.       | 5,000  |              |                       |        |
| KTAR         | Phoenix, Ariz.       | 1,000  |              |                       |        |
| KWFT         | Wichita Falls, Tex.  | 1,000  |              |                       |        |
| WFLA         | Tampa, Fla.          | 5,000  |              |                       |        |
| WSUN         | St. Petersburg, Fla. | 5,000  |              |                       |        |
| WHJB         | Greensburg, Pa.      | 250    | WBAP         | Fort Worth, Tex.      | 50,000 |
| WLBZ         | Bangor, Me.          | 1,000  | WFAA         | Dallas, Tex.          | 50,000 |
| WTMJ         | Milwaukee            | 5,000  | WTBO         | Cumberland, Md.       | 250    |
| 630 KC.      |                      |        |              |                       |        |
| KFRU         | Columbia, Mo.        | 1,000  |              |                       |        |
| KGFX         | Pierre, S. D.        | 200    |              |                       |        |
| WGBF         | Evansville, Ind.     | 1,000  |              |                       |        |
| WMAL         | Washington, D. C.    | 500    |              |                       |        |
| WPRO         | Providence, R. I.    | 1,000  |              |                       |        |
| 640 KC.      |                      |        |              |                       |        |
| KFI          | Los Angeles          | 50,000 |              |                       |        |
| WHKC         | Columbus, O.         | 500    | KOA          | Denver                | 50,000 |
| WOI          | Ames, Ia.            | 5,000  | WEEU         | Reading, Pa.          | 1,000  |
| WGAN         | Portland, Me.        | 500    | WRDH         | Boston                | 1,000  |
|              |                      |        | WRUF         | Gainesville, Fla.     | 5,000  |



# KILOCYCLE INDEX—Broadcasting Stations of U. S. (Cont.)

| Call Letters | City                 | Watts  | Call Letters | City                  | Watts  |
|--------------|----------------------|--------|--------------|-----------------------|--------|
| 850 KC.      |                      |        | 990 KC.      |                       |        |
| KIEV         | Glendale, Calif.     | 250    | WBZ          | Boston                | 50,000 |
| KWKH         | Shreveport, La.      | 10,000 | WBZA         | Springfield, Mass.    | 1,000  |
| WESG         | Elmira, N. Y.        | 1,000  | 1000 KC.     |                       |        |
| WWL          | New Orleans          | 50,000 | KFVD         | Los Angeles           | 1,000  |
| WKAR         | E. Lansing, Mich.    | 1,000  | WHO          | Des Moines            | 50,000 |
| 860 KC.      |                      |        | 1010 KC.     |                       |        |
| WABC         | New York             | 50,000 | KGGF         | Coffeyville, Kan.     | 1,000  |
| WHB          | Kansas City          | 1,000  | KQW          | San Jose, Calif.      | 1,000  |
| 870 KC.      |                      |        | WHN          | New York              | 5,000  |
| WENR         | Chicago              | 50,000 | WNAD         | Norman, Okla.         | 1,000  |
| WLS          | Chicago              | 50,000 | WNOX         | Knoxville, Tenn.      | 5,000  |
| 880 KC.      |                      |        | 1020 KC.     |                       |        |
| KFKA         | Greeley, Colo.       | 1,000  | KYW          | Philadelphia          | 10,000 |
| KLX          | Oakland, Calif.      | 1,000  | WDZ          | Tuscola, Ill.         | 250    |
| KPOF         | Denver               | 1,000  | 1030 KC.     |                       |        |
| WCOC         | Meridian, Miss.      | 1,000  | CKLW         | Detroit-Windsor       | 5,000  |
| WGBI         | Scranton, Pa.        | 1,000  | 1040 KC.     |                       |        |
| WRNL         | Richmond, Va.        | 500    | KRLD         | Dallas                | 10,000 |
| WQAN         | Scranton, Pa.        | 1,000  | KTHS         | Hot Springs, Ark.     | 10,000 |
| WSUI         | Iowa City, Ia.       | 1,000  | KWJJ         | Portland, Ore.        | 500    |
| KVAN         | Vancouver, Wash.     | 250    | KYOS         | Merced, Calif.        | 250    |
| 890 KC.      |                      |        | WESG         | Elmira, N. Y.         | 1,000  |
| KARK         | Little Rock, Ark.    | 1,000  | WTIC         | Hartford, Conn.       | 50,000 |
| KFPF         | Shenandoah, Ia.      | 1,000  | 1050 KC.     |                       |        |
| KFNY         | Spokane, Wash.       | 5,000  | KFBI         | Abilene, Kan.         | 5,000  |
| KUSD         | Vermillion, S. D.    | 500    | KNX          | Los Angeles           | 50,000 |
| WBAA         | West Lafayette, Ind. | 1,000  | WEAU         | Eau Claire, Wis.      | 1,000  |
| WGST         | Atlanta              | 5,000  | WIBC         | Indianapolis          | 1,000  |
| WJAR         | Providence, R. I.    | 5,000  | 1060 KC.     |                       |        |
| WMMN         | Fairmont, W. Va.     | 5,000  | KTHS         | Hot Springs           | 10,000 |
| 900 KC.      |                      |        | KWJJ         | Portland, Ore.        | 500    |
| KGBU         | Ketchikan, Alaska    | 500    | WBAL         | Baltimore             | 10,000 |
| KHJ          | Los Angeles          | 5,000  | WJAG         | Norfolk, Nebr.        | 1,000  |
| KSEI         | Pocatello, Idaho     | 1,000  | WTIC         | Hartford, Conn.       | 50,000 |
| WBEN         | Buffalo, N. Y.       | 5,000  | 1070 KC.     |                       |        |
| WFMD         | Frederick, Md.       | 500    | KJBS         | San Francisco         | 500    |
| WJAX         | Jacksonville, Fla.   | 5,000  | WCAZ         | Carthage, Ill.        | 100    |
| WKY          | Oklahoma City        | 5,000  | WTAM         | Cleveland             | 50,000 |
| WLBL         | Stevens Point, Wis.  | 5,000  | 1080 KC.     |                       |        |
| WTAD         | Quincy, Ill.         | 1,000  | WBT          | Charlotte, N. C.      | 50,000 |
| 920 KC.      |                      |        | WCBD         | Chicago, Ill.         | 5,000  |
| KFEL         | Denver               | 500    | WMBI         | Chicago               | 5,000  |
| KOMO         | Seattle              | 5,000  | 1090 KC.     |                       |        |
| KPRC         | Houston, Tex.        | 5,000  | KMOX         | St. Louis             | 50,000 |
| KVOD         | Denver               | 500    | 1100 KC.     |                       |        |
| WAAF         | Chicago              | 1,000  | KGDM         | Stockton, Calif.      | 1,000  |
| WORL         | Boston, Mass.        | 500    | KWKH         | Shreveport, La.       | 10,000 |
| WPEN         | Philadelphia         | 1,000  | WBIL         | New York              | 5,000  |
| WSPA         | Spartanburg, S. C.   | 1,000  | WPG          | Atlantic City, N. J.  | 5,000  |
| WWJ          | Detroit              | 5,000  | 1110 KC.     |                       |        |
| 930 KC.      |                      |        | KSOO         | Sioux Falls, S. D.    | 5,000  |
| KMA          | Shenandoah, Ia.      | 5,000  | WRVA         | Richmond, Va.         | 5,000  |
| KROW         | Oakland, Calif.      | 1,000  | 1120 KC.     |                       |        |
| WBRC         | Birmingham           | 5,000  | KFIO         | Spokane, Wash.        | 100    |
| WDBJ         | Roanoke, Va.         | 5,000  | KFSG         | Los Angeles           | 2,500  |
| WELI         | New Haven, Conn.     | 500    | KRKD         | Los Angeles           | 2,500  |
| 940 KC.      |                      |        | KRSC         | Seattle               | 250    |
| KOIN         | Portland, Ore.       | 5,000  | KTBC         | Austin, Tex.          | 1,000  |
| WAAT         | Jersey City, N. J.   | 500    | WCOP         | Boston                | 500    |
| WAVE         | Louisville           | 1,000  | WDEL         | Wilmington, Del.      | 500    |
| WCSH         | Portland, Me.        | 2,500  | WJBO         | Baton Rouge           | 500    |
| WDAY         | Fargo, N. D.         | 5,000  | WISN         | Milwaukee             | 1,000  |
| WHA          | Madison, Wis.        | 5,000  | WTAU         | College Station, Tex. | 500    |
| WICA         | Ashtabula, O.        | 250    | 1130 KC.     |                       |        |
| 950 KC.      |                      |        | KSL          | Salt Lake City        | 50,000 |
| KFWB         | Hollywood, Calif.    | 5,000  | WJJD         | Chicago               | 20,000 |
| KMBC         | Kansas City          | 5,000  | WVO          | New York              | 1,000  |
| WRC          | Washington, D. C.    | 5,000  | 1140 KC.     |                       |        |
| WTRY         | Troy, N. Y.          | 1,000  | KVOO         | Tulsa, Okla.          | 25,000 |
| 970 KC.      |                      |        | WAPI         | Birmingham            | 5,000  |
| KJR          | Seattle              | 5,000  | WSPR         | Springfield, Mass.    | 500    |
| WCFL         | Chicago              | 5,000  |              |                       |        |
| WIBG         | Glenside, Pa.        | 100    |              |                       |        |
| 980 KC.      |                      |        |              |                       |        |
| KDKA         | Pittsburgh           | 50,000 |              |                       |        |

# **KILOCYCLE INDEX—Broadcasting Stations of U. S. (Cont.)**

| Call Letters | City                    | Watts  | Call Letters     | City                 | Watts |
|--------------|-------------------------|--------|------------------|----------------------|-------|
| 1150 KC.     |                         |        | 1210 KC. (Cont.) |                      |       |
| WHAM         | Rochester, N. Y.        | 50,000 | KFJI             | Klamath Falls, Ore.  | 100   |
| 1160 KC.     |                         |        | KFOR             | Lincoln, Nebr.       | 250   |
| WOWO         | Fort Wayne, Ind.        | 10,000 | KFPW             | Fort Smith, Ark.     | 100   |
| WWVA         | Wheeling, W. Va.        | 5,000  | KFVS             | Cape Girardeau, Mo.  | 250   |
| 1170 KC.     |                         |        | KFXM             | San Bernardino, Cal. | 100   |
| WCAU         | Philadelphia            | 50,000 | KGLO             | Mason City, Iowa     | 250   |
| 1180 KC.     |                         |        | KGY              | Olympia, Wash.       | 100   |
| KEX          | Portland, Ore.          | 5,000  | KHBG             | Okmulgee, Okla.      | 100   |
| KOB          | Albuquerque, N. M.      | 10,000 | KIUL             | Garden City, Kan.    | 100   |
| WDGY         | Minneapolis             | 5,000  | KLAH             | Carlsbad, N. M.      | 250   |
| WINS         | New York                | 1,000  | KOCA             | Kilgore, Tex.        | 250   |
| WMAZ         | Macon, Ga.              | 5,000  | KPFA             | Helena, Mont.        | 250   |
| 1190 KC.     |                         |        | KPPC             | Pasadena, Calif.     | 100   |
| KTKC         | Visalia, Calif.         | 250    | KROY             | Sacramento, Calif.   | 100   |
| WATR         | Waterbury, Conn.        | 100    | KVSO             | Ardmore, Okla.       | 250   |
| WOAI         | San Antonio, Tex.       | 50,000 | KWJB             | Globe, Ariz.         | 250   |
| WSAZ         | Huntington, W. Va.      | 1,000  | KWTN             | Watertown, S. D.     | 100   |
| 1200 KC.     |                         |        | WALR             | Zanesville, O.       | 100   |
| KADA         | Ada, Okla.              | 100    | WBAX             | Wilkes-Barre, Pa.    | 100   |
| KAST         | Astoria, Ore.           | 250    | WBBL             | Richmond, Va.        | 100   |
| KBTM         | Jonesboro, Ark.         | 100    | WBLV             | Lima, O.             | 100   |
| KELO         | Sioux Falls, S. D.      | 100    | WBRB             | Red Bank, N. J.      | 100   |
| KFJB         | Marshalltown, Ia.       | 250    | WCOL             | Columbus, O.         | 100   |
| KFXD         | Nampa, Idaho            | 250    | WCOU             | Lewiston, Me.        | 100   |
| KFXJ         | Grand Junction, Colo.   | 250    | WCOV             | Montgomery, Ala.     | 100   |
| KGCI         | Coeur d'Alene, Ida.     | 100    | WCRW             | Chicago              | 100   |
| KGDE         | Fergus Falls, Minn.     | 250    | WEBQ             | Harrisburg, Ill.     | 250   |
| KGEK         | Sterling, Colo.         | 100    | WEDC             | Chicago              | 100   |
| KGJF         | Los Angeles             | 100    | WFAS             | White Plains, N. Y.  | 100   |
| KGHI         | Little Rock, Ark.       | 250    | WFOY             | St. Augustine, Fla.  | 250   |
| KGVL         | Greenville, Tex.        | 100    | WGBB             | Freeport, N. Y.      | 100   |
| KMLB         | Monroe, La.             | 250    | WGCM             | Gulfport, Miss.      | 250   |
| KOOS         | Marshfield, Ore.        | 250    | WGNV             | Newburgh, N. Y.      | 100   |
| KSUN         | Lowell, Ariz.           | 250    | WGRM             | Grenada, Miss.       | 250   |
| KVCV         | Redding, Calif.         | 100    | WHAI             | Greenfield, Mass.    | 250   |
| KVEC         | San Luis Obispo, Calif. | 250    | WHBU             | Anderson, Ind.       | 250   |
| KVNU         | Logan, Utah             | 100    | WIBU             | Poynette, Wis.       | 250   |
| KVOS         | Bellingham, Wash.       | 100    | WJBY             | Gadsden, Ala.        | 250   |
| KWG          | Stockton, Calif.        | 100    | WJEJ             | Hagerstown, Md.      | 100   |
| KWNO         | Winona, Minn.           | 250    | WJIM             | Lansing, Mich.       | 250   |
| WABI         | Bangor, Me.             | 250    | WJLS             | Beckley, W. Va.      | 250   |
| WAIM         | Anderson, S. C.         | 100    | WJMC             | Rice Lake, Wis.      | 250   |
| WAYX         | Waycross, Ga.           | 250    | WJTN             | Jamestown, N. Y.     | 250   |
| WBBZ         | Ponca City, Okla.       | 250    | WJW              | Akron, O.            | 250   |
| WBHP         | Huntsville, Ala.        | 100    | WKOK             | Sunbury, Pa.         | 100   |
| WCAT         | Rapid City, S. D.       | 100    | WMFG             | Hibbing, Minn.       | 250   |
| WCAX         | Burlington, Vt.         | 250    | WOCB             | Osterville, Mass.    | 250   |
| WCLO         | Janesville, Wis.        | 250    | WOMT             | Manitowoc, Wis.      | 100   |
| WCPO         | Cincinnati              | 250    | WPAX             | Thomasville, Ga.     | 250   |
| WDSM         | Superior, Wis.          | 100    | WPIV             | Petersburg, Va.      | 250   |
| WENY         | Elmira, N. Y.           | 250    | WRAL             | Raleigh, N. C.       | 250   |
| WEST         | Easton, Pa.             | 250    | WSAY             | Rochester, N. Y.     | 250   |
| WFAM         | South Bend, Ind.        | 100    | WSBC             | Chicago              | 250   |
| WFCT         | Kinston, N. C.          | 250    | WSIX             | Nashville, Tenn.     | 250   |
| WHBC         | Canton, O.              | 100    | WSNJ             | Bridgeton, N. J.     | 100   |
| WHBY         | Green Bay, Wis.         | 250    | WSOC             | Charlotte, N. C.     | 250   |
| WIBX         | Utica, N. Y.            | 250    | WTMA             | Charleston, S. C.    | 250   |
| WIL          | St. Louis               | 250    | WTAX             | Springfield, Ill.    | 100   |
| WJBC         | Bloomington, Ill.       | 250    | 1220 KC.         |                      |       |
| WJBL         | Decatur, Ill.           | 100    | KTMS             | Santa Barbara        | 500   |
| WJBW         | New Orleans             | 100    | KFKU             | Lawrence, Kan.       | 5,000 |
| WJHL         | Johnson City, Tenn.     | 250    | KTW              | Seattle              | 1,000 |
| WJNO         | W. Palm Beach, Fla.     | 250    | KWSC             | Pullman, Wash.       | 5,000 |
| WJRD         | Tuscaloosa, Ala.        | 250    | WCAD             | Canton, N. Y.        | 500   |
| WKBO         | Harrisburg, Pa.         | 250    | WCAE             | Pittsburgh           | 5,000 |
| WLVA         | Lynchburg, Va.          | 250    | WDAE             | Tampa, Fla.          | 5,000 |
| WMFR         | High Point, N. C.       | 100    | WGNV             | Newburgh, N. Y.      | 250   |
| WMPC         | Lapeer, Mich.           | 250    | WREN             | Lawrence, Kan.       | 5,000 |
| WOLS         | Florence, S. C.         | 100    | 1230 KC.         |                      |       |
| WRBL         | Columbus, Ga.           | 250    | KGBX             | Springfield, Mo.     | 500   |
| WSAL         | Salisbury, Md.          | 250    | KGGM             | Albuquerque, N. M.   | 1,000 |
| WTHT         | Hartford, Conn.         | 100    | KYA              | San Francisco        | 5,000 |
| WTOL         | Toledo, O.              | 100    | WFBM             | Indianapolis         | 5,000 |
| WWAE         | Hammond, Ind.           | 100    | WNAC             | Boston               | 5,000 |
| 1210 KC.     |                         |        | WOL              | Washington, D. C.    | 1,000 |
| KALB         | Alexandria, La.         | 250    | 1240 KC.         |                      |       |
| KANS         | Wichita, Kan.           | 100    | KGCU             | Mandan, N. D.        | 250   |
| KASA         | Elk City, Okla.         | 100    | KTAT             | Fort Worth, Tex.     | 1,000 |
| KDLR         | Devils Lake, N. D.      | 250    | KTFI             | Twin Falls, Idaho    | 1,000 |
| KDON         | Monterey, Calif.        | 100    | WHBF             | Rock Island, Ill.    | 1,000 |
|              |                         |        | WKAQ             | San Juan, P. R.      | 1,000 |
|              |                         |        | WXYZ             | Detroit              | 1,000 |

# KILOCYCLE INDEX—Broadcasting Stations of U. S. (Cont.)

| Call Letters | City                 | Watts | Call Letters    | City                 | Watts |
|--------------|----------------------|-------|-----------------|----------------------|-------|
| 1250 KC.     |                      |       | 1310 KC. (Cont) |                      |       |
| KFOX         | Long Beach, Calif.   | 1,000 | KVOL            | Lafayette, La.       | 250   |
| KIT          | Yakima, Wash.        | 1,000 | KVOX            | Moorhead, Minn.      | 250   |
| KXOK         | St. Louis, Mo.       | 1,000 | KWOC            | Poplar Bluff, Mo.    | 100   |
| WAIR         | Winston-Salem, N. C. | 250   | KWOS            | Jefferson City, Mo.  | 250   |
| WDSU         | New Orleans          | 1,000 | KXRO            | Aberdeen, Wash.      | 250   |
| WHBI         | Newark, N. J.        | 2,500 | WAML            | Laurel, Miss.        | 250   |
| WKST         | New Castle, Pa.      | 250   | WBEO            | Marquette, Mich.     | 250   |
| WMRO         | Aurora, Ill.         | 250   | WBOW            | Terre Haute, Ind.    | 250   |
| WNEW         | New York City        | 2,500 | WBRE            | Wilkes-Barre, Pa.    | 250   |
| WTCN         | Minneapolis          | 5,000 | WBRK            | Pittsfield, Mass.    | 250   |
| 1260 KC.     |                      |       | WCLS            | Joliet, Ill.         | 100   |
| KGVO         | Missoula, Mont.      | 5,000 | WCMJ            | Ashland, Ky.         | 250   |
| KHSL         | Chico, Calif.        | 250   | WDAH            | El Paso, Tex.        | 250   |
| KOIL         | Omaha                | 5,000 | WEBR            | Buffalo, N. Y.       | 250   |
| KPAC         | Port Arthur, Tex.    | 500   | WEMP            | Milwaukee            | 100   |
| KRGV         | Weslaco, Tex.        | 1,000 | WEXL            | Royal Oak, Mich.     | 50    |
| KUOA         | Siloam Springs, Ark. | 5,000 | WFBG            | Altoona, Pa.         | 100   |
| KVOA         | Tucson, Ariz.        | 1,000 | WFDF            | Flint, Mich.         | 100   |
| WHIO         | Dayton, O.           | 5,000 | WGAU            | Athens, Ga.          | 250   |
| WNBX         | Springfield, Vt.     | 1,000 | WGH             | Newport News, Va.    | 250   |
| WTOC         | Savannah, Ga.        | 1,000 | WGTM            | Wilson, N. C.        | 100   |
| 1270 KC.     |                      |       | WHAT            | Philadelphia         | 100   |
| KGCA         | Decorah, Ia.         | 100   | WJAC            | Johnstown, Pa.       | 250   |
| KOL          | Seattle              | 5,000 | WLAK            | Lakeland, Fla.       | 250   |
| KVOR         | Colorado Springs     | 1,000 | WLBC            | Muncie, Ind.         | 250   |
| WCLC         | Decorah, Ia.         | 100   | WLNH            | Laconia, N. H.       | 100   |
| WASH         | Grand Rapids, Mich.  | 500   | WMBO            | Auburn, N. Y.        | 250   |
| WFBR         | Baltimore            | 1,000 | WMFF            | Plattsburg, N. Y.    | 250   |
| WJDX         | Jackson, Miss.       | 5,000 | WNBH            | New Bedford, Mass.   | 250   |
| WOOD         | Grand Rapids, Mich.  | 500   | WRAW            | Reading, Pa.         | 100   |
| 1280 KC.     |                      |       | WROL            | Knoxville, Tenn.     | 250   |
| KLS          | Oakland              | 250   | WSAJ            | Grove City, Pa.      | 100   |
| KFBB         | Great Falls, Mont.   | 5,000 | WSAV            | Savannah, Ga.        | 100   |
| WCAM         | Camden, N. J.        | 500   | WSGN            | Birmingham, Ala.     | 250   |
| WCAP         | Asbury Park, N. J.   | 500   | WSJS            | Winston-Salem, N. C. | 100   |
| WDOD         | Chattanooga, Tenn.   | 5,000 | WTAL            | Tallahassee, Fla.    | 250   |
| WIBA         | Madison, Wis.        | 5,000 | WTEL            | Philadelphia         | 100   |
| WORC         | Worcester, Mass.     | 500   | WTJS            | Jackson, Tenn.       | 250   |
| WRR          | Dallas, Tex.         | 500   | WTRC            | Elkhart, Ind.        | 250   |
| WTNJ         | Trenton, N. J.       | 500   | 1320 KC.        |                      |       |
| 1290 KC.     |                      |       | KGHF            | Pueblo, Colo.        | 500   |
| KDYL         | Salt Lake City       | 5,000 | KGMB            | Honolulu, Hawaii     | 1,000 |
| KLCN         | Blytheville, Ark.    | 100   | KID             | Idaho Falls, Idaho   | 5,000 |
| KTRH         | Houston, Tex.        | 5,000 | KRNT            | Des Moines           | 5,000 |
| WEBC         | Duluth, Minn.        | 5,000 | WADC            | Akron, O.            | 5,000 |
| WJAS         | Pittsburgh, Pa.      | 5,000 | WORK            | York, Pa.            | 1,000 |
| WNBZ         | Saranac Lake, N. Y.  | 100   | WSMB            | New Orleans          | 5,000 |
| WNEL         | San Juan, P. R.      | 2,500 | 1330 KC.        |                      |       |
| WATR         | Waterbury, Conn.     | 250   | KGB             | San Diego, Calif.    | 1,000 |
| WJHP         | Jacksonville, Fla.   | 250   | KMO             | Tacoma, Wash.        | 1,000 |
| 1300 KC.     |                      |       | KKRIS           | Corpus Christi, Tex. | 500   |
| KALE         | Portland, Ore.       | 1,000 | KSCJ            | Sioux City, Ia.      | 5,000 |
| KFAC         | Los Angeles          | 1,000 | WDRC            | Hartford, Conn.      | 5,000 |
| KFH          | Wichita, Kan.        | 5,000 | WSAI            | Cincinnati           | 5,000 |
| WBRR         | Brooklyn             | 1,000 | WTAQ            | Green Bay, Wis.      | 1,000 |
| WEVD         | New York             | 1,000 | 1340 KC.        |                      |       |
| WFBC         | Greenville, S. C.    | 5,000 | KDTH            | Dubuque, Iowa        | 500   |
| WHAZ         | Troy, N. Y.          | 1,000 | KGIR            | Butte, Mont.         | 5,000 |
| WHBL         | Sheboygan, Wis.      | 250   | KGNO            | Dodge City, Kan.     | 250   |
| 1310 KC.     |                      |       | WCOA            | Pensacola, Fla.      | 1,000 |
| KAND         | Corsicana, Tex.      | 100   | WFEA            | Manchester, N. H.    | 1,000 |
| KARM         | Fresno, Calif.       | 100   | WFNC            | Fayetteville, N. C.  | 250   |
| KBND         | Bend, Ore.           | 250   | WSPD            | Toledo, O.           | 5,000 |
| KCRJ         | Jerome, Ariz.        | 250   | 1350 KC.        |                      |       |
| KCKN         | Kansas City, Kan.    | 100   | KIDO            | Boise, Idaho         | 2,500 |
| KFPL         | Dublin, Tex.         | 250   | KWK             | St. Louis            | 5,000 |
| KFYO         | Lubbock, Tex.        | 250   | WAWZ            | Zarephath, N. J.     | 1,000 |
| KGEZ         | Kalispell, Mont.     | 100   | WBNX            | New York             | 1,000 |
| KGFW         | Kearney, Nebr.       | 250   | WMBG            | Richmond, Va.        | 500   |
| KHUB         | Watsonville, Calif.  | 250   | 1360 KC.        |                      |       |
| KPDN         | Pampa, Tex.          | 100   | KCRC            | Enid, Okla.          | 250   |
| KOCY         | Oklahoma City, Okla. | 250   | KGER            | Long Beach, Calif.   | 1,000 |
| KOME         | Tulsa, Okla.         | 100   | WCSC            | Charleston, S. C.    | 1,000 |
| KRBA         | Lufkin, Tex.         | 250   | WFBL            | Syracuse, N. Y.      | 5,000 |
| KRMD         | Shreveport, La.      | 250   | WGES            | Chicago              | 1,000 |
| KROC         | Rochester, Minn.     | 100   | WQBC            | Vicksburg, Miss.     | 1,000 |
| KROQ         | Santa Fe             | 250   | WSBT            | South Bend, Ind.     | 500   |
| KRRV         | Sherman, Tex.        | 250   | KLPM            | Minot, N. D.         | 1,000 |
| KSRO         | Santa Rosa, Calif.   | 250   | KSML            | Salem, Ore.          | 500   |
| KSUB         | Cedar City, Utah     | 100   |                 |                      |       |
| KTSM         | El Paso, Tex.        | 250   |                 |                      |       |



# **KILOCYCLE INDEX—Broadcasting Stations of U. S. (Cont.)**

| Call Letters    | City                | Watts | Call Letters    | City                     | Watts |
|-----------------|---------------------|-------|-----------------|--------------------------|-------|
| <b>1370 KC.</b> |                     |       | <b>1410 KC.</b> |                          |       |
| KCMO            | Kansas City, Mo.    | 100   | KFJM            | Grand Forks, N. D.       | 1,000 |
| KEEN            | Seattle.            | 100   | KGNC            | Amarillo, Tex.           | 2,500 |
| KELD            | El Dorado, Ark.     | 100   | WAAB            | Boston                   | 1,000 |
| KERN            | Bakersfield, Calif. | 100   | WBCM            | Bay City, Mich.          | 1,000 |
| KFGQ            | Boone, Ia.          | 100   | WHIS            | Bluefield, W. Va.        | 1,000 |
| KFJZ            | Fort Worth, Tex.    | 250   | WROK            | Rockford, Ill.           | 1,000 |
| KFRO            | Longview, Tex.      | 250   | WSFA            | Montgomery, Ala.         | 1,000 |
| KGAR            | Tucson, Ariz.       | 250   | KMED            | Medford, Ore.            | 250   |
| KGFL            | Roswell, N. M.      | 100   |                 |                          |       |
| KGKL            | San Angelo, Tex.    | 250   | <b>1420 KC.</b> |                          |       |
| KICA            | Clovis, N. M.       | 100   |                 |                          |       |
| KIUN            | Pecos, Tex.         | 100   | KABC            | San Antonio, Tex.        | 250   |
| KIUP            | Durango, Colo.      | 100   | KATE            | Albert Lea, Minn.        | 250   |
| KLUF            | Galveston, Tex.     | 250   | KBPS            | Portland, Ore.           | 100   |
| KMAC            | San Antonio, Tex.   | 250   | KCMC            | Texarkana, Tex.          | 250   |
| KOBH            | Rapid City, S. D.   | 250   | KDNT            | Denton, Tex.             | 100   |
| KOKO            | La Junta, Colo.     | 100   | KEUB            | Price, Utah              | 100   |
| KONO            | San Antonio, Tex.   | 250   | KFAM            | St. Cloud, Minn.         | 250   |
| KRE             | Berkeley, Calif.    | 250   | KFIZ            | Fon du Lac, Wis.         | 100   |
| KRKO            | Everett, Wash.      | 50    | KGFF            | Shawnee, Okla.           | 250   |
| KRMC            | Jamestown, N. D.    | 250   | KGIW            | Alamosa, Colo.           | 100   |
| KSLM            | Salem, Ore.         | 100   | KGLU            | Safford, Ariz.           | 250   |
| KTEM            | Tempe, Tex.         | 250   | KIDW            | Lamar, Colo.             | 100   |
| KTKO            | Oklahoma City       | 100   | KLBM            | La Grande, Ore.          | 250   |
| KTSW            | Emporia, Kan.       | 100   | KNET            | Palestine, Tex.          | 100   |
| KUJ             | Walla Walla, Wash.  | 100   | KORE            | Eugene, Ore.             | 100   |
| KVGB            | Great Bend, Kan.    | 100   | KRBC            | Abilene, Tex.            | 250   |
| KVRS            | Rock Springs, Wyo.  | 250   | KRIC            | Beaumont, Tex.           | 250   |
| KWYO            | Sheridan, Wyo.      | 250   | KRBM            | Bozeman, Mont.           | 250   |
| WABY            | Albany, N. Y.       | 250   | KRLH            | Midland, Tex.            | 100   |
| WAGF            | Dothan, Ala.        | 250   | KSAN            | San Francisco, Calif.    | 100   |
| WATL            | Atlanta             | 250   | KTRI            | Sioux City, Ia.          | 250   |
| WBLK            | Clarksburg, Va.     | 100   | KUMA            | Yuma, Ariz.              | 100   |
| WBNY            | Buffalo, N. Y.      | 250   | KVAK            | Atchison, Kans.          | 100   |
| WBTH            | Williamson, W. Va.  | 100   | KVAL            | Wallace, Ida.            | 250   |
| WBTM            | Danville, Va.       | 250   | KXL             | Portland, Ore.           | 250   |
| WCOS            | Columbia, S. C.     | 250   | KWBG            | Hutchinson, Kans.        | 100   |
| WCBM            | Baltimore           | 250   | WACO            | Waco, Tex.               | 250   |
| WDAS            | Philadelphia        | 250   | WAGM            | Presque Isle, Me.        | 100   |
| WDWS            | Champaign, Ill.     | 250   | WAPQ            | Chattanooga, Tenn.       | 250   |
| WEOA            | Evansville, Ind.    | 250   | WAZL            | Hazlet, Pa.              | 100   |
| WFOR            | Hattiesburg, Miss.  | 100   | WBNO            | New Orleans              | 250   |
| WGL             | Fort Wayne, Ind.    | 250   | WCBS            | Springfield, Ill.        | 250   |
| WGRC            | New Albany, Ind.    | 250   | WCHV            | Charlottesville, Va.     | 250   |
| WHBQ            | Memphis             | 100   |                 |                          |       |
| WHDF            | Calumet, Mich.      | 250   | <b>1420 KC.</b> |                          |       |
| WHLB            | Virginia, Minn.     | 250   |                 |                          |       |
| WHLS            | Port Huron, Mich.   | 250   | WEED            | Rocky Mount, N. C.       | 250   |
| WIBM            | Jackson, Mich.      | 250   | WELL            | Battle Creek, Mich.      | 100   |
| WLLH            | Lowell, Mass.       | 250   | WFMI            | Youngstown, O.           | 100   |
| WMBR            | Jacksonville, Fla.  | 250   | WGNC            | Gastonia, N. C.          | 250   |
| WMFD            | Wilmington, N. C.   | 100   | WGPC            | Albany, Ga.              | 100   |
| WMFO            | Decatur, Ala.       | 100   | WHFC            | Cicero, Ill.             | 250   |
| WMIN            | St. Paul, Minn.     | 250   | WHMA            | Annisston, Ala.          | 100   |
| WOC             | Davenport, Ia.      | 250   | WILM            | Wilmington, Del.         | 100   |
| WPAY            | Portsmouth, O.      | 100   | WJMS            | Ironwood, Mich.          | 100   |
| WPRA            | Mayaguez, P. R.     | 250   | WLAP            | Lexington, Ky.           | 250   |
| WRAC            | Williamsport, Pa.   | 250   | WLEU            | Erie, Pa.                | 250   |
| WRDO            | Augusta, Me.        | 100   | WMAS            | Springfield, Mass.       | 250   |
| WRJN            | Racine, Wis.        | 250   | WMBC            | Detroit                  | 250   |
| WSAU            | Wausau, Wis.        | 250   | WMBH            | Joplin, Mo.              | 250   |
| WSVS            | Buffalo, N. Y.      | 50    | WMBS            | Uniontown, Pa.           | 250   |
|                 |                     |       | WMFD            | Daytona Beach, Fla.      | 100   |
| <b>1380 KC.</b> |                     |       | WPAJ            | Muscle Shoals City, Ala. | 100   |
| KOH             | Reno, Nev.          | 500   | WPAR            | Paducah, Ky.             | 250   |
| KQV             | Pittsburgh          | 1,000 | WPRP            | Parkersburg, W. Va.      | 100   |
| WALA            | Mobile, Ala.        | 1,000 | WSLI            | Ponce, P. R.             | 250   |
| WKBH            | LaCrosse, Wis.      | 1,000 |                 | Jackson, Miss.           | 250   |
| WNBC            | New Britain, Conn.  | 1,000 |                 |                          |       |
| WSMK            | Dayton, O.          | 200   |                 |                          |       |
| <b>1390 KC.</b> |                     |       | <b>1430 KC.</b> |                          |       |
| KOY             | Phoenix, Ariz.      | 1,000 | KECA            | Los Angeles, Calif.      | 5,000 |
| KLRA            | Little Rock, Ark.   | 5,000 | KGNF            | North Platte, Nebr.      | 1,000 |
| KRLC            | Lewiston, Ida.      | 250   | KINY            | Juneau, Alaska           | 250   |
| WHK             | Cleveland           | 2,500 | KSO             | Des Moines, Ia.          | 5,000 |
| WQDM            | St. Albans, Vt.     | 1,000 | WBNS            | Columbus, O.             | 5,000 |
| KABR            | Aberdeen, S. D.     | 1,000 | WHEC            | Rochester, N. Y.         | 1,000 |
|                 |                     |       | WHP             | Harrisburg, Pa.          | 1,000 |
|                 |                     |       | WMPS            | Memphis                  | 1,000 |
|                 |                     |       | WOKO            | Albany, N. Y.            | 1,000 |
| <b>1400 KC.</b> |                     |       |                 |                          |       |
| KHBC            | Hilo, Hawaii        | 250   |                 |                          |       |
| KLO             | Ogden, Utah         | 500   |                 |                          |       |
| KTUL            | Tulsa, Okla.        | 5,000 | KDFN            | Casper, Wyo.             | 500   |
| WARD            | Brooklyn            | 500   | KELA            | Centralia, Wash.         | 500   |
| WBBC            | Brooklyn            | 500   | KXYZ            | Houston, Tex.            | 1,000 |
| WHDL            | Olean, N. Y.        | 250   | WBIG            | Greensboro, N. C.        | 1,000 |
| WIRE            | Indianapolis        | 5,000 | WCBA            | Allentown, Pa.           | 500   |
| WLTH            | Brooklyn            | 500   | WMBD            | Peoria, Ill.             | 5,000 |
| WVFW            | Brooklyn            | 500   | WSAN            | Allentown, Pa.           | 500   |
|                 |                     |       |                 |                          |       |
|                 |                     |       | <b>1440 KC.</b> |                          |       |
|                 |                     |       |                 |                          |       |

## KILOCYCLE INDEX—Broadcasting Stations of U. S. (Cont.)

| Call Letters | City                      | Watts  | Call Letters     | City                      | Watts |
|--------------|---------------------------|--------|------------------|---------------------------|-------|
| 1450 KC.     |                           |        | 1500 KC. (Cont.) |                           |       |
| KCMO         | Kansas City.....          | 1,000  | KROD             | El Paso, Tex.....         | 100   |
| KGCX         | Wolf Point, Mont.....     | 1,000  | KSAL             | Salina, Kan.....          | 250   |
| KIEM         | Eureka, Calif.....        | 1,000  | KSAM             | Huntsville, Tex.....      | 100   |
| KTBS         | Shreveport, La.....       | 1,000  | KTOH             | Lihue, Hawaii.....        | 250   |
| WAGA         | Atlanta, Ga.....          | 1,000  | KUTA             | Salt Lake City, Utah..... | 100   |
| WGAR         | Cleveland.....            | 5,000  | KVOE             | Santa Ana, Calif.....     | 100   |
| WHOM         | Jersey City, N. J.....    | 250    | KVWC             | Vernon, Tex.....          | 100   |
| WSAR         | Fall River, Mass.....     | 1,000  | KWEW             | Hobbs, N. M.....          | 100   |
| 1460 KC.     |                           |        | KXO              | El Centro, Calif.....     | 100   |
| KSTP         | Minneapolis-St. Paul..... | 25,000 | KYCA             | Prescott.....             | 250   |
| WJSP         | Washington, D. C.....     | 10,000 | KYSM             | Mankato, Minn.....        | 250   |
| 1470 KC.     |                           |        | WCNW             | Brooklyn, N. Y.....       | 250   |
| KGA          | Spokane, Wash.....        | 5,000  | WDAN             | Danville, Ill.....        | 250   |
| WLAC         | Nashville, Tenn.....      | 5,000  | WDNC             | Durham, N. C.....         | 100   |
| WMEX         | Boston.....               | 5,000  | WGAL             | Lancaster, Pa.....        | 250   |
| 1480 KC.     |                           |        | WGIL             | Galesburg, Ill.....       | 250   |
| KOMA         | Oklahoma City.....        | 5,000  | WGKV             | Charleston, W. Va.....    | 100   |
| WKBW         | Buffalo, N. Y.....        | 5,000  | WHBB             | Selma, Ala.....           | 100   |
| WHIP         | Hammond, Ind.....         | 5,000  | WJBK             | Detroit.....              | 250   |
| 1490 KC.     |                           |        | WKAT             | Miami Beach, Fla.....     | 250   |
| KFBK         | Sacramento, Calif.....    | 10,000 | WKBB             | Dubuque, Ia.....          | 250   |
| WCKY         | Cincinnati.....           | 10,000 | WKBB             | Dubuque, Ia.....          | 250   |
| 1500 KC.     |                           |        | WKBV             | Richmond, Ind.....        | 100   |
| KAWM         | Gallup, N. M.....         | 250    | WKBZ             | Muskegon, Mich.....       | 250   |
| KBIX         | Muskogee, Okla.....       | 100    | WKEU             | Griffin, Ga.....          | 100   |
| KBKR         | Baker, Ore.....           | 250    | WMEX             | Boston.....               | 250   |
| KBST         | Big Spring, Tex.....      | 100    | WNBK             | Binghamton, N. Y.....     | 250   |
| KDAL         | Duluth, Minn.....         | 100    | WNLC             | New London, Conn.....     | 100   |
| KDB          | Santa Barbara, Calif..... | 250    | WOMI             | Owensboro, Ky.....        | 250   |
| KFDA         | Amarillo, Tex.....        | 100    | WOPI             | Bristol, Tenn.....        | 100   |
| KGFI         | Brownsville, Tex.....     | 250    | WRGA             | Rome, Ga.....             | 250   |
| KGKB         | Tyler, Tex.....           | 250    | WRDW             | Augusta, Ga.....          | 250   |
| KGKY         | Scotts Bluff, Nebr.....   | 250    | WRKL             | Rock Hill, S. C.....      | 100   |
| KNEL         | Brady, Tex.....           | 250    | WRTD             | Richmond, Va.....         | 100   |
| KNOW         | Austin, Tex.....          | 100    | WSTP             | Salisbury, N. C.....      | 250   |
| KOTN         | Pine Bluff, Ark.....      | 100    | WSYB             | Rutland, Vt.....          | 100   |
| KOVC         | Valley City, N. D.....    | 250    | WTMV             | East St. Louis, Ill.....  | 250   |
| KPAB         | Laredo, Tex.....          | 250    | WWRL             | Woodsade, N. Y.....       | 250   |
| KPLC         | Lake Charles, La.....     | 250    | WWSW             | Pittsburgh.....           | 250   |
| KPLT         | Paris, Tex.....           | 250    | 1530 KC.         |                           |       |
| KPQ          | Wenatchee, Wash.....      | 250    | WBRY             | Waterbury, Conn.....      | 1,000 |
| KRNR         | Roseburg, Ore.....        | 250    | KITE             | Kansas City.....          | 1,000 |
|              |                           |        | 1550 KC.         |                           |       |
|              |                           |        | WOXR             | New York City.....        | 1,000 |
|              |                           |        | KPMC             | Bakersfield, Calif.....   | 1,000 |

## MEXICO—Standard Broadcast Stations

| City                   | Call Letters | Frequency in Kilocycles | Power in Watts | City             | Call Letters | Frequency in Kilocycles | Power in Watts |
|------------------------|--------------|-------------------------|----------------|------------------|--------------|-------------------------|----------------|
| Aguaascalientes.....   | XEBI         | 1000                    | 25             | Juarez.....      | XEF          | 1450                    | 100            |
| Cananea.....           | XEFQ         | 1010                    | 50             | Juarez.....      | XEFV         | 1210                    | 50             |
| Chihuahua.....         | XEBU         | 1240                    | 50             | Juarez.....      | XEJ          | 1020                    | 1,000          |
| Chihuahua.....         | XEFI         | 1440                    | 250            | Juarez.....      | XEP          | 1160                    | 500            |
| Corloba.....           | XEAG         | 1310                    | 10             | Leon.....        | XEFM         | 1160                    | 20             |
| Durango.....           | XEBP         | 1150                    | 250            | Leon.....        | XEKL         | 1240                    | 500            |
| Durango.....           | XEE          | 1210                    | 50             | Matamoros.....   | XEAM         | 750                     | 25             |
| Guadalajara.....       | XEA          | 1060                    | 125            | Mazatlan.....    | XEBL         | 1220                    | 50             |
| Guadalajara.....       | XED          | 1160                    | 2,500          | Merida.....      | XEFC         | 1340                    | 100            |
| General Anaya.....     | XEDA         | 1220                    | 200            | Merida.....      | XEME         | 1240                    | 50             |
| Guaymas.....           | XEDR         | 1490                    | 100            | Merida.....      | XEZ          | 630                     | 500            |
| Guzman.....            | XEBA         | 1080                    | 20             | Mexicali.....    | XEAA         | 750                     | 200            |
| Hermosillo.....        | XEBH         | 930                     | 500            | Mexicali.....    | XEAO         | 660                     | 250            |
| Hidalgo del Parral.... | XEAT         | 1210                    | 250            | Mexicali.....    | XECL         | 960                     | 1,000          |
| Irapuato.....          | XEBO         | 1310                    | 25             | Mexico City..... | XEAI         | 1250                    | 500            |

## MEXICO—(CONTINUED)

| City            | Call Letters | Frequency in Kilocycles | Power in Watts | City        | Call Letters | Frequency in Kilocycles | Power in Watts |
|-----------------|--------------|-------------------------|----------------|-------------|--------------|-------------------------|----------------|
| Mexico City     | XEAL         | 660                     | 1,000          | Tia Juana   | XEAC         | 980                     | 1,000          |
| Mexico City     | XEAP         | 1340                    | 50             | Tia Juana   | XELO         | 670                     | 50,000         |
| Mexico City     | XEB          | 1030                    | 10,000         | Tia Juana   | XEBG         | 820                     | 1,000          |
| Mexico City     | XEBS         | 1340                    | 200            | Tia Juana   | XEC          | 1150                    | 100            |
| Mexico City     | XEBZ         | 810                     | 100            | Tia Juana   | XEMO         | 860                     | 5,000          |
| Mexico City     | XEFO         | 940                     | 5,000          | Tia Juana   | XEOK         | 760                     | 200            |
| Mexico City     | XEJP         | 1130                    | 100            | Toluca      | XEAB         | 1060                    | 250            |
| Mexico City     | XEJW         | 870                     | 500            | Torreon     | XETB         | 1310                    | 500            |
| Mexico City     | XEK          | 990                     | 100            | Vera Cruz   | XETF         | 1220                    | 12             |
| Mexico City     | XEL          | 1150                    | 250            | Vera Cruz   | XEU          | 1010                    | 250            |
| Mexico City     | XELZ         | 1370                    | 100            | Villa Acuna | XERA         | 840                     | 250,000        |
| Mexico City     | XEMX         | 1280                    | 100            | Villa Acuna | XEDH         | 1340                    | 200            |
| Mexico City     | XEN          | 780                     | 1,000          | Zucatecas   | XEAZ         | 1080                    | 20             |
| Mexico City     | XERC         | 870                     | 500            |             |              |                         |                |
| Mexico City     | XEW          | 890                     | 100,000        |             |              |                         |                |
| Minatitlan      | XEDW         | 1150                    | 20             |             |              |                         |                |
| Monterey        | XEFB         | 870                     | 200            |             |              |                         |                |
| Monterey        | XEG          | 1230                    | 250            |             |              |                         |                |
| Monterey        | XEH          | 720                     | 250            |             |              |                         |                |
| Monterey        | XET          | 690                     | 5,000          |             |              |                         |                |
| Monterey        | XEX          | 1310                    | 125            |             |              |                         |                |
| Morelia         | XEI          | 1370                    | 125            |             |              |                         |                |
| Nogales         | XEAF         | 990                     | 750            |             |              |                         |                |
| Nuevo Laredo    | XEBK         | 1080                    | 100            |             |              |                         |                |
| Nuevo Laredo    | XEDF         | 810                     | 100            |             |              |                         |                |
| Nuevo Laredo    | XEFE         | 980                     | 250            |             |              |                         |                |
| Nuevo Laredo    | XENT         | 910                     | 150,000        |             |              |                         |                |
| Piedras Negras  | XEMU         | 580                     | 250            |             |              |                         |                |
| Piedras Negras  | XEPN         | 730                     | 100,000        |             |              |                         |                |
| Puebla          | XETH         | 1210                    | 100            |             |              |                         |                |
| Reynosa         | XEAW         | 960                     | 100,000        |             |              |                         |                |
| Sabinas         | XEBX         | 640                     | 250            |             |              |                         |                |
| Saltillo        | XEAS         | 1160                    | 1,000          |             |              |                         |                |
| San Luis Potosi | XECZ         | 1370                    | 100            |             |              |                         |                |
| Tampico         | XEFW         | 1310                    | 300            |             |              |                         |                |
| Tampico         | XECA         | 1230                    | 250            |             |              |                         |                |
| Tampico         | XES          | 990                     | 250            |             |              |                         |                |

### SHORT WAVE STATIONS

|             |      |               |        |
|-------------|------|---------------|--------|
| Guadalajara | XECU | 6075          | 45     |
| Guadalajara | XEDQ | 9520          | 100    |
| Hermosillo  | XEBR | 11820         | 150    |
| Jalapa      | XEBF | 6090          | 100    |
| Mexico City | XEBT | 6000          | 500    |
| Mexico City | XEUZ | 6130<br>11880 | 100    |
| Mexico City | XEWW | 9500          | 10,000 |
| Monterey    | XETA | 11760         | 1,000  |
| Tampico     | XETW | 6045          | 100    |
| Vera Cruz   | XEFT | 9550          | 12     |
| Vera Cruz   | XEUW | 6020          | 20     |

### OFFICIAL STATIONS

|             |      |               |        |
|-------------|------|---------------|--------|
| Jalapa      | XEXB | 1270          | 250    |
| Jalapa      | XEXD | 1340          | 350    |
| Mexico City | XECR | 7380          | 20,000 |
| Mexico City | XEDP | 1080          | 500    |
| Mexico City | XEXA | 6133<br>11880 | 100    |
| Mexico City | XEXX | 1170          | 1,000  |
| Texcoco     | XEXE | 1270          | 17     |

## CANADA—Standard Broadcast Stations

| City           | Call Letters | Frequency in Kilocycles | Power in Watts | City                    | Call Letters | Frequency in Kilocycles | Power in Watts |
|----------------|--------------|-------------------------|----------------|-------------------------|--------------|-------------------------|----------------|
| <b>ALBERTA</b> |              |                         |                | <b>BRITISH COLUMBIA</b> |              |                         |                |
| Calgary        | CFAC         | 930                     | 1,000          | Chilliwack              | CHWK         | 780                     | 100            |
| Calgary        | CFCN         | 1030                    | 10,000         | Kamloops                | CFJC         | 880                     | 1,000          |
| Calgary        | CJCJ         | 690                     | 100            | Kelowna                 | CKOV         | 630                     | 100            |
| Edmonton       | CFRN         | 960                     | 100            | Nelson                  |              | 1420                    | 100            |
| Edmonton       | CJCA         | 730                     | 1,000          | Prince Rupert           | CFPR         | 580                     | 50             |
| Edmonton       | CKUA         | 580                     | 500            | Trail                   | CJAT         | 910                     | 1,000          |
| Grand Prairie  | CFGP         | 1200                    | 100            | Vancouver               | CBR          | 1100                    | 5,000          |
| Lethbridge     | CJOC         | 950                     | 100            | Vancouver               | CJOR         | 600                     | 500            |

## CANADA—(CONTINUED)

| City                                | Call Letters | Frequency in Kilocycles | Power in Watts | City               | Call Letters | Frequency in Kilocycles | Power in Watts |
|-------------------------------------|--------------|-------------------------|----------------|--------------------|--------------|-------------------------|----------------|
| <b>BRITISH COLUMBIA (Continued)</b> |              |                         |                |                    |              |                         |                |
| Vancouver                           | CKCD         | 1010                    | 100            | Sault Ste. Marie   | CJIC         | 1500                    | 100            |
| Vancouver                           | CKFC         | 1410                    | 50             | Stratford          | CJCS         | 1210                    | 50             |
| Vancouver                           | CKMO         | 1410                    | 100            | Sudbury            | CKSO         | 780                     | 1,000          |
| Vancouver                           | CKWX         | 1010                    | 100            | Timmins            | CKGB         | 1420                    | 100            |
| Victoria                            | CFCT         | 1450                    | 500            | Toronto            | CBL          | 840                     | 50,000         |
|                                     |              |                         |                | Toronto            | CBY          | 960                     | 100            |
|                                     |              |                         |                | Toronto            | CFRB         | 690                     | 10,000         |
|                                     |              |                         |                | Toronto            | CKCL         | 580                     | 100            |
|                                     |              |                         |                | Waterloo-Kitchener | CKCR         | 1510                    | 100            |
|                                     |              |                         |                | Windsor            | CKLW         | 1030                    | 5,000          |
|                                     |              |                         |                | Wingham            | CKNX         | 1200                    | 100            |

### MANITOBA

|           |      |      |        |
|-----------|------|------|--------|
| Brandon   | CKX  | 1120 | 1,000  |
| Flin Flon | CFAR | 1370 | 100    |
| Winnipeg  | CJRC | 630  | 1,000  |
| Winnipeg  | CKY  | 910  | 15,000 |

### NEW BRUNSWICK

|             |      |      |        |
|-------------|------|------|--------|
| Fredericton | CFNB | 550  | 1,000  |
| Moncton     | CKCW | 1370 | 100    |
| Sackville   | CBA  | 1050 | 50,000 |
| Saint John  | CHSJ | 1120 | 1,000  |

### NOVA SCOTIA

|           |      |      |       |
|-----------|------|------|-------|
| Halifax   | CHNS | 930  | 1,000 |
| Halifax   | CJHC | 1290 | 1,000 |
| Sydney    | CJCB | 1240 | 1,000 |
| Wolfville | CKIC | 1010 | 50    |
| Yarmouth  | CJLS | 1310 | 100   |

### ONTARIO

|                |      |      |       |
|----------------|------|------|-------|
| Brantford      | CKPC | 930  | 100   |
| Chatham        | CFCO | 630  | 100   |
| Cobalt         | CKMC | 1210 | 100   |
| Fort William   | CKPR | 730  | 1,000 |
| Port Arthur    |      |      |       |
| Hamilton       | CHML | 1010 | 100   |
| Hamilton       | CKOC | 1120 | 1,000 |
| Kenora         | CKCA | 1420 | 100   |
| Kingston       | CFRC | 1510 | 100   |
| Kirkland Lake  | CJKL | 1310 | 100   |
| London         | CFPL | 730  | 100   |
| North Bay      | CFCH | 930  | 100   |
| Ottawa         | CBO  | 880  | 1,000 |
| Ottawa         | CKCO | 1010 | 100   |
| Owen Sound     | CFOS | 1370 | 100   |
| Prescott       | CFLC | 930  | 100   |
| St. Catharines | CKTB | 1200 | 100   |

### PRINCE EDWARD ISLAND

|               |      |      |       |
|---------------|------|------|-------|
| Charlottetown | CFCY | 630  | 1,000 |
| Charlottetown | CHCK | 1310 | 50    |
| Summerside    | CHGS | 1450 | 50    |

### QUEBEC

|                 |      |      |        |
|-----------------|------|------|--------|
| Chicoutimi      | CBJ  | 1120 | 100    |
| Hull            | CKCH | 1210 | 100    |
| Montreal        | CBF  | 910  | 50,000 |
| Montreal        | CBM  | 1050 | 5,000  |
| Montreal        | CFCF | 600  | 500    |
| Montreal        | CHLP | 1120 | 100    |
| Montreal        | CKAC | 730  | 5,000  |
| New Carlisle    | CHNC | 610  | 1,000  |
| Quebec          | CBV  | 950  | 1,000  |
| Quebec          | CHRC | 580  | 100    |
| Quebec          | CKCV | 1310 | 100    |
| Rimouski        | CJBR | 1030 | 1,000  |
| Rouyn           | CKRN | 1370 | 100    |
| Ste. Anne de la | CHGB | 1200 | 100    |
| Pocatiere       |      |      |        |
| Sherbrooke      | CHLT | 1210 | 250    |
| Three Rivers    | CHLN | 1420 | 100    |

### SASKATCHEWAN

|                  |      |      |        |
|------------------|------|------|--------|
| Moose Jaw        | CHAB | 1200 | 100    |
| North Battleford | CHNB | 1420 | 100    |
| Prince Albert    | CKBI | 1210 | 100    |
| Regina           | CJRM | 540  | 1,000  |
| Regina           | CKCK | 1010 | 1,000  |
| Saskatoon        | CBK  | 540  | 50,000 |
| Saskatoon        | CFQC | 840  | 1,000  |
| Yorkton          | CJGX | 1390 | 100    |





# MUNICIPAL POLICE STATIONS

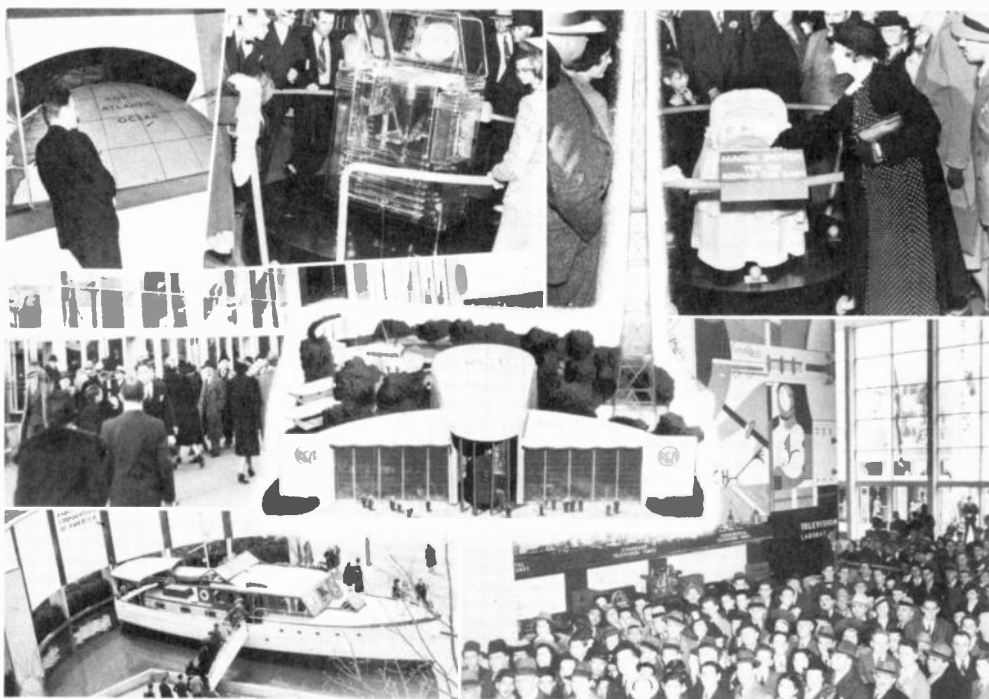
| Call Letters | Location                              | Freq'cy Kcs. | Call Letters | Location             | Freq'cy Kcs. | Call Letters | Location              | Freq'cy Kcs. |
|--------------|---------------------------------------|--------------|--------------|----------------------|--------------|--------------|-----------------------|--------------|
| KGZV         | Aberdeen, Wash.                       | 2414         | WOLF         | Cambridge, Mass.     | 33100        | KADV         | Eugene, Ore.          | 2442         |
| KADR         | Abilene, Texas                        | 2458         | WQNI         | Camden, N. J.        | 37100        | WQLO         | Evanston, Ill.        | 33940        |
| WQNW         | Abington, Pa.                         | 33940        | WQKW         | Canton, Ohio         | 33100        | WQKB         | Evansville, Ind.      | 30700        |
| KNHC         | Ada, Okla.                            | 2450         | QKBS         | Cape Girardeau, Mo.  | 31100        | KNFP         | Everett, Mass.        | 1712         |
| WPDO         | Akron, Ohio                           | 2458         | WPHY         | Elizabethton, Tenn.  | 2474         | WKFV         | Everett, Wash.        | 2414         |
| KPDA         | Fairmont Hospital<br>Property, Calif. | 1658         | KGOZ         | Cedar Rapids, Iowa   | 2466         | WPHJ         | Fairmont, W. Va.      | 2490         |
| KQBR         | Alameda, Calif.                       | 30700        | KGHW         | Centralia, Wash.     | 2414         | WAKV         | Fort River, Mass.     | 1712         |
| WPGH         | Albany, N. Y.                         | 2414         | WQIB         | Champaign, Ill.      | 31500        | KNHM         | Fargo, N. D.          | 2442         |
| KGZX         | Albuquerque, N. M.                    | 2414         | KGZF         | Chanute, Kan.        | 2450         | WPHA         | Fitchburg, Mass.      | 2466         |
| WAVA         | Alexandria, Va.                       | 31100        | WCPD         | Charleston, S. C.    | 2430         | WPDF         | Flint, Mich.          | 2466         |
| KQAH         | Alhambra, Calif.                      | 31500        | WPHI         | Charleston, W. Va.   | 2490         | WAKO         | Fort Lauderdale, Fla. | 2442         |
| WQJZ         | Allentown, Pa.                        | 37100        | WPDV         | Charlotte, N. C.     | 2485         | KNHE         | Fort Smith, Ark.      | 2406         |
| WQKV         | Alpena, Mich.                         | 31500        | WQTE         | Charlottesville, Va. | 33940        | KQAN         | Fort Worth, Texas     | 33100        |
| WQSR         | Alton, Ill.                           | 30700        | WRCK         | Chattanooga, Tenn.   | 33100        | WPDZ         | Fort Wayne, Ind.      | 2490         |
| KACL         | Altus, Okla.                          | 2450         | KACJ         | Wenatchee, Wash.     | 2414         | WAKK         | Frankfort, Ind.       | 2490         |
| KQDH         | Amarillo, Texas                       | 31500        | WQON         | Elkins Park, Pa.     | 37100        | WMPK         | Freemont, Ohio        | 2474         |
| WMP1         | Anderson, Ind.                        | 2442         | WPDB         | Chicago, Ill.        | 1712         | KGZA         | Fresno, Calif.        | 2414         |
| WQRK         | Ann Arbor, Mich.                      | 33500        | WPDC         | Chicago, Ill.        | 1712         | WQIG         | Gadsden, Ala.         | 33100        |
| WRBD         | Anniston, Ala.                        | 33100        | WPDD         | Chicago, Ill.        | 1712         | WQFC         | Gainesville, Fla.     | 2466         |
| KQAP         | Arcadia, Calif.                       | 33500        | WQJF         | Chicago, Ill.        | 31100        | KADM         | Gainesville, Texas    | 1712         |
| KARD         | Ardmore, Okla.                        | 2450         | WQXZ         | Chicago Hghts., Ill. | 31500        | KNFH         | Garden, City, Kan.    | 2474         |
| WPED         | Arlington, Mass.                      | 1712         | KACF         | Chickasha, Okla.     | 2450         | WQKO         | Garden City, N. Y.    | 37100        |
| WSAG         | Ashland, Ky.                          | 2430         | WKDU         | Cincinnati, Ohio     | 1706         | KRPW         | Galveston, Texas      | 1712         |
| KACA         | Atchison, Kan.                        | 2422         | WFPF         | Clarksburg, W. Va.   | 2490         | WRAB         | Gary, Ind.            | 39100        |
| WPDY         | Atlanta, Ga.                          | 2414         | WQRD         | Clairton, Pa.        | 31500        | WQNZ         | Gastonia, N. C.       | 37100        |
| WQIY         | Atlantic City, N. J.                  | 33100        | KNGE         | Cleburne, Texas      | 1712         | WQOU         | Geneva, N. Y.         | 31500        |
| WPDN         | Auburn, N. Y.                         | 2382         | KAPE         | Norman, Oklahoma     | 2450         | WQLN         | Glencoe, Ill.         | 35900        |
| WQFV         | Augusta, Ga.                          | 2414         | WRBH         | Cleveland, Ohio      | 2458         | KQCI         | Glendale, Calif.      | 33940        |
| W9XO         | Aurora, Ill.                          | 33100        | KNFA         | Cleveland, Ohio      | 2458         | KASG         | Willows, Calif.       | 2422         |
| KQBG         | Austin, Minn.                         | 37100        | KGZP         | Cloyis, N. M.        | 2414         | KQAV         | Grand Island, Neb.    | 33100        |
| KGHU         | Austin, Texas                         | 2442         | WPGU         | Coffeyville, Kan.    | 2450         | WPEB         | Grand Rapids, Mich.   | 2442         |
| WPFH         | Baltimore, Md.                        | 2414         | WQNG         | Cohasset, Mass.      | 1712         | WQYC         | Granite City, Ill.    | 31100        |
| WQTL         | Falmouth, Mass.                       | 39900        | KODE         | Collingswood, N. J.  | 33500        | KPGF         | Great Falls, Mont.    | 2406         |
| WQTM         | Harwich, Mass.                        | 3990         | KQDE         | Columbia, Mo.        | 30700        | KACU         | Longview, Texas       | 1712         |
| WRAG         | Bourne, Mass.                         | 39900        | WCMP         | Columbia, S. C.      | 2430         | KPDG         | Greeley, Colo.        | 2442         |
| WRAR         | Barnstable, Mass.                     | 39900        | WPFI         | Columbus, Ga.        | 2414         | KNHB         | Green Bay, Wis.       | 2383         |
| WRAQ         | Kings Highway,<br>Barnstable, Mass.   | 39900        | KQAO         | Compton, Calif.      | 33100        | WQKZ         | Greenburgh, N. Y.     | 33100        |
| WBRR         | Baton Rouge, La.                      | 2430         | WRAC         | Concord, Mass.       | 35900        | WQMR         | Greensboro, N. C.     | 37100        |
| WPGA         | Bay City, Mich.                       | 2466         | WQNE         | Concord, N. C.       | 33100        | WMPG         | Greenville, Miss.     | 2490         |
| WQXN         | Bayonne, N. J.                        | 33500        | WAMB         | Connerville, Ind.    | 2442         | WQLG         | Greenville, S. C.     | 33100        |
| WQOB         | Beaver, Pa.                           | 37100        | KQCE         | Martinez, Calif.     | 30700        | WOLE         | Greenville, Conn.     | 39900        |
| KGPJ         | Beaumont, Texas                       | 37220        | KGHV         | Corpus Christi, Tex. | 2382         | WQMT         | Grosse Pointe, Mich.  | 37100        |
| WBIP         | Bedford, Ind.                         | 2442         | KBJA         | Cosby, Wash.         | 2414         | WRDR         | Guthrie, Okla.        | 2450         |
| WQTG         | Belleville, Ill.                      | 37100        | WQMC         | Cranford, N. J.      | 35900        | KGOP         | Hackensack, N. J.     | 37500        |
| KACK         | Bellingham, Wash.                     | 2414         | WPGK         | Cranston, R. I.      | 2466         | WRBJ         | Haddonfield, N. J.    | 39500        |
| WQNT         | Belmar, N. J.                         | 37100        | WRAU         | Danvers, Mass.       | 33100        | WRAN         | Haddon Hts., N. J.    | 35900        |
| WAKL         | St. Clairsville, Ohio                 | 2430         | WCIP         | Dawsonville, Ind.    | 2442         | WQOX         | Hamilton, Ohio        | 37100        |
| WPFK         | Hackensack, N. J.                     | 2430         | KPDC         | Culver City, Calif.  | 1712         | WQYK         | Hammond, Ind.         | 30700        |
| KSW          | Berkeley, Calif.                      | 1658         | KAPB         | Cushing, Okla.       | 2450         | WQTD         | Hamtramck, Mich.      | 37900        |
| WQJJ         | Bethlehem, Pa.                        | 33500        | KVP          | Dallas, Texas        | 1712         | WRAO         | Wierton, W. Va.       | 33100        |
| KQAI         | Beverly Hills, Calif.                 | 37100        | KVPA         | Dallas, Texas        | 1712         | WQOD         | Harrisburg, Pa.       | 37900        |
| KACM         | Big Spring, Texas                     | 2458         | WRAU         | Danvers, Mass.       | 33100        | WQLX         | Harrison, N. Y.       | 37500        |
| W9GL         | Binghamton, N. Y.                     | 2442         | WQYB         | Darien, Conn.        | 37100        | WQRC         | Hartford, Conn.       | 35900        |
| WPFM         | Birmingham, Ala.                      | 2382         | KGPN         | Davenport, Iowa      | 2466         | WQOR         | Brookline, Pa.        | 31100        |
| WAKH         | Bloomfield, N. J.                     | 2430         | WQDM         | Dayton, Ohio         | 2430         | WQTK         | Haverstraw, N. Y.     | 31100        |
| WQOG         | Bloomfield Hills,<br>Mich.            | 31100        | WQOQ         | Deal, N. J.          | 33100        | KADK         | Hilo, Hawaii          | 1682         |
| WQRI         | Bloomington, Ill.                     | 31900        | WQNC         | Dearborn, Mich.      | 33100        | KHMP         | Helena, Mont.         | 2406         |
| WBPD         | Bloomington, Ind.                     | 2442         | WQND         | Dearborn, Mich.      | 33100        | WQKP         | Hempstead, N. Y.      | 39500        |
| WBVV         | Bluefield, W. Va.                     | 2490         | WQTF         | Decatur, Ill.        | 33100        | WQTT         | Henderson, Ky.        | 31500        |
| WAMI         | Bluffton, Ind.                        | 2490         | KQAT         | Denison, Texas       | 31500        | WAKN         | Herkimer, N. Y.       | 2414         |
| KPBA         | Blytheville, Ark.                     | 2466         | KNHF         | Denton, Texas        | 1712         | WQRE         | Highland, Park, Ill.  | 35900        |
| KQBD         | Boise, Idaho                          | 33100        | KGPK         | Denver, Colo.        | 2442         | WMO          | Highland Pk., Mich.   | 2414         |
| WQIP         | Boston, Mass.                         | 35500        | KGZG         | Des Moines, Iowa     | 2446         | WQSP         | High Point, N. C.     | 31500        |
| WRAS         | Boston, Mass.                         | 35500        | WCK          | Nr. Detroit, Mich.   | 2414         | KSPH         | Hillsborough, Calif.  | 1674         |
| WQKA         | Broad Brook, N. J.                    | 37900        | WPDZ         | Detroit, Mich.       | 2414         | WQTI         | Hingham, Mass.        | 37100        |
| KBMP         | Brawley, Calif.                       | 2490         | WMPJ         | Clinton, Ill.        | 2458         | WQNL         | Hollywood, Fla.       | 37100        |
| KADQ         | Brea, Calif.                          | 2490         | WPDW         | Washington, D. C.    | 2422         | WQIF         | Holyoke, Mass.        | 31500        |
| KASF         | Brentwood, Wash.                      | 2414         | KNGH         | Dodge City, Kan.     | 2474         | KGQF         | Honolulu, T. H.       | 1712         |
| WPFW         | Bridgeport, Conn.                     | 2466         | WQXO         | Juneau, Wis.         | 31500        | KHAA         | Wahiawa, Oahu,        |              |
| WBRI         | Bristol, R. I.                        | 1712         | KNFE         | Duluth, Minn.        | 2382         |              | T. H.                 | 1712         |
| WPHV         | Bristol, Va.                          | 2450         | KNGK         | Duncan, Okla.        | 2450         | KHAB         | Kaneohe, T. H.        | 1712         |
| WMPB         | Brookton, Mass.                       | 1712         | WQJW         | Wheaton, Ill.        | 37500        | KHAC         | Pearl City, Oahu,     |              |
| WQOY         | Village Hall,<br>Bronxville, N. Y.    | 37900        | WQMP         | Durham, N. C.        | 33100        |              | T. H.                 | 1712         |
| WQKK         | Brookline, Mass.                      | 33500        | WQKI         | Eastchester, N. Y.   | 33100        | WQOZ         | Hopewell, Va.         | 37100        |
| KGHT         | Brownsville, Tex.                     | 2382         | WQKT         | East Orange, N. J.   | 39500        | KAPL         | Hoquiam, Wash.        | 2414         |
| KNGW         | Brownwood, Texas                      | 2458         | WQKJ         | E. Providence, R. I. | 1712         | WRAP         | Hornell, N. Y.        | 37100        |
| WQTC         | Brownswick, Ga.                       | 33100        | WQKH         | El Centro, Calif.    | 2490         | KHTP         | Houston, Texas        | 1712         |
| WQTO         | Bucyrus, Ohio                         | 2474         | WQYD         | Eldorado, Kan.       | 2450         | WQYD         | Hull, Mass.           | 37100        |
| WMJ          | Buffalo, N. Y.                        | 2422         | WQNO         | Electra, Texas       | 2458         | WQYE         | Hull, Mass.           | 37100        |
| WPF5         | Asheville, N. C.                      | 2474         | WRAD         | Elgin, Ill.          | 33100        | WQYO         | Huntington, N. Y.     | 2490         |
| KQBE         | Burbank, Calif.                       | 33500        | WQJX         | Elizabeth, N. J.     | 39100        | WAKA         | Huntington, Ind.      | 2490         |
| KQCM         | Burlingame, Calif.                    | 33100        | KGZM         | Elmhurst, Ill.       | 37500        | WPGO         | Huntington, N. Y.     | 2490         |
| KQAR         | Burlington, Iowa                      | 2466         | WQAB         | El Paso, Texas       | 2414         | WQOW         | Huntington, W. Va.    | 33100        |
| KBPD         | Butte, Montana                        | 2406         | WASF         | El Reno, Okla.       | 2450         | KVPB         | Huron, S. D.          | 2450         |
| WIPC         | Cairo, Ill.                           | 2458         | WQIK         | Elwood, Ind.         | 2442         | KGHN         | Hutchinson, Kan.      | 2450         |
|              |                                       |              | KAPK         | Enid, Okla.          | 33500        | KNFB         | Idaho Falls, Idaho    | 2458         |
|              |                                       |              | WQLS         | Erie, Pa.            | 37100        | WMDZ         | Indianapolis, Ind.    | 2442         |
|              |                                       |              |              |                      |              | WQST         | Indian Hill, Ohio     | 33100        |

**MUNICIPAL POLICE STATIONS—(Continued)**

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# MUNICIPAL POLICE STATIONS — (Continued)

| Call Letters | Location                 | Freq'y Kcs. | Call Letters | Location                   | Freq'y Kcs. | Call Letters | Location             | Freq'y Kcs. |
|--------------|--------------------------|-------------|--------------|----------------------------|-------------|--------------|----------------------|-------------|
| KGZT         | Santa Cruz, Calif.       | 1674        | KQCR         | Stockton, Calif.           | 33100       | WPIA         | Warren, R. I.        | 1712        |
| KGPF         | Sante Fe, N. M.          | 2414        | WQKE         | Streator, Ill.             | 37100       | WMPW         | Waterbury, Conn.     | 2466        |
| KQDF         | Santa Monica, Calif.     | 33500       | WQRX         | Summit, N. J.              | 39900       | WQLM         | Waukegan, Ill.       | 33100       |
| KQDG         | Santa Rosa, Calif.       | 31500       | WPFQ         | Swarthmore, Pa.            | 2474        | WMPD         | Waukesha, Wis.       | 2450        |
| WEAG         | Sarasota, Fla.           | 31500       | KAPJ         | Sweetwater, Texas          | 2458        | WMPF         | Waycross, Ga.        | 2414        |
| WQTR         | Savannah, Ga.            | 33100       | WPEA         | Syracuse, N. Y.            | 2382        | WQSW         | Waynesboro, Va.      | 30700       |
| WQKL         | Scarsdale, N. Y.         | 33100       | KGZN         | Tacoma, Wash.              | 2414        | WOJG         | Wellesley, Mass.     | 35900       |
| WQRB         | Schenectady, N. Y.       | 37100       | WQSX         | Tallahassee, Fla.          | 33100       | WQNV         | West Chester, Pa.    | 33100       |
| WOOJ         | Scituate, Mass.          | 37100       | WFPT         | Tampa, Fla.                | 2466        | WQOM         | Westfield, N. J.     | 33100       |
| WSPP         | Scotch Plains, N. J.     | 2430        | WPHN         | Tampa, Fla.                | 2466        | WOJI         | W. Hartford, Conn.   | 31500       |
| WQTV         | Scranton, Pa.            | 33100       | WOJO         | Teaneck, N. J.             | 31500       | WQJN         | W. New York, N. J.   | 37900       |
| KGPA         | Seattle, Wash.           | 2414        | WQOF         | Terre Haute, Ind.          | 33100       | WMWP         | Westport, Mass.      | 1712        |
| WQIL         | Secaucus, N. J.          | 37100       | KTAP         | Texarkana, Ark.            | 2406        | WOJV         | Wheaton, Ill.        | 39500       |
| WASP         | Selma, Ala.              | 2382        | KQDJ         | Olympia, Wash.             | 2414        | WOTU         | Wheeling, W. Va.     | 33100       |
| WQIA         | Sewickley Heights, Pa.   | 33100       | WTOP         | Tiffin, Ohio               | 2474        | WOKS         | White Plains, N. Y.  | 37100       |
| KACR         | Seminole, Okla.          | 2450        | WRDQ         | Toledo, Ohio               | 2474        | WOKD         | Whiting, Ind.        | 37100       |
| WQSO         | Sharon, Mass.            | 33100       | KGZC         | Topeka, Kan.               | 2422        | KQDM         | Colfax, Wash.        | 2414        |
| WQFU         | Sharon (Mercer Co.), Pa. | 2482        | KACO         | Tracy, Calif.              | 2414        | KGHY         | Whittier, Calif.     | 1712        |
| WQOC         | Sharon Hill, Pa.         | 37900       | WQIZ         | Trenton, N. J.             | 33100       | KGZI         | Wichita Falls, Texas | 2458        |
| KWCM         | Shawnee, Okla.           | 2450        | WRCD         | Troy, N. Y.                | 33100       | KGZP         | Wichita, Kan.        | 2450        |
| WQMW         | Sheboygan, Wis.          | 33500       | WQTX         | Troy, Ohio                 | 33500       | WQFM         | Wilkes-Barre, Pa.    | 2442        |
| WAMH         | Shelby, Ohio             | 2474        | WQJD         | Village of Tuckahoe, N. Y. | 33100       | WQOH         | Williamsport, Pa.    | 33100       |
| WDPS         | Shelbyville, Ind.        | 2442        | WPDA         | Tulare, Calif.             | 2414        | WWPD         | Wilmington, Del.     | 31500       |
| KNGP         | Shreveport, La.          | 2430        | KGPO         | Tulsa, Okla.               | 2450        | WDPW         | Wilmington, N. C.    | 2458        |
| KGPK         | Sioux City, Iowa         | 2466        | KQCG         | Turlock, Calif.            | 37100       | WQNU         | Wilson, N. C.        | 31500       |
| KBTY         | Sioux Falls, S. D.       | 33100       | WQLH         | Tuscaloosa, Ala.           | 33100       | WPWC         | Rockford, Ill.       | 2458        |
| KNFI         | Mt. Vernon, Wash.        | 2414        | KQCF         | Tyler, Texas               | 31500       | WAKE         | Oshkosh, Wis.        | 2382        |
| WPEH         | Somerville, Mass.        | 1712        | WQNY         | Union City, N. J.          | 33100       | WQTO         | Winnetka, Ill.       | 35900       |
| WPGN         | South Bend, Ind.         | 2490        | WQJB         | Union, N. J.               | 37900       | WQMS         | Winston-Salem, N. C. | 33500       |
| WSSC         | Spartanburg, S. C.       | 2430        | WAGR         | Urbana, Ill.               | 2458        | WOJE         | Woodbridge, N. J.    | 37500       |
| KGHS         | Spokane, Wash.           | 2414        | WPGJ         | Utica, N. Y.               | 2414        | KAGD         | Woodland, Calif.     | 2422        |
| WQXJ         | Springfield, Ill.        | 31500       | KGPG         | Vallejo, Calif.            | 2422        | WPEM         | Woonsocket, R. I.    | 2466        |
| WQMD         | Springfield, Mass.       | 33500       | WMPV         | Valparaiso, Ind.           | 2490        | WPGX         | Worcester, Mass.     | 2466        |
| WQME         | Springfield, Mass.       | 33500       | WQKX         | Ventnor City, N. J.        | 37100       | KNGU         | Yakima, Wash.        | 2414        |
| KQBO         | Springfield, Mo.         | 33100       | WQYH         | Vernona, N. J.             | 37900       | WPFY         | Yonkers, N. Y.       | 2442        |
| WQMI         | Springfield, Ohio        | 33100       | WQKT         | Vincennes, Ind.            | 33100       | WAKX         | York, Pa.            | 2442        |
| WRAZ         | Spring Lake, N. J.       | 35500       | KQBQ         | Visalia, Calif.            | 37100       | WPDG         | Youngstown, Ohio     | 2458        |
| KASE         | Modesto, Calif.          | 2414        | KGZQ         | Waco, Texas                | 1712        | WQOK         | Ypsilanti, Mich.     | 37100       |
| WPHD         | Steubenville, Ohio       | 2458        | KACV         | Walla Walla, Wash.         | 2414        | KADF         | Yuma, Ariz.          | 2490        |
|              |                          |             | WMPE         | Elkhorn, Wis.              | 31500       | WPHO         | Zanesville, Ohio     | 2430        |



*The intense interest of visitors to the RCA Exhibit at the New York World's Fair is clearly demonstrated by the candid camera shots shown above. Feature of the exhibit is a demonstration of RCA High-definition, Electronic Television.*

# RADIO PROGRAM GUIDE

## Sunday

[illegible]



# RADIO PROGRAM GUIDE

## STANDARD BROADCASTING STATIONS

### Monday

| TIME | STATION | DIAL<br>SETTING | PROGRAM |
|------|---------|-----------------|---------|
|      |         |                 |         |
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### Tuesday

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### Wednesday

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# RADIO PROGRAM GUIDE

## STANDARD BROADCASTING STATIONS

### Thursday

| TIME | STATION | DIAL<br>SETTING | PROGRAM |
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### Friday

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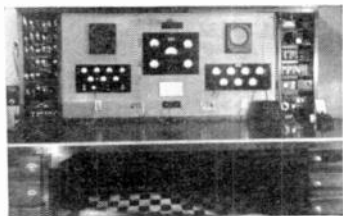
### Saturday

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## ⚡ SHORT-WAVE ⚡

[illegible]

# THE WHY AND WHEREFORE OF POOR RADIO RECEPTION



*Our laboratory is equipped with the most reliable radio test instruments available, and we are qualified by experience to repair all makes and models of radios. If your radio is not operating properly, check the reasons on the card shown below and mail TODAY.*

Old radio tubes are the source of approximately 80% of all radio troubles.

Among the more common and unmistakable signs of radio trouble are harsh and reedy tones, fading, lack of volume, noise, and finally "dead" radio. Replacing all tubes that check weak every 12 months is cheap insurance against unnecessary trouble.

Tubes are a big item in correcting poor radio reception. So, don't let worn radio tubes or any other easily corrected trouble keep the world of radio from your door.

## 6 Radio Troubles and Their Causes

1. **INTERMITTENT RECEPTION** is usually a set defect resulting from poor welds or corrosion in tuning condenser. Occasionally due to shorted tubes.
2. **WEAK RECEPTION** is an indication of old, worn-out tubes that need replacing, defective antenna, or improper alignment.
3. **HUMMING** is usually caused by bad tubes or failure of parts within the set.
4. **NOISY RECEPTION** is usually traceable to a number of defects, including worn tubes, atmospheric conditions, or internal set trouble.
5. **FADING** usually means weak tubes or poor atmospheric conditions.
6. **POOR TONE QUALITY** is usually brought about by weak and worn tubes.

## HERE IS OUR GUARANTEE OF SATISFACTION



**Bring Your Radio Troubles to Us**

Dear Sir:

My Radio is not giving the best reception for the following reasons:

- |                                                 |                                            |
|-------------------------------------------------|--------------------------------------------|
| <input type="checkbox"/> Playing intermittently | <input type="checkbox"/> Noisy Reception   |
| <input type="checkbox"/> Weak reception         | <input type="checkbox"/> Continual Fading  |
| <input type="checkbox"/> Constant humming       | <input type="checkbox"/> Poor Tone Quality |

Therefore, please have one of your radio service men call at my home to check the trouble.

Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ Phone \_\_\_\_\_

Make & Model of Radio \_\_\_\_\_ Please call \_\_\_\_\_





# **THORO RADIO SERVICE**

**L. H. ARMBRUSTER**

**SERVICE ON ALL MAKES OF RADIOS**

**22 SUNRISE HIGHWAY**

**BALDWIN, L. I.**

**PHONE: BALDWIN 8109**