

# RADIO TRAVEL-LOG



PRICE 15¢



Programs emanate from the modern broadcast studio with remarkable fidelity. They should be received in your home the same way.

## HAVE YOU A "RADIO EAR"?

Inferior, weak or badly worn tubes in home radios often mean noise, distortion or actual elimination of certain tones. This condition generally develops so gradually you may not even be aware of it. The result may be what one well-known sound engineer has dubbed as a "radio ear"—an ear that comes to accept decidedly inferior radio reception as good reception. This happens because you do not have any ready means for comparing present reception with what your radio could actually do if its tubes were functioning properly.

The fact is that probably half of all radios now in operation could be greatly improved by replacing worn tubes with new RCA Victor's.

Have your tubes tested regularly. Don't wait for them to fail completely—any more than you'd wait for your automobile to break down before giving it the occasional attention it requires! Replace bad ones with long-life RCA Victor's. Chances are you'll be pleasantly surprised at the truly remarkable improvement in reproduction; increased volume with less power used, less noise and amazing fidelity to the richness of the broadcast itself.

Your ear will tell you the difference!

*See back cover for reliable service dealer who will be glad to test your tubes and tell you the exact condition of each*



# RCA Victor RADIO TUBES

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

In Canada: RCA Victor Company Limited, Montreal



# RADIO'S *Greatest Thrill!*

Fewer than 20 years ago, radio listeners thrilled at receiving broadcasts from stations only a hundred miles or so distant. A faint thread of music, dimly heard against the dashing of "static" was regarded as something in the nature of a miracle . . . as indeed it was.

But it was only the beginning of an even greater miracle. Steadily but surely, greater distances were spanned and the quality of radio reception immeasurably improved.

Then, one night within easy memory of most of us, practically all of the English broadcasting stations joined in a concerted effort to project the voice of "John Bull" across the Atlantic. Enthusiastic American listeners bought new tubes, new batteries and put up new aerials for the occasion—but, generally speaking, this early transatlantic broadcasting attempt was a failure.

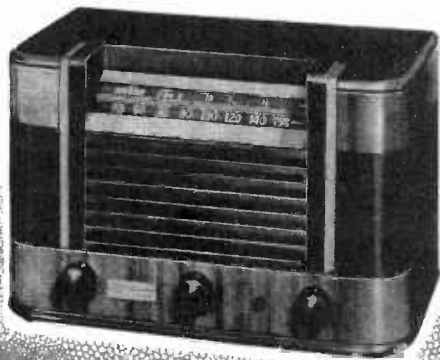
Today, however, with tremendously powerful stations, with utilization of the short waves and with inexpensive receivers of hitherto unknown possibilities, all of this is changed. Short-wave broadcasts *direct* from all parts of the world are received with comparative ease and come as a welcome diversion to the listener to whom

standard domestic broadcasts have long since lost the zest of novelty.

His is the thrill of spanning the farthest reaches of the world—of entering directly into the life, thought and entertainment of far-away peoples—of participating in a never-ending radio search for strange stations, the reception of which represents an achievement comparable to outstanding performance in any other hobby or sport.

Small wonder then that thousands of listeners spend far more time on short-wave adventuring than ever before or that the number of radio listeners who are re-discovering the Aladdin's Lamp possibilities of their short-wave dial is increasing by leaps and bounds. Small wonder that clubs of short-wave listeners have been formed throughout the world, or that individual records of outstanding reception are as highly prized as valuable stamp collections or trophies for achievement in any sport.

Short-wave listening is truly Radio's greatest thrill—a real adventure, a sport worthy of your best efforts, an absorbing hobby—and having the added advantage of holding a high degree of educational and entertainment value.





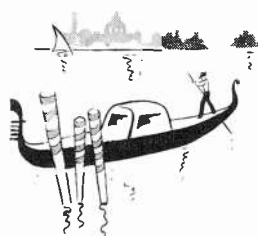
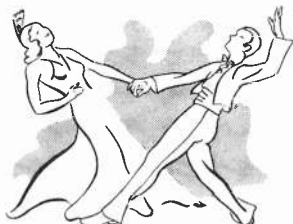
# VAGABONDING 'Round the

Turn the dial slowly. Don't be fooled by that "whistle" or "click" which may come as you pass a given point. It may be a short-wave signal coming from the remote ends of the earth—far weaker than ordinary broadcast signals you have been accustomed to—but a signal, nevertheless, and probably capable of being tuned-in with surprising clarity if you exercise a little care in manipulating the dial.

There it is—an announcer speaking in English and with a British accent you'd recognize anywhere. London? No! With a flash comes realization that you are listening direct to a news broadcast from Australia, half way around the world. You score a "beat" on your own newspaper in getting word of the sinking of a raider off some strange Pacific island.

London itself is on another wave length. You tune it with comparative ease, but you no longer hear the bong of Big Ben striking the hour with which certain British Broadcasts used to be identified. Big Ben doesn't strike now—not with enemy airplanes on the alert for such sounds to guide them. You listen to news. You hear some of the world's finest music. Perhaps the microphone is even placed to enable you to hear the weird drone of air raid sirens as another attack swoops down and anti-aircraft batteries open up.

Again you



dial. What now? Germany? . . . Sure enough: "Hello, America. Here is Berlin on our regular evening program to America" . . .

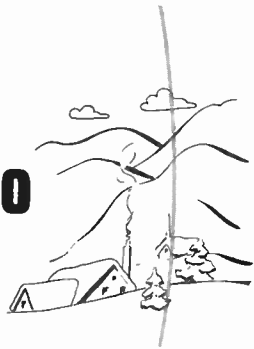
And so your short-wave tour of the world continues. You can travel the world over and never leave the comfort of your favorite easy chair. Bombay—Rio de Janeiro—Rome—Paris—Sydney—Tokio—Ankara—Capetown—Bandoeng—all of these and countless more pass in review—places you know, as well as places which, previously, have been no more than an impersonal, unknown dot on your map of the world. As captain of a "dream ship" you can chart a course to suit your fancy—wherever mystery, enchantment, entertainment and education await to be tuned in via your short wave dial.

You will find the War reflected strongly in many of these short-wave broadcasts. You listen to famous rulers, dictators and statesmen speaking. You hear propaganda broadcasts—news and near news. Through it all you gain a far better realization of what is meant when we say the world is getting smaller.

But all of us must have relief from war-time strain and such relief is afforded by the short waves in full measure.

Perhaps you would like to relax to plaintive Hawaiian melodies played by real Hawaiian musicians under the palms. Perhaps you would like to thrill to the rhythm of a rumba played as only a Cuban or South American orchestra can play it. Or, perhaps you want to brush up on your knowledge of some foreign language,

# World VIA SHORT-WAVE RADIO



not as it may be taught in schools, but as it is actually used in the country of its origin.

The news factor is an important one, too—not only run-of-the-mill news direct from the source but “spot” news of world-wide importance. Time and again, the account of an earthquake, flood, rebellion or some other major



disaster has first reached the outside world via short-wave radio.

It seems strange that short waves were once regarded

as being practically useless for broadcasting purposes. Since then, however, they have been proved to be the most effective of all for long-distance broadcasting, and developments have followed thick and fast with shorter and still shorter frequencies being utilized. Today, the short waves are an “Open, Sesame!” to what countless listeners regard as the greatest thrill that modern radio affords. Broadcasts from the far reaches of the world are yours for the dialling, either during the day or into the wee small hours of the night.



W4ZZZ. This is W1XYZ calling W4ZZZ.”

That is the fellow who lives a few doors away from you calling another “ham” on his amateur transmitting set. You used to hear him talking with an English lieutenant stationed in the

Egyptian Sudan or contacting another amateur in Venezuela. Now, with restrictions imposed because of international conditions, he must confine his activities to this country.

Another move to still another band and “Hello, Columbus—Hello, Columbus. Flight 72 calling. We are now over Dayton. Ceiling unlimited, visibility 20 miles. We will be coming in in about 20 minutes. That is all.”

Sure! Commercial aviation. You are tuned to the bands used by airplanes in making their reports.

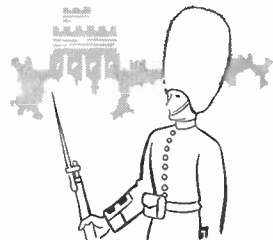
Here’s still another one—a police station from a distant city: “Calling Cars 15 and 22, Calling Cars 15 and 22. Block road to Wooster. Hold-up at Swan Club. Investigate all cars. Suspects believed using blue Ford 2-door sedan . . .”



Whoa! Wait a minute. Here’s one from your own local police department: “Car 69, Car 69

go to 5th and Watson and investigate an accident. Two people believed killed . . .” Say—that’s right around the corner. Maybe you’d better doff those bedroom slippers and go have a look . . .

And so it goes. There’s never a dull moment for the short-wave, world-wide adventurer. Always something new—something different—something to provide a fascinating diversion from the regular run of standard broadcasts, however fine they may be!



# SHORT WAVES . . . *What They*

Perhaps the best way to understand something of the action and principle of radio waves is to compare them with ocean waves.

Thus, by referring to Diagram 1, we see that *wave length* is simply the distance from crest to crest—from the top of one wave to the top of the next. The *frequency* is the number of waves that roll past a given point in one second. Since the speed is the same, it is then readily understandable that, the higher the frequency, the shorter the radio wave. If more waves pass the flagpole shown in the diagram in one second, they must be shorter waves.

The wave length of a broadcast signal is measured in meters, a meter being slightly more than 3 feet long. Frequency is expressed in terms of kilocycles or megacycles. A kilocycle is 1000 cycles—meaning, of course, that 1000 waves pass a given point in one second of time. One megacycle is 1000 kilocycles, the term megacycle being used for convenience in short-wave work where frequencies running into thousands of kilocycles would otherwise result in clumsy figures. For example, 49.7 megacycles is much easier to read than 49,700 kilocycles.

## FREQUENCY CONVERSION

To convert kilocycles into meters, simply divide 300,000 by the number of kilocycles. Thus, station WJZ which broadcasts on a frequency of 770 kilocycles, transmits a wave length of  $300,000 \div 770$ , or 389.6 meters long. Station GSG in Daventry, England, 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.

It is interesting to note that a thunderstorm which will often mar reception on the standard broadcast bands will have little or no effect on short-wave reception. This is so, because thunderstorm "static" is confined largely to the longer wave lengths. Conversely, man-made

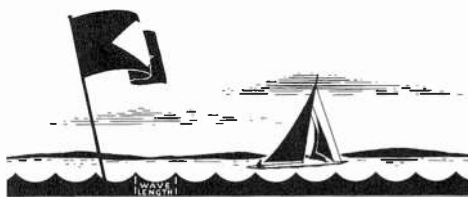


DIAGRAM 1

static such as that created by automobile ignition systems, oil-burners, trolley lines and other electrical units, is likely to mar listening-in on the short waves whereas it will have little or no effect on standard broadcast reception.

## REDUCING STATIC NOISES

Man-made static of this sort which may interfere with your short-wave reception does not necessarily come from appliances in your own home. It may be carried there via electric light or telephone lines from distant sources over which you have no control. Your own noise-making appliances can readily be filtered by installation of suitable condensers and chokes.

To guard against noise from distant sources, however, the installation of an RCA Noise-reducing Antenna is recommended. Not only does such an antenna come as a real boon to short-wave reception but it will prove equally useful on standard broadcast band reception. Your RCA Tube or Service Dealer will gladly explain the advantages of this antenna and can install one for maximum efficiency at low cost.

## TUNING SHORT-WAVE BROADCASTS

Radio signals reaching your antenna from far-off short-wave stations may be hundreds of times weaker than those from nearby standard-band stations. Consequently, short-wave dialing is a more complicated art than tuning-in ordinary standard broadcasts—a fact which

## HOW SHORT WAVES TRAVEL . . .

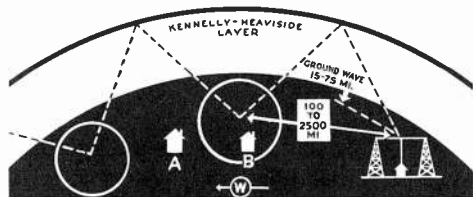


DIAGRAM 2. Showing why, because of "Skip Distance," house A cannot receive the sky wave while house B can.

Both a ground wave and a sky wave leave the transmitter. The former travels over the ground for only a short distance. The sky wave, however, travels skyward for approximately 100 miles until it strikes an atmospheric stratum known as the Kennelly-Heaviside Layer. This Layer reflects the wave back to earth at a distance of anywhere from 90 to 2500 miles at which point it may generally be received over a considerable area. This results in "Skip Distance"—an area not covered by either the ground wave or sky and where, consequently, the station cannot be received.

# Are... How to Receive Them

adds much of the zest and thrill to the sport.

Radio stations broadcast on frequency channels ten kilocycles wide. There are only 990 kilocycles or 99 channels in the broadcast band whereas, on the short waves, there are literally thousands of channels.

In other words, a turn of the dial on the broadcast band and you pass over just 99 places at which to get stations. However, a turn of the short-wave dial, and you pass over thousands of channels. This means that slow, careful tuning is necessary. A mere click or squeal when the dial is rotated rapidly may turn out to be a clear, powerful broadcast when tuned-in correctly.

A station broadcasting on 6.00 megacycles should be heard on the line where the number "6" appears on the dial. A station broadcasting on 6.10 megacycles should be heard on the first calibrated line after the figure "6" and so on.

It is important to remember that the longer short waves travel best through darkness while the shorter (ultra) short waves travel best through daylight.

For example, a 49-meter wave can be heard well at night over an almost unlimited distance, whereas, during daytime, it can be heard only from 100 to 200 miles away. On the other hand, 16-meter waves may be received from thousands of miles during the day, but not more than 15 miles or so at night.

## A GENERAL TUNING GUIDE

A general tuning guide is this: For Asiatic or Oceanic stations, try between 6:00 P.M. and 10:00 A.M. the following day; for African stations try from noon to 6:00 P.M.; for European stations tune from 6:00 A.M. up to midnight; and for American stations, both South and Central, dial from 5:00 P.M. to midnight.

Another guide: For stations between 4.00 and

7.00 megacycles, tune only after dark, bearing in mind that these stations are received best during the Fall and Winter. For stations from 7.00 to 11.00 megacycles, tune either day or night, Summer or Winter. For stations from 11.00 to 15.00 megacycles, tune day and night in Summer and in daytime only in Winter. For stations from 15.00 to 20.00 megacycles, tune in daylight only, both Summer and Winter.

These guides are, of course, only roughly accurate. Frequent exceptions will be found. Moreover, the guides apply only to distant short-wave stations. Nearby stations up to 300 miles or so including amateur, aircraft, police and governmental can generally be heard at any hour.

## TIME SCHEDULE INFORMATION

The Time Schedule of short-wave stations included in this book will prove distinctly helpful to short-wave listeners. While this was accurate according to the latest information at the time of printing, it must be remembered that broadcasting schedules occasionally change. Thus the Schedule should be supplemented with short-wave information from your daily newspaper or radio periodical.

Most of the leading short-wave stations use special sayings or songs which serve as identification "signatures." After a little practice, a listener can become sufficiently familiar with these so that identification comes easy, even when some foreign language is used.

Should you be interested in verifying the reception of foreign broadcasts, write to the station telling what you heard, when you heard it and how it was received. Most stations are glad to get reception reports and will send letters or cards in reply to good reports, providing return postage is sent. Saving these "verification" cards is a fast-growing hobby.

"Skip Distance" as shown herè, varies with daylight, darkness, atmospheric conditions and the resulting varying altitude of the Kennelly-Heaviside Layer. Thus, the accompanying diagram illustrates how a variation in the altitude of the Layer will bring the sky wave within reach of house A but not of house B—the reverse of Diagram 2 on the opposite page.

It should be remembered that all stations have different "skip distance" zones and that, although you may be within "skip distance" of a few stations, there will still be many stations that you can receive successfully.

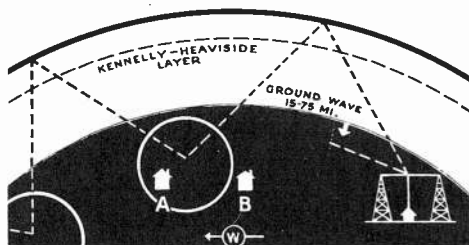


DIAGRAM 3. Showing the changed reception conditions resulting from increased altitude of the Kennelly-Heaviside Layer.

# TIME SCHEDULE

## of U. S. and Foreign Short-Wave Stations

The following is a comprehensive list of the principal short-wave stations of the world, as of March 1, 1940. Included also are a number of smaller stations sometimes heard by American listeners under favorable conditions.

It must be remembered that time schedules are sometimes changed. A few stations alter their schedules with the seasons in order to take advantage of favorable atmospheric conditions for reaching different parts of the world. Thus, although the Time Schedules given here were correct at the time of printing, the listener should recognize the possibility of occasional change and make allowances accordingly.

The Table is easily read once you are familiar with its form:

If you are operating your receiver under Eastern Standard Time, you must base your readings from the horizontal column (second from top) which refers to Eastern Standard Time. Where X is shown in the listing, the station broadcasts the entire hour. Where  $\frac{1}{4}$ ,  $\frac{1}{2}$  or  $\frac{3}{4}$  is shown at the beginning of a schedule, it means that the station comes on the air at the quarter hour, half hour or three-quarter hour mark respectively. Where these fractions appear at the end of a schedule, it means that the station signs off at that respective fraction of the hour.

Illustration:  $\frac{1}{2}$  1 2 3 4 5 6 7  
 $\frac{1}{2}$  X X X  $\frac{1}{4}$

Station starts at 2:30 and signs off at 6:15

		Eastern Daylight Saving Time												Eastern Standard Time												Central Standard Time												Mountain Standard Time												Pacific Standard Time											
		2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10	11	M	1																								
		1	2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10	11	M																								
		M	1	2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10	11																								
		11	M	1	2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10																								
		10	11	M	1	2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9																								
Freq.	Call	Place																																																											
4.25	RV-15	Khabarovsk, Russia																																																											
4.29	COX-7	Havana, Cuba																																																											
4.75	HJEH	Buenaventura, Col.																																																											
4.75	YV1RV	Maracaibo, Venez.																																																											
4.76	YV4RO	Valencia, Venez.																																																											
4.77	HJGB	Bucaramanga, Col.																																																											
4.77	YV1RY	Coro, Venez.																																																											
4.78	YV3RN	Baraquimeto, Venez.																																																											
4.78	HJAB	Barranquilla, Col.																																																											
4.79	YV6RU	Bolívar, Venez.																																																											
4.79	HJDX	Medellin, Col.																																																											
4.80	HJDU	Medellin, Col.																																																											
4.81	HJBB	Cucuta, Col.																																																											
4.81	YV1RL	Maracaibo, Venez.																																																											
4.82	HJED	Cali, Col.																																																											
4.83	HJAE	Cartagena, Col.																																																											
4.83	YV2RN	San Cristobal, Venez.																																																											
4.84	YV1RZ	Valera, Venez.																																																											
4.86	YV5RU	Caracas, Venez.																																																											
4.87	HJFH	Armenia, Col.																																																											
4.88	HJDP	Medellin, Col.																																																											
4.89	YV5RM	Caracas, Venez.																																																											
4.89	HJCH	Bogota, Col.																																																											
4.92	YV5RN	Caracas, Venez.																																																											
4.92	HJAP	Cartagena, Col.																																																											
4.94	HJCV	Bogota, Col.																																																											
4.96	VUD-2	Delhi, India																																																											
5.15	PMY	Bandoeng, Java																																																											
5.56	HUB	San Salvador																																																											
5.87	HRN	Tegucigalpa, Hond.																																																											
5.91	TIGPH	San Jose, Costa Rica																																																											
5.94	TG2-X	Guatemala City																																																											
5.96	H11J	San Pedro de Macoris, D. R.																																																											
5.97	VONNH	St. John's, Newfoundland																																																											
5.98	HH2S	Port-au-Prince, Haiti																																																											
6.00	XEBT	Mexico City, Mexico																																																											
6.00	HP5K	Colon, Panama																																																											
6.00	CFCX	Montreal, Canada																																																											
6.01	CJCX	Sydney, N. S., Canada																																																											
6.02	OAX4P	Huanacayo, Peru																																																											
6.02	PRA-8	Pernambuco, Brazil																																																											
6.02	HJCX	Bogota, Col.																																																											
6.02	H13U	Santiago, D. R.																																																											
6.02	DJC	Berlin, Germany																																																											
6.02	XEUW	Vera Cruz, Mexico																																																											











# SHORT-WAVE STATIONS *by Countries*

City	Call	Freq'y (Mc.)	Power Watts
<b>ALBANIA</b>			
Tirana.....	ZAA	6.08	
<b>ANGOLA</b>			
Lobito.....	CR6AA	7.17	100
		9.09	100
<b>ARGENTINA</b>			
Buenos Aires.....	LRA-1	9.69	1,000
	LRA-2	6.18	1,000
	LRU	10.35	10,000
	LRX	15.29	10,000
<b>AUSTRALIA</b>			
Sydney.....	VLQ	9.61	20,000
	VLQ-2	11.87	20,000
	VLQ-5	9.68	20,000
	VLQ-7	17.80	20,000
Melbourne.....	VLR	9.58	3,000
	VLR-3	11.88	3,000
Perth.....	VLW-2	9.65	2,000
	VLW-3	11.85	2,000
	VLW-4	9.66	2,000
	VLW-5	6.18	2,000
<b>BAHAMAS</b>			
Nassau.....	ZNS	6.09	200
<b>BOLIVIA</b>			
La Paz.....	CP-5	6.20	
Sucre.....	CP-1	9.89	
<b>BRAZIL</b>			
Pernambuco.....	PRA-8	6.02	5,000
	PRA-9	11.67	5,000
Rio de Janeiro.....	PRF-5	9.50	60,000
	PSH	10.22	4,000
<b>BRITISH GUIANA</b>			
Georgetown.....	VP3BG	6.13	400
<b>BRITISH HONDURAS</b>			
Belize.....	ZIK-2	10.60	200
	ZIK-3	5.03	200
<b>BRITISH WEST INDIES</b>			
St. Kitts.....	ZIZ	6.38	500
<b>CANADA</b>			
Montreal.....	CFCX	6.00	
Toronto.....	CFRX	6.07	300
Sydney.....	CJCX	6.01	1,000
Winnipeg.....	CJRC	6.15	2,000
	CJRX	11.72	2,000
Halifax.....	CHNX	6.13	500
Calgary.....	CFVP	6.03	100
<b>CANARY ISLANDS</b>			
Santa Cruz.....	EAJ-43	10.37	20,000
<b>CEYLON</b>			
Colombo.....	Colombo	6.16	500
<b>CHILE</b>			
Santiago.....	CB-960	9.60	1,000
	CB-1170	11.70	1,000
	CB-1180	11.80	1,000
Valdivia.....	CB-1190	11.91	1,000
Valparaiso.....	CB-970	9.70	1,000
<b>CHINA</b>			
Chungking.....	XGOX	9.50	10,000
		11.90	10,000
	XGOY	15.20	10,000
Kweiyang.....	XPSA	8.48	10,000
<b>COLOMBIA</b>			
Barranquilla.....	HJAB	4.78	3,000
	HJAG	6.04	1,000
Bogota.....	HJCD	6.16	1,000
	HJCF	6.07	1,000
	HJCH	4.89	1,000
	HJCW	4.94	1,000
	HJCX	6.02	1,000
Buenaventure.....	HJEH	4.75	1,000

City	Call	Freq'y (Mc.)	Power Watts
<b>COLOMBIA Continued</b>			
Cali.....	HJED	4.82	1,000
Cartagena.....	HJAE	4.83	1,000
	HJAP	4.92	1,000
Cucuta.....	HJBB	4.81	750
Medellin.....	HJDE	6.14	1,500
	HJDP	4.88	2,500
	HJDU	4.80	1,000
	HJDX	4.79	1,000
Pereira.....	HJBJ	4.86	1,500
	HJFK	4.86	2,500
<b>COSTA RICA</b>			
Guanacaste.....	TI7RVM	5.98	100
Heredia.....	TI4NRH	9.69	500
San Jose.....	TIEP	6.69	500
	TIGPH	5.83	1,500
	TIEMT	10.06	200
	TIPG	9.62	1,000
	TIRCC	6.18	50
	TI2RS	7.45	250
	TI2XD	11.92	1,000
<b>CUBA</b>			
Camaguey.....	COJK	8.66	1,000
Havana.....	COBC	9.35	1,000
	COBX	9.15	500
	COBZ	9.03	250
	COCA	9.10	100
	COCD	6.13	250
	COCH	9.43	5,000
	COCM	9.81	1,000
	COCO	8.70	2,500
	COCQ	8.83	5,000
	COCW	6.32	200
	COCX	11.74	1,000
	COK	11.57	2,000
		16.50	2,000
	COX-4	6.39	500
	COX-7	4.29	500
Mantanzas.....	COGF	11.80	1,000
Santa Clara.....	COHI	6.47	300
Sancti-Spiritus.....	COHB	6.28	2,000
Santiago.....	COKG	8.96	2,400
<b>CZECHOSLOVAKIA</b>			
Prague.....	OLR4A	11.84	25,000
	OLR5B	15.23	25,000
<b>DOMINICAN REPUBLIC</b>			
La Vagas.....	HI8J	6.39	25
La Romana.....	HI3C	6.10	100
San Cristobal.....	HI9T	6.12	40
San Francisco.....	HI4V	6.17	100
San Pedro de Macoris.....	HI1J	5.96	400
	HI2M	6.99	100
	HIH	6.78	250
Santiago de los Cabarelllos.....	HI1A	6.19	15
	HI1L	6.49	250
	HI1S	6.42	740
	HI3U	6.01	125
	HI9B	6.67	200
Ciudad Trujillo.....	HI1G	6.28	200
	HI2G	9.30	200
	HI1N	6.24	250
	HI1X	6.35	300
	HI2X	11.97	300
	HI3X	15.27	300
	HI1Z	6.31	280
	HI2D	6.20	100
	HI6H	6.11	250
	HIL	6.50	250
	HIT	6.63	100
<b>ECUADOR</b>			
Guayaquil.....	HC2CW	9.13	
	HC2ET	4.60	500
	HC2JSB	7.85	50
	HC2ODA	9.44	50
	HC2RL	6.64	150
Quito.....	HCJB	12.46	1,000
	HCETC	9.35	200
	HC1GQ	9.17	100
Rio Bamba.....	Prado	6.62	1,000

# SHORT-WAVE STATIONS *by Countries cont.*

City	Call	Freq'cy (Mc.)	Power Watts
<b>ENGLAND</b>			
Daventry.....	GRU	9.45	25,000
	GRW	7.28	to
	GRX	9.69	100,000
	GRY	9.60	
	GSA	6.05	
	GSB	9.51	
	GSC	9.58	
	GSD	11.75	
	GSE	11.86	
	GSF	15.14	
	GSG	17.79	
	GSH	21.47	
	GSI	15.26	
	GSJ	21.53	
	GSL	6.11	
	GSN	11.82	
	GSO	15.18	
	GSP	15.31	
	GST	21.55	
	GSV	17.81	
<b>FRANCE</b>			
Closed down on account of war.			
<b>FIJI ISLANDS</b>			
Suva.....	VPD-2	9.54	400
<b>FRENCH INDO-CHINA</b>			
Saigon.....		6.11	5,000
		11.78	5,000
<b>GERMANY</b>			
Berlin.....	DJA	9.56	10,000
	DJB	15.20	to
	DJC	6.02	100,000
	DJD	11.77	
	DJE	17.76	
	DJH	17.84	
	DJL	15.11	
	DJN	9.54	
	DJP	11.85	
	DJQ	15.28	
	DJR	15.34	
	DJS	21.54	
	DJW	9.65	
	DJX	9.67	
	DJY	15.24	
	DJZ	11.80	
	DKB	9.61	
	DXJ	7.24	
	DZC	10.29	
	DZD	10.54	
	DZH	14.46	
<b>GUATEMALA</b>			
Guatemala City.....	TG2	6.19	200
	TG2X	5.94	200
	TGS	5.74	200
	TGWA	9.68	10,000
	TGWB	6.49	10,000
<b>HAITI</b>			
Port-au-Prince.....	HH2S	5.95	100
	HH3W	9.90	150
<b>HONDURAS</b>			
La Ceiba.....	HRD	6.23	250
San Pedro Sula.....	HRP1	6.36	100
Tegucigalpa.....	HRN	5.87	500
<b>HUNGARY</b>			
Budapest.....	HAS	15.37	5,000
	HAT-4	9.12	5,000
	HAS-3	11.83	
<b>INDIA</b>			
Bombay.....	VUB2	4.88	10,000
		9.55	10,000
Calcutta.....	VUC-2	4.85	10,000
		9.53	10,000
Delhi.....	VUD-2	4.96	10,000
	VUD-3	15.16	10,000
	VUD-4	11.83	10,000
Madras.....	VUM-2	4.92	10,000
<b>IRISH FREE STATE</b>			
Athlone.....		9.59	1,500
		17.84	1,500

City	Call	Freq'cy (Mc.)	Power Watts
<b>ITALY</b>			
Rome.....	2RO-1	6.08	25,000
	2RO-2	6.93	25,000
	2RO-3	9.63	25,000
	2RO-4	11.81	25,000
	2RO-5	15.17	25,000
	2RO-6	15.30	25,000
	2RO-7	17.17	25,000
	2RO-8	17.82	25,000
	2RO-9	9.67	25,000
	2RO-10	15.18	25,000
	2RO-11	7.22	25,000
	2RO-13	11.90	25,000
	2RO-14	15.23	25,000
	2RO-15	11.76	25,000
	2RO-16	21.51	25,000
	2RO-20	17.85	25,000
	ICC	6.35	10,000
	IRF	9.84	10,000
	IQY	11.67	10,000
<b>JAMAICA</b>			
Kingston.....	ZQI	4.70	200
<b>JAPAN</b>			
Dairen.....	JDY	9.92	10,000
Taihoku.....	JFO	9.64	1,000
Tokio.....	JLG	7.28	50,000
	JLG-2	9.50	50,000
	JLG-3	11.78	50,000
	JLG-4	15.11	50,000
	JVW	7.26	50,000
	JVW-3	11.72	50,000
	JVZ	11.81	50,000
	JZI	9.53	50,000
	JZJ	11.80	50,000
	JZK	15.16	50,000
	JLS-2	17.84	50,000
<b>MARTINIQUE</b>			
Fort-de-France.....		9.70	1,500
<b>MEXICO</b>			
Guadalajara.....	XEDQ	9.53	250
Hermosillo.....	XEBR	11.83	150
Jalapa.....	XEBF	6.09	100
Mexico City.....	XEBT	6.00	1,000
	XECR	7.38	20,000
	XKUZ	6.12	1,000
	XEWI	6.01	250
	XEWW	9.50	9,000
	XEXA	6.17	300
Monterrey.....	XETA	9.55	1,000
Morelia.....	XEKW	6.03	50
Vera Cruz.....	XEFT	6.12	100
	XEUW	6.02	1,000
<b>MOZAMBIQUE</b>			
Lourenco Marques.....	CR7AA	6.14	300
	CR7AB	3.49	300
	CR7BD	15.25	10,000
	CR7BE	9.71	10,000
	CR7BH	11.72	300
	CR7BI	17.91	300
<b>THE NETHERLANDS</b>			
Hilversum.....	PCJ	9.59	20,000
	PCJ-2	15.22	20,000
Huizen.....	PHI	11.73	20,000
	PHI-2	17.77	20,000
<b>NETHERLAND EAST INDIES</b>			
Bandoeng.....	PLP	11.00	1,500
	PMH	14.63	1,000
	PMN	10.26	1,500
	PMY	5.14	1,500
	YDA	3.04	1,500
	YDB	9.55	1,500
	YDC	15.15	1,000
<b>NETHERLAND WEST INDIES</b>			
Curacao.....	PJC-1	5.96	150
	PJC-2	9.09	150
<b>NEWFOUNDLAND</b>			
St. John's.....	VONG	9.47	300
	VONH	5.97	300

# SHORT-WAVE STATIONS *by Countries cont.*

City	Call	Freq'cy (Mc.)	Power Watts
<b>NICARAGUA</b>			
Managua	YNLF	7.56	1,000
	YNLG	6.61	1,000
	YNOW	6.85	100
	YNPR	8.59	500
	YN3DG	7.66	200
Leon			
<b>NORWAY</b>			
Jeloy	LKJ	6.13	5,000
	LG	9.61	5,000
	LKQ	11.73	5,000
	LKV	15.17	5,000
Colon			
<b>PANAMA</b>			
Panama City	HP5F	6.08	250
	HP5A	11.70	300
	HP5B	6.03	200
	HP5G	11.78	1,500
	HP5J	9.61	2,600
HP5K	6.00	1,500	
<b>PARAGUAY</b>			
Asuncion	ZP-8	11.85	
Villarrica	ZP-14	11.72	2,000
<b>PERU</b>			
Arequipa	OAX6A	6.12	
	OAX1A	6.15	300
	OAX4P	6.02	250
	OAX4G	8.29	400
	OAX4Z	6.08	10,000
OAX4T	9.56	10,000	
<b>PHILIPPINES</b>			
Cebu	KZRC	6.11	1,000
Manila	KZRF	6.14	1,000
	KZRH	9.64	1,000
	KZRM	9.57	1,000
	KZIB	6.04	1,000
<b>PORTUGAL</b>			
Lisbon	CSW-4	15.21	10,000
	CSW-5	11.84	10,000
	CSW-6	11.04	10,000
	CSW-7	9.74	10,000
	CSW-8	7.26	10,000
<b>SALVADOR</b>			
Salvador	HUB	5.56	
	YSD	7.89	500
	YSM	11.71	500
<b>SPAIN</b>			
Madrid	EAQ	9.86	20,000
(All Spanish stations temporarily suspended except EAQ.)			
<b>SPANISH MOROCCO</b>			
Tetuan	EA9AH	14.03	500
<b>STRAIGHTS SETTLEMENT</b>			
Singapore	ZHO	6.01	400
	ZHP	9.69	400
<b>SWEDEN</b>			
Motala	SBO	6.06	12,000
	SBU	9.50	12,000
	SBP	11.70	12,000
	SBT	15.15	12,000
<b>SWITZERLAND</b>			
Geneva	HBF	17.45	20,000
	HBH	18.48	20,000
	HBJ	14.53	20,000
	HBL	9.34	20,000
	HBP	7.80	20,000
	HBQ	6.67-6.16	20,000
		11.40-11.96	20,000
<b>UNION OF SOUTH AFRICA</b>			
Capetown	ZRL	9.61	5,000
Durban	ZRD	6.14	5,000
	ZRO	9.75	5,000
Klipheuvell	ZRG	9.52	5,000
	ZRJ	6.09	5,000
Roberts Heights	ZRK	6.09	5,000
<b>TAHITI</b>			
Papeete	FO8AA	7.10	200

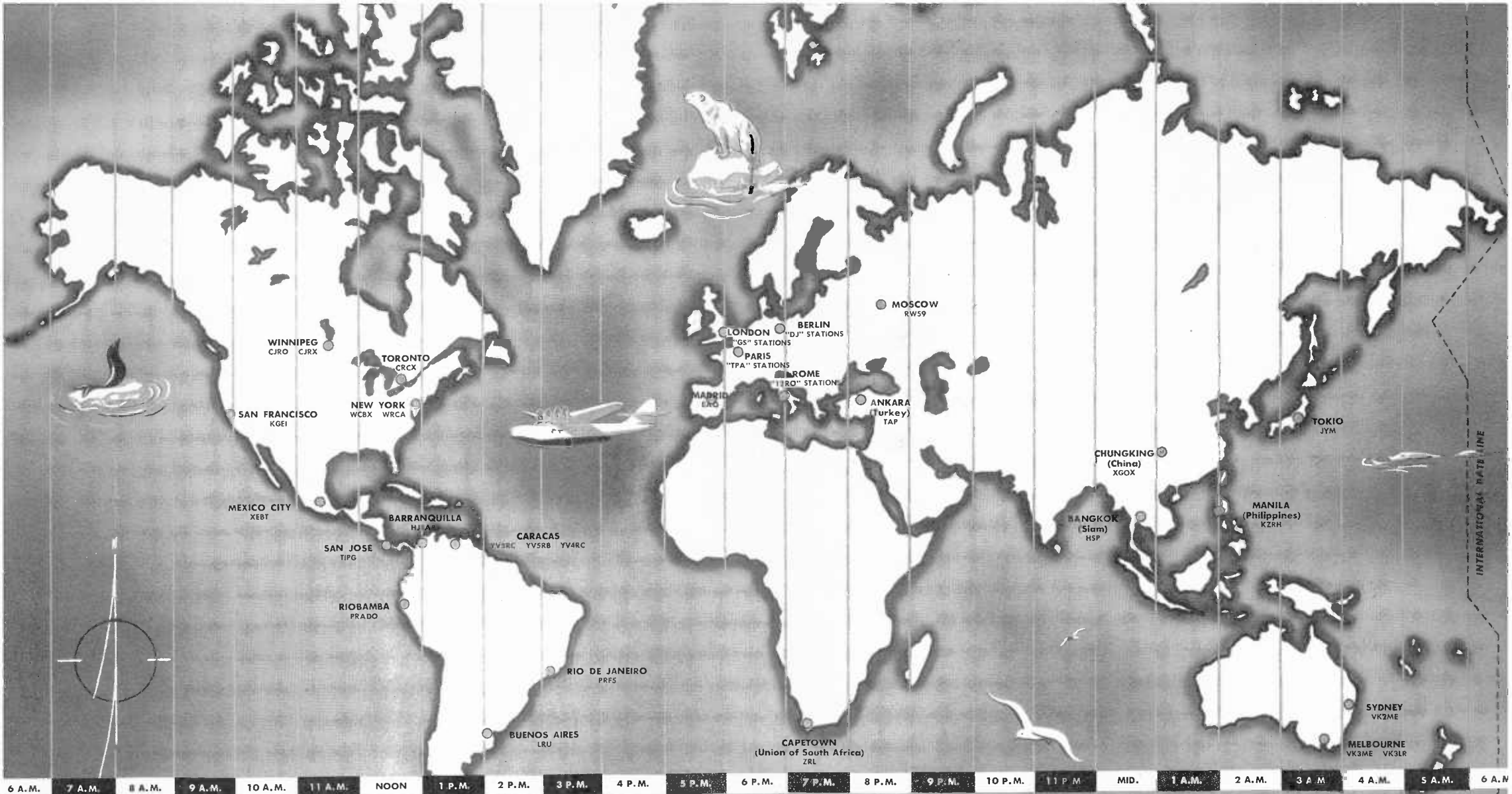
City	Call	Freq'cy (Mc.)	Power Watts
<b>THAILAND (SIAM)</b>			
Bangkok	HSP	11.71	20,000
	HS6PJ	19.02	20,000
<b>TURKEY</b>			
Ankara	TAP	9.46	20,000
	TAQ	15.19	20,000
<b>UNION OF SOVIET REPUBLICS</b>			
Khabarovsk	RV-15	4.25	5,000
Moscow		6.00	Variable
			to 100,000
(Also: 6.03; 6.89; 7.52; 7.54; 7.56; 9.01; 9.52; 9.60; 11.50; 11.72; 11.83; 11.91; 11.92; 11.93; 12.00; 12.07; 12.08; 13.92; 14.72; 15.04; 15.18; 15.41; 15.72; 15.80; 18.54)			
<b>UNITED STATES</b>			
Boston	WBOS	6.14; 9.57; 11.87; 15.21; 17.78; 21.54	50,000
	WRUL	6.04; 11.73; 11.79; 15.13; 15.35; 17.75; 21.46	20,000
Cincinnati	WRUW	11.73; 11.79; 15.13; 15.35; 17.75; 25.60	20,000
	WLWO	6.08; 9.59; 11.71; 15.25; 17.81; 21.65	50,000
Philadelphia	WCAB	6.06; 9.65; 11.83; 15.27; 21.52; 25.725	10,000
	WNBI	6.10; 11.89; 15.21; 21.63	35,000
New York	WRCA	9.67; 17.78; 21.63	50,000
	WCBX	6.12; 6.17; 9.65; 11.83; 15.27; 17.83; 21.57	10,000
San Francisco	KGEI	6.19; 9.53; 15.33	20,000
	WGEE	6.19; 9.55; 15.33; 21.50; 21.59	50,000
Schenectady	WGEO	6.19; 9.53; 15.15; 15.33	25,000
			100,000
<b>URUGUAY</b>			
Colonia	CXA-8	9.64	5,000
Montevideo	CXA-2	6.00	5,000
	CXA-4	6.12	3,000
	CXA-6	9.62	3,000
	CXA-9	9.44	5,000
	CXA-10	11.89	5,000
	CXA-19	11.69	5,000
<b>VATICAN</b>			
Vatican City	HVJ	6.03-9.50	25,000
		9.66-11.74	25,000
		15.12-17.84	25,000
<b>VENEZUELA</b>			
Acarique	YV3RF	3.49	500
Baraquimeto	YV3RN	4.78	600
Barcelona	YV6RC	3.45	
Bolivar	YV6RU	4.79	200
Caracas	YV5RM	4.89	2,500
	YV5RN	4.92	1,000
	YV5RS	3.35	5,000
	YV5RY	3.38	1,000
Coro	YV1RJ	4.97	
	YV1RY	4.77	250
Maracay	YV4RX	4.84	300
Maracaibo	YV1RL	4.81	300
	YV1RV	4.75	300
	YV1RX	4.89	350
Merida		3.42	
Puerto Cabello	YV4RQ	3.48	200
San Cristobal	YV2RN	4.83	1,000
Trujillo	YV1RO	3.34	200
Valencia	YV4RO	4.76	500
	YV4RP	3.46	
Valera	YV1RZ	4.84	700
<b>YUGOSLAVIA</b>			
Belgrade	YUA	6.10	1,000
	YUB	6.10	12,000
	YUC	9.50	12,000
	YUD	9.50	12,000
	YUE	11.73	12,000
	YUF	15.24	12,000
	YUG	15.24	12,000

# U. S. BROADCASTING STATIONS

## *by States and Cities*

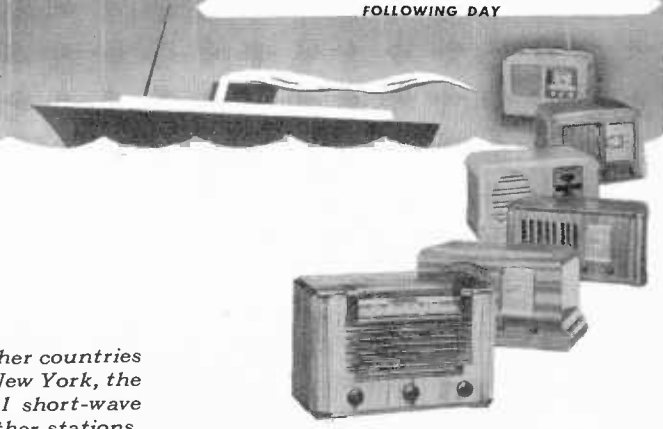
Call Letters	Location	New Freq'y in Kc.	Call Letters	Location	New Freq'y in Kc.	Call Letters	Location	New Freq'y in Kc.
<b>ALABAMA</b>			KROY	Sacramento	1240	WTMC	Ocala	1490
WHMA	Anniston	1450	KDB	Santa Barbara	1490	WDBO	Orlando	580
WAPI	Birmingham	1070	KTMS	Santa Barbara	1250	WLOF	Orlando	1230
WBRC	Birmingham	960	KFXM	San Bernardino	1240	WDLF	Panama City	1230
WBSN	Birmingham	1340	KFMB	San Diego	1450	WCOA	Pensacola	1370
WMSL	Decatur	1400	KFSB	San Diego	600	WFOY	St. Augustine	1240
WAGF	Dothan	1400	KGB	San Diego	1360	WSUN	St. Petersburg	620
WBEY	Gadsden	1240	KFRG	San Francisco	610	WTSP	St. Petersburg	1380
WBHP	Huntsville	1230	KGO	San Francisco	810	WSPB	Sarasota	1450
WALA	Mobile	1410	KJBS	San Francisco	1100	WTAL	Tallahassee	1340
WMOB	Mobile	1230	KPO	San Francisco	1680	WDAE	Tampa	1250
WCOV	Montgomery	1240	KSAN	San Francisco	1450	WFLA	Tampa	970
WSFA	Montgomery	1440	KSFO	San Francisco	560	WJNO	W. Palm Beach	1230
WMSD	Muscle Shoals City	1450	KYA	San Francisco	1260	<b>GEORGIA</b>		
WJHO	Opelika	1400	KQW	San Jose	740	WALB	Albany	1590
WHBB	Selma	1490	KVEE	San Luis Obispo	1230	WGPC	Albany	1450
WJRD	Tuscaloosa	1230	KVOE	Santa Ana	1490	WGAU	Athens	1340
<b>ARIZONA</b>			KSRO	Santa Rosa	1350	WAGA	Atlanta	1480
KWJB	Globe	1240	KGDM	Stockton	1130	WATL	Atlanta	1400
KCRJ	Jerome	1340	KWG	Stockton	1230	WGST	Atlanta	920
KSUN	Lowell	1230	KTKC	Visalia	920	WSB	Atlanta	750
KOY	Phoenix	550	KHUB	Watsonville	1340	WGAC	Augusta	1240
KPHO	Phoenix	1230	<b>COLORADO</b>			WMWH	Augusta	1450
KTAR	Phoenix	620	KGIW	Alamosa	1450	WRDW	Augusta	1490
KVCA	Prescott	1490	KVOR	Colorado Springs	1300	WMOG	Brunswick	1490
KGLU	Safford	1450	KFEL	Denver	950	WRBL	Columbus	1230
KTUC	Tucson	1400	KLZ	Denver	560	WMJM	Cordle	1490
KVOA	Tucson	1290	KMYR	Denver	1340	WBLJ	Dalton	1230
KYUM	Yuma	1240	KOA	Denver	850	WGGA	Gainesville	1240
<b>ARKANSAS</b>			KPOF	Denver	910	WKEU	Griffin	1450
KLCN	Blytheville	1320	KVOD	Denver	630	WLAG	La Grange	1240
KELD	El Dorado	1400	KIUP	Durango	1400	WBML	Macon	1240
KFPW	Ft. Smith	1400	KFXJ	Durango	1230	WMAZ	Macon	940
KTHS	Hot Springs	1090	KFKA	Greeley	910	WMGA	Moultrie	1400
KWFC	Hot Springs	1340	KOKO	La Junta	1400	WRGA	Rome	1490
KBTM	Jonesboro	1230	KIDW	Lamar	1450	WSAV	Savannah	1340
KARK	Little Rock	920	KGHF	Pueblo	1350	WTOC	Savannah	1290
KGHI	Little Rock	1230	KGEK	Sterling	1230	WPAX	Thomasville	1240
KLRA	Little Rock	1420	<b>CONNECTICUT</b>			WRLC	Toccoa	1450
KOTN	Pine Bluff	1490	WICC	Bridgeport	600	WGOV	Valdosta	1450
KUOA	Siloam Springs	1290	WNAB	Bridgeport	1450	WAYX	Waycross	1230
<b>CALIFORNIA</b>			WDRC	Hartford	1360	WDAK	West Point	1340
KERN	Bakersfield	1410	WHTT	Hartford	1230	<b>IDAHO</b>		
KPMC	Bakersfield	1600	WTIC	Hartford	1080	KIDO	Boise	1380
KRE	Berkeley	1400	WNBC	New Britain	1410	KID	Idaho Falls	1350
KMPC	Beverly Hills	710	WNLN	New London	1490	KRLC	Lewiston	1400
KHSL	Chico	1290	WATR	Waterbury	1320	KFXD	Nampa	1230
KXO	El Centro	1490	WBRY	Waterbury	1590	KSEI	Pocatello	930
KIEM	Eureka	1480	<b>DELAWARE</b>			KTFI	Twin Falls	1270
KARM	Fresno	1340	WDEL	Wilmington	1150	KWAL	Wallace	1450
KMJ	Fresno	580	WILM	Wilmington	1450	<b>ILLINOIS</b>		
KIEV	Glendale	870	<b>DISTRICT OF COLUMBIA</b>			WMRO	Aurora	1280
KFOX	Long Beach	1280	WINX	Washington	1340	WJBC	Bloomington	1230
KGFR	Long Beach	1390	WJSV	Washington	1500	WKRO	Cairo	1490
KECA	Los Angeles	790	WMAL	Washington	630	WCAZ	Carthage	1080
KFAC	Los Angeles	1330	WOL	Washington	1260	WDWS	Champaign	1400
KFI	Los Angeles	640	WRC	Washington	980	WAAF	Chicago	950
KFSG	Los Angeles	1150	WWDC	Washington	1450	WBMM	Chicago	780
KFVD	Los Angeles	1020	<b>FLORIDA</b>			WCBM	Chicago	1110
KFWB	Los Angeles	980	WDFJ	Daytona Beach	1450	WCFL	Chicago	1000
KGFJ	Los Angeles	1230	WPER	DeLand	1340	WCRW	Chicago	1240
KHJ	Los Angeles	930	WFTL	Ft. Lauderdale	1400	WEDC	Chicago	1240
KMTR	Los Angeles	570	WFTM	Fort Myers	1240	WENR	Chicago	890
KNX	Los Angeles	1070	WRUF	Fort Myers	850	WGES	Chicago	1390
KRKD	Los Angeles	1150	WJAX	Jacksonville	930	WGN	Chicago	720
KMYC	Marysville	1450	WJHP	Jacksonville	1320	WJLD	Chicago	1160
KYOS	Merced	1080	WMBR	Jacksonville	1400	WLS	Chicago	890
KTRB	Modesto	860	WLAK	Lakeland	1340	WMAQ	Chicago	670
KDON	Monterey	1240	WPER	Leland	1340	WMBI	Chicago	1110
KLS	Oakland	1310	WKAT	Miami Beach	1360	WSBC	Chicago	1240
KLX	Oakland	910	WIOD	Miami	610	WHFC	Cicero	1450
KROW	Oakland	960	WQAM	Miami	560	WDAN	Danville	1490
KPPC	Pasadena	1240				WSOY	Decatur	1340
KVCV	Redding	1230				WTMV	E. St. Louis	1490
KFBK	Sacramento	1530				WGIL	Galesburg	1400





**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 London read 5:00 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.*



# U. S. STATIONS by States and Cities cont.

Call Letters	Location	New Freq'cy in Kc.	Call Letters	Location	New Freq'cy in Kc.
<b>NEBRASKA</b>					
KORN	Fremont	1400	WINS	New York	1000
KMMJ	Grand Island	750	WJZ	New York	770
KHAS	Hastings	1230	WLTH	New York	1430
KQFW	Kearney	1340	WMCA	New York	570
KFAB	Lincoln	1110	WNEW	New York	1280
KFOR	Lincoln	1240	WNYC	New York	830
WIAG	Lincoln	780	WOR	New York	710
KGNF	North Platte	1460	WOV	New York	1130
KOIL	Omaha	1290	WQXR	New York	1560
KONB	Omaha	1490	WHLD	Niagara Falls	1290
KOWH	Omaha	660	WSLB	Ogdensburg	1400
WOW	Omaha	590	WHDL	Olean	1450
KGKY	Scottsbluff	1490	WMFF	Plattsburg	1340
			WKIP	Poughkeepsie	1450
<b>NEVADA</b>					
KENO	Las Vegas	1400	WHAM	Rochester	1180
KFUN	Las Vegas	1450	WHEC	Rochester	1460
KOH	Reno	630	WSAY	Rochester	1240
			WAGE	Salina	620
<b>NEW HAMPSHIRE</b>					
WKNE	Keene	1290	WNBZ	Saranac Lake	1320
WLNH	Laconia	1340	WGY	Schenectady	810
WFEA	Manchester	1370	WFBL	Syracuse	1390
WMUR	Manchester	610	WOLF	Syracuse	1490
WHEB	Portsmouth	750	WSYR	Syracuse	570
			WHAZ	Troy	1330
			WTRY	Troy	980
			WTBX	Utica	1230
			WATN	Watertown	1240
			WWNY	Watertown	1300
			WFAS	White Plains	1240
			WWRL	Woodside	1600
<b>NEW JERSEY</b>					
WCAP	Asbury Park	1310	<b>NORTH CAROLINA</b>		
WBAB	Atlantic City	1490	WISE	Asheville	1400
WFGP	Atlantic City	1450	WWNC	Asheville	570
WSNJ	Bridgeton	1240	WBT	Charlotte	1110
WCAM	Camden	1310	WSOC	Charlotte	1240
WAAT	Jersey City	970	WDNC	Durham	1490
WHOM	Jersey City	1480	WCNC	Elizabeth City	1400
WHBI	Newark	1280	WFNC	Fayetteville	1370
WOR	Newark	710	WGNC	Gastonia	1450
WPAT	Paterson	930	WGBR	Goldensboro	1400
WBRD	Red Bank	1240	WBIG	Greensboro	1470
WNTJ	Trenton	1310	WGTC	Greensboro	1490
WAWZ	Zarephath	1380	WHKY	Hickory	1400
			WMFR	High Point	1230
			WFTC	Kinston	1230
			WPTF	Raleigh	680
			WRAL	Raleigh	1240
			WCBT	Roanoke Rapids	1230
			WEED	Rocky Mount	1450
			WSTP	Salisbury	1490
			WMFD	Wilmington	1400
			WGTM	Wilson	1340
			WAIR	Winston-Salem	1340
			WSJS	Winston-Salem	600
<b>NEW MEXICO</b>					
KGGM	Albuquerque	1260	<b>NORTH DAKOTA</b>		
KOB	Albuquerque	1030	KFYR	Bismarck	550
KLAH	Carlsbad	1240	KDLR	Devils Lake	1240
KICA	Clovis	1400	WDAY	Fargo	970
KAWM	Gallup	1490	KFJM	Grand Forks	1440
KWEW	Hobbs	1490	KRMC	Jamestown	1400
KGFL	Roswell	1400	KGCV	Mandan	1270
KVSF	Santa Fe	1340	KLPM	Minot	1390
			KOVC	Valley City	1490
<b>NEW YORK</b>					
WABY	Albany	1400	<b>OHIO</b>		
WOKO	Albany	1460	WADC	Akron	1350
WMBO	Auburn	1340	WAKR	Akron	1590
WBTA	Batavia	1490	WJW	Akron	1240
WNBF	Binghamton	1490	WICA	Ashtabula	970
WARD	Brooklyn	1430	WHBC	Canton	1230
WBBC	Brooklyn	1430	WCKY	Cincinnati	1530
WBBR	Brooklyn	1330	WCPO	Cincinnati	1230
WCNW	Brooklyn	1600	WKRC	Cincinnati	550
WVFW	Brooklyn	1430	WLW	Cincinnati	700
WBEN	Buffalo	930	WSAI	Cincinnati	1360
WBNY	Buffalo	1400	WCLE	Cleveland	610
WEBR	Buffalo	1340	WGAR	Cleveland	1420
WGR	Buffalo	550	WHK	Cleveland	1420
WKBW	Buffalo	1520	WTAM	Cleveland	1100
WVSV	Buffalo	1400	WBNS	Columbus	1460
WCAD	Canton	1250	WCOL	Columbus	1230
WENY	Elmira	1230	WHKC	Columbus	640
WGBB	Freepport	1240			
WHCU	Ithaca	870			
WJTN	Jamestown	1240			
WKNY	Kingston	1490			
WGNV	Newburg	1250			
WABC	New York	880			
WBNX	New York	1380			
WEAF	New York	660			
WEVD	New York	1330			
WHN	New York	1050			

Call Letters	Location	New Freq'cy in Kc.	Call Letters	Location	New Freq'cy in Kc.
WOSU	Columbus	570	KADA	Ada	1230
WHIO	Dayton	1290	KVSO	Ardmore	1240
WING	Dayton	1410	KASA	Elk City	1240
WLOK	Lima	1240	KCRC	Enid	1390
WMAN	Mansfield	1400	KSWO	Lawton	1150
WMRN	Marion	1490	KBIX	Muskogee	1490
WPAY	Springfield	1400	WNAD	Norman	690
WIZE	Springfield	1340	KOCY	Oklahoma City	1340
WSTV	Steubenville	1340	KOMA	Oklahoma City	1520
WSPD	Toledo	1370	KOKM	Oklahoma City	1400
WTOL	Toledo	1230	WKY	Oklahoma City	930
WFMJ	Youngstown	1450	KHBG	Okmulgee	1240
WKBN	Youngstown	570	WBBZ	Ponca City	1230
WHIZ	Zanesville	1240	KGFF	Shawnee	1450
			KOME	Tulsa	1340
			KTUL	Tulsa	1430
			KVOO	Tulsa	1170
<b>OKLAHOMA</b>					
			<b>OREGON</b>		
			KWIL	Albany	1240
			KAST	Astoria	1230
			KBKR	Baker	1490
			KBND	Bend	1340
			KOAC	Corvallis	550
			KODL	The Dalles	1230
			KORE	Eugene	1450
			KUIN	Grants Pass	1340
			KFJI	Klamath Falls	1240
			KLBM	LaGrande	1450
			KOOS	Marshfield	1230
			KMED	Medford	1440
			KALE	Portland	1330
			KBPS	Portland	1450
			KEX	Portland	1190
			KGW	Portland	620
			KOIN	Portland	970
			KWJJ	Portland	1080
			KXL	Portland	1450
			KRNR	Roseburg	1490
			KSLM	Salem	1390
			<b>PENNSYLVANIA</b>		
			WCBA	Allentown	1470
			WSAN	Allentown	1470
			WFBG	Altoona	1340
			WCED	DoBois	1230
			WEST	Easton	1400
			WERC	Eric	1490
			WLEU	Eric	1450
			WIBG	Glenside	990
			WHJB	Greensburg	620
			WSAJ	Grove City	1340
			WHP	Harrisburg	1460
			WKBO	Harrisburg	1230
			WAZL	Hazleton	1450
			WJAC	Johnstown	1400
			WGAL	Lancaster	1490
			WKST	New Castle	1280
			WKPA	New Kensington	1150
			KYW	Philadelphia	1060
			WCAU	Philadelphia	1210
			WDAS	Philadelphia	1400
			WFIL	Philadelphia	560
			WHAT	Philadelphia	1340
			WIP	Philadelphia	610
			WPEN	Philadelphia	950
			WTEL	Philadelphia	1340
			WPKA	Pittsburgh	1020
			KQV	Pittsburgh	1410
			<b>KANSAS</b>		
			KVAK	Atchison	1450
			KGFF	Coffeyville	690
			KGNO	Dodge City	1370
			KTSW	Emporia	1400
			KIUL	Garden City	1240
			KVGB	Great Bend	1400
			KWBG	Hutchinson	1450
			CKKN	Kansas City	1340
			KFKU	Lawrence	1250
			WREN	Lawrence	1250
			KSAC	Manhattan	580
			KOAM	Pittsburgh	810
			KSAL	Salina	1150
			WBW	Topeka	580
			KANS	Wichita	1240
			KFBI	Wichita	1070
			KFH	Wichita	1330
			<b>KENTUCKY</b>		
			WCMI	Ashland	1340
			WLBK	Bowling Green	1340
			WHLN	Harlan	1450
			WHOP	Hopkinsville	1230
			WLAP	Lexington	1450
			WAVE	Louisville	970
			WHAS	Louisville	840

Call Letters	Location	New Freq'cy in Kc.	Call Letters	Location	New Freq'cy in Kc.
WEBB	Harrisburg	1240	WINN	Louisville	1240
WJPF	Herrin	1340	WOMI	Owensboro	1490
WCLS	Joliet	1340	WPAD	Paducah	1450
WMBD	Peoria	1470			
WTAD	Quincy	930	<b>LOUISIANA</b>		
WROK	Rockford	1440	KALB	Alexandria	1240
WHFB	Rock Island	1270	WJBO	Baton Rouge	1150
WCBS	Springfield	1450	KVOL	Lafayette	1340
WTAX	Springfield	1240	KPLC	Lake Charles	1490
WDZ	Tuscola	1050	KMLB	Monroe	1230
WILL	Urbana	580	WDSU	New Orleans	1280
			WJBW	New Orleans	1230
			WNOE	New Orleans	1450
			WSMB	New Orleans	1350
			WWL	New Orleans	870
			KRMD	Shreveport	1340
			KTBS	Shreveport	1480
			KWKH	Shreveport	1130
			<b>INDIANA</b>		
			WRDO	Augusta	1400
			WABI	Bangor	1230
			WLBZ	Bangor	620
			WCOU	Lewiston	1240
			WCSH	Portland	970
			WGAN	Portland	560
			WAGM	Presque Isle	1450
			<b>MAINE</b>		
			WBAL	Baltimore	1090
			WCAO	Baltimore	600
			WCBM	Baltimore	1400
			WFBR	Baltimore	1300
			WTH	Baltimore	1230
			WTBO	Cumberland	820
			WFMD	Frederick	930
			WJEJ	Hagerstown	1240
			WBOC	Salisbury	1490
			<b>MARYLAND</b>		
			WAAB	Boston	1440
			WBZ	Boston	1030
			WBZA	Boston	1030
			WCOP	Boston	1150
			WEET	Boston	590
			WHDH	Boston	850
			WMEX	Boston	1510
			WNAC	Boston	1260
			WROL	Boston	950

# U. S. STATIONS by States and Cities cont.

Call Letters	Location	New Freq'cy in Kc.
WCAE	Pittsburgh	1250
WJAS	Pittsburgh	1320
WWSW	Pittsburgh	1490
WEEU	Reading	850
WRAW	Reading	1340
WARM	Scranton	1400
WGBI	Scranton	910
WQAN	Scranton	910
WPIC	Sharon	790
WKOK	Sunbury	1240
WMBS	Uniontown	590
WRAX	Williamsport	1400
WBAX	Wilkes-Barre	1240
WBRE	Wilkes-Barre	1340
WORK	York	1350

## RHODE ISLAND

WFCI	Pawtucket	1420
WEAN	Providence	790
WJAR	Providence	920
WPRO	Providence	630

## SOUTH CAROLINA

WAIM	Anderson	1230
WCSC	Charleston	1390
WTMA	Charleston	1250
WCOS	Columbia	1400
WIS	Columbia	560
WOLS	Florence	1230
WFBC	Greenville	1330
WMRC	Greenville	1490
WORD	Spartanburg	900
WSPA	Spartanburg	950
WFIG	Sumter	1340

## SOUTH DAKOTA

KABR	Aberdeen	1420
KFDY	Brookings	790
KGFX	Pierre	630
KOBH	Rapid City	1400
WCAT	Rapid City	1230
KELO	Sioux Falls	1230
KSOD	Sioux Falls	1140
KUSD	Vermillion	920
KWAT	Watertown	1240
WNAX	Yankton	570

## TENNESSEE

WOPI	Bristol	1490
WAPO	Chattanooga	1150
WDEF	Chattanooga	1400
WDOD	Chattanooga	1310
WHUB	Cookeville	1400
WTJS	Jackson	1390
WJHL	Johnson City	910
WKPT	Kingsport	1400
WBIR	Knoxville	1240
WNOX	Knoxville	990
WROL	Knoxville	620
WHBQ	Memphis	1400
WMC	Memphis	790
WMPS	Memphis	1460
WREC	Memphis	600
WLAC	Nashville	1510
WSIX	Nashville	1240
WSM	Nashville	650

## TEXAS

KRBC	Abilene	1450
KFDA	Amarillo	1230
KGNC	Amarillo	1440
KNOW	Austin	1490
KTBC	Austin	1150
KFDM	Beaumont	560
KRIC	Beaumont	1450
KBST	Big Spring	1490
KNEL	Brady	1490
KGFI	Brownsville	1490
KBWD	Brownwood	1380
WTAW	College Station	1150
KEYS	Corpus Christi	1490
KRIS	Corpus Christi	1360
KAND	Corsicana	1340
KRLD	Dallas	1080

Call Letters	Location	New Freq'cy in Kc.
WFAA	Dallas	820
WRR	Dallas	1310
KDNT	Denton	1450
KFPL	Dublin	1340
KROD	El Paso	600
KTSM	El Paso	1380
KFJZ	Fort Worth	1270
KGKO	Fort Worth	570
WBAP	Fort Worth	820
KLUF	Galveston	1400
KPRC	Houston	950
KTRH	Houston	1320
KXYZ	Houston	1470
KSAM	Houston	1490
KOCA	Kilgore	1240
KPAB	Laredo	1490
KFRO	Longview	1370
KFYO	Lubbock	1340
KRBA	Lufkin	1340
KRLH	Midland	1450
KNET	Palestine	1450
KPDN	Pampa	1340
KPLT	Paris	1490
KIUN	Pecos	1400
KPAC	Port Arthur	1250
KGKL	San Angelo	1400
KABC	San Antonio	1450
KMAC	San Antonio	1400
KONO	San Antonio	1400
KTSA	San Antonio	550
WOAI	San Antonio	1200
KRRV	Sherman	910
KXOX	Sweetwater	1240
KTEM	Temple	1400
KCMC	Texarkana	1450
KGKB	Tyler	1490
KVWC	Vernon	1490
KVIC	Victoria	1340
WACO	Waco	1450
KRGV	Weslaco	1290
KWFT	Wichita Falls	620

## UTAH

KSUB	Cedar City	1340
KVNU	Logan	1230
KLO	Ogden	1430
KEUB	Price	1450
KOVO	Provo	1240
KDYL	Salt Lake City	1320
KSL	Salt Lake City	1160
KUTA	Salt Lake City	570

## VERMONT

WCAX	Burlington	1230
WSYB	Rutland	1490
WQDM	St. Albans	1420
WDEV	Waterbury	550

## VIRGINIA

WCHV	Charlottesville	1450
WBTM	Danville	1400
WFVA	Fredericksburg	1290
WSVA	Harrisonburg	550
WLVA	Lynchburg	1230
WMVA	Martinsville	1450
WGH	Newport News	1340
WTFAR	Norfolk	790
WBFL	Petersburg	1240
WBRL	Richmond	1240
WMBG	Richmond	1380
WRNL	Richmond	910
WRVA	Richmond	1140
WDBJ	Roanoke	960
WLSL	Roanoke	1490
WLPM	Suffolk	1450

## WASHINGTON

KXRO	Aberdeen	1340
KVOS	Bellingham	1230
KELA	Centralia	1470
KRKO	Everett	1400
KWLK	Longview	1400
KGY	Olympia	1240
KWSC	Pullman	1250
KEVR	Seattle	1400

Call Letters	Location	New Freq'cy in Kc.
KIRO	Seattle	710
KJR	Seattle	1000
KOL	Seattle	1300
KOMO	Seattle	950
KRSC	Seattle	1150
KTW	Seattle	1250
KXA	Seattle	770
KFIO	Spokane	1150
KFPY	Spokane	920
KGA	Spokane	1510
KHQ	Spokane	590
KMO	Tacoma	1360
KVI	Tacoma	570
KVAN	Vancouver	910
KUJ	Walla Walla	1420
KPQ	Wenatchee	1490
KIT	Yakima	1280

## WEST VIRGINIA

WJLS	Beckley	1240
WHIS	Bluefield	1440
WCHS	Charleston	580
WGKV	Charleston	1490
WBLK	Clarksburg	1400
WMMN	Fairmont	920
WSAZ	Huntington	930
WLOG	Logan	1230
WAJR	Morgantown	1230
WPAR	Parkersburg	1450
WBRW	Welch	1340
WKWK	Wheeling	1400
WVVA	Wheeling	1170
WBTH	Williamson	1400

## WISCONSIN

WHBY	Appleton	1230
WATW	Ashland	1400
WEAU	Eau Claire	1070
KFIZ	Fond du Lac	1450
WTAQ	Green Bay	1360
WCLO	Janesville	1230
WKBH	LaCrosse	1410
WHA	Madison	970
WIBA	Madison	1310
WOMT	Manitowoc	1240
WMAM	Marinette	570
WIGM	Medford	1490
WEMP	Milwaukee	1340
WISN	Milwaukee	1150
WTMJ	Milwaukee	620
WIBU	Poynette	1240
WRJN	Racine	1400
WJMC	Rice Lake	1240
WHBL	Sheboygan	1330
WLBL	Stevens Point	930
WDSM	Superior	1230
WSAU	Wausau	1400
WFHR	Wisconsin Rapids	1340

## WYOMING

KDFN	Casper	1470
KFBC	Cheyenne	1450
KYAN	Cheyenne	1400
KPOW	Powell	1230
KVRS	Rock Springs	1400
KWYO	Sheridan	1400

## ALASKA

KFOD	Anchorage	790
KFAR	Fairbanks	610
KINY	Juneau	1460
KGBU	Ketchikan	930

## PUERTO RICO

WPRA	Mayaguez	790
WPAB	Ponce	1370
WPRP	Ponce	1520
WPAQ	San Juan	620
WNEL	San Juan	1320

## HAWAII

KHBC	Hilo	1230
KGMB	Honolulu	590
KGU	Honolulu	760
KTOH	Lihue	1490

# The Romance of AMATEUR RADIO

You've heard their voices on various short-wave bands. You've listened-in as they were conversing as casually across a span of thousands of miles as you might talk with a friend



seated next to you—relaying non-commercial messages to and from the far corners of the world\*—talking chummily with foreign friends they have never seen and probably never will—holding DX (long distance) contests or ethereal "sweepstakes" to see who could contact the most stations in the greatest number of countries in a given time. Chances are, you've also heard them performing the emergency services for which they are famous, such as reporting details of fires, earthquakes, hurricanes and floods which have temporarily disabled all other means of communication.

Among themselves, they speak of each other as "hams." Others know them as members of the great fraternity of hobbyists devoted to Amateur Radio, one of the most fascinating of all of radio's many phases. It is a hobby that has enlisted young and old, women as well as men—folks in all walks of life and in all parts of the world.

Amateur Radio is as old as radio communication itself.

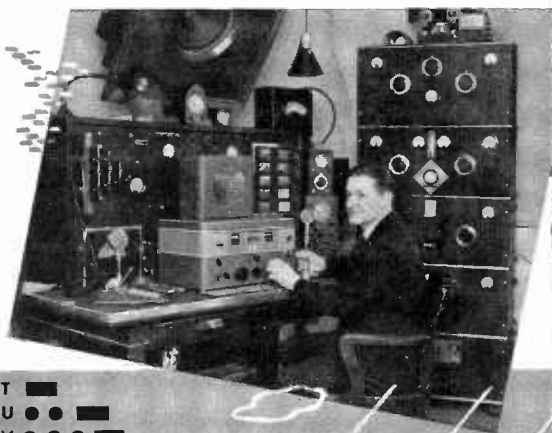
Guglielmo Marconi was probably the first amateur. Modern commercial radio owes much, not only to him but to other amateurs who, following closely in his footsteps, have made important contributions to the development of the art.

\* Due to the international situation, amateurs in the U. S. A. are temporarily forbidden to communicate with foreign countries.

To the amateur, in fact, goes much of the credit for proving the practicability of short-wave communication itself. Relegated by law in 1917 to what was then considered the practically worthless 200-meter band, amateurs succeeded in establishing unheard-of records for long-distance communication. Subsequently, they proved that even shorter wave lengths offered still greater advantages.

Amateur broadcasting is done under Government license. Each operator must pass an examination before this is granted. Most amateurs build their own transmitting "rigs" and constant experimentation is their order of the day. Most transmission is still done in the Continental Code and all licensees must be able to receive at least 13 dot-and-dash words a minute.

During the First World War, more than 3,000 amateurs—about three-quarters of the total number then licensed—saw Government service. Today, the fact that more than 50,000 amateurs represent an important back-log in the nation's far-reaching defense program offers convincing evidence of the recent tremendous growth of Amateur Radio.



## CONTINENTAL RADIOTELEGRAPH CODE

A ● ■	H ● ● ● ●	N ■ ●	T ■ ■
B ■ ● ● ●	I ● ●	O ■ ■ ■ ■	U ● ● ■ ■
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D ■ ■ ● ●	K ■ ■ ■ ■	Q ■ ■ ■ ■ ■ ■	W ■ ■ ■ ■ ■
E ●	L ■ ■ ■ ● ●	R ■ ■ ● ●	X ■ ■ ■ ■ ■ ■
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# U. S. BROADCASTING STATIONS

## By Kilocycle Index

Call	City	*Watts	Call	City	Watts	Call	City	Watts
<b>550 KILOCYCLES</b>			<b>620 KILOCYCLES</b>			<b>770 KILOCYCLES (Cont.)</b>		
KOY	Phoenix, Ariz.	1,000	KTAR	Phoenix, Ariz.	5,000	WEW	St. Louis, Mo.	1,000
KSD	St. Louis, Mo.	5,000	WSUN	St. Petersburg, Fla.	5,000	WJZ	New York City	50,000
WGR	Buffalo, N. Y.	5,000	WLBZ	Bangor, Me.	1,000	KXA	Seattle, Wash.	1,000
KFYR	Bismarck, N. D.	5,000	WAGE	Salina, N. Y.	1,000	<b>780 KILOCYCLES</b>		
WKRC	Cincinnati, O.	5,000	KGW	Portland, Ore.	5,000	WBBM	Chicago, Ill.	50,000
KOAC	Coac, Oreg.	5,000	WHJB	Greensburg, Pa.	250	<b>790 KILOCYCLES</b>		
KTSA	San Antonio, Tex.	5,000	WKAQ	San Juan, P. R.	5,000	KFQD	Anchorage, Alaska	250
WDEV	Waterbury, Vt.	1,000	WROL	Knoxville, Tenn.	1,000	KECA	Los Angeles, Cal.	5,000
WSVA	Harrisonburg, Va.	1,000	KWFT	Wichita Falls, Tex.	5,000	KGHL	Billings, Mont.	5,000
<b>560 KILOCYCLES</b>			WTMJ	Milwaukee, Wis.	5,000	WPIC	Sharon, Pa.	1,000
KSFO	San Francisco, Cal.	5,000	<b>630 KILOCYCLES</b>			WPRR	Mayaguez, P. R.	2,500
KLZ	Denver, Colo.	5,000	KVOD	Denver, Colo.	1,000	WEAN	Providence, R. I.	5,000
WQAM	Miami, Fla.	1,000	WMAL	Washington, D. C.	5,000	KFDY	Brookings, S. D.	1,000
WIND	Gary, Ind.	5,000	KXOK	St. Louis, Mo.	5,000	WMC	Memphis, Tenn.	5,000
WGAN	Portland, Me.	5,000	KOH	Reno, Nev.	1,000	WTAR	Norfolk, Va.	5,000
KWTO	Springfield, Mo.	5,000	WPRO	Providence, R. I.	5,000	<b>810 KILOCYCLES</b>		
WFIL	Philadelphia, Pa.	1,000	KGFX	Pierre, S. D.	200	KGO	San Francisco, Cal.	10,000
WIS	Columbia, S. C.	5,000	<b>640 KILOCYCLES</b>			KOAM	Pittsburgh, Kan.	1,000
KFDM	Beaumont, Tex.	1,000	KFI	Los Angeles, Cal.	50,000	WGY	Schenectady, N. Y.	50,000
<b>570 KILOCYCLES</b>			WOI	Ames, Ia.	5,000	<b>820 KILOCYCLES</b>		
KMTR	Los Angeles, Cal.	1,000	WHKC	Columbus, O.	500	WTBO	Cumberland, Md.	250
WMCA	New York City	5,000	<b>650 KILOCYCLES</b>			WFAP	Dallas, Tex.	50,000
WSYR	Syracuse, N. Y.	1,000	WSM	Nashville, Tenn.	50,000	WFAB	Fort Worth, Tex.	50,000
WWNC	Asheville, N. C.	1,000	<b>660 KILOCYCLES</b>			<b>830 KILOCYCLES</b>		
WOSU	Columbus, O.	1,000	KOWH	Omaha, Neb.	500	WCCO	Minneapolis, Minn.	50,000
WKBN	Youngstown, O.	500	WEAF	New York City	50,000	WNYC	New York City	1,000
WNAX	Yankton, S. D.	5,000	<b>670 KILOCYCLES</b>			<b>840 KILOCYCLES</b>		
KGKO	Fort Worth, Tex.	5,000	WMAQ	Chicago, Ill.	50,000	WHAS	Louisville, Ky.	50,000
KUTA	Salt Lake City, Utah	1,000	<b>680 KILOCYCLES</b>			<b>850 KILOCYCLES</b>		
KVI	Tacoma, Wash.	5,000	KPO	San Francisco, Cal.	50,000	KOA	Denver, Colo.	50,000
WMAM	Marinette, Wis.	250	WLAW	Lawrence, Mass.	5,000	WRUF	Gainesville, Fla.	5,000
<b>580 KILOCYCLES</b>			KFEQ	St. Joseph, Mo.	2,500	WHDH	Boston, Mass.	1,000
KMJ	Fresno, Cal.	5,000	WPTF	Raleigh, N. C.	50,000	KFUO	Clayton, Mo.	5,000
WDBO	Orlando, Fla.	5,000	<b>690 KILOCYCLES</b>			WEEU	Reading, Pa.	1,000
WILL	Urbana, Ill.	5,000	KGGF	Coffeyville, Kan.	1,000	<b>860 KILOCYCLES</b>		
KSAC	Manhattan, Kan.	1,000	WNAD	Norman, Okla.	1,000	KTRB	Modesto, Cal.	250
WIBW	Topeka, Kan.	5,000	<b>700 KILOCYCLES</b>			<b>870 KILOCYCLES</b>		
WTAG	Worcester, Mass.	5,000	WLW	Cincinnati, O.	50,000	KIEV	Glendale, Cal.	250
WCHS	Charleston, W. Va.	5,000	<b>710 KILOCYCLES</b>			WWL	New Orleans, La.	50,000
<b>590 KILOCYCLES</b>			KMPK	Beverly Hills, Cal.	5,000	WKAR	East Lansing, Mich.	5,000
KGMB	Honolulu, Hawaii	5,000	KIRO	Seattle, Wash.	10,000	WHCU	Ithaca, N. Y.	1,000
WEEI	Boston, Mass.	5,000	<b>720 KILOCYCLES</b>			<b>880 KILOCYCLES</b>		
WKZO	Kalamazoo, Mich.	1,000	WGN	Chicago, Ill.	50,000	WHB	Kansas City, Mo.	1,000
WOW	Omaha, Neb.	5,000	<b>740 KILOCYCLES</b>			WABC	New York City	50,000
WMBS	Uniontown, Pa.	1,000	KQW	San Jose, Cal.	5,000	<b>890 KILOCYCLES</b>		
KHQ	Spokane, Wash.	5,000	<b>750 KILOCYCLES</b>			WENR	Chicago, Ill.	50,000
<b>600 KILOCYCLES</b>			WLB	Minneapolis, Minn.	5,000	WLS	Chicago, Ill.	50,000
KFSD	San Diego, Cal.	5,000	<b>760 KILOCYCLES</b>			<b>910 KILOCYCLES</b>		
WICC	Bridgeport, Conn.	1,000	WGB	Atlanta, Ga.	50,000	KLX	Oakland, Cal.	1,000
WMT	Cedar Rapids, Ia.	5,000	KMMJ	Grand Island, Neb.	1,000	KPQF	Denver, Colo.	1,000
WCAO	Baltimore, Md.	1,000	WHEB	Portsmouth, N. H.	1,000	KFKA	Greeley, Colo.	1,000
WSJS	Winston-Salem, N. C.	1,000	<b>770 KILOCYCLES</b>			WSUI	Iowa City, Ia.	5,000
WREC	Memphis, Tenn.	5,000	KGU	Honolulu, Hawaii	2,500	WFDF	Flint, Mich.	1,000
KROD	El Paso, Tex.	1,000	WJR	Detroit, Mich.	50,000	WCOC	Meridian, Miss.	1,000
<b>610 KILOCYCLES</b>			<b>780 KILOCYCLES</b>			WGBI	Scranton, Pa.	1,000
KFAR	Fairbanks, Alas.	1,000	WLB	Minneapolis, Minn.	5,000	WQAN	Scranton, Pa.	1,000
KFRC	San Francisco, Cal.	5,000	WCAL	Northfield, Minn.	5,000	WJHL	Johnson City, Tenn.	1,000
WIOD	Miami, Fla.	5,000	<b>790 KILOCYCLES</b>			KRRV	Sherman, Tex.	1,000
WDAF	Kansas City, Mo.	5,000	<b>800 KILOCYCLES</b>			WRNL	Richmond, Va.	1,000
WMUR	Manchester, N. H.	5,000	<b>810 KILOCYCLES</b>			KVAN	Vancouver, Wash.	250
WCLE	Cleveland, O.	500	<b>820 KILOCYCLES</b>			<b>830 KILOCYCLES</b>		
WIP	Philadelphia, Pa.	5,000	<b>840 KILOCYCLES</b>			<b>840 KILOCYCLES</b>		

\* Many stations broadcasting on higher power until local sunset are required to reduce their power in the evenings. This list includes only the highest power ratings permitted the individual stations.

# U. S. STATIONS *by Kilocycle Index cont.*

Call	City	Watts	Call	City	Watts	Call	City	Watts
<b>920 KILOCYCLES</b>			<b>1050 KILOCYCLES</b>			<b>1190 KILOCYCLES</b>		
KARK	Little Rock, Ark.	5,000	WDZ	Tuscola, Ill.	1,000	WOWO	Fort Wayne, Ind.	50,000
KTKC	Visalia, Cal.	1,000	WHN	New York City	5,000	KEX	Portland, Ore.	50,000
WGST	Atlanta, Ga.	5,000	<b>1060 KILOCYCLES</b>			<b>1200 KILOCYCLES</b>		
WBAA	West Lafayette, Ind.	5,000	KYW	Philadelphia, Pa.	50,000	WOAI	San Antonio, Tex.	50,000
KFNF	Shenandoah, Ia.	1,000	<b>1070 KILOCYCLES</b>			<b>1210 KILOCYCLES</b>		
WJAR	Providence, R. I.	5,000	WAPI	Birmingham, Ala.	50,000	WCAU	Philadelphia, Pa.	50,000
KUSD	Vermillion, S. D.	500	KNX	Los Angeles, Cal.	50,000	<b>1230 KILOCYCLES</b>		
KFPY	Spokane, Wash.	5,000	WIBC	Indianapolis, Ind.	5,000	WBHP	Huntsville, Ala.	250
WMMN	Fairmont, W. Va.	5,000	KFBI	Wichita, Kan.	5,000	WMOB	Mobile, Ala.	250
<b>930 KILOCYCLES</b>			WEAU	Eau Claire, Wis.	5,000	WJRD	Tuscaloosa, Ala.	250
KGBU	Ketchikan, Alaska	500	<b>1080 KILOCYCLES</b>			KSUN	Lowell, Ariz.	250
KHJ	Los Angeles, Cal.	5,000	KYOS	Merced, Cal.	250	KPHO	Phoenix, Ariz.	250
WJAX	Jacksonville, Fla.	5,000	WTIC	Hartford, Conn.	50,000	KBTM	Jonesboro, Ark.	250
KSEI	Pocatello, Ida.	1,000	WCAZ	Carthage, Ill.	250	KGHI	Little Rock, Ark.	250
WTAD	Quincy, Ill.	1,000	KWJJ	Portland, Ore.	500	KGJF	Los Angeles, Cal.	250
WFMD	Frederick, Md.	500	KRLD	Dallas, Tex.	50,000	KVCV	Redding, Cal.	250
WPAT	Paterson, N. J.	1,000	<b>1090 KILOCYCLES</b>			KVEC	San Luis Obispo, Cal.	250
WBEN	Buffalo, N. Y.	5,000	KTHS	Hot Springs, Ark.	50,000	KWG	Stockton, Cal.	250
WKY	Oklahoma City, Okla.	5,000	WBAL	Baltimore, Md.	50,000	KFKJ	Grand Junction, Colo.	250
WSAZ	Huntington, W. Va.	1,000	WJAG	Norfolk, Neb.	1,000	KGKE	Sterling, Colo.	250
WLBL	Stevens Point, Wis.	5,000	<b>1100 KILOCYCLES</b>			WTHT	Hartford, Conn.	250
<b>940 KILOCYCLES</b>			KJBS	San Francisco, Cal.	500	WLDF	Orlando, Fla.	250
WMAZ	Macon, Ga.	5,000	WTAM	Cleveland, O.	50,000	WDLP	Panama City, Fla.	250
<b>950 KILOCYCLES</b>			<b>1110 KILOCYCLES</b>			WJNO	West Palm Beach, Fla.	250
KFEL	Denver, Colo.	5,000	WCBD	Chicago, Ill.	5,000	WRBL	Columbus, Ga.	250
WAAF	Chicago, Ill.	1,000	WMBI	Chicago, Ill.	5,000	WBJL	Dalton, Ga.	250
WORL	Boston, Mass.	1,000	KFAB	Lincoln, Neb.	50,000	WAYX	Waycross, Ga.	250
WWJ	Detroit, Mich.	5,000	WBT	Charlotte, N. C.	50,000	KHBC	Hilo, Hawaii	250
WPEN	Philadelphia, Pa.	5,000	<b>1120 KILOCYCLES</b>			KFXD	Nampa, Ida.	250
WSPA	Spartanburg, S. C.	1,000	KMOX	St. Louis, Mo.	50,000	WJBC	Bloomington, Ill.	250
KPRC	Houston, Tex.	5,000	<b>1130 KILOCYCLES</b>			WJOB	Hammond, Ind.	250
KOMO	Seattle, Wash.	5,000	KGDM	Stockton, Cal.	1,000	WFAM	South Bend, Ind.	250
<b>960 KILOCYCLES</b>			KWKH	Shreveport, La.	50,000	WBOW	Terre Haute, Ind.	250
WBRC	Birmingham, Ala.	5,000	WCAR	Pontiac, Mich.	1,000	KFJB	Marshalltown, Ia.	250
KROW	Oakland, Cal.	1,000	WDGY	Minneapolis, Minn.	5,000	WHOP	Hopkinsville, Ky.	250
WELI	New Haven, Conn.	1,000	WVOV	New York City	10,000	KMLB	Monroe, La.	250
WSBT	South Bend, Ind.	500	<b>1140 KILOCYCLES</b>			WJBW	New Orleans, La.	250
KMA	Shenandoah, Ia.	5,000	KSOO	Sioux Falls, S. D.	5,000	WABI	Bangor, Me.	250
WDBJ	Roanoke, Va.	5,000	WRVA	Richmond, Va.	50,000	WITH	Baltimore, Md.	250
<b>970 KILOCYCLES</b>			<b>1150 KILOCYCLES</b>			WESX	Salem, Mass.	250
WFLA	Tampa, Fla.	5,000	KFSG	Los Angeles, Cal.	2,500	WMAW	Worcester, Mass.	250
WAVE	Louisville, Ky.	5,000	KRKD	Los Angeles, Cal.	2,500	WGRB	Grand Rapids, Mich.	250
WCSH	Portland, Me.	5,000	WDEL	Wilmington, Del.	5,000	WMPC	Lapeer, Mich.	250
WAAT	Jersey City, N. J.	1,000	KSAL	Salina, Kan.	1,000	WSAM	Saginaw, Mich.	250
WDAY	Fargo, N. D.	5,000	WJBO	Baton Rouge, La.	5,000	WSOO	Sault Ste. Marie, Mich.	250
WICA	Ashtabula, O.	1,000	WCOP	Boston, Mass.	500	KGDE	Fergus Falls, Minn.	250
KOIN	Portland, Ore.	5,000	KSWO	Lawton, Okla.	250	KYSM	Mankato, Minn.	250
WHA	Madison, Wis.	5,000	WKPA	New Kensington, Pa.	250	KWNO	Winona, Minn.	250
<b>980 KILOCYCLES</b>			WFOU	Chattanooga, Tenn.	5,000	WSKB	McComb, Miss.	250
KFWB	Los Angeles, Cal.	5,000	KTBC	Austin, Tex.	1,000	WIL	St. Louis, Mo.	250
WRC	Washington, D. C.	5,000	WTAW	College Station, Tex.	1,000	KHAS	Hastings, Neb.	250
WHAL	Saginaw, Mich.	500	KRSC	Seattle, Wash.	1,000	WENY	Elmira, N. Y.	250
KMBC	Kansas City, Mo.	5,000	KFIO	Spokane, Wash.	100	WIBX	Utica, N. Y.	250
WTRY	Troy, N. Y.	1,000	WISN	Milwaukee, Wis.	5,000	WMFR	High Point, N. C.	250
<b>990 KILOCYCLES</b>			<b>1160 KILOCYCLES</b>			WFTC	Kinston, N. C.	250
WIBG	Glenside, Pa.	1,000	WJJD	Chicago, Ill.	20,000	WCBT	Roanoke Rapids, N. C.	250
WNOX	Knoxville, Tenn.	5,000	KSL	Salt Lake City, Utah	50,000	WHBC	Canton, O.	250
<b>1000 KILOCYCLES</b>			<b>1170 KILOCYCLES</b>			WCPO	Cincinnati, O.	250
WCFL	Chicago, Ill.	10,000	KVOO	Tulsa, Okla.	50,000	WCOL	Columbus, O.	250
WINS	New York City	1,000	WWVA	Wheeling, W. Va.	50,000	WTOL	Toledo, O.	250
KJR	Seattle, Wash.	10,000	<b>1180 KILOCYCLES</b>			KADA	Ada, Okla.	250
<b>1020 KILOCYCLES</b>			WHAM	Rochester, N. Y.	50,000	WBBZ	Ponca City, Okla.	250
KFVD	Los Angeles, Cal.	1,000	<b>1190 KILOCYCLES</b>			KAST	Astoria, Ore.	250
KDKA	Pittsburgh, Pa.	50,000	<b>1200 KILOCYCLES</b>			KODL	The Dalles, Ore.	250
<b>1030 KILOCYCLES</b>			<b>1210 KILOCYCLES</b>			KOOS	Marshfield, Ore.	250
WBZ	Boston, Mass.	50,000	<b>1220 KILOCYCLES</b>			WCED	Du Bois, Pa.	250
WBZA	Springfield, Mass.	1,000	<b>1230 KILOCYCLES</b>			WKBO	Harrisburg, Pa.	250
KOB	Albuquerque, N. M.	50,000	<b>1240 KILOCYCLES</b>			WAIM	Anderson, S. C.	250
<b>1040 KILOCYCLES</b>			<b>1250 KILOCYCLES</b>			WOLS	Florence, S. C.	250
WHO	Des Moines, Ia.	50,000	<b>1260 KILOCYCLES</b>			WCAT	Rapid City, S. D.	250
			<b>1270 KILOCYCLES</b>			KELO	Sioux Falls, S. D.	250
			<b>1280 KILOCYCLES</b>			KFDA	Amarillo, Tex.	250
			<b>1290 KILOCYCLES</b>			KVNU	Logan, Utah	250
			<b>1300 KILOCYCLES</b>			WCAX	Burlington, Vt.	250
			<b>1310 KILOCYCLES</b>			WLVA	Lynchburg, Va.	250
			<b>1320 KILOCYCLES</b>			KVOS	Bellingham, Wash.	250
			<b>1330 KILOCYCLES</b>			WLOG	Logan, W. Va.	250
			<b>1340 KILOCYCLES</b>			WAJR	Morgantown, W. Va.	250
			<b>1350 KILOCYCLES</b>			WHBY	Appleton, Wis.	250
			<b>1360 KILOCYCLES</b>			WCLO	Janesville, Wis.	250
			<b>1370 KILOCYCLES</b>			WDSM	Superior, Wis.	250
			<b>1380 KILOCYCLES</b>			KPOW	Powell, Wyo.	250

# U. S. STATIONS *by Kilocycle Index cont.*

Call	City	Watts	Call	City	Watts	Call	City	Watts
<b>1240 KILOCYCLES</b>			<b>1260 KILOCYCLES</b>			<b>1340 KILOCYCLES</b>		
WJBY	Gadsden, Ala.	250	KYA	San Francisco, Cal.	5,000	WSGN	Birmingham, Ala.	250
WCOV	Montgomery, Ala.	250	WOL	Washington, D. C.	1,000	KCRJ	Jerome, Ariz.	250
KWJB	Globe, Ariz.	250	WFBM	Indianapolis, Ind.	5,000	KWFC	Hot Springs, Ark.	250
KYUM	Yuma, Ariz.	250	WNBAC	Boston, Mass.	5,000	KARM	Fresno, Cal.	250
KDON	Monterey, Cal.	250	KGBX	Springfield, Mo.	5,000	KHUB	Watsonville, Cal.	250
KPPC	Pasadena, Cal.	250	KGGM	Albuquerque, N. M.	1,000	KMYR	Denver, Colo.	250
KROY	Sacramento, Cal.	250	<b>1270 KILOCYCLES</b>			WINX	Washington, D. C.	250
KFXM	San Bernardino, Cal.	250	KTFI	Twin Falls, Ida.	1,000	WPER	DeLand, Fla.	250
WFTM	Fort Myers, Fla.	250	WHBF	Rock Island, Ill.	5,000	WLAK	Lakeland, Fla.	250
WFOY	St. Augustine, Fla.	250	WSPR	Springfield, Mass.	5,000	WTAL	Tallahassee, Fla.	250
WGAC	Augusta, Ga.	250	WXYZ	Detroit, Mich.	5,000	WGAU	Athens, Ga.	250
WGGG	Gainesville, Ga.	250	KGCU	Mandan, N. D.	1,000	WSAV	Savannah, Ga.	250
WLAG	LaGrange, Ga.	250	KFJZ	Fort Worth, Tex.	5,000	WDAK	West Point, Ga.	250
WBML	Macon, Ga.	250	<b>1280 KILOCYCLES</b>			WSOY	Decatur, Ill.	250
WPAX	Thomasville, Ga.	250	KFOX	Long Beach, Cal.	1,000	WJPF	Herrin, Ill.	250
WCRW	Chicago, Ill.	250	WMRO	Aurora, Ill.	250	WCLS	Joliet, Ill.	250
WEDC	Chicago, Ill.	250	WGBF	Evansville, Ind.	5,000	WTRC	Elkhart, Ind.	250
WSBC	Harrisburg, Ill.	250	WDSU	New Orleans, La.	5,000	WLCB	Muncie, Ind.	250
WEBO	Springfield, Ill.	250	WTCT	Minneapolis, Minn.	5,000	KCKN	Kansas City, Kan.	250
WTAX	Anderson, Ind.	250	WHBI	Newark, N. J.	2,500	WCMI	Ashland, Ky.	250
WHBU	Decorah, Ia.	250	WNEW	New York City	5,000	WLBJ	Bowling Green, Ky.	250
KWLL	Ottumwa, Ia.	250	WKST	New Castle, Pa.	1,000	KVOL	Lafayette, La.	250
KBIZ	Garden City, Kan.	250	KIT	Yakima, Wash.	1,000	KRMD	Shreveport, La.	250
KTUL	Wichita, Kan.	250	<b>1290 KILOCYCLES</b>			WNBH	New Bedford, Mass.	250
KANS	Louisville, Ky.	250	KVOA	Tucson, Ariz.	1,000	WBRK	Pittsfield, Mass.	250
WTNN	Alexandria, La.	250	KUOA	Siloam Springs, Ark.	5,000	WLAV	Grand Rapids, Mich.	250
KALB	Lewiston, Me.	250	KHSL	Chico, Cal.	1,000	WDMJ	Marquette, Mich.	250
WCOU	Hagerstown, Md.	250	WTOC	Savannah, Ga.	5,000	WEXL	Royal Oak, Mich.	250
WJBJ	Greenfield, Mass.	250	KGVO	Missoula, Mont.	5,000	KVOX	Moorehead, Minn.	250
WHAI	Hyannis, Mass.	250	KOIL	Omaha, Neb.	5,000	KROC	Rochester, Minn.	250
WOCB	Lansing, Mich.	250	WHLD	Niagara Falls, N. Y.	1,000	KWLM	Willmar, Minn.	250
WJIM	Hibbing, Minn.	250	WHIO	Dayton, O.	5,000	WJFR	Greenville, Miss.	250
WFRG	Greenwood, Miss.	250	KRGV	Weslaco, Tex.	1,000	WAML	Laurel, Miss.	250
WGEM	Gulfport, Miss.	250	WKNE	Keene, N. H.	5,000	KWOS	Jefferson City, Mo.	250
WGCN	Helena, Mont.	250	WFVA	Fredericksburg, Va.	250	KWOC	Poplar Bluff, Mo.	250
KPFA	Lincoln, Neb.	250	<b>1300 KILOCYCLES</b>			KGZC	Kalispell, Mont.	250
KFOR	Bridgeton, N. J.	250	KVOR	Colorado Spgs., Colo.	1,000	KJFJ	Miles City, Mont.	250
WSNJ	Red Bank, N. J.	250	KGLO	Mason City, Ia.	1,000	WLNH	Kearney, N. H.	250
WBRB	Carlsbad, N. M.	250	WFBR	Baltimore, Md.	5,000	WVFS	Santa Fe, N. M.	250
KLAH	Freeport, N. Y.	250	WASH	Grand Rapids, Mich.	5,000	WMBO	Auburn, N. Y.	250
WGBB	Jamestown, N. Y.	250	WOOD	Grand Rapids, Mich.	5,000	WBRB	Buffalo, N. Y.	250
WJTN	Rochester, N. Y.	250	WJDX	Jackson, Miss.	5,000	WMFF	Plattsburg, N. Y.	250
WSAY	Watertown, N. Y.	250	WWNY	Watertown, N. Y.	500	WGTM	Wilson, N. C.	250
WATN	White Plains, N. Y.	250	KOL	Seattle, Wash.	5,000	WAIR	Winston-Salem, N. C.	250
WFAS	Charlotte, N. C.	250	<b>1310 KILOCYCLES</b>			WIZE	Springfield, O.	250
WSOC	Raleigh, N. C.	250	KLS	Oakland, Cal.	1,000	WSTV	Steubenville, O.	250
WRAL	Devils Lake, N. D.	250	WISH	Indianapolis, Ind.	5,000	KOCY	Oklahoma City, Okla.	250
KDLR	Lima, O.	250	WORC	Worcester, Mass.	1,000	KOME	Tulsa, Okla.	250
WJW	Akron, O.	250	KFBB	Great Falls, Mont.	5,000	KBND	Bend, Ore.	250
WLOK	Lima, O.	250	WCAP	Asbury Park, N. J.	500	KUIN	Grants Pass, Ore.	250
WHIZ	Zanesville, O.	250	WCAM	Camden, N. J.	500	WFBG	Altouza, Pa.	250
KVSO	Ardmore, Okla.	250	WTNJ	Trenton, N. J.	500	WSAJ	Greene City, Pa.	250
KASA	Elk City, Okla.	250	WDDO	Chattanooga, Tenn.	5,000	WHAT	Philadelphia, Pa.	250
KHBG	Okmulgee, Okla.	250	WRR	Dallas, Tex.	5,000	WTFL	Philadelphia, Pa.	250
KWIL	Albany, Ore.	250	WIBA	Madison, Wis.	5,000	WRWA	Reading, Pa.	250
KFJI	Klamath Falls, Ore.	250	<b>1320 KILOCYCLES</b>			WBRW	Wilkes-Barre, Pa.	250
WKOK	Sunbury, Pa.	250	KLCN	Blytheville, Ark.	100	WFIG	Sumter, S. C.	250
WBAX	Wilkes-Barre, Pa.	250	WATR	Waterbury, Conn.	250	KAND	Corsicana, Tex.	250
WTMA	Charleston, S. C.	250	WJHP	Jacksonville, Fla.	250	KFFL	Dublin, Tex.	250
KWAT	Watertown, S. D.	250	WEEB	Duluth, Minn.	5,000	KFYO	Lubbock, Tex.	250
WBIR	Knoxville, Tenn.	250	WNEZ	Saranac Lake, N. Y.	100	KRBA	Lufkin, Tex.	250
WSIX	Nashville, Tenn.	250	WJAS	Pittsburgh, Pa.	5,000	KPDN	Pampa, Tex.	250
KOCA	Kilgore, Tex.	250	WNEL	San Juan, P. R.	5,000	KVIC	Victoria, Tex.	250
KXOX	Sweetwater, Tex.	250	KTRH	Houston, Tex.	5,000	KSUB	Cedar City, Utah	250
KOVO	Provo, Utah	250	KDYL	Salt Lake City, Utah	5,000	WGH	Newport News, Va.	250
WPID	Petersburg, Va.	250	<b>1330 KILOCYCLES</b>			KXRO	Aberdeen, Wash.	250
WBBL	Richmond, Va.	250	KFAC	Los Angeles, Cal.	1,000	WBRW	Welch, W. Va.	250
KGY	Olympia, Wash.	250	KFH	Wichita, Kan.	5,000	WEMP	Milwaukee, Wis.	250
WJLS	Beckley, W. Va.	250	WLOL	Minneapolis, Minn.	1,000	WFHR	Wisconsin Rapids, Wis.	250
WOMT	Manitowoc, Wis.	250	WBRR	Brooklyn, N. Y.	1,000	<b>1350 KILOCYCLES</b>		
WIBU	Poynette, Wis.	250	WEVD	New York City	1,000	KSRO	Santa Rosa, Cal.	1,000
WJMC	Rice Lake, Wis.	250	WHAZ	Troy, N. Y.	1,000	KGHF	Fueblo, Colo.	500
<b>1250 KILOCYCLES</b>			KALE	Portland, Ore.	5,000	KID	Idaho Falls, Ida.	5,000
KTMS	Santa Barbara, Cal.	1,000	WFBC	Greenville, S. C.	5,000	KRNT	Des Moines, Ia.	5,000
WDAE	Tampa, Fla.	5,000	WHBL	Sheboygan, Wis.	1,000	WSMB	New Orleans, La.	5,000
KFKU	Lawrence, Kan.	5,000	<b>1360 KILOCYCLES</b>			WADC	Akron, O.	5,000
WREN	Lawrence, Kan.	5,000	KGB	San Diego, Cal.	1,000	WORK	York, Pa.	1,000
WCAD	Canton, N. Y.	500	WDRG	Hartford, Conn.	5,000	<b>1370 KILOCYCLES</b>		
WGNV	Newburgh, N. Y.	250	WKAT	Miami Beach, Fla.	1,000	<b>1380 KILOCYCLES</b>		
WCAE	Pittsburgh, Pa.	5,000	KSCJ	Sioux City, Ia.	5,000	<b>1390 KILOCYCLES</b>		
WTMA	Charleston, S. C.	1,000	<b>1400 KILOCYCLES</b>			<b>1410 KILOCYCLES</b>		
KPAC	Port Arthur, Tex.	500	<b>1420 KILOCYCLES</b>			<b>1420 KILOCYCLES</b>		
KWSC	Pullman, Wash.	5,000	<b>1430 KILOCYCLES</b>			<b>1430 KILOCYCLES</b>		
KTW	Seattle, Wash.	1,000	<b>1440 KILOCYCLES</b>			<b>1440 KILOCYCLES</b>		

# U. S. STATIONS *by Kilocycle Index cont.*

Call	City	Watts	Call	City	Watts	Call	City	Watts
<b>1360 KILOCYCLES (Cont'd)</b>			<b>1400 KILOCYCLES (Cont.)</b>			<b>1450 KILOCYCLES (Cont.)</b>		
WSAI	Cincinnati, O.	5,000	WGBR	Goldsboro, N. C.	250	WNAB	Bridgeport, Conn.	250
KRIS	Corpus Christi, Tex.	1,000	WHKY	Hickory, N. C.	250	WILM	Wilmington, Del.	250
KMO	Tacoma, Wash.	5,000	WMFD	Wilkesboro, N. C.	250	WWDC	Washington, D. C.	250
WTAQ	Green Bay, Wis.	5,000	KRMC	Jamestown, N. D.	250	WMFJ	Daytona Beach, Fla.	250
<b>1370 KILOCYCLES</b>			WMAN	Mansfield, O.	250	WSPB	Sarasota, Fla.	250
WCOA	Pensacola, Fla.	1,000	KTKO	Oklahoma City, Okla.	250	WGPC	Albany, Ga.	250
KDTH	Dubuque, Ia.	1,000	WEST	Easton, Pa.	250	WMWH	Augusta, Ga.	250
KGNO	Dodge City, Kan.	1,000	WJAC	Johnstown, Pa.	250	WKEU	Griffin, Ga.	250
KGIR	Butte, Mont.	5,000	WDAS	Philadelphia, Pa.	250	WRLC	Toccoa, Ga.	250
WFEA	Manchester, N. H.	5,000	WARM	Scranton, Pa.	250	WGOV	Valdosta, Ga.	250
WFNC	Fayetteville, N. C.	250	WRAC	Williamsport, Pa.	250	KWAL	Wallace, Ida.	250
WSPD	Toledo, O.	5,000	WCOS	Columbia, S. C.	250	WHFC	Cicero, Ill.	250
WPAB	Ponce, P. R.	1,000	WORD	Spartanburg, S. C.	250	WCBS	Springfield, Ill.	250
KFRQ	Longview, Tex.	1,000	KOBH	Rapid City, S. D.	250	WGL	Fort Wayne, Ind.	250
<b>1380 KILOCYCLES</b>			WDEF	Chattanooga, Tenn.	250	WAOV	Vincennes, Ind.	250
WTSP	St. Petersburg, Fla.	1,000	WHUB	Cookeville, Tenn.	250	WOC	Davenport, Ia.	250
KIDO	Boise, Ida.	2,500	WKPT	Kingsport, Tenn.	250	KTRI	Sioux City, Ia.	250
KWK	St. Louis, Mo.	5,000	WHBQ	Memphis, Tenn.	250	KVAK	Atechison, Kan.	250
WAWZ	Zarephath, N. J.	1,000	KLUF	Galveston, Tex.	250	KWBG	Hutchinson, Kan.	250
WBXN	New York City	5,000	KIUN	Pecos, Tex.	250	WHLN	Harlan, Ky.	250
KBWD	Brownwood, Tex.	500	KGKL	San Angelo, Tex.	250	WLAP	Lexington, Ky.	250
KTSM	El Paso, Tex.	500	KMAC	San Antonio, Tex.	250	WPAD	Paducah, Ky.	250
WMBG	Richmond, Va.	5,000	KONO	San Antonio, Tex.	250	WNQE	New Orleans, La.	250
<b>1390 KILOCYCLES</b>			KTEM	Temple, Tex.	250	WAGM	Presque Isle, Me.	250
KGER	Long Beach, Cal.	1,000	WBTM	Danville, Va.	250	WMAS	Springfield, Mass.	250
WGES	Chicago, Ill.	1,000	KRKO	Everett, Wash.	250	WJMS	Ironwood, Mich.	250
WQBC	Vicksburg, Miss.	1,000	KWLK	Longview, Wash.	250	WIBM	Jackson, Mich.	250
WFBL	Syracuse, N. Y.	5,000	KEVR	Seattle, Wash.	250	WHLs	Port Huron, Mich.	250
KLPM	Minot, N. D.	1,000	WBLK	Clarksburg, W. Va.	250	KATE	Albert Lea, Minn.	250
KKRC	Enid, Okla.	1,000	WBTH	Williamson, W. Va.	250	KFAM	St. Cloud, Minn.	250
KSLM	Salem, Ore.	1,000	WKWK	Wheeling, W. Va.	250	WLSI	Jackson, Miss.	250
WCSC	Charleston, S. C.	1,000	WATW	Ashland, Wis.	250	WMBH	Joplin, Mo.	250
WTJS	Jackson, Tenn.	1,000	WRJN	Racine, Wis.	250	KRBM	Bozeman, Mont.	250
<b>1400 KILOCYCLES</b>			WSAU	Wausau, Wis.	250	KFUN	Las Vegas, Nev.	250
WMSL	Decatur, Ala.	250	KYAN	Cheyenne, Wyo.	250	WFPG	Atlantic City, N. J.	250
WAGF	Dothan, Ala.	250	KVRS	Rock Springs, Wyo.	250	WHDL	Olan, N. Y.	250
WJHO	Opelika, Ala.	250	KWYO	Sheridan, Wyo.	250	WKIP	Poughkeepsie, N. Y.	250
KTUC	Tucson, Ariz.	250	<b>1410 KILOCYCLES</b>			WCNC	Gastonia, N. C.	250
KELD	El Dorado, Ark.	250	WALA	Mobile, Ala.	5,000	WEED	Rocky Mount, N. C.	250
KFFW	Fort Smith, Ark.	250	KERN	Bakersfield, Cal.	1,000	WFMJ	Youngstown, O.	250
KRE	Berkeley, Cal.	250	WNBC	New Britain, Conn.	5,000	KGFF	Shawnee, Okla.	250
KIUP	Durango, Colo.	250	WING	Dayton, O.	5,000	KORE	Eugene, Ore.	250
KOKO	La Junta, Colo.	250	KQV	Pittsburgh, Pa.	1,000	KLBM	La Grande, Ore.	250
WFTL	Ft. Lauderdale, Fla.	250	WKBH	La Crosse, Wis.	5,000	KBPS	Portland, Ore.	250
WMBR	Jacksonville, Fla.	250	<b>1420 KILOCYCLES</b>			KXL	Portland, Ore.	250
WATL	Atlanta, Ga.	250	KLRA	Little Rock, Ark.	5,000	WLEU	Eric, Pa.	250
WMGA	Moultrie, Ga.	250	WHK	Cleveland, O.	5,000	WAZL	Hazlet, Pa.	250
KRLC	Lewiston, Ida.	250	WFCI	Pawtucket, R. I.	1,000	WMDF	Greenwood, S. C.	250
WDWS	Champaign, Ill.	250	KABR	Aberdeen, S. D.	5,000	KRBC	Abilene, Tex.	250
WGIL	Galesburg, Ill.	250	WQDM	St. Albans, Vt.	1,000	KRIC	Beaumont, Tex.	250
WEOA	Evansville, Ind.	250	KUJ	Walla Walla, Wash.	1,000	KDNT	Denton, Tex.	250
WKMO	Kokomo, Ind.	250	<b>1430 KILOCYCLES</b>			KRLH	Midland, Tex.	250
WGRC	New Albany, Ind.	250	WIRE	Indianapolis, Ind.	5,000	KNET	Palestine, Tex.	250
KFGQ	Boone, Ia.	250	WARD	Brooklyn, N. Y.	500	KABC	San Antonio, Tex.	250
KVFD	Fort Dodge, Ia.	250	WBBC	Brooklyn, N. Y.	500	KCMC	Texarkana, Tex.	250
KTSW	Emporia, Kan.	250	WFVW	Brooklyn, N. Y.	500	WACO	Waco, Tex.	250
KVGB	Great Bend, Kan.	250	WLTH	New York City	500	KEUB	Price, Utah	250
WRDO	Augusta, Me.	250	KTUL	Tulsa, Okla.	5,000	WCHV	Charlottesville, Va.	250
WCBM	Baltimore, Md.	250	KLO	Ogden, Utah	5,000	WMVA	Martinsville, Va.	250
WHYN	Holyoke, Mass.	250	<b>1440 KILOCYCLES</b>			WPLM	Suffolk, Va.	250
WLHL	Lowell, Mass.	250	WSFA	Montgomery, Ala.	1,000	WPAR	Parkersburg, W. Va.	250
WELL	Battle Creek, Mich.	250	WROK	Rockford, Ill.	1,000	KFIZ	Fond du Lac, Wis.	250
WHDF	Calumet, Mich.	250	WAAB	Boston, Mass.	1,000	KFBC	Cheyenne, Wyo.	250
WMBC	Detroit, Mich.	250	WBVC	Bay City, Mich.	1,000	<b>1460 KILOCYCLES</b>		
WTCM	Traverse City, Mich.	250	KFJM	Grand Forks, N. D.	1,000	KINY	Juneau, Alaska	1,000
WMIN	St. Paul, Minn.	250	KMED	Medford, Ore.	1,000	KSO	Des Moines, Ia.	5,000
WHLB	Virginia, Minn.	250	KGNC	Amarillo, Tex.	5,000	KGEZ	Kaispell, Mont.	1,000
WCBI	Columbus, Miss.	250	WHIS	Bluefield, W. Va.	1,000	(See 1340 Kc.)		
WFOR	Hattiesburg, Miss.	250	<b>1450 KILOCYCLES</b>			KGNF	North Platte, Neb.	1,000
KFVS	Cape Girardeau, Mo.	250	WHMA	Anniston, Ala.	250	WOKO	Albany, N. Y.	1,000
KFRU	Columbia, Mo.	250	WMSD	Muscle Shoals City, Ala.	250	WHEC	Rochester, N. Y.	1,000
KORN	Fremont, Neb.	250	KGLU	Safford, Ariz.	250	WBNS	Columbus, O.	5,000
KENO	Las Vegas, Nev.	250	KMVC	Marysville, Cal.	250	WHP	Harrisburg, Pa.	5,000
KICA	Clovis, N. M.	250	KFMB	San Diego, Cal.	250	WMPS	Memphis, Tenn.	1,000
KGFL	Roswell, N. M.	250	KSAN	San Francisco, Cal.	250	<b>1470 KILOCYCLES</b>		
WABY	Albany, N. Y.	250	KGIW	Alamosa, Colo.	250	WMBD	Peoria, Ill.	5,000
WBNY	Buffalo, N. Y.	250	KIDW	Lamar, Colo.	250	WBIG	Greensboro, N. C.	5,000
WSVS	Buffalo, N. Y.	250				WCBA	Allentown, Pa.	500
WSLB	Ogdensburg, N. Y.	250				WSAN	Allentown, Pa.	500
WISE	Asheville, N. C.	250				KXYA	Houston, Tex.	1,000
WCNC	Elizabeth City, N. C.	250				KELA	Centralia, Wash.	1,000
						KDFN	Casper, Wyo.	1,000



# U. S. STATIONS by Kilocycle Index cont.

Call	City	Watts	Call	City	Watts	Call	City	Watts
<b>1480 KILOCYCLES</b>			<b>1490 KILOCYCLES (Cont.)</b>			<b>1490 KILOCYCLES (Cont.)</b>		
KIEM	Eureka, Cal.	1,000	KDAL	Duluth, Minn.	250	WLSL	Koanoke, Va.	250
WAGA	Atlanta, Ga.	1,000	KDRO	Sedalia, Mo.	250	KPQ	Wenatchee, Wash.	250
KTBS	Shreveport, La.	1,000	KONB	Omaha, Neb.	250	WQKV	Charleston, W. Va.	250
WSAR	Fall River, Mass.	1,000	WBAB	Scottsbluff, Neb.	250	WIGM	Medford, Wis.	250
KCMO	Kansas City, Mo.	5,000	WBAJ	Atlantic City, N. J.	250	<b>1500 KILOCYCLES</b>		
KGXC	Wolf Point, Mont.	1,000	KAWM	Gallup, N. M.	250	WJSV	Washington, D. C.	50,000
WHOM	Jersey City, N. J.	5,000	KWEW	Hobbs, N. M.	250	KSTP	St. Paul, Minn.	50,000
WGAR	Cleveland, O.	5,000	WBTA	Batavia, N. Y.	250	<b>1510 KILOCYCLES</b>		
<b>1490 KILOCYCLES</b>			WNBF	Binghamton, N. Y.	250	WMEX	Boston, Mass.	5,000
WHBB	Selma, Ala.	250	WOLF	Syracuse, N. Y.	250	WLAC	Nashville, Tenn.	50,000
KYCA	Prescott, Ariz.	250	WKNY	Kingston, N. Y.	250	KGA	Spokane, Wash.	10,000
KOTN	Pine Bluff, Ark.	250	WDNC	Durham, N. C.	250	<b>1520 KILOCYCLES</b>		
KXO	El Centro, Cal.	250	WGTC	Greenville, N. C.	250	WHIP	Hammond, Ind.	5,000
KVOE	Santa Ana, Cal.	250	WSTP	Salisbury, N. C.	250	KWBW	Buffalo, N. Y.	50,000
KDB	Santa Barbara, Cal.	250	KOVC	Valley City, N. D.	250	KOMA	Oklahoma City, Okla.	50,000
WNLC	New London, Conn.	250	WMRN	Marion, O.	250	WPRP	Ponce, P. R.	5,000
WTMC	Ocala, Fla.	250	KBIX	Muskogee, Okla.	250	<b>1530 KILOCYCLES</b>		
WRDW	Augusta, Ga.	250	KBBK	Baker, Ore.	250	KFBK	Sacramento, Cal.	10,000
WMOG	Brunswick, Ga.	250	KRRR	Roseburg, Ore.	250	WCKY	Cincinnati, O.	50,000
WMJM	Cordele, Ga.	250	WERC	Erie, Pa.	250	<b>1560 KILOCYCLES</b>		
WRGA	Rome, Ga.	250	WGAL	Lancaster, Pa.	250	WQXR	New York, N. Y.	10,000
KTOH	Lihue, Hawaii	250	WWSW	Pittsburgh, Pa.	250	<b>1590 KILOCYCLES</b>		
WKRO	Cairo, Ill.	250	WMRC	Greenville, S. C.	250	WBRY	Waterbury, Conn.	5,000
WDAN	Danville, Ill.	250	WOPI	Bristol, Tenn.	250	WALB	Albany, Ga.	1,000
WTMV	East St. Louis, Ill.	250	KNOW	Austin, Tex.	250	KITE	Kansas City, Mo.	1,000
WKBV	Richmond, Ind.	250	KBST	Big Spring, Tex.	250	WAKR	Akron, O.	1,000
WKBB	Dubuque, Ia.	250	KNEL	Brady, Tex.	250	<b>1600 KILOCYCLES</b>		
WOMI	Owensboro, Ky.	250	KGFI	Brownsville, Tex.	250	KPMC	Bakersfield, Cal.	1,000
KPLC	Lake Charles, La.	250	KEYS	Corpus Christi, Tex.	250	WCNW	Brooklyn, N. Y.	500
WBBC	Salisbury, Md.	250	KSAM	Huntsville, Tex.	250	WWRL	Woodside, N. Y.	500
WJBK	Detroit, Mich.	250	KPAB	Laredo, Tex.	250			
WDBC	Escanaba, Mich.	250	KPLT	Paris, Tex.	250			
WKBZ	Muskegon, Mich.	250	KGKB	Tyler, Tex.	250			
			KVWC	Vernon, Tex.	250			
			WSYB	Rutland, Vt.	250			

## CANADA—Standard Broadcast Stations

Showing new frequency assignments tentatively scheduled for March 29, 1941

Call	Location	Watts	Freq'y	Call	Location	Watts	Freq'y
CBK	Watrous, Sask.	50,000	540	CJCF	Calgary, Alta.	100	1230
CFNB	Fredericton, N. B.	1,000	550	CFCH	North Bay, Ont.	100	1230
CJKL	Kirkland Lake, Ont.	1,000	560	CKNX	Wingham, Ont.	100	1230
CKUA	Edmonton, Alta.	500	580	CKTB	St. Catharines, Ont.	100	1230
CKPR	Port Arthur, Ont.	1,000	580	CHGB	Ste. Anne de la Pocatiere, Que.	100	1230
CKCL	Toronto, Ont.	1,000	580	CKVD	Val d'Or, Que.	100	1230
CJOR	Vancouver, B. C.	1,000	600	CFPR	Prince Rupert, B. C.	50	1240
CFQC	Saskatoon, Sask.	1,000	600	CBJ	Chicoutimi, Que.	100	1240
CFCF	Montreal, Que.	500	600	CKMC	Cobalt, Ont.	50	1240
CJAT	Trail, B. C.	1,000	610	CJCS	Stratford, Ont.	50	1240
CHNC	New Carlisle, Que.	1,000	610	CKCH	Hull, Que.	100	1240
CJRM	Regina, Sask.	1,000	620	CHLT	Sherbrooke, Que.	100	1240
CKOV	Kelowna, B. C.	1,000	630	CKNB	Campbellton, N. B.	100	1240
CJRC	Winnipeg, Man.	1,000	630	CFRN	Edmonton, Alta.	1,000	1260
CJCA	Edmonton, Alta.	1,000	630	CJCB	Sydney, N. S.	1,000	1270
CFCY	Charlottetown, P.E.I.	1,000	630	CKCO	Ottawa, Ont.	100	1340
CFCO	Chatham, Ont.	100	630	CKCV	Quebec, Que.	100	1340
CBF	Montreal, Que.	50,000	690	CHCK	Charlottetown, P. E. I.	50	1340
CKAC	Montreal, Que.	5,000	730	CJLS	Yarmouth, N. S.	100	1340
CBL	Toronto, Ont.	50,000	740	CFGP	Grande Prairie, Alta.	250	1340
CKSO	Sudbury, Ont.	1,000	790	CHWK	Chilliwack, B. C.	100	1340
CKLW	Windsor, Ont.	5,000	800	CKPC	Brantford, Ont.	100	1380
CFRB	Toronto, Ont.	10,000	860	CJOC	Lethbridge, Alta.	100	1400
CKBI	Prince Albert, Sask.	1,000	900	CFAR	Flin Flon, Man.	100	1400
CJBR	Rimouski, Que.	1,000	900	CKRN	Rouyn, Que.	250	1400
CHML	Hamilton, Ont.	1,000	900	CHRC	Quebec, Que.	100	1400
CBO	Ottawa, Ont.	1,000	910	CKCW	Moncton, N. B.	100	1400
CFJC	Kamloops, B. C.	1,000	910	CFOS	Owen Sound, Ont.	100	1400
CBM	Montreal, Que.	5,000	940	CKMO	Vancouver, B. C.	100	1410
CFAC	Calgary, Alta.	1,000	960	CKLN	Nelson, B. C.	100	1450
CHNS	Halifax, N. S.	1,000	960	CKCA	Kenora, Ont.	250	1450
CKCK	Regina, Sask.	1,000	980	CHLN	Three Rivers, Que.	100	1450
CBV	Quebec, Que.	1,000	980	CFLC	Prescott, Ont.	100	1450
CKWX	Vancouver, B. C.	1,000	980	CJGX	Yorkton, Sask.	1,000	1460
CKY	Winnipeg, Man.	15,000	990	CKGB	Timmins, Ont.	1,000	1470
CFCN	Calgary, Alta.	10,000	1010	CFCT	Victoria, B. C.	500	1480
CBY	Toronto, Ont.	1,000	1010	CHGS	Summerside, P. E. I.	50	1480
CBA	Sackville, N. B.	50,000	1070	CKCR	Waterloo, Ont.	100	1490
CBR	Vancouver, B. C.	5,000	1130	CFRC	Kingston, Ont.	100	1490
CKX	Brandon, Man.	1,000	1150	CHLP	Montreal, Que.	100	1490
CKOC	Hamilton, Ont.	1,000	1150	CJIC	Sault Ste. Marie, Ont.	100	1490
CHSJ	St. John, N. B.	1,000	1150	CKRC	Revelstoke, B. C.	100	1490
CHAB	Moose Jaw, Sask.	1,000	1220	CFPL	London, Ont.	1,000	1570

Listings by courtesy of BROADCASTING MAGAZINE

# U. S. BROADCASTING STATIONS

## by Call Letters

Call Letters	Location	Call Letters	Location	Call Letters	Location
KABC	San Antonio, Tex.	KFSD	San Diego, Cal.	KLZ	Denver, Col.
KABR	Aberdeen, S. D.	KFSG	Las Vegas, Nev.	KLMA	Shenandoah, Ia.
KADA	Ada, Okla.	KFUN	Las Vegas, Nev.	KMAC	San Antonio, Tex.
KALB	Alexandria, La.	KFUO	Clayton, Mo.	KMBC	Kansas City, Mo.
KALE	Portland, Ore.	KFVD	Los Angeles, Cal.	KMED	Medford, Ore.
KAND	Corsicana, Tex.	KFVS	Cape Girardeau, Mo.	KMJ	Fresno, Cal.
KANS	Wichita, Kan.	KFWB	Los Angeles, Cal.	KMLB	Monroe, La.
KARK	Little Rock, Ark.	KFXD	Nampa, Ida.	KMMJ	Grand Island, Neb.
KARM	Fresno, Cal.	KFXJ	Grand Junction, Col.	KMO	Tacoma, Wash.
KASA	Elk City, Okla.	KFXM	San Bernardino, Cal.	KMOX	St. Louis, Mo.
KAST	Astoria, Ore.	KFYO	Lubbock, Tex.	KMPC	Beverly Hills, Cal.
KATE	Albert Lea, Minn.	KFYR	Bismarck, N. D.	KMTR	Los Angeles, Cal.
KAWM	Gallup, N. M.	KGA	Spokane, Wash.	KMYC	Marysville, Cal.
KBIX	Muskogee, Okla.	KGB	San Diego, Cal.	KMYR	Denver, Col.
KBIZ	Ottumwa, Ia.	KGBU	Ketchikan, Alaska	KNYL	Brady, Tex.
KBKR	Baker, Ore.	KGBX	Springfield, Mo.	KNET	Palestine, Tex.
KBND	Bend, Ore.	KGCU	Mandan, N. D.	KNOW	Austin, Tex.
KBPS	Portland, Ore.	KGCX	Wolf Point, Mont.	KNX	Los Angeles, Cal.
KBST	Big Spring, Tex.	KGDE	Fergus Falls, Minn.	KOA	Denver, Col.
KBTM	Jonesboro, Ark.	KGDM	Stockton, Cal.	KOAC	Corvallis, Ore.
KBWD	Brownwood, Tex.	KGKE	Sterling, Col.	KOAM	Pittsburgh, Kan.
KCKN	Kansas City, Kan.	KGER	Long Beach, Cal.	KOB	Albuquerque, N. M.
KCMC	Texarkana, Tex.	KGEZ	Kalispell, Mont.	KOBH	Rapid City, S. D.
KCMO	Kansas City, Mo.	KGFF	Shawnee, Okla.	KOCA	Kilgore, Tex.
KCRC	Enid, Okla.	KGFI	Brownsville, Tex.	KOCY	Oklahoma City, Okla.
KCRJ	Jerome, Ariz.	KGFJ	Los Angeles, Cal.	KODL	The Dalles, Ore.
KDDL	Duluth, Minn.	KGFL	Roswell, N. M.	KOH	Reno, Nev.
KDB	Santa Barbara, Cal.	KGFW	Kearney, Neb.	KOIL	Omaha, Neb.
KDFN	Casper, Wyo.	KGFX	Pierre, S. D.	KOIN	Portland, Ore.
KDKA	Pittsburgh, Pa.	KGGF	Coffeyville, Kan.	KOKO	La Junta, Col.
KDLR	Devils Lake, N. D.	KGGM	Albuquerque, N. M.	KOL	Seattle, Wash.
KDNT	Denton, Tex.	KGHF	Pueblo, Col.	KOMA	Oklahoma City, Okla.
KDON	Monterey, Cal.	KGHI	Little Rock, Ark.	KOME	Tulsa, Okla.
KDRO	Sedalia, Mo.	KGHJ	Billings, Mont.	KOMO	Seattle, Wash.
KDTH	Dubuque, Ia.	KGIR	Butte, Mont.	KONB	Omaha, Neb.
KDYL	Salt Lake City, Utah.	KGIW	Alamosa, Col.	KONO	San Antonio, Tex.
KECA	Los Angeles, Cal.	KGKB	Tyler, Tex.	KOOS	Marshfield, Ore.
KELA	Centralia, Wash.	KGKL	San Angelo, Tex.	KORE	Eugene, Ore.
KELD	El Dorado, Ark.	KGKO	Fort Worth, Tex.	KORN	Fremont, Neb.
KELO	Sioux Falls, S. D.	KGKY	Scottsbluff, Neb.	KOTN	Pine Bluff, Ark.
KENO	Las Vegas, Nev.	KGLO	Mason City, Ia.	KOVC	Valley City, N. D.
KERN	Bakersfield, Cal.	KGLU	Safford, Ariz.	KOVO	Provo, Utah
KEUB	Price, Utah	KGMB	Honolulu, T. H.	KOWH	Omaha, Neb.
KEVR	Seattle, Wash.	KGNC	Amarillo, Tex.	KOY	Phoenix, Ariz.
KEX	Portland, Ore.	KGNF	North Platte, Neb.	KPAB	Laredo, Tex.
KEYS	Corpus Christi, Tex.	KGNO	Dodge City, Kan.	KPAC	Port Arthur, Tex.
KFAB	Lincoln, Neb.	KGO	San Francisco, Cal.	KPDN	Pampa, Tex.
KFAC	Los Angeles, Cal.	KGU	Honolulu, T. H.	KPFA	Helena, Mont.
KFAM	St. Cloud, Minn.	KGVO	Missoula, Mont.	KPHO	Phoenix, Ariz.
KFAR	Fairbanks, Alaska	KGW	Portland, Ore.	KPLC	Lake Charles, La.
KFBB	Great Falls, Mont.	KGY	Olympia, Wash.	KPLT	Paris, Tex.
KFBC	Cheyenne, Wyo.	KHAS	Hastings, Neb.	KPMC	Bakersfield, Cal.
KFBI	Wichita, Kan.	KHBC	Hilo, T. H.	KPO	San Francisco, Cal.
KFBK	Sacramento, Cal.	KHBG	Okmulgee, Okla.	KPOF	Denver, Col.
KFDA	Amarillo, Tex.	KHJ	Los Angeles, Cal.	KPOW	Powell, Wyo.
KFDM	Beaumont, Tex.	KHQ	Spokane, Wash.	KPPC	Pasadena, Cal.
KFDY	Brookings, S. D.	KHSL	Chico, Cal.	KPPD	Wenatchee, Wash.
KFEL	Denver, Col.	KHUB	Watsonville, Cal.	KPRC	Houston, Tex.
KFEQ	St. Joseph, Mo.	KICA	Clovis, N. M.	KQV	Pittsburgh, Pa.
KFGQ	Boone, Ia.	KID	Idaho Falls, Ida.	KQW	San Jose, Cal.
KFH	Wichita, Kan.	KIDO	Boise, Ida.	KRBA	Lufkin, Tex.
KFI	Los Angeles, Cal.	KIDW	Lamar, Cal.	KRBC	Abilene, Tex.
KFIO	Spokane, Wash.	KIEM	Eureka, Col.	KRBM	Bozeman, Mont.
KFIZ	Fond du Lac, Wis.	KIEV	Glendale, Cal.	KRE	Berkeley, Cal.
KFJB	Marshalltown, Ia.	KINY	Juneau, Alaska	KRGV	Weslaco, Tex.
KFJI	Klamath Falls, Ore.	KIRO	Seattle, Wash.	KRIC	Beaumont, Tex.
KFJM	Grand Forks, N. D.	KIT	Yakima, Wash.	KRIS	Corpus Christi, Tex.
KFJZ	Fort Worth, Tex.	KITE	Kansas City, Mo.	KRJF	Miles City, Mont.
KFKA	Greeley, Col.	KIUL	Garden City, Kan.	KRRD	Los Angeles, Cal.
KFKU	Lawrence, Kan.	KIUN	Pecos, Tex.	KRKO	Everett, Wash.
KFMB	San Diego, Cal.	KIUP	Durango, Col.	KRLC	Lewiston, Ida.
KFNF	Shenandoah, Ia.	KJBS	San Francisco, Cal.	KRLD	Dallas, Tex.
KFOR	Lincoln, Neb.	KJR	Seattle, Wash.	KRLH	Midland, Tex.
KFOX	Long Beach, Cal.	KLAH	Carlsbad, N. M.	KRMC	Jamestown, N. D.
KFPL	Dublin, Tex.	KLBM	LaGrande, Ore.	KRMD	Shreveport, La.
KFPW	Ft. Smith, Ark.	KLCN	Blytheville, Ark.	KRNR	Roseburg, Ore.
KFPY	Spokane, Wash.	KLO	Ogden, Utah	KRNT	Des Moines, Ia.
KFQD	Anchorage, Alaska	KLPM	Minot, N. D.	KROC	Rochester, Minn.
KFRG	San Francisco, Cal.	KLRA	Little Rock, Ark.	KROD	El Paso, Tex.
KFRS	Longview, Tex.	KLS	Oakland, Cal.	KROW	Oakland, Cal.
KFRU	Columbia, Mo.	KLUF	Galveston, Tex.	KROY	Sacramento, Cal.
		KLX	Oakland, Cal.	KRRV	Sherman, Tex.

# U. S. STATIONS by Call Letters cont.

Call Letters	Location
KRSC	Seattle, Wash.
KSAC	Manhattan, Kan.
KSAL	Salina, Kan.
KSAM	Huntsville, Tex.
KSAN	San Francisco, Cal.
KSCJ	Sioux City, Ia.
KSD	St. Louis, Mo.
KSEI	Pocatello, Ida.
KSFO	San Francisco, Cal.
KSL	Salt Lake City, Utah
KSLM	Salem, Ore.
KSO	Des Moines, Ia.
KSRO	Sioux Falls, S. D.
KSTP	Santa Rosa, Cal.
KSTP	St. Paul, Minn.
KSUB	Cedar City, Utah
KSUN	Lowell, Ariz.
KSWO	Lawton, Okla.
KZAR	Phoenix, Ariz.
KTBC	Austin, Tex.
KTBS	Shreveport, La.
KTEM	Temple, Tex.
KTFI	Twin Falls, Ida.
KTHS	Hot Springs, Ark.
KTKC	Visalia, Cal.
KTMS	Santa Barbara, Cal.
KTOH	Lihue, T. H.
KTOK	Oklahoma City, Okla.
KTRB	Modesto, Cal.
KTRH	Houston, Tex.
KTRI	Sioux City, Ia.
KTSA	San Antonio, Tex.
KTSM	El Paso, Tex.
KTSW	Emporia, Kan.
KTUC	Tucson, Ariz.
KTUL	Tulsa, Okla.
KTW	Seattle, Wash.
KUIN	Grants Pass, Ore.
KUJ	Walla Walla, Wash.
KUOA	Siloam Springs, Ark.
KUSD	Vermillion, S. D.
KUTA	Salt Lake City, Utah
KVAK	Atchison, Kan.
KVAN	Vancouver, Wash.
KVCV	Redding, Cal.
KVEC	San Luis Obispo, Cal.
KVFD	Ft. Dodge, Ia.
KVGB	Great Bend, Kan.
KVI	Tacoma, Wash.
KVIC	Victoria, Tex.
KVNU	Logan, Utah
KVOA	Tucson, Ariz.
KVOD	Denver, Col.
KVOE	Santa Ana, Cal.
KVOL	Lafayette, La.
KVOO	Tulsa, Okla.
KVOR	Colorado Springs, Col.
KVOS	Bellingham, Wash.
KVOX	Moorhead, Minn.
KVRS	Rock Springs, Wyo.
KVSF	Santa Fe, N. M.
KVSO	Ardmore, Okla.
KVWC	Vernon, Tex.
KWAL	Wallace, Ida.
KWAT	Watertown, S. D.
KWBG	Hutchinson, Kan.
KWEW	Hobbs, N. M.
KWFC	Hot Springs, Ark.
KWFT	Wichita Falls, Tex.
KWG	Stockton, Cal.
KWL	Albany, Ore.
KWJB	Globe, Ariz.
KWJJ	Portland, Ore.
KWK	St. Louis, Mo.
KWKH	Shreveport, La.
KWLL	Decorah, Ia.
KWLK	Longview, Wash.
KWLM	Wilmar, Minn.
KWNO	Winona, Minn.
KWOC	Poplar Bluff, Mo.
KWOS	Jefferson City, Mo.
KWSC	Pullman, Wash.
KWTO	Springfield, Mo.
KWYO	Sheridan, Wyo.
KXA	Seattle, Wash.
KXL	Portland, Ore.
KXO	El Centro, Cal.
KXOK	St. Louis, Mo.
KXOX	Sweetwater, Tex.

Call Letters	Location
KXRO	Aberdeen, Wash.
KXYZ	Houston, Tex.
KYA	San Francisco, Cal.
KYAN	Cheyenne, Wyo.
KYCA	Prescott, Ariz.
KYOS	Merced, Cal.
KYSM	Mankato, Minn.
KYUM	Yuma, Ariz.
KYY	Philadelphia, Pa.

W	Location
WAAB	Boston, Mass.
WAAF	Chicago, Ill.
WAAT	Jersey City, N. J.
WABC	New York, N. Y.
WABI	Bangor, Me.
WABY	Albany, N. Y.
WACO	Waco, Tex.
WADC	Akron, O.
WAGA	Atlanta, Ga.
WAGE	Salina, N. Y.
WAGF	Dothan, Ala.
WAGM	Presque Isle, Me.
WAIM	Anderson, S. C.
WAIR	Winston-Salem, N. C.
WAJR	Morgantown, W. Va.
WAKR	Akron, O.
WALA	Mobile, Ala.
WALB	Albany, Ga.
WAML	Laurel, Miss.
WAOV	Vincennes, Ind.
WAPI	Birmingham, Ala.
WAPF	Chattanooga, Tenn.
WARD	Brooklyn, N. Y.
WARM	Scranton, Pa.
WASH	Grand Rapids, Mich.
WATL	Atlanta, Ga.
WATN	Watertown, N. Y.
WATR	Waterbury, Conn.
WATW	Ashland, Wis.
WAVE	Louisville, Ky.
WAWZ	Zarephath, N. J.
WAYX	Waycross, Ga.
WAZL	Hazleton, Pa.
WBAA	West Lafayette, Ind.
WBAB	Atlantic City, N. J.
WBAL	Baltimore, Md.
WBAP	Fort Worth, Tex.
WBAX	Wilkes-Barre, Pa.
WBBC	Brooklyn, N. Y.
WBBL	Richmond, Va.
WBEM	Chicago, Ill.
WBFB	Brooklyn, N. Y.
WBFB	Ponca City, Okla.
WBGM	Bay City, Mich.
WBEN	Buffalo, N. Y.
WBHP	Huntsville, Ala.
WBIG	Greensboro, N. C.
WBIR	Knoxville, Tenn.
WBLJ	Dalton, Ga.
WBLK	Clarksburg, W. Va.
WBML	Macon, Ga.
WBNS	Columbus, O.
WBNU	New York, N. Y.
WBOC	Buffalo, N. Y.
WBOW	Salisbury, Md.
WBRE	Terre Haute, Ind.
WBRC	Red Bank, N. J.
WBRE	Birmingham, Ala.
WBRR	Wilkes-Barre, Pa.
WBRR	Pittsfield, Mass.
WBRY	Welch, W. Va.
WBT	Waterbury, Conn.
WBTA	Charlotte, N. C.
WBTH	Batavia, N. Y.
WBTM	Williamson, W. Va.
WBZ	Danville, Va.
WBZA	Boston, Mass.
WCAD	Boston, Mass.
WCAE	Canton, N. Y.
WCAL	Pittsburgh, Pa.
WCAM	Northfield, Minn.
WCAN	Camden, N. J.
WCAP	Baltimore, Md.
WCAR	Asbury Park, N. J.
WCAT	Pontiac, Mich.
WCAU	Rapid City, S. D.
WCAX	Philadelphia, Pa.
WCAX	Burlington, Vt.

Call Letters	Location
WCBA	Carthage, Ill.
WCBD	Allentown, Pa.
WCBI	Chicago, Ill.
WCBL	Columbus, Miss.
WCBM	Baltimore, Md.
WCBS	Springfield, Ill.
WCBT	Roanoke Rapids, N. C.
WCBO	Minneapolis, Minn.
WCED	DuBois, Pa.
WCFL	Chicago, Ill.
WCFS	Charleston, W. Va.
WCHV	Charlottesville, Va.
WCKY	Cincinnati, O.
WCLE	Cleveland, O.
WCLO	Janesville, Wis.
WCLS	Joliet, Ill.
WCMI	Ashland, Ky.
WCNC	Elizabeth City, N. C.
WCNW	Brooklyn, N. Y.
WCOA	Pensacola, Fla.
WCOC	Meridian, Miss.
WCOL	Columbus, O.
WCOP	Boston, Mass.
WCOS	Columbia, S. C.
WCOW	Lewisburg, Me.
WCOV	Montgomery, Ala.
WCPO	Cincinnati, O.
WCRW	Chicago, Ill.
WCSC	Charleston, S. C.
WCSH	Portland, Me.
WCDF	Tampa, Fla.
WDAE	Kansas City, Mo.
WDAK	West Point, Ga.
WDAN	Danville, Ill.
WDAS	Philadelphia, Pa.
WDAY	Fargo, N. D.
WDBC	Escanaba, Mich.
WDBJ	Roanoke, Va.
WDBO	Orlando, Fla.
WDEF	Chattanooga, Tenn.
WDEL	Wilmington, Del.
WDEV	Waterbury, Vt.
WDGY	Minneapolis, Minn.
WDLF	Panama City, Fla.
WDMJ	Marquette, Mich.
WDNC	Durham, N. C.
WDOO	Chattanooga, Tenn.
WDRC	Hartford, Conn.
WDSM	Superior, Wis.
WDSU	New Orleans, La.
WDWS	Champaign, Ill.
WDZ	Tuscola, Ill.
WEAF	New York, N. Y.
WEAN	Providence, R. I.
WEAU	Eau Claire, Wis.
WEBC	Duluth, Minn.
WEBQ	Harrisburg, Ill.
WEBR	Buffalo, N. Y.
WEDC	Chicago, Ill.
WEED	Rocky Mount, N. C.
WEEI	Boston, Mass.
WEUU	Reading, Pa.
WELI	New Haven, Conn.
WELL	Battle Creek, Mich.
WEMP	Milwaukee, Wis.
WENR	Chicago, Ill.
WENY	Elmira, N. Y.
WEOA	Evansville, Ind.
WERC	Eric, Pa.
WEST	Easton, Pa.
WESX	Salem, Mass.
WEVD	New York, N. Y.
WEW	St. Louis, Mo.
WEXL	Royal Oak, Mich.
WFAA	Dallas, Tex.
WFAM	South Bend, Ind.
WFAS	White Plains, N. Y.
WFBC	Greenville, S. C.
WFBL	Altoona, Pa.
WFBS	Syracuse, N. Y.
WFBS	Indianapolis, Ind.
WFBR	Baltimore, Md.
WFBI	Pawtucket, R. I.
WFDF	Flint, Mich.
WFEE	Manchester, N. H.
WFHR	Wisconsin Rapids, Wis.
WFIG	Sumter, S. C.
WFIL	Philadelphia, Pa.
WFLA	Tampa, Fla.

# U. S. STATIONS *by Call Letters cont.*

Call Letters	Location
WFMD	Frederick, Md.
WFMJ	Youngstown, O.
WFNC	Fayetteville, N. C.
WFOR	Hattiesburg, Miss.
WFOY	St. Augustine, Fla.
WFPG	Atlantic City, N. J.
WFTC	Kinston, N. C.
WFTL	Ft. Lauderdale, Fla.
WFTM	Fort Myers, Fla.
WFVA	Fredericksburg, Va.
WGAC	Augusta, Ga.
WGAL	Lancaster, Pa.
WGAN	Portland, Me.
WGAR	Cleveland, O.
WGAU	Athens, Ga.
WGBB	Freeport, N. Y.
WGBF	Evansville, Ind.
WGBI	Scranton, Pa.
WGBR	Goldsboro, N. C.
WGCM	Gulfpport, Miss.
WGES	Chicago, Ill.
WGGA	Gainesville, Ga.
WGH	Newport News, Va.
WGLI	Galesburg, Ill.
WGLV	Charleston, W. Va.
WGL	Ft. Wayne, Ind.
WGN	Chicago, Ill.
WGNB	Gastonia, N. C.
WGNV	Newburg, N. Y.
WGOV	Valdosta, Ga.
WGPC	Albany, Ga.
WGR	Buffalo, N. Y.
WGRE	Grand Rapids, Mich.
WGRG	New Albany, Ind.
WGRM	Greenwood, Miss.
WGST	Atlanta, Ga.
WGTC	Greenville, N. C.
WGTM	Wilson, N. C.
WGY	Schenectady, N. Y.
WHA	Madison, Wis.
WHAI	Greenfield, Mass.
WHAL	Saginaw, Mich.
WHAM	Rochester, N. Y.
WHAS	Louisville, Ky.
WHAT	Philadelphia, Pa.
WHAZ	Troy, N. Y.
WHB	Kansas City, Mo.
WHBB	Selma, Ala.
WHBC	Canton, O.
WHBF	Rock Island, Ill.
WHBI	Newark, N. J.
WHBL	Sheboygan, Wis.
WHBO	Memphis, Tenn.
WHBU	Anderson, Ind.
WHBY	Appleton, Wis.
WHCU	Ithaca, N. Y.
WHDF	Calumet, Mich.
WHDH	Boston, Mass.
WHDL	Olean, N. Y.
WHEB	Portsmouth, N. H.
WHEC	Rochester, N. Y.
WHFC	Cicero, Ill.
WHIO	Dayton, O.
WHIP	Hammond, Ind.
WHIS	Bluefield, W. Va.
WHIZ	Zanesville, O.
WHJB	Greensburg, Pa.
WHK	Cleveland, O.
WHKC	Columbus, O.
WHKY	Hickory, N. C.
WHLB	Virginia, Minn.
WHLD	Niagara Falls, N. Y.
WHLN	Harlan, Ky.
WHLS	Port Huron, Mich.
WHMA	Anniston, Ala.
WHN	New York, N. Y.
WHO	Des Moines, Ia.
WHOM	Jersey City, N. J.
WHOP	Hopkinsville, Ky.
WHP	Harrisburg, Pa.
WHUB	Cookeville, Tenn.
WHYN	Holyoke, Mass.
WIBA	Madison, Wis.
WIBC	Indianapolis, Ind.
WIBG	Glenside, Pa.
WIBM	Jackson, Mich.
WIBU	Poynette, Wis.
WIBW	Topeka, Kan.
WIBX	Utica, N. Y.

Call Letters	Location
WICA	Ashtabula, O.
WICC	Bridgeport, Conn.
WIGM	Medford, Wis.
WIL	St. Louis, Mo.
WILL	Urbana, Ill.
WILM	Wilmingon, Del.
WIND	Gary, Ind.
WING	Dayton, O.
WINN	Louisville, Ky.
WINS	New York, N. Y.
WINX	Washington, D. C.
WIOD	Miami, Fla.
WIP	Philadelphia, Pa.
WIRE	Indianapolis, Ind.
WIS	Columbia, S. C.
WISE	Asheville, N. C.
WISH	Indianapolis, Ind.
WISN	Milwaukee, Wis.
WITF	Baltimore, Md.
WIZE	Springfield, O.
WIAC	Johnstown, Pa.
WIAG	Norfolk, Neb.
WIAR	Providence, R. I.
WIAS	Pittsburgh, Pa.
WIAX	Jacksonville, Fla.
WJBC	Bloomington, Ill.
WJBK	Detroit, Mich.
WJBO	Baton Rouge, La.
WJBW	New Orleans, La.
WJBY	Gadsden, Ala.
WJDX	Jackson, Miss.
WJEJ	Hagerstown, Md.
WJHL	Johnson City, Tenn.
WJHO	Opelika, Ala.
WJHP	Jacksonville, Fla.
WJIM	Lansing, Mich.
WJJD	Chicago, Ill.
WJLS	Beckley, W. Va.
WJMC	Rice Lake, Wis.
WJMS	Ironwood, Mich.
WJNO	W. Palm Beach, Fla.
WJOB	Hammond, Ind.
WJPF	Herrin, Ill.
WJPR	Greenville, Miss.
WJR	Detroit, Mich.
WJRD	Tuscaloosa, Ala.
WJSV	Washington, D. C.
WJTN	Jamestown, N. Y.
WJW	Akron, O.
WJZ	New York, N. Y.
WKAQ	San Juan, Puerto Rico
WKAR	East Lansing, Mich.
WKAT	Miami Beach, Fla.
WKBB	Dubuque, Ia.
WKBN	LaCrosse, Wis.
WKBO	Youngstown, O.
WKBV	Harrisburg, Pa.
WKBW	Richmond, Ind.
WKBZ	Buffalo, N. Y.
WKBU	Muskegon, Mich.
WKCP	Griffin, Ga.
WKIP	Poughkeepsie, N. Y.
WKMO	Kokomo, Ind.
WKNE	Keene, N. H.
WKNY	Kingston, N. Y.
WKOK	Sunbury, Pa.
WKPA	New Kensington, Pa.
WKPT	Kingsport, Tenn.
WKRC	Cincinnati, O.
WKRO	Cairo, Ill.
WKST	New Castle, Pa.
WKWK	Wheeling, W. Va.
WKY	Oklahoma City, Okla.
WKZO	Kalamazoo, Mich.
WLAC	Nashville, Tenn.
WLAG	La Grange, Ga.
WLAK	Lakeland, Fla.
WLAP	Lexington, Ky.
WLAV	Grand Rapids, Mich.
WLAW	Lawrence, Mass.
WLB	Minneapolis, Minn.
WLCB	Muncie, Ind.
WLBJ	Bowling Green, Ky.
WLBL	Stevens Point, Wis.
WLBZ	Bangor, Me.
WLEU	Eric, Pa.
WLLH	Lowell, Mass.
WLNH	Laconia, N. H.
WLOF	Orlando, Fla.

Call Letters	Location
WLOG	Logan, W. Va.
WLOK	Lima, O.
WLOL	Minneapolis, Minn.
WLPM	Suffolk, Va.
WLS	Chicago, Ill.
WLTH	New York, N. Y.
WLVA	Lynchburg, Va.
WLW	Cincinnati, O.
WMAL	Washington, D. C.
WMAM	Marinette, Wis.
WMAN	Mansfield, O.
WMAQ	Chicago, Ill.
WMAS	Springfield, Mass.
WMAW	Worcester, Mass.
WMAZ	Macon, Ga.
WMB	Detroit, Mich.
WMBD	Peoria, Ill.
WMBG	Richmond, Va.
WMBH	Joplin, Mo.
WMBI	Chicago, Ill.
WMBO	Auburn, N. Y.
WMBR	Jacksonville, Fla.
WMBS	Uniontown, Pa.
WMC	Memphis, Tenn.
WMCA	New York, N. Y.
WMDF	Greenwood, S. C.
WMEX	Boston, Mass.
WMFD	Wilmington, N. C.
WMFF	Plattsburg, N. Y.
WMFG	Hibbing, Minn.
WMFJ	Daytona Beach, Fla.
WMFR	High Point, N. C.
WMGA	Moultrie, Ga.
WMIN	St. Paul, Minn.
WMJM	Cordele, Ga.
WMMN	Fairmont, W. Va.
WMOB	Mobile, Ala.
WMOG	Brunswick, Ga.
WMPC	Laper, Mich.
WMPS	Memphis, Tenn.
WMRC	Greenville, S. C.
WMRN	Marion, O.
WMRO	Aurora, Ill.
WMSD	Muscle Shoals City, Ala.
WMSL	Decatur, Ala.
WMT	Cedar Rapids, Ia.
WMUR	Manchester, N. H.
WMVA	Martinsville, Va.
WMWH	Augusta, Ga.
WNA	Bridgeport, Conn.
WNAB	Boston, Mass.
WNAC	Norman, Okla.
WNAD	Yankton, S. D.
WNAX	New Britain, Conn.
WNBC	Binghamton, N. Y.
WNBF	New Bedford, Mass.
WNBH	Saranac Lake, N. Y.
WNBZ	San Juan, Puerto Rico
WNEL	New York, N. Y.
WNEW	New London, Conn.
WNLC	New Orleans, La.
WNOE	Knoxville, Tenn.
WNOX	New York, N. Y.
WNYC	San Antonio, Tex.
WOAI	Davenport, Ia.
WOC	Hyannis, Mass.
WOCB	Ames, Ia.
WOI	Albany, N. Y.
WOKO	Washington, D. C.
WOL	Syracuse, N. Y.
WOLF	Florence, S. C.
WOLS	Owensboro, Ky.
WOMI	Manitowoc, Wis.
WOMT	Grand Rapids, Mich.
WOOD	Bristol, Tenn.
WOPI	Newark, N. J.
WOR	Worcester, Mass.
WORC	Spartanburg, S. C.
WORD	York, Pa.
WORK	Boston, Mass.
WORLD	Columbus, O.
WOSU	New York, N. Y.
WOW	Omaha, Neb.
WOWO	Ft. Wayne, Ind.
WPAB	Ponce, Puerto Rico
WPAD	Paducah, Ky.
WPAP	Parkersburg, W. Va.
WPAT	Paterson, N. J.
WPAX	Thomasville, Ga.

# U. S. STATIONS by Call Letters cont.

<b>Call Letters</b>	<b>Location</b>	<b>Call Letters</b>	<b>Location</b>	<b>Call Letters</b>	<b>Location</b>
WPAY	Portsmouth, O.	WSAN	Allentown, Pa.	WTAD	Quincy, Ill.
WPEN	Philadelphia, Pa.	WSAR	Fall River, Mass.	WTAG	Worcester, Mass.
WPER	DeLand, Fla.	WSAU	Wausau, Wis.	WTAL	Tallahassee, Fla.
WPIC	Sharon, Pa.	WSAV	Savannah, Ga.	WTAM	Cleveland, O.
WPID	Petersburg, Va.	WSAZ	Rochester, N. Y.	WTAQ	Green Bay, Wis.
WPRA	Mayaguez, Puerto Rico	WSB	Huntington, W. Va.	WTAR	Norfolk, Va.
WPRO	Providence, R. I.	WSBC	Atlanta, Ga.	WTAW	College Station, Tex.
WPRP	Ponce, Puerto Rico	WSBT	Chicago, Ill.	WTAX	Springfield, Ill.
WPTF	Raleigh, N. C.	WSBZ	South Bend, Ind.	WTBO	Cumberland, Md.
WQAM	Miami, Fla.	WSFA	Montgomery, Ala.	WTCM	Traverse City, Mich.
WQAN	Scranton, Pa.	WSGN	Birmingham, Ala.	WTCN	Minneapolis, Minn.
WQBC	Vicksburg, Miss.	WSIX	Nashville, Tenn.	WTEL	Philadelphia, Pa.
WQDM	St. Albans, Vt.	WSJS	Winston-Salem, N. C.	WTHT	Hartford, Conn.
WQXR	New York, N. Y.	WSKB	McComb, Miss.	WTIC	Hartford, Conn.
WRAK	Williamsport, Pa.	WSLB	Ogdensburg, N. Y.	WTJS	Jackson, Tenn.
WRAL	Raleigh, N. C.	WSLS	Jackson, Miss.	WTMA	Charleston, S. C.
WRAW	Reading, Pa.	WSM	Roanoke, Va.	WTMC	Ocala, Fla.
WRBL	Columbus, Ga.	WSMJ	Nashville, Tenn.	WTMJ	Milwaukee, Wis.
WRC	Washington, D. C.	WSNB	New Orleans, La.	WTMV	E. St. Louis, Ill.
WRDO	Augusta, Me.	WSNJ	Bridgeton, N. J.	WTNJ	Trenton, N. J.
WRDW	Augusta, Ga.	WSOC	Charlotte, N. C.	WTOT	Savannah, Ga.
WREC	Memphis, Tenn.	WSOO	Sault Ste. Marie, Mich.	WTOL	Toledo, O.
WREN	Lawrence, Kan.	WSOY	Decatur, Ill.	WTRC	Elkhart, Ind.
WRGA	Rome, Ga.	WSPA	Spartanburg, S. C.	WTRY	Troy, N. Y.
WRJN	Racine, Wis.	WSPB	Sarasota, Fla.	WTSP	St. Petersburg, Fla.
WRLC	Toccoa, Ga.	WSPD	Toledo, O.	WVFW	Brooklyn, N. Y.
WRNL	Richmond, Va.	WSPR	Springfield, Mass.	WWDC	Washington, D. C.
WROK	Rockford, Ill.	WSTP	Salisbury, N. C.	WWJ	Detroit, Mich.
WROL	Knoxville, Tenn.	WSTV	Steubenville, O.	WWL	New Orleans, La.
WRR	Dallas, Tex.	WSUI	Iowa City, Ia.	WWNC	Asheville, N. C.
WRUF	Gainesville, Fla.	WSUN	St. Petersburg, Fla.	WWNY	Watertown, N. Y.
WRVA	Richmond, Va.	WSPA	Harrisonburg, Va.	WWRL	Woodside, N. Y.
WSAI	Cincinnati, O.	WSVS	Buffalo, N. Y.	WWSW	Pittsburgh, Pa.
WSAJ	Grove City, Pa.	WSYB	Rutland, Vt.	WVVA	Wheeling, W. Va.
WSAM	Saginaw, Mich.	WSYR	Syracuse, N. Y.	WXYZ	Detroit, Mich.

## TELEVISION STATIONS

AUTHORIZED BY THE FCC

As of January 1, 1941

### CHANNELING SYSTEM

<b>Channel No. 1</b> 50-60 meg. 2 60-66 meg.	<b>Channel No. 3</b> 66-72 meg. 4 78-84 meg.	<b>Channel No. 5</b> 84-90 meg. 6 96-102 meg.
<b>Channel No. 7</b> 102-108 meg.	<b>Channel No. 8</b> 162-168 meg. 9 180-186 meg.	<b>Channel No. 10</b> 186-192 meg. 11 204-210 meg. 12 210-216 meg.
<b>Channel No. 13</b> 234-240 meg. 14 240-246 meg.	<b>Channel No. 15</b> 258-264 meg. 16 264-270 meg.	<b>Channel No. 17</b> 282-288 meg. 18 288-294 meg.

### GROUP C

Any 6,000 kc. band above 300,000 kc. excluding band 400,000-401,000 kc.

<b>Call Letters</b>	<b>Location</b>	<b>Channel No.</b>	<b>Call Letters</b>	<b>Location</b>	<b>Channel No.</b>	<b>Call Letters</b>	<b>Location</b>	<b>Channel No.</b>
W1XG	Boston, Mass.	*	W6XIJ	Los Angeles, Cal.	10	W2XBT	New York City	8
W3XAD	Camden, N. J.	Group C	W6XMC	Los Angeles, Cal.	12	W2XVT	Passaic, N. J.	4
W3XEP	Camden, N. J.	5	W6XYZ	Los Angeles, Cal.	4	W2XWV	Passaic, N. J.	4
W9XZV	Chicago, Ill.	1	W6XLA	Los Angeles, Cal.	13 & 14	W3XPP	Philadelphia, Pa.	7
W9XBK	Chicago, Ill.	2	W9XAK	Manhattan, Kan.	1	W3XE	Philadelphia, Pa.	3
W9XBT	Chicago, Ill.	11 & 12	W9XMJ	Milwaukee, Wis.	3	W3XP	Philadelphia, Pa.	13 & 14
W8XCT	Cincinnati, O.	1	W2XB	New Scotland, N. Y.	6	W3XAU	Philadelphia, Pa.	5
W9XUI	Iowa City, Ia.	1 & 12	W2XI	New Scotland, N. Y.	8	W6XDL	San Francisco, Cal.	1
W9XAL	Kansas City, Mo.	*	W2XBB	New York City	6	W6XHT	San Francisco, Cal.	2
W6XEA	Los Angeles, Cal.	6	W2XAB	New York City	1	W2XH	Schenectady, N. Y.	18
W6XCB	Los Angeles, Cal.	4	W2XCB	New York City	Group C	W2XD	Schenectady, N. Y.	8
W6XHH	Los Angeles, Cal.	2	W10XKT	New York City	15 & 16	W3XWT	Washington, D. C.	1
W6XAO	Los Angeles, Cal.	1	W2XMT	New York City	8	W3XNB	Washington, D. C.	2
W6XDU	Los Angeles, Cal.	Gr. C	W2XBS	New York City	1	W9XG	West Lafayette, Ind.	3
			W2XBU	New York City	17 & 18			

List courtesy Broadcasting Magazine

\*Station required to apply for modification of license for new frequencies



# RADIO PROGRAM GUIDE

## STANDARD BROADCASTING STATIONS

### Sunday

TIME	STATION	DIAL SETTING	PROGRAM

### Monday

TIME	STATION	DIAL SETTING	PROGRAM

### Tuesday


### Wednesday

TIME	STATION	DIAL SETTING	PROGRAM

### Thursday


### Friday

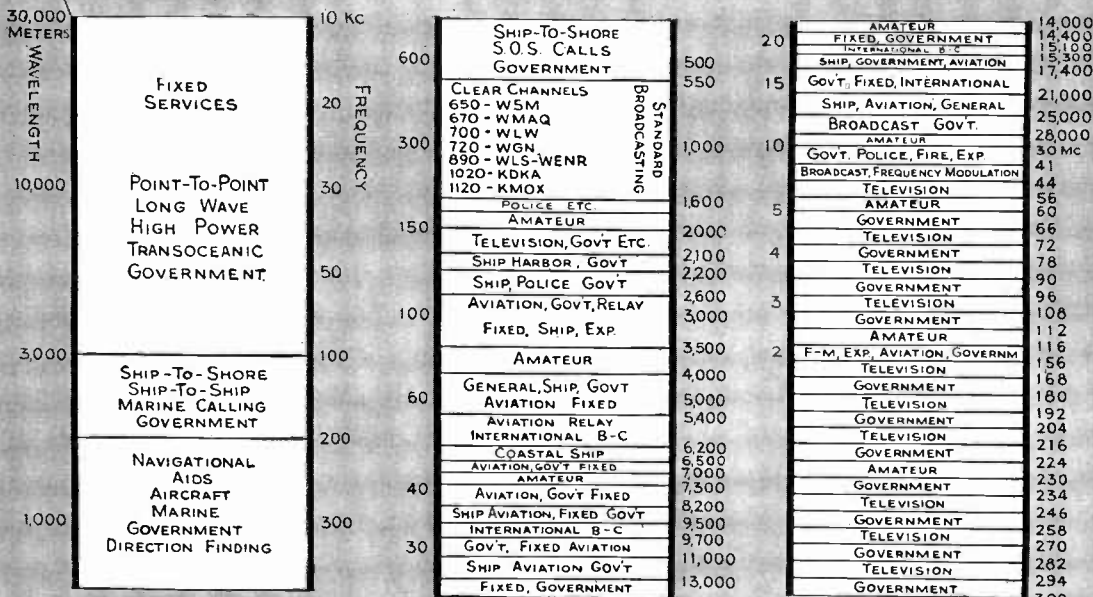

### Saturday



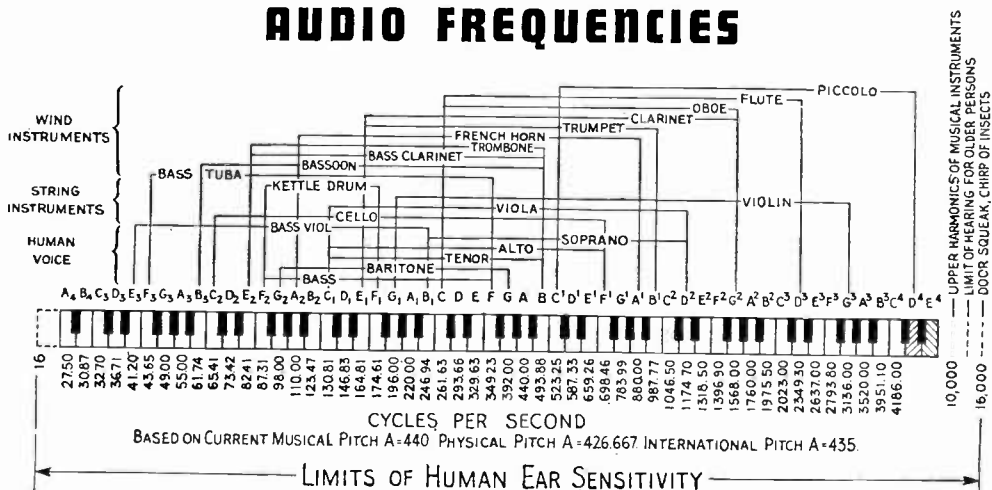

# HOW *Frequencies* ARE ALLOCATED

The "Radio Frequencies" chart demonstrates how frequency channels are allocated so as to avoid confusion between the various radio services. The lower "Audio Frequencies" chart depicts the tonal range of different musical instruments and their corresponding frequencies.

## RADIO FREQUENCIES



## AUDIO FREQUENCIES



Charts reproduced through courtesy of ELECTRONICS Magazine

The background of the advertisement is a vibrant, stylized illustration. At the top left, there are domes and minarets of an Islamic-style building. In the top right, three figures in traditional attire are playing stringed instruments. Below them is a windmill on a small island. In the middle right, a large, multi-towered castle or cathedral sits on a hill. At the bottom left, two camels are being ridden across a desert landscape with pyramids in the distance. The central focus is a white shield-shaped sign with a green border.

*RCA Victor*  
RADIO TUBES



THE  
*Preferred Type*  
RENEWAL  
TUBE

THE GUNN & WELLS MUSIC CO.  
N. B. C. BLDG.  
1629 California St.  
Denver's Radio City