

RADIO TRAVEL-LOG

PRICE 15¢



RCA Victor RADIO TUBES
for finer radio performance

World Radio History



MAKE THESE
STARS SHINE

Brighter



BENNY
GOODMAN



LILY
TOMES



TOMMY
DORSEY



GLADYS
SWARTHOUT



HAL
KEMP

WITH *RCA Victor* 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 RCA Victor 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!



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



RCA Victor RADIO TUBES

A Product of the RCA Manufacturing Co., Inc., Camden, N. J.

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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.

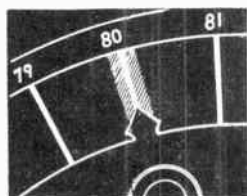


Fig. 1. Tune correctly—it will repay you in increased radio enjoyment.

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

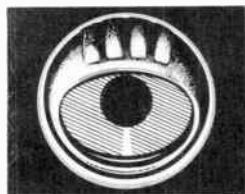
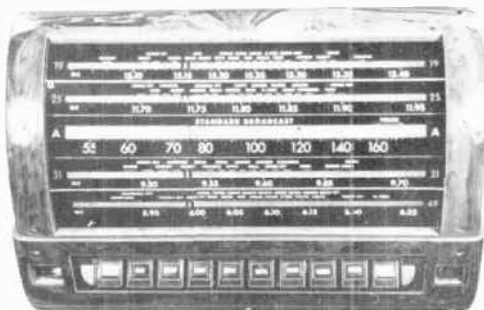


Fig. 3. Above is shown a tuning eye indicator or "Magic Eye" which facilitates in the proper tuning of not only domestic broadcasting stations but short-wave stations as well.

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 . . . "Eg-ree - 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



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?



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



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

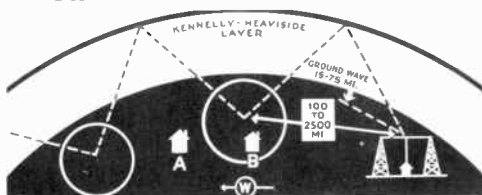


DIAGRAM 2—Short waves are reflected to the earth by the Kennelly-Heaviside Layer, situated 75-100 miles above the earth.

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

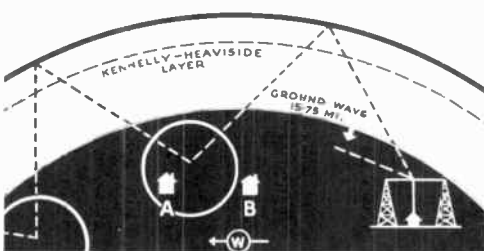


DIAGRAM 3—Reception zones vary with the height of the layer which in turn varies with daylight, darkness, seasons and atmospheric conditions.

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.

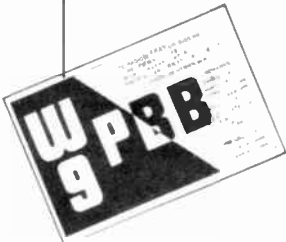
APPROXIMATE EFFECT OF TIME OF DAY AND SEASON OF YEAR ON SHORT-WAVE TRANSMISSION

Wave Length (meters)	Ground Wave Range Miles	Sky Wave (Summer) Reliable Range		Sky Wave (Winter) Reliable Range	
		Noon	Midnight	Noon	Midnight
		Miles	Miles	Miles	Miles
100	90	90	90-600	90-100	90-2500
49	75	100-200	250-5000	200-600	400-*
31	60	200-700	1000-*	500-2000	1500-*
25	50	300-1000	1500-*	600-3000	2000-*
19	35	300-2000	2500-*	900-3000	X
16	15	700-4000	X	1500-*	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- ^A	PM- ^v	Both- ^Δ	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	12
			Central	11	12	1	2	3	4	5	6	7	8	9	10	11	11
			Mountain	10	11	12	1	2	3	4	5	6	7	8	9	10	10
			Pacific	9	10	11	12	1	2	3	4	5	6	7	8	9	9

NOTES

Meg.	Call	Place	Pacific	1	2	3	4	5	6	7	8	9	10	11	12	1	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, Ccl.	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	H11J	San Pedro, D. R.	Daily														
5.86	YV4RH	Valencia, Ven.	ex. Su.														
5.87	HRN	Tegucigalpa, Hon.	Daily														
5.88	H19B	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														6.00 XEBT Mexico City
6.02	DJC	Berlin, Ger.	Daily	•••••													6.00 CFCX Montreal, Que.
6.03	HP5B	Panama City	Daily														6.01 COCO Havana, Cuba
6.04	HJ1ABG	Barranquilla, Col.	Daily	•••••													6.02 XEUW Vera Cruz, Mex.
6.05	HJ6ABA	Pereira, Col.	ex. Su.														6.04 W1XAL Boston, Mass.
6.05	GSA	London, Eng.	Daily														
6.07	OAX4Z	Lima, Peru	ex. Su.														6.06 W8XAL Cincinnati
6.11	HJ6ABB	Manizales, Col.	ex. Su.														6.06 W3XAU Philadelphia
6.11	GSL	London, Eng.	Daily														6.07 CFRX Toronto, Ont.
6.15	HJ4ABE	Medellin, Col.	Daily														6.08 W9XAA Chicago
6.15	H15N	Moca City, R. D.	ex. Su.														6.09 CRCX Toronto, Ont.
6.15	YV5RD	Caracas, Ven.	Daily														6.10 W9XF Chicago
6.21	TG2	Guatemala City	ex. Su.														6.10 W3XAL Boundbr'k, N. J.
6.22	YV1RG	Valera, Venez.	Daily														6.13 VE9HX Halifax, N. S.
6.24	HRD	LaCeiba, Honduras	ex. Su.														6.13 COCD Havana, Cuba
6.24	H1N	Trujillo, R. D.	ex. Su.														6.14 W8XK Pittsburgh
6.25	YV5RJ	Caracas, Ven.	ex. Su.														6.15 CJRO Winnipeg, Man.
6.27	YV5RP	Caracas, Ven.	ex. Su.														6.17 XEXA Mexico City
6.29	H1G	Trujillo City, R.D.	ex. Su.														6.28 COHB Sancti-Spiritus, Cub
6.30	YV4RD	Maracay, Venez.	ex. Su.														
6.31	H1Z	Trujillo, R. D.	ex. Su.	•••••													
6.34	H11X	Trujillo, R. D.	Tu.&Fr.														6.34 COCW Havana, Cuba
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	TiPG	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	HIT	Trujillo, R. D.	ex. Su.														
6.63	HC2RL	Guayaquil, Ec.	Su.&Tu.														
6.68	TIEP	San Jose, C. R.	Daily														
7.80	HBP	Geneva, Switz.	Mon.														7.3# XECR Mexico City
7.89	HC1RB	Quito, Ecuador	ex. Su.														
9.12	HAT-4	Budapest, Hung.	Su.&W.														8.66 COJK Camaguey, Cuba
9.23	HC2CW	Guayaquil, Ecu.	ex. Su.														8.96 COKG Santiago, Cuba
9.34	OAX4J	Lima, Peru	Daily														9.00 COBZ Havana, Cuba
9.49	EAR	Madrid, Spain	Su.,T.&T.														9.43 COCH Havana, Cuba
																	9.50 KEWW 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-^	PM-^	Both-^	E D S T	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		1	2	3	4	5	6	7	8	9	10	11	12	1	Notes
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 France	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	ZJZ	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	PHI2	Huisen, Hol.	Mo. to Fr.											▲▲	▲▲		
17.79	GSG	London, Eng.	Daily	▼▼	▼▼	▼▼	▼▼	▼▼	▼▼	▼▼	▼▼	▼▼	▼▼	▼▼	▼▼		
21.47	GSH	London, Eng.	Daily											▲▲	▲▲		
21.53	GSJ	London, Eng.	Daily											▲▲	▲▲		

9.53 XEDQ Guadalajara, Mex.
9.53 W2XAF Schenectady - WGE O

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

WLAU - (Cuba) - 11.83 by

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.

U.S. BROADCASTING STATIONS

BY STATES AND CITIES

City	Call Letters	Freq'cy in Kcs.
ALABAMA		
Anniston.....	WHMA	1420
Birmingham.....	WAPI	1140
Birmingham.....	WBRC	930
Birmingham.....	WSGN	1310
Decatur.....	WMFO	1370
Dothan.....	WAGF	1370
Gadsden.....	WJBY	1210
Huntsville.....	WBHP	1200
Mobile.....	WALA	1380
Montgomery.....	WCOV	1210
Montgomery.....	WSFA	1410
Muscle Shoals City	WMSD	1420
Selma.....	WHBB	1500
Tuscaloosa.....	WJRD	1200

City	Call Letters	Freq'cy in Kcs.
ARIZONA		
Globe.....	KWJB	1210
Jerome.....	KCRJ	1310
Lowell.....	KSUN	1200
Phoenix.....	KOY	1390
Phoenix.....	KTAR	620
Prescott.....	KYCA	1500
Safford.....	KGLU	1420
Tucson.....	KGAR	1370
Tucson.....	KVOA	1260
Yuma.....	KUMA	1420

City	Call Letters	Freq'cy in Kcs.
ARKANSAS		
Blytheville.....	KLCN	1290
El Dorado.....	KELD	1370
Fort Smith.....	KFPW	1210
Hot Springs.....	KTHS	1040
Jonesboro.....	KBTM	1200
Little Rock.....	KARK	890
Little Rock.....	KGHI	1200
Little Rock.....	KLRA	1390
Pine Bluff.....	KOTN	1500
Silvan Springs.....	KUOA	1260
Texarkana.....	KCMC	1420

City	Call Letters	Freq'cy in Kcs.
CALIFORNIA		
Bakersfield.....	KERN	1370
Bakersfield.....	KPMC	1550
Berkeley.....	KRE	1370
Chico.....	KHSL	1260
Ef Centro.....	KXO	1500
Eureka.....	KIEM	1450
Fresno.....	KARM	1310
Fresno.....	KMJ	580
Glendale.....	KIEV	850
Long Beach.....	KFOK	1250
Long Beach.....	KGER	1360
Los Angeles.....	KECA	1430
Los Angeles.....	KEHE	780
Los Angeles.....	KFAC	1300
Los Angeles.....	KFI	640
Los Angeles.....	KFSG	1120
Los Angeles.....	KFVD	1000
Los Angeles.....	KFWB	950
Los Angeles.....	KGFJ	1200
Los Angeles.....	KHJ	900
Los Angeles.....	KMPC	710
Los Angeles.....	KMTR	570
Los Angeles.....	KNX	1050
Los Angeles.....	KRKD	1120
Merced.....	KYOS	1040
Modesto.....	KTRB	740
Monterey.....	KDON	1210
Oakland.....	KLS	1280
Oakland.....	KLX	880
Oakland.....	KROW	930
Pasadena.....	KPPC	1210
Redding.....	KVCV	1200
Sacramento.....	KFBK	1490
Sacramento.....	KROY	1210
San Bernardino.....	KFXM	1210
San Diego.....	KFSD	600

City	Call Letters	Freq'cy in Kcs.
San Diego.....	KGB	1330
San Francisco.....	KFRG	610
San Francisco.....	KGO	790
San Francisco.....	KJBS	1070
San Francisco.....	KPO	680
San Francisco.....	KSAN	1420
San Francisco.....	KSFO	560
San Francisco.....	KYA	1230
San Jose.....	KQW	1010
San Luis Obispo.....	KVEC	1200
Santa Ana.....	KVOE	1500
Santa Barbara.....	KDB	1500
Santa Barbara.....	KTMS	1220
Santa Rosa.....	KSRO	1310
Stockton.....	KGDM	1100
Stockton.....	KWG	1200
Visalia.....	KTFC	1190
Watsonville.....	KHUB	1310

City	Call Letters	Freq'cy in Kcs.
COLORADO		
Alamosa.....	KGIW	1420
Colorado Springs.....	KVOR	1270
Denver.....	KFEL	920
Denver.....	KLZ	560
Denver.....	KOA	830
Denver.....	KPOF	880
Denver.....	KVOD	920
Durango.....	KIUP	1370
Grand Junction.....	KFXJ	1200
Greeley.....	KFKA	880
La Junta.....	KOKO	1370
Lamar.....	KIDW	1420
Pueblo.....	KGHF	1320
Sterling.....	KGEG	1200

City	Call Letters	Freq'cy in Kcs.
CONNECTICUT		
Bridgeport.....	WICC	600
Hartford.....	WDRC	1330
Hartford.....	WTHT	1200
Hartford.....	WTIC	1060
New Britain.....	WNBC	1380
New Haven.....	WELI	930
New London.....	WNLC	1500
Waterbury.....	WATR	1190
Waterbury.....	WBRY	1530

City	Call Letters	Freq'cy in Kcs.
DELAWARE		
Wilmington.....	WDEL	1120
Wilmington.....	WILM	1420

City	Call Letters	Freq'cy in Kcs.
DISTRICT OF COLUMBIA		
Washington.....	WJSV	1460
Washington.....	WMAL	630
Washington.....	WOL	1230
Washington.....	WRC	950

City	Call Letters	Freq'cy in Kcs.
FLORIDA		
Daytona Beach.....	WMFJ	1420
Gainesville.....	WRUF	830
Jacksonville.....	WJAX	900
Jacksonville.....	WJHP	1290
Jacksonville.....	WMBR	1370
Lakeland.....	WLAK	1310
Miami.....	WIOD	610
Miami.....	WQAM	560
Miami Beach.....	WKAT	1500
Orlando.....	WDBO	580
Pensacola.....	WCOA	1340
St. Augustine.....	WFOY	1210
St. Petersburg.....	WSUN	620
Tallahassee.....	WTAL	1310
Tampa.....	WDAE	1220
Tampa.....	WFLA	620
West Palm Beach.....	WJNO	1200

City	Call Letters	Freq'cy in Kcs.
GEORGIA		
Albany.....	WGPC	1420
Athens.....	WGAU	1310
Atlanta.....	WAGA	1450
Atlanta.....	WATL	1370
Atlanta.....	WGST	890
Atlanta.....	WSB	740
Augusta.....	WRDW	1500
Columbus.....	WRBL	1200
Griffin.....	WKEU	1500
Macon.....	WMAZ	1180
Rome.....	WRGA	1500
Savannah.....	WSAV	1310
Savannah.....	WTOC	1260
Thomasville.....	WPAX	1210
Waycross.....	WAYX	1200

City	Call Letters	Freq'cy in Kcs.
IDAHO		
Boise.....	KIDO	1350
Coeur d'Alene.....	KGCI	1200
Idaho Falls.....	KID	1320
Lewiston.....	KRLC	1390
Nampa.....	KFXD	1200
Pocatello.....	KSEI	900
Twin Falls.....	KTFI	1240
Wallace.....	KWAL	1420

City	Call Letters	Freq'cy in Kcs.
ILLINOIS		
Aurora.....	WMRO	1250
Bloomington.....	WJBC	1200
Carhage.....	WCAZ	1070
Champaign.....	WDWS	1370
Chicago.....	WAAF	920
Chicago.....	WBBM	770
Chicago.....	WCBN	1080
Chicago.....	WCFL	970
Chicago.....	WCRW	1210
Chicago.....	WEDC	1210
Chicago.....	WENR	870
Chicago.....	WGES	1360
Chicago.....	WGN	720
Chicago.....	WHIP	1480
Chicago.....	WIND	560
Chicago.....	WJJD	1130
Chicago.....	WLS	870
Chicago.....	WMAQ	670
Chicago.....	WMBI	1080
Chicago.....	WSBC	1210
Chicago.....	WVAE	1200
Cicero.....	WHFC	1420
Danville.....	WDAN	1500
Decatur.....	WJBL	1200
East St. Louis.....	WTMV	1500
Galesburg.....	WGIL	1500
Harrisburg.....	WEBQ	1210
Joliet.....	WCLS	1310
Peoria.....	WMBD	1440
Quincy.....	WTAD	900
Rockford.....	WROK	1410
Rock Island.....	WHBF	1240
Springfield.....	WCBS	1420
Springfield.....	WTAX	1210
Tuscola.....	WDZ	1020
Urbana.....	WILL	580

City	Call Letters	Freq'cy in Kcs.
INDIANA		
Anderson.....	WHBU	1210
Elkhart.....	WTRC	1310
Evansville.....	WEOA	1370
Evansville.....	WGFB	630
Fort Wayne.....	WGL	1370
Fort Wayne.....	WOWD	1160
Gary.....	WIND	560
Hammond.....	WHIP	1480
Hammond.....	WVAE	1200
Indianapolis.....	WFBM	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	KFKJ	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	WCYK	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	WLBZ	620
Lewiston	WCOU	1210
Portland	WCSE	940
Portland	WGAN	640
Presque Isle	WAGM	1420

City	Call Letters	Freq'cy in Kcs.
MARYLAND		
Baltimore	WBAL	1060
Baltimore	WCAO	600
Baltimore	WCBM	1370
Baltimore	WTBR	1270
Cumberland	WTBO	800
Frederick	WFMD	900
Hagerstown	WJEJ	1210
Salisbury	WSAL	1200

MASSACHUSETTS

Boston	WEEA	1410
Boston	WBZ	990/1030
Boston	WCOP	1120/150
Boston	WEEI	590
Boston	WHDH	830/850
Boston	WMEX	1500/1570
Boston	WNAS	1230/1260
Boston	WORL	920/950
Fall River	WSAR	1450
Greenfield	WHAI	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	WHD	1370
Detroit	CKLW	1030
Detroit	WJBK	1500
Detroit	WJR	750
Detroit	WMBC	1420
Detroit	WWJ	920
Detroit	WXYZ	1240
East Lansing	WKAR	850
Flint	WDFD	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.
MISSISSIPPI		
Grenada	WGRM	1210
Gulfport	WGCM	1210
Hattiesburg	WFOR	1370
Jackson	WJDX	1270
Jackson	WSLT	1420
Laurel	WAML	1310
Meridian	WCOC	880
Vicksburg	WQBC	1360

MISSOURI

Cape Girardeau	KFVS	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	KFUO	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	KRBM	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	KGFW	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
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NEW HAMPSHIRE

Laconia	WLNH	1310
Manchester	WFEA	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.
NEW MEXICO		
Albuquerque	KGGM	1230
Albuquerque	KOB	1180
Carlsbad	KLAH	1210
Clovis	KICA	1370
Gallup	KAWM	1500
Hobbs	KWEW	1500
Roswell	KGFL	1370
Santa Fe	KRQA	1310

City	Call Letters	Freq'y in Kcs.
NEW YORK		
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	WBEN	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	WBNX	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	WNEA	1250
New York City	WNYC	810
New York City	WOR	710
New York City	WOV	1130
New York City	WOXR	1550
New York City	WWRD	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

City	Call Letters	Freq'y in Kcs.
NORTH CAROLINA		
Asheville	WWNC	570
Charlotte	WBTV	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

City	Call Letters	Freq'y in Kcs.
NORTH DAKOTA		
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

City	Call Letters	Freq'y in Kcs.
OHIO		
Akron	WADC	1320
Akron	WJW	1210
Ashtabula	WICA	940
Canton	WHBC	1200
Cincinnati	WKCY	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	WBLV	1210
Portsmouth	WPAY	1370
Toledo	WSPD	1340
Toledo	WTOL	1200
Youngstown	WFMJ	1420
Youngstown	WKBN	570
Zanesville	WALR	1210

City	Call Letters	Freq'y in Kcs.
OKLAHOMA		
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

City	Call Letters	Freq'y in Kcs.
OREGON		
Astoria	KAST	1200
Baker	KBKR	1500
Bend	KBND	1310
Corvallis	KOAC	550
Eugene	KORE	1420
Klamath Falls	KFJI	1210
La Grande	KLBM	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
Rosburg	KRNR	1500
Salem	KSLM	1370

City	Call Letters	Freq'y in Kcs.
PENNSYLVANIA		
Allentown	WSAN	1440
Allentown	WCBA	1440
Altoona	WFBG	1310
Easton	WEST	1200
Erie	WLEU	1420
Greensburg	WHJB	620
Grove City	WSAJ	1310
Harrisburg	WHF	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	WTEL	1310
Pittsburgh	KDKA	980
Pittsburgh	KQV	1380
Pittsburgh	WCAE	1220
Pittsburgh	WJAS	1290
Pittsburgh	WWSW	1500
Reading	WEUU	830
Reading	WRaw	1310
Scranton	WGBI	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

City	Call Letters	Freq'y in Kcs.
RHODE ISLAND		
Providence	WEAN	780
Providence	WJAR	890
Providence	WPRO	630

City	Call Letters	Freq'y in Kcs.
SOUTH CAROLINA		
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

City	Call Letters	Freq'y in Kcs.
SOUTH DAKOTA		
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

City	Call Letters	Freq'y in Kcs.
TENNESSEE		
Bristol	WOPI	1500
Chattanooga	WAPO	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

City	Call Letters	Freq'y in Kcs.
TEXAS		
Abilene	KRBC	1420
Amarillo	KFDA	1500
Amarillo	KGNC	1410
Austin	KNOW	1500
Austin	KTBC	560
Beaumont	KPDM	1120
Beaumont	KRDC	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	KRAS	1330
Corsicana	KAND	1310
Dallas	KRDL	1040
Dallas	WFAA	800
Dallas	WRR	1280
Denton	KDNT	1420
Dublin	KFFL	1310
El Paso	KROD	1500
El Paso	KTSM	1310
El Paso	WDAH	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.
VERMONT		
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	KGA	1470
Spokane	KHQ	590
Tacoma	KMO	920
Tacoma	KVI	570
Vancouver	KVAN	880
Walla Walla	KUJ	1370
Wenatchee	KPO	1500
Yakima	KIT	1250

WEST VIRGINIA

Beckley	WJLS	1210
Bluefield	WHIS	1410
Charleston	WCBS	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	WHBY	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	KFOD	780
Fairbanks	KFAR	610
Juneau	KINY	1430
Ketchikan	KGBU	900

PUERTO RICO

Mayaguez	WPRA	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
K					
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.	KFYO	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.	1KMMJ	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.	KMPK	Beverly Hills, Calif.
KAST	Astoria, Ore.	KGCA	Decorah, Ia.	KMTR	Hollywood, Calif.
KATE	Albert Lea, Minn.	*KGC1	Coeur d'Alene, Ida.	KNEL	Brady, Tex.
KAWM	Gallup, N. M.	KGCU	Mandan, N. D.	KNET	Palestine, Tex.
KBIX	Muskogee, Okla.	KGDX	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.	KGDK	Sterling, Colo.	KOAC	Corvallis, Ore.
KBST	Big Spring, Tex.	KGEG	Long Beach, Calif.	KOAM	Pittsburg, 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.	KGFV	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	KGGH	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.	KOVV	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	Bakerfield, 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.	*KGV1	Greenville, Tex.	KPOF	Derby
*KFAR	Fairbanks, Alaska	KGVO	Missoula, Mont.	KPPC	Pasadena, Calif.
KFBH	Great Falls, Mont.	KGW	Portland, Ore.	KPQ	Wenatchee, Wa.
KFBI	Abilene, Kan.	KHBC	Olympia, Wash.	KPRC	Houston, Tex.
KFBK	Sacramento, Calif.	KHBS	Hilo, Hawaii	KQV	Pittsburgh
*KFDA	Amarillo, Tex.	KHBB	Okmulgee, 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
KFJL	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.
KFRK	San Francisco	KLO	Ogden, Utah	KRSC	Seattle, Wash.
KFRQ	Longview, Tex.	KLPM	Minot, N. D.	KSAC	Manhattan, Kan.
KFRU	Columbia, Mo.	KLRA	Little Rock, Ark.	KSAL	Salina, Kan.
KFSD	San Diego, Calif.	KLS	Oakland, Calif.	KSAM	Huntsville, Tex.
KFSG	Los Angeles	KLUF	Galveston, Texas	KSAN	San Francisco
KFUO	St. Louis	KLX	Oakland, Calif.	KSCJ	Sioux City, Ia.
KFVD	Los Angeles	KLZ	Denver	KSD	St. Louis
KFVS	Cape Girardeau, Mo.				
KFWB	Hollywood, Calif.				

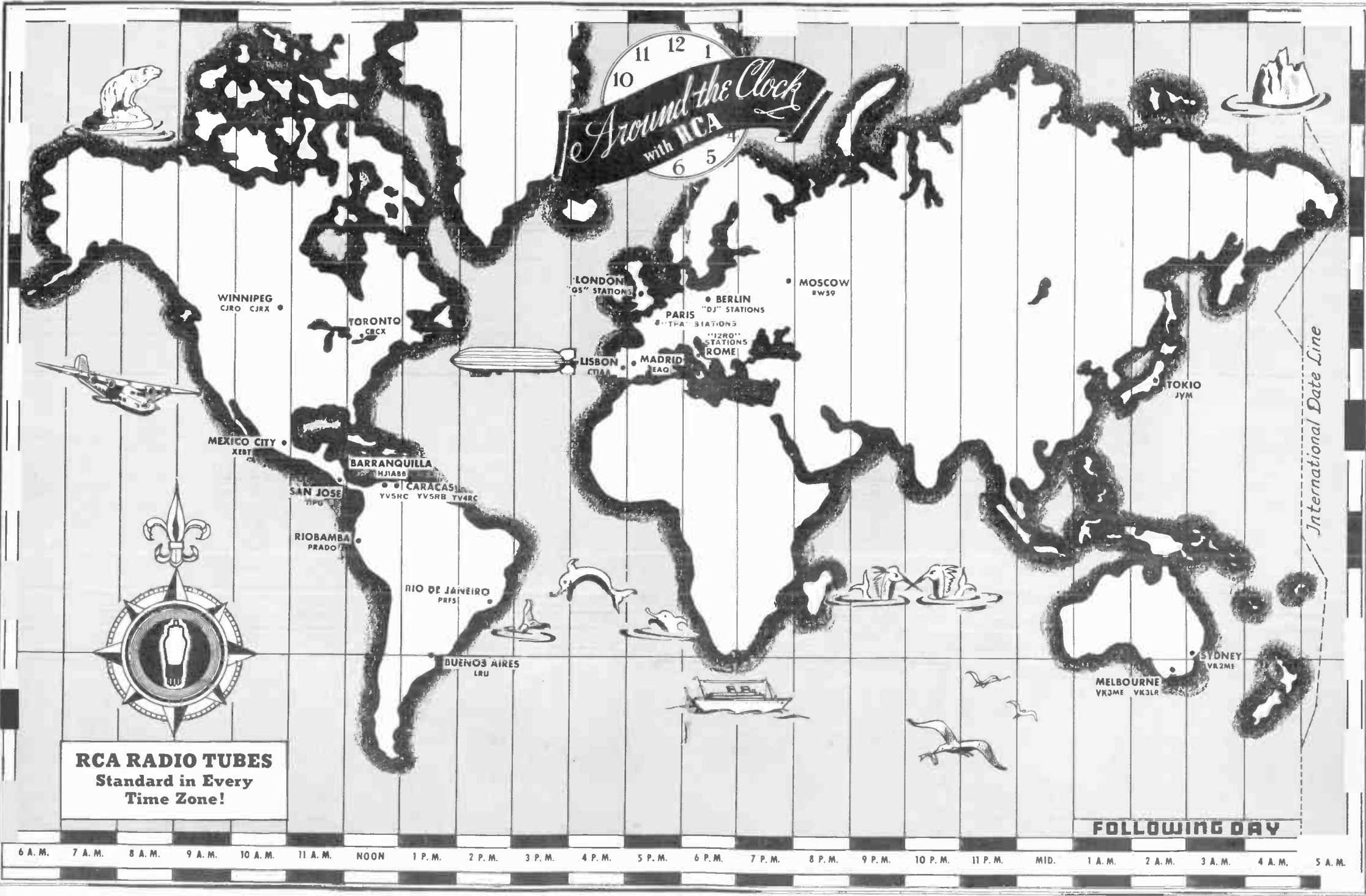
* Denotes new station authorized but not yet in operation as of Jan. 15, 1939.

† 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.
KTAR	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.	WDDO	Chattanooga, Tenn.
KTEM	Temple, Tex.	WAML	Laurel, Miss.	WDRS	Hartford, Conn.
KTFI	Twin Falls, Idaho	WAPI	Birmingham, Ala.	*WDSM	Superior, Wis.
KTHS	Hot Springs, Ark.	WAPO	Chattanooga, Tenn.	WDSU	New Orleans
KTKK	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.	WEDC	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.	WEUU	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.	WBMM	Chicago	WEMP	Milwaukee
KUSD	Vermillion, S. D.	WBRR	Brooklyn	WENR	Chicago
KUTA	Salt Lake City	WBZZ	Ponca City, Okla.	*WENY	Elmira, N. Y.
*KVAK	Atchison, Kan.	WBMC	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.
KVCC	San Luis Obispo, Cal.	WBHP	Huntsville, Ala.	WEVD	New York
KVGB	Great Bend, Kan.	WBIL	Greensboro, N. C.	WEW	St. Louis
KVI	Tacoma, Wash.	WBKL	New York City	WEXL	Royal Oak, Mich.
KVNU	Logan, Utah	WBLY	Clarksburg, W. Va.	WFAA	Dallas, Tex.
KVOA	Tucson, Ariz.	WBNO	Lima, O.	WFAM	South Bend, Ind.
KVOD	Denver, Colo.	WBNS	New Orleans	WFAS	White Plains, N. Y.
KVOE	Santa Ana, Calif.	WBNX	Columbus, O.	WFBC	Greenville, S. C.
KVOL	Lafayette, La.	WBNY	New York	WFBG	Altoona, Pa.
KVOO	Tulsa, Okla.	WBOW	Buffalo, N. Y.	WFBL	Syracuse, N. Y.
KVOR	Colo. Springs, Colo.	WBRE	Terre Haute, Ind.	WFBM	Baltimore
KVOS	Bellingham, Wash.	WBRC	Red Bank, N. J.	WFBR	Flint, Mich.
KVOX	Moorhead, Minn.	WBRE	Birmingham, Ala.	WFDF	Manchester, N. H.
KVRS	Rock Springs, Wyo.	WBRR	Wilkes-Barre, Pa.	WFEL	Philadelphia
KVSO	Ardmore, Okla.	WBRS	Pittsfield, Mass.	WFLA	Tampa, Fla.
*KVWC	Vernon, Tex.	WBRY	Waterbury, Conn.	WFMD	Frederick, Md.
*KWAL	Wallace, Idaho.	WBT	Charlotte, N. C.	*WFMJ	Youngstown, O.
KWBG	Hutchinson, Kan.	WBT	Williamson, W. Va.	*WFNC	Fayetteville, N. C.
KWEW	Hobbs, N. M.	WBTH	Danville, Va.	WFOR	Hattiesburg, Miss.
*KWFT	Wichita Falls, Tex.	WBTH	Boston	WFOY	St. Augustine, Fla.
KWG	Stockton, Calif.	WBZ	Springfield, Mass.	WFTE	Kinston, N. C.
KWJB	Globe, Ariz.	WCAD	Canton, N. Y.	WFGAL	Lancaster, Pa.
KWJJ	Portland, Ore.	WCAE	Pittsburgh	WGAN	Portland, Me.
KWK	St. Louis	WCAL	Northfield, Minn.	WGAR	Cleveland
KWKH	Shreveport, La.	WCAM	Camden, N. J.	WGAU	Athens, Ga.
KWLC	Decorah, Ia.	WCBO	Baltimore	WGBB	Freeport, N. Y.
KWLK	Longview, Wash.	WCAT	Rapid City, S. D.	WGBF	Evansville, Ind.
KWNO	Winona, Minn.	WCAZ	Philadelphia	WGBI	Scranton, Pa.
KWOC	Poplar Bluff, Mo.	WCAX	Burlington, Vt.	WGCM	Gulfport, Miss.
KWOS	Jefferson City, Mo.	WCAZ	Cartage, Ill.	WGES	Chicago
KWSC	Pullman, Wash.	WCBA	Allentown, Pa.	WGH	Newport News, Va.
KWTN	Pullman, Wash.	WCBD	Chicago, Ill.	WGIL	Galesburg, Ill.
KWTO	Watertown, S. D.	WCBM	Chicago, Ill.	*WGLV	Charleston, W. Va.
KWYO	Springfield, Mo.	WCBS	Springfield, Ill.	WGN	Fort Wayne, Ind.
KXA	Sheridan, Wyo.	WCCO	Minneapolis	*WGNB	Chicago
KXL	Seattle, Wash.	WCFL	Chicago	WGNV	Gastonia, N. C.
KXO	Portland, Ore.	WCHS	Charleston, W. Va.	WGNV	Newburgh, N. Y.
KXOK	St. Louis, Mo.	WCHV	Charlottesville, Va.	WGPC	Albany, Ga.
KXRO	Aberdeen, Wash.	WCKY	Cincinnati	WGR	Buffalo, N. Y.
KXYZ	Houston, Tex.	WCLE	Cleveland	WGRC	New Albany, Ind.
KYA	San Francisco	WCLO	Janesville, Wis.	WGRM	Grenada, Miss.
KYCA	Prescott, Ariz.	WCLS	Joliet, Ill.	WGST	Atlanta
KYOS	Merced, Calif.	WCMI	Ashland, Ky.	WGTM	Wilson, N. C.
KYSM	Mankato, Minn.	WCNW	Brooklyn	WGY	Schenectady, N. Y.
KYW	Philadelphia	WCOA	Pensacola, Fla.	WHA	Madison, Wis.
W		WCOC	Meridian, Miss.	WHAI	Greenfield, Mass.
WAAB	Boston	WCOL	Columbus, O.	WHAM	Rochester, N. Y.
WAAF	Chicago	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			
WKRC	Cincinnati	5,000	670 KC.		
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	WLW	Cincinnati	50,000
WIS	Columbia, S. C.	5,000			
WQAM	Miami, Fla.	1,000	700 KC.		
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	740 KC.		
WSYR	Syracuse, N. Y.	1,000	KMMJ	Clay Center, Neb.	1,000
WWNC	Asheville, N. C.	1,000	KTRB	Modesto, Calif.	250
580 KC.					
KMJ	Fresno, Calif.	1,000	WHEB	Portsmouth, N. H.	250
KSAC	Manhattan, Kan.	1,000	WSB	Atlanta	50,000
WCHS	Charleston, W. Va.	1,000			
WDBO	Orlando, Fla.	5,000	750 KC.		
WILL	Urbana, Ill.	5,000	KGU	Honolulu, Hawaii	2,500
WIBW	Topeka, Kan.	5,000	WJR	Detroit	50,000
WTAG	Worcester, Mass.	1,000			
590 KC.					
KHQ	Spokane, Wash.	5,000	KXA	Seattle	500
WEEL	Boston	5,000	WEW	St. Louis	1,000
WKZO	Kalamazoo, Mich.	1,000	WJZ	New York	50,000
WOW	Omaha, Nebr.	5,000	WBAL	Baltimore	2,500
600 KC.					
KFSD	San Diego, Calif.	1,000	WCAL	Northfield, Minn.	5,000
WCAO	Baltimore	1,000	WLB	Minneapolis	5,000
WICC	Bridgeport, Conn.	1,000			
WMT	Cedar Rapids, Ia.	5,000	770 KC.		
WREC	Memphis	5,000	KFAB	Lincoln, Nebr.	10,000
610 KC.					
KFAR	Fairbanks, Alaska	1,000	WBBM	Chicago	50,000
KFRG	San Francisco	5,000			
WDAF	Kansas City	5,000	780 KC.		
WIOD	Miami	1,000	KEHE	Los Angeles	5,000
WIP	Philadelphia	1,000	KFDY	Brookings, S. D.	1,000
WCLE	Cleveland	500	KFQD	Anchorage, Alaska	250
620 KC.					
KGW	Portland, Ore.	5,000	KGHL	Billings, Mont.	5,000
KTAR	Phoenix, Ariz.	1,000	KWLK	Longview, Wash.	250
KWFT	Wichita Falls, Tex.	1,000	WEAN	Providence, R. I.	5,000
WFLA	Tampa, Fla.	5,000	WMC	Memphis	5,000
WSUN	St. Petersburg, Fla.	5,000	WPIC	Sharon, Pa.	250
WHJB	Greensburg, Pa.	250	WTAR	Norfolk, Va.	1,000
WLBZ	Bangor, Me.	1,000			
WTMJ	Milwaukee	5,000	790 KC.		
630 KC.					
KFRU	Columbia, Mo.	1,000	KGO	San Francisco	7,500
KGFX	Pierre, S. D.	200	WGY	Schenectady, N. Y.	50,000
WGFB	Evansville, Ind.	1,000	KOAM	Pittsburg, Kan.	1,000
WMBL	Washington, D. C.	500			
WPRO	Providence, R. I.	1,000	800 KC.		
640 KC.					
KFI	Los Angeles	50,000	WBAP	Fort Worth, Tex.	50,000
WHKC	Columbus, O.	500	WFAA	Dallas, Tex.	50,000
WOI	Ames, Ia.	5,000	WTBO	Cumberland, Md.	250
WGAN	Portland, Me.	500			
810 KC.					
820 KC.					
830 KC.					
KOA	Denver	50,000	WCCO	Minneapolis	50,000
WEEU	Reading, Pa.	1,000	WNYC	New York	1,000
WHDH	Boston	1,000			
WRUF	Gainesville, Fla.	5,000	WHAS	Louisville	50,000

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.	WLBC	Muncie, Ind.	WQDM	St. Albans, Vt.
WHBQ	Memphis	WLBL	Stevens Point, Wis.	WQXR	New York
WHBU	Anderson, Ind.	WLBZ	Bangor, Me.	WRAK	Williamsport, Pa.
†WHBY	Green Bay, Wis.	WLEU	Eric, Pa.	WRAL	Raleigh, N. C.
WHDF	Calumet, Mich.	WLLH	Lowell, Mass.	WRAW	Reading, Pa.
WHDH	Boston	WLNH	Laconia, N. H.	WROL	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.
WHLS	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	WMBQ	Auburn, N. Y.	WRUF	Gainesville, Fla.
WHO	Des Moines, Ia.	WMBR	Jacksonville, Fla.	WRVA	Richmond, Va.
WHOM	Jersey City, N. J.	WMBB	Uniontown, Pa.	WSAI	Cincinnati
WHP	Harrisburg, Pa.	WMC	Memphis	WSAJ	Grove City, Pa.
WIBA	Indianapolis, Ind.	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	Poyette, 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.	WMPP	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	Boston	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.	WNBH	New Bedford, Mass.	WSOC	Charlotte, N. C.
WJAG	Norfolk, Nebr.	WNBK	Binghamton, N. Y.	WSFA	Spartanburg, S. C.
WJAR	Providence, R. I.	WNBZ	Springfield, Vt.	WSPD	Toledo, O.
WJAS	Pittsburgh	WNBZ	Saranac Lake, N. Y.	WSPR	Springfield, Mass.
WJAX	Jacksonville, Fla.	WNL	San Juan, P. R.	WSTP	Salisbury, N. C.
WJBC	Bloomington, Ill.	WNEW	New York	WSUI	Iowa City, Ia.
WJBC	Detroit	WNLC	New London, Conn.	WSUN	St. Petersburg, Fla.
WJBL	Decatur, Ill.	WNOX	Knoxville, Tenn.	WVA	Harrisonburg, Va.
WJBO	Baton Rouge, La.	WNYC	New York	WSVS	Buffalo, N. Y.
WJBW	New Orleans	WYOI	San Antonio, Tex.	WSYB	Rutland, Vt.
WJBY	Gadsden, Ala.	WOC	Davenport, Ia.	WSYU	Syracuse, N. Y.
WJDX	Jackson, Miss.	WOCB	Osterville, Mass.	WTAD	Quincy, Ill.
WJEJ	Hagerstown, Md.	WOK	Albany, N. Y.	WTAG	Worcester, Mass.
WJHL	Johnson City, Tenn.	WOL	Washington, D. C.	WTAL	Tallahassee, Fla.
WJHP	Jacksonville, Fla.	WOLS	Florence, S. C.	WTAM	Cleveland
WJIM	Lansing, Mich.	WOMI	Owensboro, Ky.	WTAQ	Green Bay, Wis.
WJJD	Chicago	WOMT	Manitowoc, Wis.	WTAR	Norfolk, Va.
WJLS	Beckley, W. Va.	WOOD	Grand Rapids, Mich.	WTAW	College Station, Tex.
WJMC	Rice Lake, Wis.	WOPI	Bristol, Tenn.	WTAX	Springfield, Ill.
WJMS	Ironwood, Mich.	WOR	Newark, N. J.	WTBO	Cumberland, Md.
WJNO	W. Palm Beach, Fla.	WORC	Worcester, Mass.	WTCT	Minneapolis
WJR	Detroit	WORK	York, Pa.	WTCL	Philadelphia
WJRD	Tuscaloosa, Ala.	WORL	Boston, Mass.	WTHH	Hartford, Conn.
WJVS	Washington, D. C.	WOSU	Columbus, O.	WTIC	Hartford, Conn.
WJTN	Jamestown, N. Y.	WOV	New York	WTJS	Jackson, Tenn.
WJW	Akron, O.	WOW	Omaha, Nebr.	WTMA	Charleston, S. C.
WJZ	New York	WOWO	Fort Wayne, Ind.	WTMJ	Milwaukee
WKAQ	San Juan, P. R.	WPAD	Paducah, Ky.	WTMV	East St. Louis, Ill.
WKAR	E. Lansing, Mich.	WPAR	Parkersburg, W. Va.	WTNJ	Trenton, N. J.
WKAT	Miami Beach, Fla.	WPAY	Thomasville, Ga.	WTOC	Savannah, Ga.
WKBB	Dubuque, Ia.	WPEN	Portsmouth, O.	WTOL	Toledo
WKBH	La Crosse, Wis.	WPG	Philadelphia	WTRC	Elkhart, Ind.
WKBK	Youngstown, O.	WPG	Atlantic City, N. J.	WTRY	Troy, N. Y.
WKBO	Harrisburg, Pa.	WPIC	Sharon, Pa.	WFW	Brooklyn
WKBV	Richmond, Ind.	WPIV	Petersburg, Va.	WFAE	Hammond, Ind.
WKBZ	Buffalo	WPRO	Providence, R. I.	WWJ	Detroit
WKEU	Muskegon, Mich.	WPRP	Ponca, P. R.	WWL	New Orleans
WKOK	Griffin, Ga.	WPTF	Raleigh, N. C.	WWNC	Asheville, N. C.
WKRC	Cincinnati	WQAM	Miami	WWRL	Woodside, N. Y.
WKST	New Castle, Pa.	WQAN	Scranton, Pa.	WWSW	Pittsburgh
WKY	Oklahoma City			WWVA	Wheeling, W. Va.
WKZO	Kalamazoo, Mich.			WXYZ	Detroit
WLAC	Nashville, Tenn.				
WLAK	Lakeland, Fla.				
WLAP	Lexington, Ky.				
WLAW	Lawrence, Mass.				

† Authorized to move to Appleton, Wis.

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

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.	100
	1190 KC.		KPPC	Pasadena, Calif.	100
KTCC	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
KBMT	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
KGFI	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.	100	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
WFTC	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			
WJBL	Decatur, Ill.	100			
WJBW	New Orleans	100			
WJHL	Johnson City, Tenn.	250			
WJNO	W. Palm Beach, Fla.	250			
WJRD	Tuscaloosa, Ala.	250			
WKBO	Harrisburg, Pa.	250			
WLVA	Lynchburg, Va.	250			
WMFR	High Point, N. C.	100			
WMPC	Laper, Mich.	250			
WOLS	Florence, S. C.	100			
WRBL	Columbus, Ga.	250			
WSAL	Salisbury, Md.	250			
WTHT	Hartford, Conn.	100			
WTOL	Toledo, O.	100			
WWAE	Hammond, Ind.	100			
	1210 KC.			1220 KC.	
KALB	Alexandria, La.	250	KTMS	Santa Barbara	500
KANS	Wichita, Kan.	100	KFKU	Lawrence, Kan.	5,000
KASA	Elk City, Okla.	100	KTW	Seattle	1,000
KDLR	Devis Lake, N. D.	250	KWSC	Pullman, Wash.	5,000
KDON	Monterey, Calif.	100	WCAD	Canton, N. Y.	500
			WCAE	Pittsburgh	5,000
			WDAE	Tampa, Fla.	5,000
			WGNV	Newburgh, N. Y.	250
			WREN	Lawrence, Kan.	5,000
				1230 KC.	
			KGBX	Springfield, Mo.	500
			KGGM	Albuquerque, N. M.	1,000
			KYA	San Francisco	5,000
			WFBM	Indianapolis	5,000
			WNAC	Boston	5,000
			WOL	Washington, D. C.	1,000
				1240 KC.	
			KGCU	Mandan, N. D.	250
			KTAT	Fort Worth, Tex.	1,000
			KTFI	Twin Falls, Idaho	1,000
			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.	350
WTCN	Minneapolis	5,000	WBRK	Pittsfield, Mass.	250
1260 KC.			WCLS	Joliet, Ill.	100
KGVO	Missoula, Mont.	5,000	WCMI	Ashland, Ky.	250
KHSL	Chico, Calif.	450	WDII	El Paso, Tex.	250
KOIL	Omaha	5,000	WEBR	Buffalo, N. Y.	250
KPAC	Fort Arthur, Tex.	500	WEMP	Milwaukee	100
KRGV	Weslaco, Tex.	1,000	WEXL	Royal Oak, Mich.	50
KUOA	Siloam Springs, Ark.	5,000	WPBG	Altoona, Pa.	100
KVOA	Tucson, Ariz.	1,000	WFDL	Flint, Mich.	100
WHIO	Ducon, O.	5,000	WGAU	Atlanta, 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
KWLC	Decorah, Ia.	100	WLNH	Laconia, N. H.	100
WASH	Grand Rapids, Mich.	1,000	WMBO	Auburn, N. Y.	250
WFBR	Baltimore	5,000	WMFF	Plattsburg, N. Y.	250
WJDX	Jackson, Miss.	1,000	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	WTAL	Winston-Salem, N. C.	100
WDOD	Chattanooga, Tenn.	5,000	WTAL	Tallahassee, Fla.	250
WIBA	Madison, Wis.	5,000	WTET	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	3,000	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	W'ORK	York, Pa.	1,000
WNBZ	Saranac Lake, N. Y.	100	W'SMB	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.			KRIS	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
KFFL	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	KGFR	Long Beach, Calif.	1,000
KOME	Tulsa, Okla.	250	WCSC	Charleston, S. C.	1,000
KRBA	Lufkin, Tex.	100	WFBL	Syracuse, N. Y.	5,000
KRMD	Shreveport, La.	250	WGES	Chicago	1,000
KROC	Rochester, Minn.	250	WQBC	Vicksburg, Miss.	1,000
KROA	Santa Fe	100	WSBT	South Bend, Ind.	500
KRRV	Sherman, Tex.	250	KLPM	Minot, N. D.	1,000
KSRO	Santa Rosa, Calif.	250	KSLM	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
1450 KC.			1500 K.C. (Cont.)		
KCMO	Kansas City	1,000	KROD	El Paso, Tex.	100
KG CX	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
WJSV	Washington, D. C.	10,000	KYSM	Mankato, Minn.	250
1470 KC.			WCNW	Brooklyn, N. Y.	250
KG A	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	WKBV	Richmond, Ind.	100
1500 KC.			WKBZ	Muskegon, Mich.	250
KAWM	Gallup, N. M.	250	WKEU	Griffin, Ga.	100
KBIX	Muskogee, Okla.	100	WMEX	Boston	250
KBKR	Baker, Ore.	250	WBNF	Binghamton, N. Y.	250
KBST	Big Spring, Tex.	100	WNLC	New London, Conn.	100
KDAL	Duluth, Minn.	100	WOMI	Owensboro, Ky.	250
KDB	Santa Barbara, Calif.	250	WOPI	Bristol, Tenn.	100
KFDA	Amarillo, Tex.	100	WRGA	Rome, Ga.	250
KGFI	Brownsville, Tex.	250	WRDW	Augusta, Ga.	250
KGKB	Tyler, Tex.	250	WRKL	Rock Hill, S. C.	100
KGKY	Scotts Bluff, Nebr.	250	WRTD	Richmond, Va.	100
KNEL	Brady, Tex.	250	WSTP	Salisbury, N. C.	250
KNOW	Austin, Tex.	100	WSYB	Rutland, Vt.	100
KOTN	Pine Bluff, Ark.	100	WTMV	East St. Louis, Ill.	250
KOVC	Valley City, N. D.	250	WWRL	Woodside, N. Y.	250
KPAB	Laredo, Tex.	250	WWSW	Pittsburgh	250
KPLC	Lake Charles, La.	250	1530 KC.		
KPLT	Paris, Tex.	250	WBRY	Waterbury, Conn.	1,000
KPQ	Wenatchee, Wash.	250	KITE	Kansas City	1,000
KRRN	Roseburg, Ore.	250	1550 KC.		
			WQXR	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
Cordoba	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	Torreón	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	Zacatecas	XEAZ	1080	20
Mexico City	XERC	870	500				
Mexico City	XEW	890	100,000				
Minatitlán	XEDW	1150	20				
Monterey	XEFB	870	200				
Monterey	XEFG	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 Potosí	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 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 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
ALBERTA				BRITISH COLUMBIA			
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
BRITISH COLUMBIA (Continued)							
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 Port Arthur	CKPR	730	1,000
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

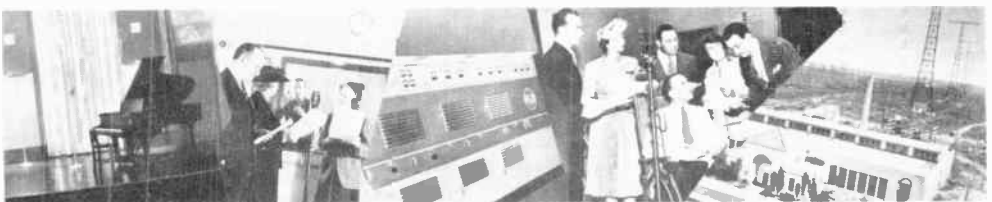
Charlottetown	CFCY	630	1,000
Charlottetown	CHCK	1310	50
Summerside	CHGS	1450	50

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 Pocatiere	CHGB	1200	100
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

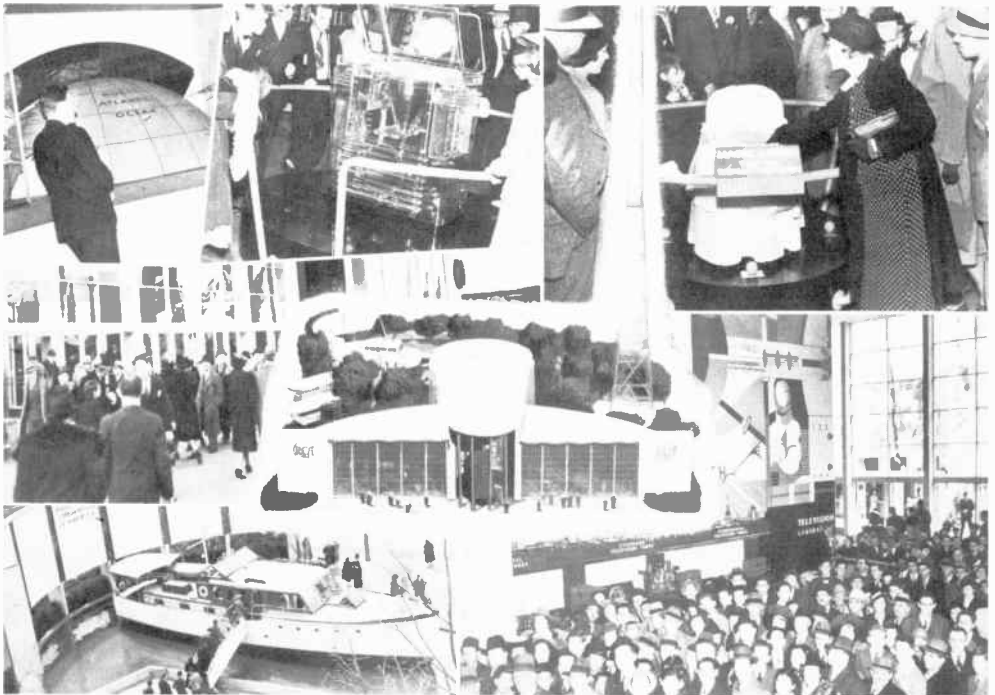


MUNICIPAL POLICE STATIONS

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	WONI	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	WAKF	Everett, Mass.	1712
WPDO	Akron, Ohio	2458	WPHY	Elizabeththn, Tenn.	2474	KNPF	Everett, Wash.	2414
KPDA	Fairmont Hospital Property, Calif.	1658	KGOZ	Cedar Rapids, Iowa	2466	WPHJ	Fairmont, W. Va.	2490
KQBR	Alameda, Calif.	30700	KGHW	Centralia, Wash.	2414	WAKV	Fall 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
WOKV	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	Fremont, Ohio	2474
WMPJ	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	KRPV	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	WENB	Cleveland, Ohio	2458	KQCI	Glendale, Calif.	33940
W9XO	Aurora, Ill.	33100	WRBH	Cleveland, Ohio	2458	KASG	Willows, Calif.	2422
KQBG	Austin, Minn.	37100	KNFA	Clovis, N. M.	2414	KQAV	Grand Island, Neb.	33100
KGHU	Austin, Texas	2442	KGZP	Coffeyville, Kan.	2450	WPBE	Grand Rapids, Mich.	2442
WPFH	Baltimore, Md.	2414	WPGU	Cohasset, Mass.	1712	WQYC	Granite City, Ill.	31100
WQTL	Falmouth, Mass.	39900	WQNG	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	WCPM	Columbia, S. C.	2430	KPDG	Greeley, Colo.	2442
WRAR	Barnstable, Mass.	39900	WPFJ	Columbus, Ga.	2414	KNHB	Green Bay, Wis.	2383
WRAQ	Kings Highway, Barnstable, Mass.	39900	KQAO	Compton, Calif.	33100	WQKZ	Greensboro, N. Y.	33100
WBFP	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	Connersville, Ind.	2442	WQLG	Greenville, S. C.	33100
WQOB	Beaver, Pa.	37100	KQCE	Martinez, Calif.	30700	WQLE	Greenwich, Conn.	39900
KGJF	Beaumont, Texas	37220	KGHV	Corpus Christi, Tex.	2382	WQMT	Grosse Pointe, Mich.	37100
WBJP	Bedford, Ind.	2442	KBJA	Kelso, Wash.	2414	WRDR	Guthrie, Okla.	2450
WQTG	Bellefonte, Ill.	37100	WQMC	Cranford, N. J.	35900	WQJW	Hackensack, N. J.	37500
KACK	Bellingham, Wash.	2414	WPGK	Cranston, R. I.	2466	WRBJ	Haddonfield, N. J.	39500
WQNT	Belmont, N. J.	37100	WRAU	Danvers, Mass.	33100	WRAN	Haddon Hts., N. J.	35900
WAKL	St. Clairsville, Ohio	2430	WCIP	Crawfordsville, Ind.	2442	WQOX	Hamilton, Ohio	37100
WPKF	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	WQOL	Harrison, N. Y.	37500
WPLM	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, Mich.	31100	WQOO	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	Bound Brook, N. J.	37900	WPDV	Detroit, Mich.	2414	WQTI	Hingham, Mass.	37100
KBMP	Brawley, Calif.	2490	WQJW	Clinton, Ill.	2458	WQNL	Hollywood, Fla.	37100
KADQ	Brea, Calif.	2490	WQNG	Washington, D. C.	2422	WQIF	Holyoke, Mass.	31500
KASF	Bremerton, Wash.	2414	KNGH	Dodge City, Kan.	2474	KGPO	Honolulu, T. H.	1712
WPFW	Bridgeport, Conn.	2466	WQXO	Juneau, Wis.	31500	KHAA	Wahiawa, Oahu, T. H.	1712
WBRI	Bristol, R. I.	1712	KNFE	Duluth, Minn.	2382	KHAB	Kaneohe, T. H.	1712
WPHV	Bristol, Va.	2450	KNGK	Duncan, Okla.	2450	KHAC	Pearl City, Oahu, T. H.	1712
WMPB	Brockton, Mass.	1712	WQJW	Wheaton, Ill.	37500	WQOZ	Hopewell, Va.	37100
WQOY	Village Hall, Bronxville, N. Y.	37900	WDMP	Durham, N. C.	33100	KAPL	Hoquiam, Wash.	2414
WQKK	Brookline, Mass.	33500	WQLC	Eastchester, N. Y.	33100	WRAP	Hornell, N. Y.	37100
KGTH	Brownsville, Tex.	2382	WQLO	East Orange, N. J.	39500	KHTP	Houston, Texas	1712
KNGW	Brownwood, Texas	2458	WPEI	E. Providence, R. I.	1712	WQYD	Hull, Mass.	37100
WQTC	Brunswick, Ga.	33100	WQMH	Ecorse, Mich.	35900	WQYE	Hull, Mass.	37100
WQTO	Bucyrus, Ohio	2474	KNGJ	El Centro, Calif.	2490	WQZO	Huntington, N. Y.	2490
WMI	Buffalo, N. Y.	2422	KAPD	Eldorado, Kan.	2450	WQZA	Huntington, Ind.	2490
WPFJ	Buffalo, N. C.	2474	KPDE	Electra, Texas	2458	WQZB	Huntington, N. Y.	2490
KQBE	Burbank, Calif.	33500	WQNO	Elgin, Ill.	33100	KVFB	Huntington, W. Va.	33100
KQCM	Burlingame, Calif.	33100	WRAD	Elizabeth, N. J.	39100	KGHN	Huron, S. D.	2450
KQAR	Burlington, Iowa	2466	WQJX	Elmhurst, Ill.	37500	KNFB	Hutchinson, Kan.	2450
KBPD	Butte, Montana	2406	KGZM	El Paso, Texas	2414	WQZD	Idaho Falls, Idaho	2458
WIPC	Cairo, Ill.	2458	KQAB	El Reno, Okla.	2450	WQST	Indianapolis, Ind.	2442
			WASF	Elwood, Ind.	2442		Indian Hill, Ohio	33100
			WQPK	Englewood, N. J.	33500			
			WOLS	Enid, Okla.	33100			
				Erie, Pa.	37100			

MUNICIPAL POLICE STATIONS — (Continued)

Call Letters	Location	Freq'cy Kcs.	Call Letters	Location	Freq'cy Kcs.	Call Letters	Location	Freq'cy Kcs.
KGZT	Santa Cruz, Calif.	1674	KQCR	Stockton, Calif.	33100	WPJA	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	WQJG	Wellesley, Mass.	35900
WQRB	Schenectady, N. Y.	37100	WQSX	Tallahassee, Fla.	33100	WQNV	West Chester, Pa.	33100
WQOJ	Scituate, Mass.	37100	WFPT	Tampa, Fla.	2466	WQOM	Westfield, N. J.	33100
WSPP	Scotch Plains, N. J.	2430	WPHN	Tampa, Fla.	2466	WQJI	W. Hartford, Conn.	31500
WQTV	Scranton, Pa.	33100	WQJO	Teaneck, N. J.	31500	WQRN	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	WQJV	Wheaton, Ill.	39500
WASP	Selma, Ala.	2382	KQDJ	Olympia, Wash.	2414	WQTV	Wheeling, W. Va.	33100
WQIA	Sewickley Heights, Pa.	33100	WTOP	Tiffin, Ohio	2474	WQKS	White Plains, N. Y.	37100
KACR	Penainole, Okla.	2450	WRDQ	Toledo, Ohio	2474	WQKD	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	KGJY	Wichita Falls, Texas	2458
KWCM	Shawnee, Okla.	2450	WRCD	Troy, N. Y.	33100	KGPZ	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	WPPD	Wilmington, Del.	31500
KNGP	Shreveport, La.	2430	KGPO	Tulsa, Okla.	2450	WDPW	Wilmington, N. C.	2458
KGPK	Sioux City, Iowa	2466	KQCC	Turlock, Calif.	37100	WQNU	Wilson, N. C.	31500
KNTI	Sioux Falls, S. D.	33100	WOLH	Tuscaloosa, Ala.	33100	WPWC	Rockford, Ill.	2458
KNFY	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	WQJ	Union, N. J.	37900	WQMS	Winston-Salem, N. C.	33500
WSSC	Spartanburg, S. C.	2430	WAGR	Urbana, Ill.	2458	WQJE	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	Woodsocet, R. I.	2466
WQMD	Springfield, Mass.	33500	WMPV	Valparaiso, Ind.	2490	WNGX	Worcester, Mass.	2466
WQME	Springfield, Mass.	33500	WQVX	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.	31100	WAKX	York, Pa.	2442
WRAZ	Spring Lake, N. J.	35500	KQBO	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

STANDARD BROADCASTING STATIONS

Monday

TIME	STATION	DIAL SETTING	PROGRAM

Tuesday

Wednesday

RADIO PROGRAM GUIDE

STANDARD BROADCASTING STATIONS

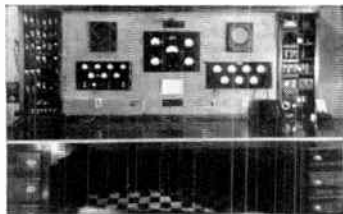
Thursday

TIME	STATION	DIAL SETTING	PROGRAM

Friday

Saturday

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 |

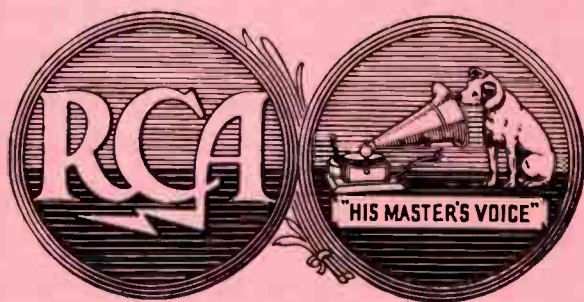
Therefore, please have one of your radio service men call at my home to check the trouble.

Name _____

Street Address _____

City _____ Phone _____

Make & Model of Radio _____ Please call _____



M. STEINERT & SONS

162 BOYLSTON STREET

BOSTON, MASS.