ATWATER KENT

WORLD-WIDE RADIO STATION DIRECTORY

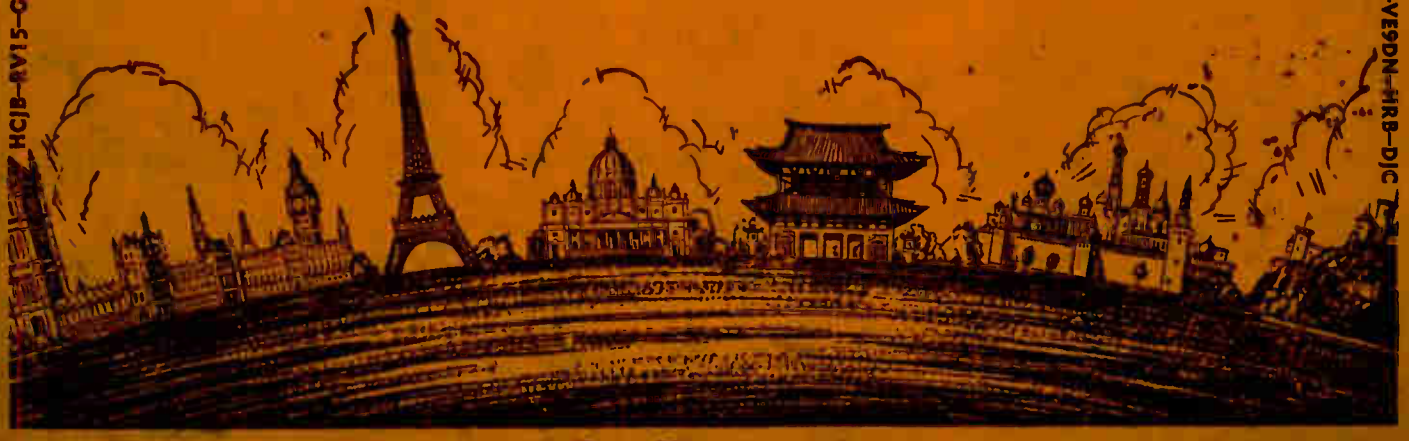
STANDARD BROADCAST

—

DOMESTIC AND FOREIGN SHORT-WAVE

—

POLICE CALLS



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ATWATER KENT RADIO LOG

CITY	STATION	DIAL

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ATWATER KENT

WORLD-WIDE RADIO STATION DIRECTORY

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ATWATER KENT MANUFACTURING COMPANY

4700 WISSAHICKON AVENUE, PHILADELPHIA, PA.

Listening In with Atwater Kent All Wave Radio

STANDARD BROADCASTS

(540 to 1600 Kilocycles, or 54 to 160 on Atwater Kent Dial)

The invaluable features of entertainment, information and education provided by standard broadcast stations are now greatly increased by the thrill and variety afforded in foreign short wave broadcasts.

If you seek variety, simply switch to short waves, and a new world of entertainment is at your command.

SHORT WAVE BROADCASTS

(Foreign and Domestic)

The principal short wave broadcast stations operate at two or more different frequencies, using the higher frequencies during day, and the lower frequencies after dark. This is done because the higher frequencies are transmitted best during daytime, and the lower frequencies are transmitted best after dark.

It is very difficult to receive long distance in daytime on standard broadcast, but short waves (high frequencies) are just the opposite, and afford good reception in daytime.

There are hundreds of short wave broadcast stations, and we have listed the principal ones in this directory for your convenience.

The most reliable European stations include:

Daventry (London), England,
Zeesen (Berlin), Germany,
Pontoise (Paris), France,
Madrid, Spain,
Rome, Italy,

and numerous South American stations.

United States and Canadian short wave broadcast stations are used to relay the programs of standard broadcast stations. In daytime you can frequently receive the programs of certain distant broadcast stations better on short waves than on the standard broadcast waves. For list of standard and corresponding short wave stations in the United States, see page 16.

AMATEUR PHONE STATIONS

(1.8 to 2.0, 3.9 to 4 and 14.15 to 14.25 megacycles)

Amateur radio transmission is a fascinating hobby for thousands of persons all over the world. Amateurs are given credit for much of the development in the use of short waves.

With several thousand amateur stations in operation, the amateur bands are naturally crowded and interference is to be expected. You may hear several amateur stations at one point on the dial without turning the knob.

You will generally hear only one side of an amateur conversation, unless you locate both stations and then tune back and forth from one to the other.

Amateurs employ a language of their own: When you hear an amateur "calling CQ," it means a general call for any other amateur to answer. "73" means "best regards." "QSA" indicates strength of reception. "QRM" means interference in reception. "Modulation" refers to the tone quality.

Amateur phone stations operate at all hours of the day and night and usually give their locations as well as the call letters.

POLICE RADIO STATIONS

(1.6 to 1.7 and 2.4 to 2.5 megacycles)

Police radio calls, ranging all the way from reports of noisy parties to robbery and murder, provide a constant source of interest.

Police radio stations are crowded in two narrow frequency bands and for this reason you may hear several police stations at one point on the dial without turning the knob.

Police announcers frequently give only the call letters and omit the name of the city, so we have arranged the list of police stations in this directory alphabetically by call letters, as this will enable you to find the location of the station as soon as you hear the call letters.

AIRCRAFT RADIO

(2.3 to 3.5 and 4.1 to 5.7 megacycles)

Contact is maintained between airplanes and airports by means of short wave radio-phone transmitters. Weather reports, landing conditions and other vital information is passed along without delay to ensure the safety of passenger and mail planes.

At times you can hear both sides of an airplane-to-airport conversation. At other times you may hear airports in several different cities operating at the same point on the dial.

Aircraft reports are usually very brief.

SHIP STATIONS AND EXPERIMENTAL PHONE STATIONS

Some of the larger passenger ships operate radio-phone service on the following frequencies: 2.3, 4.2, 7.6, 8.8, 11.2, 11.5, 11.7, 13.2 and 17.6 megacycles approximately.

Experimental and commercial phone stations are not listed in this directory. These stations will be found at various points on the short wave scale outside of the regular short wave broadcast bands. In many cases the speech is electrically "garbled" to preserve secrecy, and usually only one side of the conversation can be heard.

CODE (DOT-DASH) STATIONS

You will find code stations all over the short wave ranges, but seldom in the bands that are reserved for short wave broadcast stations.

The sound of code stations varies from faint chirping, whistling, or buzzing, to strong clicking or thumping. You will note the slow dot-dashes of an amateur beginner, and the staccato dot-dashes of high-speed commercial code stations.

Television transmitters sound like high-speed code stations. Television is still in the experimental stage and special equipment is required for its reproduction.

Do not mistake code stations for electrical interference. Code stations can be tuned in or out with a slight movement of the tuning knob, while electrical interference usually spreads over an appreciable section of the dial.

HARMONICS OF LOCAL BROADCAST STATIONS

When you strike the key of a piano, you hear not only its fundamental tone, but also overtones, or higher frequencies than the fundamental. In the same way, a radio station sends out its fundamental frequency and also harmonics which are multiples (1, 2, 3, 4, etc., times the fundamental). The power sent out in these harmonics is limited by law to a low value, but if you live near a broadcast station, you may hear one or more of these harmonics on the short wave scale. For instance, if you have a local station at 1500 kilocycles (1.5 megacycles), you may hear its harmonics at 3.0, 4.5 or 6.0 megacycles, etc., but with greatly diminished volume.

This Atwater Kent station directory includes lists of the principal short wave stations that broadcast entertainment. For a complete list of short wave radio telephone stations, including commercial and experimental stations, we recommend a publication of the U. S. Department of Commerce, entitled "World Short-Wave Radiophone Transmitters," which costs twenty-five cents per copy.

ATWATER KENT RADIO

Briefly, there are five principal "international" short wave broadcast bands, in each of which you will find European, South American, United States, and Canadian short wave broadcast stations. These five bands will be found at the following sections on the dial:

WHERE TO TUNE

The 6-megacycle (49 meter) band at approximately 6.0 to 6.5 megacycles.

The 10-megacycle (31 meter) band at approximately 9.5 to 10.0 megacycles.

The 12-megacycle (25 meter) band at approximately 11.5 to 12.0 megacycles.

The 15-megacycle (19 meter) band at approximately 15.0 to 15.5 megacycles.

The 18-megacycle (16 meter) band at approximately 17.6 to 17.9 megacycles.

WHEN TO TUNE

The best time to tune on these five bands is as follows:

In early morning and daytime, tune very slowly at the 10, 12, 15 and 18 megacycle bands.

In the afternoon and night, tune slowly at the 6, 10 and 12 megacycle bands.

Remember the difference in time; when it is 8 P. M. in New York, it is 1 A. M. in London. At this hour most of the European stations have signed off, but numerous South American stations are still operating.

Because of the frequent changes of operating schedules of short wave broadcast stations, we have not included a programme time schedule in this directory. Such information is now printed in many newspapers and radio magazines.

Do not expect to receive a foreign short wave station merely because it is scheduled to be in operation. Reception conditions and local interference are a determining factor in deciding what stations you can hear at any particular time.

HOW TO TUNE

It is essential to tune very slowly and carefully over the short wave bands. A slight movement of the tuning knob is sufficient to pass through a weak short wave station. In many cases you will find short wave stations spaced less than a hair line apart on the dial, but by careful tuning, you can, with your Atwater Kent, tune each station separately.

Do not neglect weak stations, as these may frequently be brought in with good volume by more careful tuning.

On weak distant stations, there is a slight "hiss" on each side of the station. This is more evident if the tone control is turned to the normal or high-pitch position. Tune to the quiet point between the hissing sounds, as this point provides the best reception. This hissing sound is frequently of assistance in locating stations that are turned "on" but not operating at the moment.

Do not expect the dial markings to be 100 per cent. correct. This is true of any stations on the short wave scales. If you are a distance (DX) fan, you will find that it is a big help to mark down the actual dial positions for different frequencies. This will assist you in tuning and identifying stations of known frequency.

STATION POWER

The higher the power of a distant station, the more chance you have of receiving it clearly and consistently. It is therefore helpful in tuning for foreign stations to know their power rating. Such data is given, wherever possible, in the short wave station list that is arranged by frequency.

Power is listed in watts or kilowatts. One kilowatt equals 1000 watts.

When you consider that an ordinary household pressing iron consumes 500 watts or ½ kilowatt, and that most foreign stations are rated at less than 20 kilowatts, you will marvel that it is possible to span the world with such low power.

STATION IDENTIFICATIONS

One of the questions that will occur to you when you first tune a short wave set, is "How will I be able to identify these foreign stations?"

Fortunately, most foreign short wave stations announce in several languages, including English. Numerous stations have characteristic signatures, the more important of which are listed below:

DJA, DJB, etc.—Zeesen, Germany. Signs in English, Spanish and German. Plays characteristic eight-bar chime selection during intermission.

EAQ—Madrid, Spain. Signs in English.

FYA—Pontoise, France. Plays "Marseillaise" at start and close of program. "Hello, hello, ici Paris, Radio-Coloniale, 103 Rue de Grenelle."

GSA, GSB, etc.—Daventry, England. Announces "London calling." Plays "God Save the King," and gives Big Ben chimes on the hour.

HVJ—Vatican City. Announces "Pronto, pronto, Radio Vaticano."

I2RO—Rome, Italy. Lady announcer, "Radio Roma" or "Radio Roma Napoli."

OXY—Skamleback, Denmark. Broadcasts midnight chimes at 6 P. M. (E. S. T.)

PRADO—Riobamba, Ecuador. Announces "Estacion El Prado, Riobamba, Ecuador."

RW59—Moscow, U. S. S. R. Broadcasts midnight chimes from the Kremlin at 5 P. M. (E. S. T.)

VK2ME—Australia. Laughing notes of the Kookaburra bird open and close program.

ELECTRICAL INTERFERENCE

Electrical interference, originating from motors, street cars, automobile ignition systems, etc., is more pronounced on short waves than on the standard broadcast waves. Automobile ignition noise is generally strongest at about 12 megacycles and higher.

Naturally, if your short wave receiver is powerful enough to receive weak foreign stations, it will also pick up any electrical interference that is present in the neighborhood.

If you live in a good radio location (comparatively free from electrical interference) you will enjoy good reception from foreign stations.

If you live in a poor radio location, close to street cars, electric signs, etc., your neighborhood interference may be severe enough to interfere with reception of all or most foreign stations, even though regular broadcast reception may be satisfactory.

In the latter case, you have two possible remedies:

1. Rearrange your antenna and lead-in so they will be removed from the source of noise. (See page 4.)

2. Have your household electrical equipment checked over by a radio expert who can install suitable filters to minimize noise from these sources.

FREQUENCY AND WAVE LENGTH

Radio waves, like waves of light, travel at a *speed* of approximately 186,000 miles (300,000 kilometers) a second.

Radio stations operate at different frequencies which are expressed in either *kilocycles* or *megacycles* per second.

One *kilocycle* equals 1000 cycles.

One *megacycle* equals 1000 kilocycles.

These two terms are used to avoid large figures, just as you measure in inches, feet or miles. It is easier to say 6 megacycles than 6000 kilocycles, and they both mean the same thing, because one megacycle equals 1000 kilocycles.

Wave length in meters is a term that is commonly used instead of frequency.

Converting Frequency to Wave Length

300,000 divided by frequency in *kilocycles* equals wave length in meters, or

300 divided by the frequency in *megacycles* equals the wave length in meters.

Converting Wave Length to Frequency

300,000 divided by wave length in meters equals frequency in *kilocycles*, or

300 divided by wave length in meters equals frequency in *megacycles*.

In listing short wave stations in this directory, we give, for your convenience, both the frequency in megacycles and the wave length in meters. Also note that in these lists, megacycles may be converted to kilocycles by simply changing the decimal point to a comma. For example, 17.770 megacycles represents 17,770 kilocycles.

Doublet Antenna for Short Wave Reception

Successful short wave reception and freedom from electrical interference depends, to a large extent, on the receiving antenna. For this reason Atwater Kent has developed a special "doublet" antenna which insures the best possible reception and the greatest freedom from electrical interference. This special Atwater Kent Doublet Antenna (Type "D," No. 28076) is available at all Atwater Kent dealers. The installation is very simple, and complete instructions are furnished with each kit.

WHAT IS A DOUBLET ANTENNA?

A plain or conventional antenna has only one lead-in wire, as shown in the left-hand sketch. The Atwater Kent Doublet Antenna has two lead-in wires, and the antenna is split in the center with an insulator, one lead-in being connected to each half of the antenna, as shown in the center sketch. In effect, the doublet antenna has two separate antenna wires and two separate lead-in wires, and it is from this double arrangement that the name "doublet" is derived. The two lead-in wires are termed a "transmission line."

HOW DOUBLET FUNCTIONS

Electrical interference is more evident on short waves than on standard broadcast. A considerable proportion of such interference is picked up by the lead-in. On standard broadcast, this pickup can be eliminated by using a shielded lead-in. But on short waves a shielded pickup causes a tremendous loss of signal strength owing to the by-passing effect of the shield, and therefore a shielded lead-in cannot be used.

In the Atwater Kent Doublet Antenna the lead-ins are not shielded, but the interference picked up by one of the two lead-ins is balanced out by "bucking" it against the identical interference in the other lead-in, and in this way interference picked up by the lead-ins is eliminated.

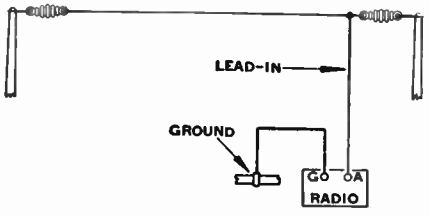
The signals picked up by the two halves of the doublet are not balanced out, but reinforce each other.

No method has yet been found to eliminate interference that may be picked up by the antenna section of the doublet. For this reason it is necessary to erect the doublet antenna in a location as free as possible from electrical interference.

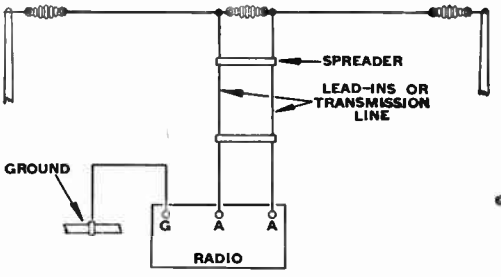
The doublet antenna may be connected directly to any receiver that is provided with terminals for doublet antenna connection. Receivers which do not have such terminals require the use of a special doublet antenna transformer (Atwater Kent Model "DT," No. 28083).

DIRECTION IS IMPORTANT

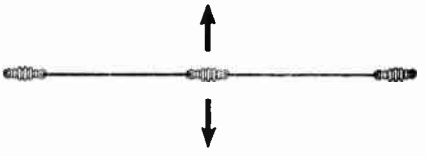
The direction of the doublet antenna is important, best reception being at right angles to the length of the doublet, as indicated by the arrows in the right-hand sketch. In the United States, European stations will be received best with the doublet running in a northwest and southeast direction. The angle is not critical, but it is important to know that reception is poor in a line directly along the length of the doublet.



Plain antenna has only one lead-in wire on which considerable interference is picked up.



Atwater Kent Doublet Antenna has two lead-in wires, arranged to counteract each other and eliminate interference in lead-in wires.



Reception is best at right angles to length of doublet, as shown by arrows.

Foreign Language Alphabets

The following table (from U. S. Department of Commerce publications) gives alphabetical names of letters in the more common languages of broadcasting. An English column is included to facilitate interpretation of the pronunciation values as given.

	English	French	Spanish	German	Portuguese
a	ay	ah	ah	ah	ah
b	be	bay	bay	bay	bay
c	se	say	say-thay	say	say
d	de	day	day	day	day
e	ee	ay	ay	ay	ay
f	ef	ef	effay	ef	effay
g	je	zhay	hay	gay	hay
h	aitch	asch	ah-hay	hah	ah-hay
i	ah-ee	ee	ee	ee	ee
j	jay	zheep	ho-tah	zhay	ho-tah
k	kay	kah	kah	kah	kah
l	el	el	ellay	el	ellay
m	em	em	emmay	em	emmay
n	en	en	ennay	en	ennay
o	o	o	o	o	o
p	pe	pay	pay	pay	pay
q	kew	coo	coo	coo	coo
r	are	air	erray	err	erray
s	ess	ess	essay	ess	essay
t	te	tay	tay	tay	tay
u	eu	eu	oo	oo	oo
v	ve	vay	vay	fow	vay
w	doubleyou	doublevay	dooblvay	doubleway	dooblvay
x	ecks	ecks	ekis	ecks	ekis
y	wye	egrek	egreyeyah	egrek	egreyeyah

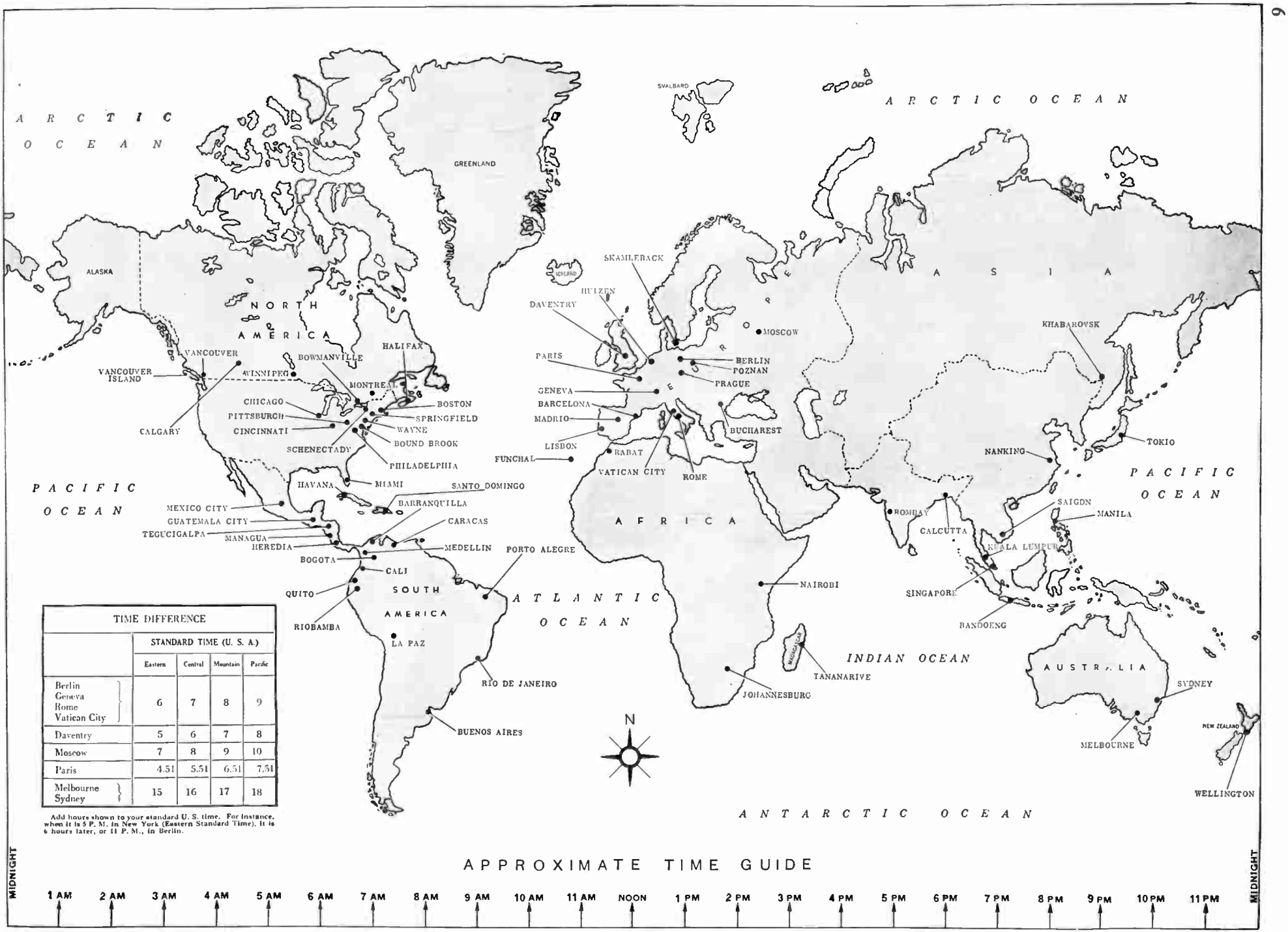
	English	French	Spanish	German	Portuguese
z	ze	zed	zed	tset	zed
1	wun	unh	uno	ine	um
2	too	dur	doce	zwi	dois
3	three	trwa	trace	dri	tres
4	fore	katth	kuahtro	feur	quattro
5	five	sank	sinko	finf	sinko
6	six	seece	sase	sex	sase
7	seven	satt	sate	seeben	sate
8	ate	hweet	ocho	oct	oito
9	nine	nerf	nu-avy	noin	nove
10	ten	deece	de-uz	zane	deuz
11	eleven	onze	onse	elf	onze
12	twelve	doze	do-ce	twelf	doze
13	thirteen	traze	trece	trizane	tres
14	fourteen	katorz	catorce	feurzane	katorz
15	fifteen	kanz	quince	finfzane	quinze
16	sixteen	saze	dieciseis	sexzane	dezeseis
17	seventeen	decce-satt	diecisecite	seebenzane	dezeseite
18	ateen	deece-hweet	dieciocho	octzane	dezoito
19	nineteen	deece-nerf	diecinuahvy	noinzane	dezanove
20	twenty	vant	vane-tah	tswansig	vinte
30	thirty	trahnt	tranetah	drysig	trinta
40	forty	karant	quarantah	feurzig	quarantah
50	fifty	sankant	sinquenta	finfsig	sincuenta

PRINCIPAL SHORT-WAVE BROADCAST STATIONS OF THE WORLD

ARRANGED BY MEGACYCLES (DIAL POSITIONS)

Mega-cycles*	Meters	Call Letters	Location
3.543	84.6	CR7AA	Lourenco Marques, Mozam. (150 W)
3.750	80.0	CT1CT	Lisbon, Portugal (500 W)
3.770	79.5	HB9B	Basle, Switzerland
4.110	73.0	HCJB	Quito, Ecuador (150 W)
4.270	70.4	RW15	Khabarovsk, U. S. S. R. (15 KW)
4.320	69.4	G6RX	Rugby, England
4.320	69.4	YNLF	Managua, Nicaragua
5.660	52.9	XQAJ	Shanghai, China
5.690	52.7	FIQA	Tananarive, Madagascar (500 W)
5.780	51.8	OAX4D	Lima, Peru
5.850	51.2	YV5RMO	Maracaibo, Venezuela
5.930	50.5	HJ4ABE	Medellin, Colombia, S. A.
5.970	50.3	HVJ	Vatican City (15 KW)
5.980	50.1	CT1AA	Lisbon, Portugal
5.980	50.1	TGX	El Liberal, Guatemala
6.000	50.0	RW59	Moscow, U. S. S. R. (20 KW)
6.000	50.0	HIX	Santo Domingo, D. R.
6.005	50.0	VE9DN	Montreal, Quebec, Can. (2 KW)
6.010	49.8	COC	Havana, Cuba
6.020	49.8	DJC	Zeesen, Germany (5 KW)
6.020	49.8	ZHI	Singapore, Malaya
6.030	49.8	HP5B	Panama City, Panama
6.030	49.8	VE9CA	Calgary, Canada
6.040	49.7	PRA8	Pernambuco, Brazil
6.040	49.7	W1XAL	Boston, Mass., U. S. A. (5 KW)
6.060	49.5	W3XAU	Philadelphia, Pa., U. S. A. (1 KW)
6.060	49.5	VQ7LO	Nairobi, East Africa (1.25 KW)
6.060	49.5	W8XAL	Cincinnati, O., U. S. A. (10 KW)
6.060	49.5	OXY	Skamleback, Denmark (0.5 KW)
6.070	49.4	CQN	Macao, China
6.070	49.4	DJM	Zeesen, Germany
6.070	49.4	VE9CS	Vancouver, Canada (7 W)
6.072	49.4	OER2	Vienna, Austria (0.2 KW)
6.080	49.3	I2RO	Rome, Italy
6.080	49.3	W9XAA	Chicago, Ill., U. S. A. (½ KW)
6.080	49.3	CP5	LaPaz, Bolivia, S. A.
6.095	49.2	VE9GW	Bowmanville, Ontario, Canada
6.100	49.2	W9XF	Chicago, Il., U. S. A. (5 KW)
6.100	49.2	W3XAL	Bound Brook, N. J., U. S. A. (35 KW)
6.110	49.1	GSL	Daventry, England
6.110	49.1	VUC	Calcutta, India (500 W)
6.110	49.1	YV2RC	Caracas, Venezuela, S. A.
6.110	49.1	VE9HX	Halifax, N. S. (200 W)
6.120	49.0	W2XE	Wayne, N. J., U. S. A. (1 KW)
6.122	49.0	ZTJ	Johannesburg, S. Africa (15 KW)
6.130	48.9	ZGE	Kuala Lumpur, Malay States
6.140	48.8	W8XK	Pittsburgh, Pa., U. S. A. (40 KW)
6.150	48.7	CO9GC	Santiago, Cuba
6.150	48.7	CSL	Lisbon, Portugal
6.150	48.7	HJ2ABA	Tunja, Columbia
6.150	48.7	VE9CL	Winnipeg, Manitoba
6.150	48.7	YV3RC	Caracas, Venezuela, S. A.
6.160	48.7	CJRO	Winnipeg, Manitoba
6.190	48.4	HI1A	Santo Domingo, D. R.
6.270	47.8	HJ3ABF	Bogota, Colombia, S. A.
6.320	47.5	HIZ	San Domingo, D. R. (10 W)
6.450	46.5	HJ1ABB	Barranquila, Colombia, S. A.
6.610	45.4	RW72	Moscow, U. S. S. R. (10 KW)
6.620	45.3	PRADO	Riobamba, Ecuador (10 KW)
6.660	45.0	HC2RL	Guayaquil, Ecuador
6.750	44.5	JVT	Nazaki, Japan
6.990	42.8	LKJ1	Jeloy, Norway
7.080	42.3	PI1J	Dordrecht, Holland
7.120	42.1	HB9B	Basle, Switzerland
7.140	42.0	HJ4ABB	Manizales, Colombia, S. A.
7.380	40.6	XECR	D. F. Mexico
7.400	40.5	HJ3ABD	Bogota, Colombia, S. A.
7.700	38.9	HC2JSB	Guayaquil, Ecuador (20 KW)
7.790	38.5	HBP	Geneva, Switzerland
9.125	32.8	HAT4	Budapest, Hungary
9.415	31.8	PLV	Bandoeng, Java (80 KW)
9.430	31.7	COH	Havana, Cuba
9.500	31.6	PRF5	Rio de Janeiro, Brazil
9.510	31.6	VK3ME	Melbourne, Australia (2.5 KW)
9.510	31.6	GSB	Daventry, England (20 KW)
9.530	31.5	W2XAF	Schenectady, N. Y., U. S. A. (40 KW)
9.540	31.4	DJN	Zeesen, Germany
9.560	31.4	DJA	Zeesen, Germany (5 KW)
9.560	31.4	VUB	Bombay, India
9.570	31.4	LKJ1	Jeloy, Norway (500 W)
9.570	31.4	W1XAZ	Springfield, Mass., U. S. A. (10 KW)
9.580	31.3	VK3LR	Victoria, Australia (20 KW)
9.585	31.3	GSC	Daventry, England (20 KW)
9.590	31.3	W3XAU	Philadelphia, Pa., U. S. A. (1 KW)
9.590	31.3	VK2ME	Sydney, Australia (12 KW)
9.590	31.3	CT1AA	Lisbon, Portugal
9.595	31.3	HBL	Geneva, Switzerland (20 KW)
9.650	31.0	I2RO	Rome, Italy
9.790	30.6	GCW	Rugby, England
9.820	30.5	IRM	Rome, Italy
10.000	30.0	EAQ	Madrid, Spain (10 KW)
10.330	29.1	ORK	Ruysselede, Belgium (11 KW)
10.350	29.0	LSX	Buenos Aires, Argentina, S. A. (12 KW)
10.580	28.3	FYB	Pontoise, France
10.740	27.9	JVM	Nazaki, Japan
11.720	25.6	FYA	Pontoise, France (12 KW)
11.720	25.6	CJRX	Winnipeg, Manitoba, Canada
11.730	25.6	PHI	Huizen, Holland (20 KW)
11.750	25.5	GSD	Daventry, England (20 KW)
11.770	25.5	DJD	Zeesen, Germany (5 KW)
11.810	25.4	I2RO	Rome, Italy (9 KW)
11.830	25.4	W2XE	Wayne, N. J., U. S. A. (1 KW)
11.860	25.3	GSE	Daventry, England (20 KW)
11.870	25.3	W8XK	Pittsburgh, Pa., U. S. A. (40 KW)
11.905	25.2	FYA	Pontoise, France (12 KW)
12.000	25.0	RW59	Moscow, U. S. S. R. (20 KW)
12.080	24.8	CT1CT	Lisbon, Portugal (½ KW)
12.830	23.4	CNR	Rabat, Morocco, Africa (12 KW)
13.200	22.7	ORP	Ruysselede, Belgium
13.610	22.0	JYK	Nazaki, Japan
15.120	19.8	HVJ	Vatican City (10 KW)
15.140	19.8	GSF	Daventry, England (15 KW)
15.200	19.7	DJB	Zeesen, Germany (5 KW)
15.210	19.7	W8XK	Pittsburgh, Pa., U. S. A. (40 KW)
15.220	19.7	PCJ	Huizen, Holland
15.240	19.7	FYA	Pontoise, France (12 KW)
15.270	19.7	W2XE	Wayne, N. J., U. S. A. (1 KW)
15.280	19.7	DJQ	Zeesen, Germany
15.330	19.6	W2XAD	Schenectady, N. Y., U. S. A. (25 KW)
15.340	19.6	DJR	Zeesen, Germany
15.370	19.5	HAS3	Budapest, Hungary
15.440	19.5	PRADO	Riobamba, Ecuador
17.760	16.9	DJE	Zeesen, Germany (5 KW)
17.775	16.9	PHI	Huizen, Holland (20 KW)
17.780	16.9	W3XAL	Bound Brook, N. J., U. S. A. (35 KW)
17.790	16.9	GSG	Daventry, England (15 KW)

* To convert frequency in megacycles to kilocycles, change the decimal point to a comma. For example, 6.060 megacycles equal 6,060 kilocycles.



TIME DIFFERENCE				
	STANDARD TIME (U. S. A.)			
	Eastern	Central	Mountain	Pacific
Berlin, Geneva, Rome, Vatican City	6	7	8	9
Daventry	5	6	7	8
Moscow	7	8	9	10
Paris	4.51	5.51	6.51	7.51
Melbourne, Sydney	15	16	17	18

Add hours shown to your standard U. S. time. For instance, when it is 5 P. M. in New York (Eastern Standard Time), it is 6 hours later, or 11 P. M., in Berlin.

APPROXIMATE TIME GUIDE

MIDNIGHT 1 AM 2 AM 3 AM 4 AM 5 AM 6 AM 7 AM 8 AM 9 AM 10 AM 11 AM NOON 1 PM 2 PM 3 PM 4 PM 5 PM 6 PM 7 PM 8 PM 9 PM 10 PM 11 PM MIDNIGHT

PRINCIPAL SHORT-WAVE BROADCAST STATIONS OF THE WORLD

ARRANGED ALPHABETICALLY BY CALL LETTERS

Call Letters	Mega-cycles*	Meters	Location
CJRO	6.160	48.7	Winnipeg, Manitoba
CJRX	11.720	25.6	
CNR	12.830	23.4	Rabat, Morocco, Africa
COC	6.010	40.8	Havana, Cuba
COH	9.430	31.7	
CO9GC	6.150	48.7	Santiago, Cuba
CP5	6.080	49.3	La Paz, Bolivia, S. A.
CQN	6.070	49.4	Macao, China
CR7AA	3.543	84.6	Lourenco Marques, Mozambique
CSL	6.150	48.7	Lisbon, Portugal
CT1AA	9.590	31.3	
CT1AA	5.980	50.1	
CT1CT	3.750	80.0	
CT1CT	12.080	24.8	
DJA	9.560	31.4	Zeesen (Berlin), Germany
DJB	15.200	19.7	
DJC	6.020	49.8	
DJD	11.770	25.5	
DJE	17.760	16.9	
DJM	6.070	49.4	
DJN	9.540	31.4	
DJQ	15.280	19.7	
DJR	15.340	19.6	
EAQ	10.000	30.0	Madrid, Spain
FIQA	5.690	52.7	Tananarive, Madagascar
FYA	11.720	25.6	Pontoise (Paris), France
FYA	11.905	25.2	
FYA	15.240	19.7	
FYB	10.580	28.3	
GCW	9.790	30.6	Rugby, England
GSB	9.510	31.6	Daventry (London), England
GSC	9.585	31.3	
GSD	11.750	25.5	
GSE	11.860	25.3	
GSF	15.140	19.8	
GSG	17.790	16.9	
GSL	6.110	49.1	
G6RX	4.320	69.4	Rugby, England
HAS3	15.370	19.5	Budapest, Hungary
HAT4	9.125	32.8	
HB9B	7.120	42.1	Basle, Switzerland
HB9B	3.770	79.5	
HBL	9.595	31.3	Geneva, Switzerland
HBP	7.790	38.5	
HCJB	4.110	73.0	Quito, Ecuador, S. A.
HC2JSB	7.700	38.9	Guayaquil, Ecuador, S. A.
HC2RL	6.660	45.0	Guayaquil, Ecuador, S. A.
HI1A	6.190	48.4	Santo Domingo, D. R.
HIX	6.000	50.0	
HIZ	6.320	47.5	
HJ1ABB	6.450	46.5	Barranquilla, Colombia, S. A.
HJ2ABA	6.150	48.7	Tunja, Colombia, S. A.
HJ3ABD	7.400	40.5	Bogota, Colombia, S. A.
HJ3ABF	6.270	47.8	Bogota, Colombia, S. A.
HJ4ABB	7.140	42.0	Manizales, Colombia, S. A.
HJ4ABE	5.930	50.5	Medellin, Colombia, S. A.
HP5B	6.030	49.8	Panama City, Panama
HVJ	5.970	50.3	Vatican City
HVJ	15.120	19.8	
IRM	9.820	30.5	Rome, Italy
I2RO	11.810	25.4	
I2RO	6.080	49.3	
I2RO	9.650	31.0	
JVM	10.740	27.9	Nazaki, Japan
JYK	13.610	22.0	
JVT	6.750	44.5	Nazaki, Japan
LKJ1	6.990	42.8	Jeloy, Norway
LKJ1	9.570	31.4	
LSX	10.350	29.0	Buenos Aires, Argentina
OAX4D	5.780	51.8	Lima, Peru
OER2	6.072	49.4	Vienna, Austria
ORK	10.330	29.1	Ruysselede, Belgium
ORP	13.200	22.7	
OXY	6.060	49.5	Skamleback, Denmark
PCJ	15.220	19.7	Huizen, Holland
PHI	11.730	25.6	
PHI	17.775	16.9	
PI1J	7.080	42.3	Dordrecht, Holland
PLV	9.415	31.8	Bandoeng, Java
PRADO	6.620	45.3	Riobamba, Ecuador, S. A.
PRADO	15.440	19.5	
PRA8	6.040	49.7	Pernambuco, Brazil
PRF5	9.500	31.6	Rio de Janeiro, Brazil
RW15	4.270	70.4	Khabarovsk, U. S. S. R. "Russia"
RW59	12.000	25.0	Moscow, U. S. S. R. "Russia"
RW59	6.000	50.0	Moscow, U. S. S. R. "Russia"
RW72	6.610	45.4	Moscow, U. S. S. R. "Russia"
TGX	5.980	50.1	El Liberal, Guatemala
VE9CA	6.030	49.8	Calgary, Canada
VE9CL	6.150	48.7	Winnipeg, Manitoba, Canada
VE9CS	6.070	49.4	Vancouver, Canada
VE9DN	6.005	50.0	Montreal, Quebec, Canada
VE9GW	6.095	49.2	Bowmanville, Ontario, Canada
VE9HX	6.110	49.1	Halifax, N. S., Canada
VK2ME	9.590	31.3	Sydney, Australia
VK3LR	9.580	31.3	Victoria, Australia
VK3ME	9.510	31.6	Melbourne, Australia
VQ7LO	6.060	49.5	Nairobi, East Africa
VUB	9.560	31.4	Bombay, India
VUC	6.110	49.1	Calcutta, India
W1XAL	6.040	49.7	Boston, Mass., U. S. A.
W1XAZ	9.570	31.4	Springfield, Mass., U. S. A.
W2XAD	15.330	19.6	Schenectady, N. Y., U. S. A.
W2XAF	9.530	31.5	
W2XE	6.120	49.0	Wayne, N. J., U. S. A.
W2XE	11.830	25.4	
W2XE	15.270	19.7	
W3XAL	6.100	49.2	Bound Brook, N. J., U. S. A.
W3XAL	17.780	16.9	
W3XAU	6.060	49.5	Philadelphia, Pa., U. S. A.
W3XAU	9.590	31.3	
W8XAL	6.060	49.5	Cincinnati, O., U. S. A.
W8XK	6.140	48.8	Pittsburgh, Pa., U. S. A.
W8XK	11.870	25.3	
W8XK	15.210	19.7	
W9XAA	6.080	49.3	Chicago, Ill., U. S. A.
W9XF	6.100	49.2	
XECR	7.380	40.6	D. F. Mexico
XQAJ	5.660	52.9	Shanghai, China
YNLF	4.320	69.4	Managua, Nicaragua
YV2RC	6.110	49.1	Caracas, Venezuela, S. A.
YV3RC	6.150	48.7	Caracas, Venezuela, S. A.
YV5RMO	5.850	51.2	Maracaibo, Venezuela, S. A.
ZGE	6.130	48.9	Kuala Lumpur, Malay States
ZH1	6.020	49.8	Singapore, Malaya
ZTJ	6.122	49.0	Johannesburg, S. Africa

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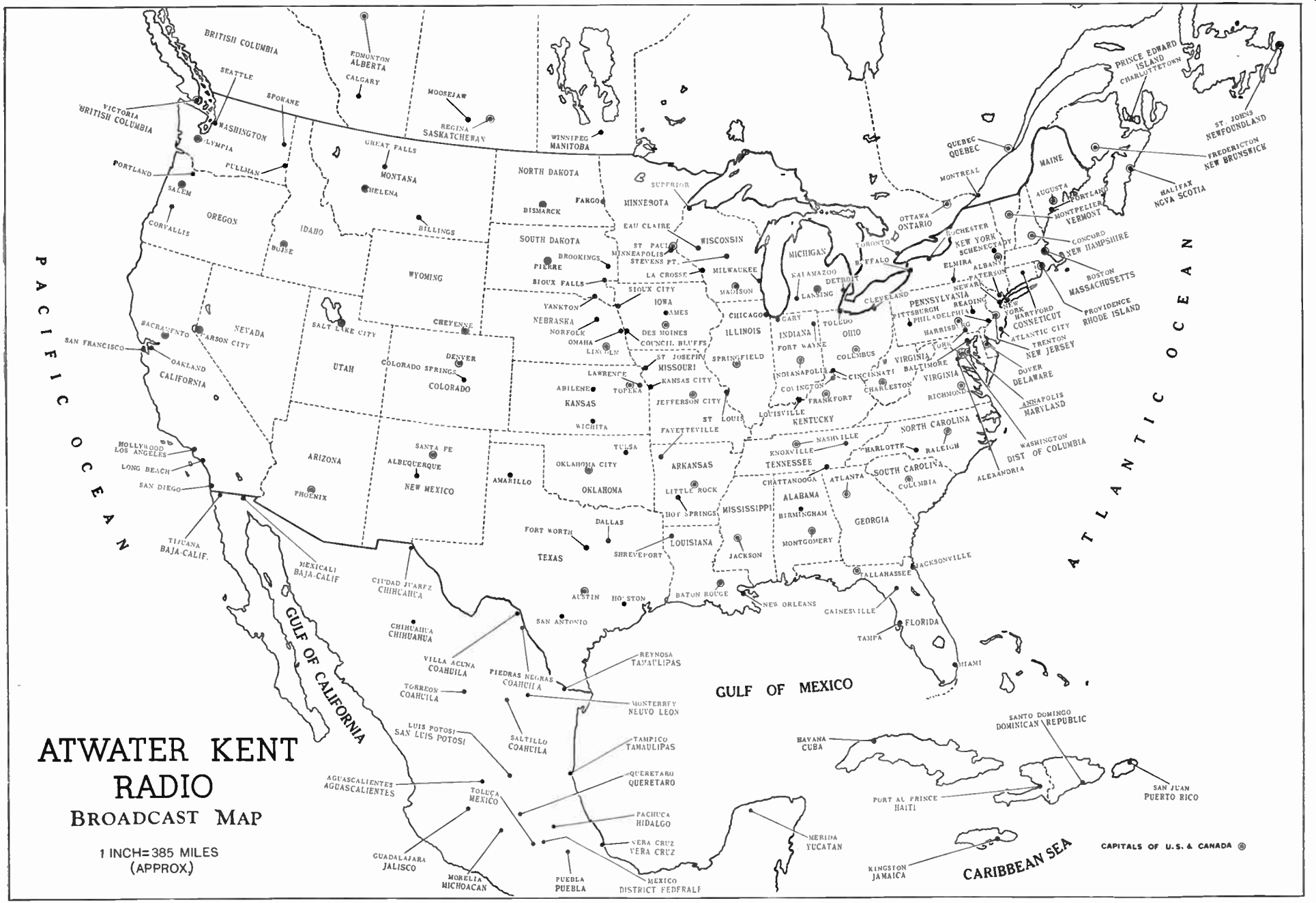


ARRANGED ALPHABETICALLY BY CITIES, WITH CALL LETTERS, KILOCYCLES AND POWER

Abilene, Kan.
KFBI 1050 5kw

Albuquerque, N. M.
KOB 1180 10kw

Alexandria, Va.
WJSV 1460 10kw

Amarillo, Tex.
KGRS 1410 1kw
WDAG 1410 1kw

Ames, Iowa
WOI 640 5kw

Asheville, N. C.
WWNC 570 1kw

Atlanta, Ga.
WSB 740 50kw

Atlantic City, N. J.
WPG 1100 5kw

Baltimore, Md.
WBAL 1060 10kw
(Also at 760 KC)

Belleplaine (Moose-jaw), Sask.
CJRM 540 1kw

Billings, Mont.
KGHL 950 1kw

Birmingham, Ala.
WAPI 1140 5kw
WBRC 930 1kw

Bismarck, N. D.
KFYR 550 1kw

Boise, Idaho
KIDO 1350 1kw

Boston, Mass.
WBZ 990 50kw
WBZA 990 1kw
WEEI 590 1kw
WHDH 830 1kw
WNAC 1230 1kw

Brookings, S. D.
KFDY 780 1kw

Buffalo, N. Y.
WBEN 900 1kw
WGR 550 1kw
WKBW 1480 5kw

Butte, Mont.
KGIR 1360 1kw

Charlesbourg, Que.
CRCK 1050 1kw

Charlotte, N. C.
WBT 1080 50kw

Chattanooga, Tenn.
WDOD 1280 1kw

Chicago, Ill.
WBBM 770 25kw
WCFL 970 1½kw
WENR 870 50kw
WGN 720 50kw
WJJD 1130 20kw
WLS 870 50kw
WMAQ 670 5kw
WMBI 1080 5kw

Cincinnati, Ohio
WLW 700 500kw
WSAI 1330 1kw

Clay Center, Nebr.
KMMJ 740 1kw

Cleveland, Ohio
WHK 1390 1kw
WTAM 1070 50kw

Coffeyville, Kan.
KGGF 1010 1kw

Colorado Springs, Colo.
KVOR 1270 1kw

Corvallis, Ore.
KOAC 550 1kw

Council Bluffs, Ia.
KOIL 1260 1kw

Covington, Ky.
WCKY 1490 5kw

Dallas, Tex.
KRLD 1040 10kw
WFAA 800 50kw

Denver, Colo.
KLZ 560 1kw
KOA 830 50kw

Des Moines, Ia.
WOC 1000 50kw

Detroit, Mich.
WJR 750 10kw
WWJ 920 1kw
WXYZ 1240 1kw

Eau Claire, Wis.
WTAQ 1330 1kw

Elmira, N. Y.
WESG 1040 1kw
(Also at 1090 KC)

Erie, Pa.
WLBW 1260 1kw

Fargo, N. D.
WDAY 940 1kw

Fayetteville, Ark.
KUOA 1260 1kw

Fort Wayne, Ind.
WOWO 1160 10kw

Fort Worth, Tex.
KTAT 1240 1kw
WBAP 800 50kw

Gainesville, Fla.
WRUF 830 5kw

Gary, Ind.
WIND 560 1kw

Great Falls, Mont.
KFBB 1280 1kw

Hartford, Conn.
WDRC 1330 1kw
WTIC 1060 50kw
(Also at 1040 KC)

Hollywood, Cal.
KFWB 950 1kw

Honolulu, Hawaii
KGU 750 2½kw

Hot Springs National Park, Ark.
KTHS 1040 10kw
(Also at 1060 KC)

Houston, Tex.
KPRC 920 1kw
KTRH 1330 1kw

Huntington, W. Va.
WSAZ 1190 1kw

Indianapolis, Ind.
WFBM 1230 1kw

Jackson, Miss.
WJDX 1270 1kw

Jacksonville, Fla.
WJAX 900 1kw

Kalamazoo, Mich.
WKZO 590 1kw

Kansas City, Mo.
KMBC 950 1kw
WDAF 610 1kw
WOQ 1300 1kw

Knoxville, Tenn.
WNOX 1010 1kw

La Crosse, Wis.
WKBH 1380 1kw

La Prairie (Montreal), Que.
CRCM 910 5kw

Lansing, Mich.
WKAR 1040 1kw

Lawrence, Kan.
KFKU 1220 1kw
WREN 1220 1kw

Lincoln, Nebr.
KFAB 770 5kw

Little Rock, Ark.
KLRA 1390 1kw

Long Beach, Cal.
KFOX 1250 1kw
KGER 1360 1kw

Los Angeles, Cal.
KECA 1430 1kw
KFAC 1300 1kw
KFI 640 50kw
KHJ 900 1kw
KMTR 570 1kw
KNX 1050 50kw

Louisville, Ky.
WAVE 940 1kw
WHAS 820 50kw

Lulu Island (Vancouver Island), B. C.
CRCV 1100 1kw

Madison, Wis.
WHA 940 1kw

Miami Beach, Fla.
WMBF 1300 1kw

Miami, Fla.
WIOD 1300 1kw
WQAM 560 1kw

Milwaukee, Wis.
WTMJ 620 1kw

Minneapolis, Minn.
WCCO 810 50kw
WDGY 1180 1kw
WLB 1250 1kw
WRHM 1250 1kw

Montreal, Que.
CKAC 730 5kw

Nashville, Tenn.
WLAC 1470 5kw
WSM 650 50kw

Newark, N. J.
WAAM 1250 1kw
WGCP 1250 1kw
WNEW 1250 1kw
WOR 710 5kw

New Orleans, La.
WDSU 1250 1kw
WWL 850 10kw

New York, N. Y.
WABC 860 50kw
WBBR 1300 1kw
WEAF 660 50kw
WEVD 1300 1kw
WFAB 1300 1kw
WHN 1010 1kw
WINS 1180 1kw
WJZ 760 50kw
WLWL 1100 5kw
WOV 1130 1kw

Norfolk, Nebr.
WJAG 1060 1kw

Northfield, Minn.
WCAL 1250 1kw

Oakland, Cal.
KLX 880 1kw
KROW 930 1kw

Oklahoma, Okla.
KOMA 1480 5kw
WKY 900 1kw

Omaha, Nebr.
WOW 590 1kw

Ottawa, Ont.
CRCO 880 1kw

Philadelphia, Pa.
KYW 1020 10kw
WCAU 1170 50kw

Pittsburgh, Pa.
KDKA 980 50kw
WCAE 1220 1kw
WJAS 1290 1kw

Portland, Me.
WCSH 940 1kw

Portland, Ore.
KEX 1180 5kw
KGW 620 1kw
KOIN 940 1kw

Pullman, Wash.
KWSC 1220 1kw

Raleigh, N. C.
WPTF 680 1kw

Reading, Pa.
WEEU 830 1kw

Richmond, Va.
WRVA 1110 5kw

Rochester, N. Y.
WHAM 1150 50kw

Salt Lake City, Utah
KDYL 1290 1kw
KSL 1130 50kw

San Antonio, Tex.
KTSA 1290 1kw
WOAI 1190 50kw

San Diego, Cal.
KFSD 600 1kw
KGB 1330 1kw

San Francisco, Cal.
KFRC 610 1kw
KGO 790 7½kw
KPO 680 50kw
KTAB 560 1kw
KYA 1230 1kw

San Juan, Puerto Rico
WKAQ 1240 1kw

Saskatoon, Sask.
CRQC 840 1kw

Schenectady, N. Y.
WGY 790 50kw

Seattle, Wash.
KJR 970 5kw
KOL 1270 1kw
KOMO 920 1kw
KTW 1220 1kw

Shenandoah, Iowa
KMA 930 1kw

Shreveport, La.
KTBS 1450 1kw
KWKH 850 10kw
(Also at 1100 KC)

Sioux City, Iowa
KSCJ 1330 1kw

Sioux Falls, S. D.
KSOO 1110 2½kw

Spokane, Wash.
KFPY 1340 1kw
KGA 1470 5kw
KHQ 590 1kw

Springfield, Mo.
KWTO 560 1kw

Stevens Point, Wis.
WLBL 900 2½kw

St. Joseph, Mo.
KFEQ 680 2½kw

St. Louis, Mo.
KMOX 1090 50kw
KWK 1350 1kw
WEW 760 1kw

St. Paul, Minn.
KSTP 1460 10kw

Strathmore (Calgary), Alta.
CFCN 1030 10kw

Superior, Wis.
WEBC 1290 1kw

Sydney, N. S.
CJCB 1240 1kw

Syracuse, N. Y.
WFBL 1360 1kw

Tacoma, Wash.
KVI 570 1kw

Tallmadge, Ohio
WADC 1320 1kw

Tampa, Fla.
WDAE 1220 1kw

Toledo, Ohio
WSPD 1340 1kw

Topeka, Kan.
WIBW 580 1kw

Toronto, Ont.
CRCT 840 5kw

Tulsa, Okla.
KVOO 1140 25kw

Twp. of Kingston, (Toronto), Ont.
CFRB 690 10kw

Wheeling, W. Va.
WWVA 1160 5kw

Wichita, Kan.
KFH 1300 1kw

Windsor, Ont.
CKLW 1030 5kw

Winnipeg, Man.
CKY 960 15kw

Yankton, S. D.
WNAX 570 1kw

York, Pa.
WORK 1000 1kw

Zion, Ill.
WCBD 1080 5kw

* Only stations of one kilowatt (KW) or higher power (night rating) are included in the list on this page.

ARRANGED ALPHABETICALLY BY CALL LETTERS

Call Letters	Frequency Kilocycles	Location	* Power
CFAC	930	Calgary, Alta.	100
CFCF	600	Montreal, Que.	500
CFCH	930	North Bay, Ont.	100
CFCN	1030	Strathmore, Alta.	10kw
CFCO	600	Chatham, Ont.	100
CFCT	1450	Victoria, B. C.	50
CFCY	630	Charlottetown, P. E. I.	500
CFJC	880	Kamloops, B. C.	100
CFLC	930	Prescott, Ont.	100
CFNB	550	Fredericton, N. B.	500
CFPL	730	London, Ont.	100
CFQC	840	Saskatoon, Sask.	1kw
CFRB	690	Twp. of King, Ont.	10kw
CFRC	1510	Kingston, Ont.	100
CFTP	1260	Edmonton, Alta.	100
CHAB	1200	Moose Jaw, Sask.	100
CHCK	1310	Charlottetown, P. E. I.	50
CHGS	1500	Summerside, P. E. I.	50
CHLP	1120	Montreal, Que.	100
CHML	1010	Hamilton, Ont.	50
CHNC	1210	New Carlisle, Que.	100
CHNS	930	Halifax, N. S.	500
CHRC	580	Quebec, Que.	100
CHSJ	1120	St. John, N. B.	100
CHWC	1010	Regina, Sask.	500
CHWK	780	Chilliwack, B. C.	100
CJAT	910	Trail, B. C.	250
CJCA	730	Edmonton, Alta.	500
CJCB	1240	Sydney, N. S.	1kw
CJCJ	690	Calgary, Alta.	100
CJGX	630	Yorkton, Sask.	500
CJIC	890	Sault Ste. Marie, Ont.	100
CJKL	1310	Kirkland Lk., Ont.	100
CJLS	1310	Yarmouth, N. S.	100
CJOC	1230	Lethbridge, Ont.	100
CJOR	600	Vancouver, B. C.	500
CJRC	1390	Winnipeg, Man.	100
CJRM	540	Belleplaine, Sask.	1kw
CKAC	730	Montreal, Que.	5kw
CKBI	1210	Prince Albert, Sask.	100
CKCD	1010	Vancouver, B. C.	100
CKCH	1210	Hull, Que.	100
CKCK	1010	Regina, Sask.	500
CKCL	580	Toronto, Ont.	100
CKCO	1010	Ottawa, Ont.	100
CKCR	1510	Waterloo, Ont.	100
CKCV	1310	Quebec, Que.	50
CKCW	1370	Moncton, N. B.	100
CKFC	1410	Vancouver, B. C.	50
CKGB	1420	Timmins, Ont.	100
CKIC	1010	Wolfville, N. S.	50
CKLW	1030	Windsor, Ont.	5kw
CKMC	1210	Cobalt, Ont.	50
CKMO	1410	Vancouver, B. C.	100
CKNC	1420	Toronto, Ont.	100
CKOC	1120	Hamilton, Ont.	500
CKOV	630	Kelowna, B. C.	100
CKPC	930	Brantford, Ont.	100
CKPR	930	Port Arthur, Ont.	50
CKTB	1200	Port Dalhousie, Ont.	100
CKUA	580	Edmonton, Alta.	500
CKWX	1010	Vancouver, B. C.	100
CKX	1450	Winnipeg, Man.	500
CKY	960	Winnipeg, Man.	15kw
CRCK	1050	Charlesbourg, Que.	1kw
CRCM	910	La Prairie, Que.	5kw
CRCO	880	Ottawa, Ont.	1kw
CRCS	950	Chicoutimi, Que.	100
CRCT	840	Toronto, Ont.	5kw
CRCV	1100	Lulu Island, B. C.	1kw
KBPS	1420	Portland, Ore.	100
KBTM	1200	Paragould, Ark.	100
KCMC	1420	Texarkana, Ark.	100
KCRC	1370	Enid, Okla.	100
KCRJ	1310	Jerome, Ariz.	100
KDB	1500	Santa Barbara, Cal.	100
KDFN	1440	Casper, Wyo.	500
KDKA	980	Pittsburgh, Pa.	50kw
KDLR	1210	Devils Lake, N. D.	100
KDYL	1290	Salt Lake City, U.	1kw
KECA	1430	Los Angeles, Cal.	1kw
KELW	780	Burbank, Cal.	500
KERN	1370	Bakersfield, Cal.	100
KEX	1180	Portland, Ore.	5kw
KFAB	770	Lincoln, Nebr.	5kw
KFAC	1300	Los Angeles, Cal.	1kw
KFBB	1280	Great Falls, Mont.	1kw
KFBI	1050	Abilene, Kan.	5kw
KFBK	1310	Sacramento, Cal.	100
KFDM	560	Beaumont, Tex.	500
KFDY	780	Brookings, S. D.	1kw
KFEL	920	Denver, Colo.	500
KFEQ	680	St. Joseph, Mo.	2½kw
KFGQ	1370	Boone, Iowa	100
KFH	1300	Wichita, Kan.	1kw
KFI	640	Los Angeles, Cal.	50kw
KFIO	1120	Spokane, Wash.	100
KFIZ	1420	Fond du Lac, Wis.	100
KFJB	1200	Marshalltown, Iowa	100
KFJI	1210	Klamath Falls, Ore.	100
KFJM	1370	Grand Forks, N. D.	100
KFJR	1300	Portland, Ore.	500
KFJZ	1370	Fort Worth, Tex.	100
KFKA	880	Greeley, Colo.	500
KFKU	1220	Lawrence, Kan.	1kw
KFNF	890	Shenandoah, Iowa	500
KFOR	1210	Lincoln, Nebr.	100
KFOX	1250	Long Beach, Cal.	1kw
KFPL	1310	Dublin, Tex.	100
KFPM	1310	Greenville, Tex.	15
KFPW	1210	Fort Smith, Ark.	100
KFPY	1340	Spokane, Wash.	1kw
KFQD	780	Anchorage, Alaska	250
KFRC	610	San Francisco, Cal.	1kw
KFRU	630	Columbia, Mo.	500
KFSD	600	San Diego, Cal.	1kw
KFSG	1120	Los Angeles, Cal.	500
KFUO	550	Clayton, Mo.	500
KFVD	1000	Los Angeles, Cal.	250
KFVS	1210	Cape Girardeau, Mo.	100
KFWB	950	Hollywood, Cal.	1kw
KFXD	1200	Nampa, Idaho	100
KFXJ	1200	Grand Junction, Colo.	100
KFXM	1210	San Bernardino, Cal.	100
KFXR	1310	Oklahoma, Okla.	100
KFYO	1310	Lubbock, Tex.	100
KFYR	550	Bismarck, N. D.	1kw
KGA	1470	Spokane, Wash.	5kw
KGAR	1370	Tucson, Ariz.	100
KGB	1330	San Diego, Cal.	1kw
KGBU	900	Ketchikan, Alaska	500
KGBX	1310	Springfield, Mo.	100
KGBZ	930	York, Nebr.	500
KGCA	1270	Decorah, Iowa	100
KGCU	1240	Mandan, N. D.	250
KGCX	1310	Wolf Point, Mont.	100
KGDE	1200	Fergus Falls, Minn.	100
KGDM	1100	Stockton, Cal.	250
KGDY	1340	Huron, S. D.	250
KGEK	1200	Yuma, Colo.	100
KGER	1360	Long Beach, Cal.	1kw
KGEZ	1310	Kalispell, Mont.	100
KGFF	1420	Shawnee, Okla.	100
KGFG	1370	Oklahoma, Okla.	100
KGFI	1500	Corpus Christi, Tex.	100
KGFJ	1200	Los Angeles, Cal.	100
KGFK	1500	Moorhead, Minn.	100
KGFL	1370	Roswell, N. M.	100
KGFW	1310	Kearney, Nebr.	100
KGFX	630	Pierre, S. D.	200
KGGC	1420	San Francisco, Cal.	100
KGGF	1010	Coffeyville, Kan.	1kw
KGGM	1230	Albuquerque, N. M.	250
KGHF	1320	Pueblo, Colo.	250
KGHI	1200	Little Rock, Ark.	100
KGHL	950	Billings, Mont.	1kw
KGIR	1360	Butte, Mont.	1kw
KGIW	1420	Alamosa, Colo.	100
KGIX	1420	Las Vegas, Nev.	100
KGKB	1500	Tyler, Tex.	100
KGKL	1370	San Angelo, Tex.	100
KGKO	570	Wichita Falls, Tex.	250
KGKY	1500	Scottsbluff, Nebr.	100
KGMB	1320	Honolulu, Hawaii	250
KGNF	1430	North Platte, Nebr.	500
KGNO	1340	Dodge City, Kan.	250
KGO	790	San Francisco, Cal.	7½kw
KGRS	1410	Amarillo, Tex.	1kw
KGU	750	Honolulu, Hawaii	2½kw
KGVO	1200	Missoula, Mont.	100
KGW	620	Portland, Ore.	1kw
KGY	1210	Olympia, Wash.	100
KHJ	900	Los Angeles, Cal.	1kw
KHQ	590	Spokane, Wash.	1kw
KICA	1370	Clovis, N. M.	100
KICK	1420	Carter Lake, Iowa	100
KID	1320	Idaho Falls, Idaho	250
KIDO	1350	Boise, Idaho	1kw
KIDW	1420	Lamar, Colo.	100
KIEM	1210	Eureka, Cal.	100
KIEV	850	Glendale, Cal.	100
KIT	1310	Yakima, Wash.	100
KJBS	1070	San Francisco, Cal.	100
KJR	970	Seattle, Wash.	5kw
KLCN	1290	Blytheville, Ark.	100
KLO	1400	Ogden, Utah	500
KLPM	1240	Minot, N. D.	250
KLRA	1390	Little Rock, Ark.	1kw
KLS	1440	Oakland, Cal.	250
KLUF	1370	Galveston, Tex.	100
KLX	880	Oakland, Cal.	1kw
KLZ	560	Denver, Colo.	1kw
KMA	930	Shenandoah, Iowa	1kw
KMAC	1370	San Antonio, Tex.	100
KMBC	950	Kansas City, Mo.	1kw
KMED	1310	Medford, Ore.	100
KMJ	580	Fresno, Cal.	500
KMLB	1200	Monroe, La.	100
KMMJ	740	Clay Center, Nebr.	1kw
KMO	1330	Tacoma, Wash.	250
KMOX	1090	St. Louis, Mo.	50kw
KMPC	710	Beverly Hills, Cal.	500
KMTR	570	Los Angeles, Cal.	1kw
KNOW	1500	Austin, Tex.	100
KNX	1050	Los Angeles, Cal.	50kw
KOA	830	Denver, Colo.	50kw
KOAC	550	Corvallis, Ore.	1kw
KOB	1180	Albuquerque, N. M.	10kw
KOH	1380	Reno, Nev.	500
KOIL	1260	Council Bluffs, Ia.	1kw
KOIN	940	Portland, Ore.	1kw
KOL	1270	Seattle, Wash.	1kw
KOMA	1480	Oklahoma City, Okla.	5kw
KOMO	920	Seattle, Wash.	1kw
KONO	1370	San Antonio, Tex.	100
KOOS	1200	Marshfield, Ore.	100
KORE	1420	Eugene, Ore.	100
KOTN	1500	Pine Bluff, Ark.	100
KOY	1390	Phoenix, Ariz.	500
KPAC	1260	Brownsville, Tex.	500
KPCB†	650	Seattle, Wash.	100
KPJM	1500	Prescott, Ariz.	100
KPO	680	San Francisco, Cal.	50kw
KPOF	880	Denver, Colo.	500
KPPC	1210	Pasadena, Cal.	50
KPQ	1500	Wenatchee, Wash.	100
KPRC	920	Houston, Tex.	1kw
KQV	1380	Pittsburgh, Pa.	500
KQW	1010	San Jose, Cal.	500
KRE	1370	Berkeley, Cal.	100
KREG	1500	Santa Ana, Cal.	100
KRGV	1260	Weslaco, Tex.	500
KRKD	1120	Los Angeles, Cal.	500
KRKO	1370	Everett, Wash.	50
KRLD	1040	Dallas, Tex.	10kw
KRMD	1310	Shreveport, La.	100
KROW	930	Oakland, Cal.	1kw
KRSC	1120	Seattle, Wash.	100
KSAC	580	Manhattan, Kan.	500
KSCJ	1330	Sioux City, Iowa	1kw
KSD	550	St. Louis, Mo.	500
KSEI	890	Pocatello, Idaho	250
KSL	1130	Salt Lake City, U.	50kw
KSLM	1370	Salem, Ore.	100
KSO	1320	Des Moines, Iowa	250
KSOO	1110	Sioux Falls, S. D.	2½kw
KSTP	1460	St. Paul, Minn.	10kw
KSUN	1200	Lowell, Ariz.	100
KTAB	560	San Francisco, Cal.	1kw
KTAR	620	Phoenix, Ariz.	500
KTAT	1240	Fort Worth, Tex.	1kw
KTBS	1450	Shreveport, La.	1kw
KTFI	1240	West Twin Falls, Ida.	500
KTHS‡	1040	Hot Springs, Ark.	10kw
KTM	780	Los Angeles, Cal.	500
KTRB	740	Modesto, Cal.	250
KTRH	1330	Houston, Tex.	1kw
KTSA	1290	San Antonio, Tex.	1kw
KTSM	1310	El Paso, Tex.	100
KTUL	1400	Tulsa, Okla.	250
KTW	1220	Seattle, Wash.	1kw
KUJ	1370	Walla Walla, Wash.	100
KUMA	1420	Yuma, Ariz.	100
KUOA	1260	Fayetteville, Ark.	1kw
KUSD	890	Vermilion, S. D.	500
KVI	570	Tacoma, Wash.	1kw
KVL	1370	Seattle, Wash.	100
KVOA	1260	Tucson, Ariz.	500
KVOD	920	Denver, Colo.	500
KVOO	1140	Tulsa, Okla.	25kw
KVOR	1270	Colorado Springs, Col.	1kw
KVOS	1200	Bellingham, Wash.	100
KWCR¶	1420	Cedar Rapids, Iowa	250
KWEA	1210	Shreveport, La.	100
KWFV	1210	Hilo, Hawaii	100
KWG	1200	Stockton, Cal.	100
KWJJ‖	1060	Portland, Ore.	500
KWK	1350	St. Louis, Mo.	1kw
KWKC	1370	Kansas City, Mo.	100
KWKH§	850	Shreveport, La.	10kw
KWLC	1270	Decorah, Iowa	100
KWSC	1220	Pullman, Wash.	1kw
KWTN	1210	Watertown, S. D.	100
KWTO	560	Springfield, Mo.	1kw
KWYO	1370	Sheridan, Wyo.	100
KXA	760	Seattle, Wash.	250
KXL	1420	Portland, Ore.	100
KXO	1500	El Centro, Cal.	100
KXRO	1310	Aberdeen, Wash.	100
KXYZ	1440	Houston, Tex.	250
KYA	1230	San Francisco, Cal.	1kw
KYW	1020	Philadelphia, Pa.	10kw
WAAB	1410	Boston, Mass.	500
WAAF	920	Chicago, Ill.	500
WAAT	940	Jersey City, N. J.	500
WAAW	660	Omaha, Nebr.	500
WABC	860	New York, N. Y.	50kw
WABI	1200	Bangor, Me.	100
WACO	1420	Waco, Tex.	100
WADC	1320	Tallmadge, Ohio	1kw
WAGF	1370	Dothan, Ala.	100
WAGM	1420	Presque Isle, Me.	100

* Power is in watts, except where specified as kw (kilowatts). Power given is for night operation, except for stations that operate only in day time.

† KPCB, authorized (experimental) to operate at 710 KC.

‡ KTHS, authorized (experimental) to operate on 1060 KC.

¶ KWCR, construction permit for 1430 KC.

‖ KWJJ, authorized (experimental) to operate on 1040 KC.

§ KWKH, authorized (experimental) to operate on 1100 KC.

ARRANGED ALPHABETICALLY BY CALL LETTERS

Call Letters	Frequency Kilocycles	Location	* Power
WAIU	640	Columbus, Ohio	500
WALA	1380	Mobile, Ala.	500
WALR	1210	Zanesville, Ohio	100
WAMC	1420	Anniston, Ala.	100
WAML	1310	Laurel, Miss.	100
WAPI	1140	Birmingham, Ala.	5kw
WARD	1400	Brooklyn, N. Y.	500
WASH	1270	Grand Rapids, Mich.	500
WATR	1190	Waterbury, Conn.	100
WAVE	940	Louisville, Ky.	1kw
WAWZ	1350	Zarephath, N. J.	250
WAZL	1420	Hazleton, Pa.	100
WBAA	890	Lafayette, Ind.	500
WBAL†	1060	Baltimore, Md.	10kw
WBAP	800	Fort Worth, Tex.	50kw
WBAX	1210	Wilkes-Barre, Pa.	100
WBBC	1400	Brooklyn, N. Y.	500
WBBL	1210	Richmond, Va.	100
WBBM	770	Chicago, Ill.	25kw
WBBR	1300	Brooklyn, N. Y.	1kw
WBBZ	1200	Ponca City, Okla.	100
WBCM	1410	Bay City, Mich.	500
WBEN	900	Buffalo, N. Y.	1kw
WBEO	1310	Marquette, Mich.	100
WBHS	1200	Huntsville, Ala.	100
WBIG	1440	Greensboro, N. C.	500
WBNO	1200	New Orleans, La.	100
WBNS	1430	Columbus, Ohio	500
WBNX	1350	New York, N. Y.	250
WBOQ		(See WABC)	
WBOW	1310	Terre Haute, Ind.	100
WBRC	930	Birmingham, Ala.	1kw
WBRE	1310	Wilkes-Barre, Pa.	100
WBSO	920	Needham, Mass.	500
WBT	1080	Charlotte, N. C.	50kw
WBTM	1370	Danville, Va.	100
WBZ	990	Boston, Mass.	50kw
WBZA	990	Boston, Mass.	1kw
WCAC	600	Storrs, Conn.	500
WCAD	1220	Canton, N. Y.	500
WCAE	1220	Pittsburgh, Pa.	1kw
WCAL	1250	Northfield, Minn.	1kw
WCAM	1280	Camden, N. J.	500
WCAO	600	Baltimore, Md.	500
WCAP	1280	Asbury Park, N. J.	500
WCAT	1200	Rapid City, S. D.	100
WCAU	1170	Philadelphia, Pa.	50kw
WCAX	1200	Burlington, Vt.	100
WCAZ	1070	Carthage, Ill.	100
WCBA	1440	Allentown, Pa.	250
WCBD	1080	Zion, Ill.	5kw
WCBM	1370	Baltimore, Md.	100
WCBS	1210	Springfield, Ill.	100
WCCO	810	Minneapolis, Minn.	50kw
WCFL	970	Chicago, Ill.	1½kw
WCHS	580	Charleston, W. Va.	500
WCKY	1490	Covington, Ky.	5kw
WCLO	1200	Janesville, Wis.	100
WCLS	1310	Joliet, Ill.	100
WCNW	1500	Brooklyn, N. Y.	100
WCOA	1340	Pensacola, Fla.	500
WCOC	880	Meridian, Miss.	500
WCRW	1210	Chicago, Ill.	100
WCSC	1360	Charleston, S. C.	500
WCSH	940	Portland, Me.	1kw
WDAE	1220	Tampa, Fla.	1kw
WDAF	610	Kansas City, Mo.	1kw
WDAG	1410	Amarillo, Tex.	1kw
WDAH	1310	El Paso, Tex.	100
WDAS	1370	Philadelphia, Pa.	100
WDAY	940	Fargo, N. D.	1kw
WDBJ	930	Roanoke, Va.	500
WDBO	580	Orlando, Fla.	250
WDEL	1120	Wilmington, Del.	250
WDEV	550	Waterbury, Vt.	500
WDGY	1180	Minneapolis, Minn.	1kw
WDNC	1500	Durham, N. C.	100
WDOD	1280	Chattanooga, Tenn.	1kw
WDRC	1330	Hartford, Conn.	1kw
WDSU	1250	New Orleans, La.	1kw
WDZ	1070	Tuscola, Ill.	100
WEAF	660	New York, N. Y.	50kw
WEAN	780	Providence, R. I.	250
WEBC	1290	Superior, Wis.	1kw
WEBQ	1210	Harrisburg, Ill.	100
WEBR	1310	Buffalo, N. Y.	100
WEDC	1210	Chicago, Ill.	100
WEED	1420	Rocky Mount, N. C.	100
WEEI	590	Boston, Mass.	1kw
WEEU	830	Reading, Pa.	1kw
WEHC	1350	Charlottesville, Va.	500
WEHS	1420	Cicero, Ill.	100
WELL	1420	Battle Creek, Mich.	50
WENR	870	Chicago, Ill.	50kw
WESG‡	1040	Elmira, N. Y.	1kw
WEVD	1300	New York, N. Y.	1kw
WEW	760	St. Louis, Mo.	1kw
WEXL	1310	Royal Oak, Mich.	50
WFAA	800	Dallas, Tex.	50kw
WFAB	1300	New York, N. Y.	1kw
WFAM	1200	South Bend, Ind.	100
WFAS	1210	White Plains, N. Y.	100
WFBC	1200	Greenville, S. C.	100
WFBE	1200	Cincinnati, Ohio	100
WFBG	1310	Altoona, Pa.	100
WFBL	1360	Syracuse, N. Y.	1kw
WFBM	1230	Indianapolis, Ind.	1kw
WFBR	1270	Baltimore, Md.	500
WFDF	1310	Flint, Mich.	100
WFEA¶	1340	Manchester, N. H.	500
WFI	560	Philadelphia, Pa.	500
WFLA	620	Clearwater, Fla.	250
WGAL	1500	Lancaster, Pa.	100
WGAR	1450	Cleveland, Ohio	500
WGBB	1210	Freeport, N. Y.	100
WGBF	630	Evansville, Ind.	500
WGBI	880	Scranton, Pa.	250
WGCM	1210	Gulfport, Miss.	100
WGCP	1250	Newark, N. J.	1kw
WGES	1360	Chicago, Ill.	500
WGH	1310	Newport News, Va.	100
WGL	1370	Fort Wayne, Ind.	100
WGLC	1370	Hudson Falls, N. Y.	100
WGN	720	Chicago, Ill.	50kw
WGNY	1210	Chester Twp., N. Y.	100
WGPC	1420	Albany, Ga.	100
WGR	550	Buffalo, N. Y.	1kw
WGST	890	Atlanta, Ga.	500
WGY	790	Schenectady, N. Y.	50kw
WHA	940	Madison, Wis.	1kw
WHAM	1150	Rochester, N. Y.	50kw
WHAS	820	Louisville, Ky.	50kw
WHAT	1310	Philadelphia, Pa.	100
WHAZ	1300	Troy, N. Y.	500
WHB	860	Kansas City, Mo.	500
WHBC	1200	Canton, Ohio	100
WHBD	1370	Mt. Orab, Ohio	100
WHBF	1210	Rock Island, Ill.	100
WHBL	1410	Sheboygan, Wis.	500
WHBQ	1370	Memphis, Tenn.	100
WHBU	1210	Anderson, Ind.	100
WHBY	1200	Green Bay, Wis.	100
WHDF	1370	Calumet, Mich.	100
WHDH	830	Boston, Mass.	1kw
WHDL	1420	Tupper Lake, N. Y.	100
WHEB	740	Portsmouth, N. H.	250
WHEC	1430	Rochester, N. Y.	500
WHEF	1500	Kosciusko, Miss.	100
WHFC	1420	Cicero, Ill.	100
WHIS	1410	Bluefield, W. Va.	250
WHJB	620	Greensburg, Pa.	250
WHK	1390	Cleveland, Ohio	1kw
WHN	1010	New York, N. Y.	1kw
WHO		(See WOC)	
WHOM	1450	Jersey City, N. J.	250
WHP	1430	Harrisburg, Pa.	500
WIBA	1280	Madison, Wis.	500
WIBG	970	Glenside, Pa.	100
WIBM	1370	Jackson, Mich.	100
WIBU	1210	Poynette, Wis.	100
WIBW	580	Topeka, Kan.	1kw
WIBX	1200	Utica, N. Y.	100
WICC	600	Bridgeport, Conn.	500
WIL	1200	St. Louis, Mo.	100
WILL	890	Urbana, Ill.	250
WILM	1420	Wilmington, Del.	100
WIND	560	Gary, Ind.	1kw
WINS	1180	New York, N. Y.	1kw
WIOD	1300	Miami, Fla.	1kw
WIP	610	Philadelphia, Pa.	500
WIS	1010	Columbia, S. C.	500
WISN	1120	Milwaukee, Wis.	250
WJAC	1310	Johnstown, Pa.	100
WJAG	1060	Norfolk, Nebr.	1kw
WJAR	890	Providence, R. I.	250
WJAS	1290	Pittsburgh, Pa.	1kw
WJAX	900	Jacksonville, Fla.	1kw
WJAY	610	Cleveland, Ohio	500
WJBC	1200	La Salle, Ill.	100
WJBI	1210	Red Bank, N. J.	100
WJBK	1500	Detroit, Mich.	100
WJBL	1200	Decatur, Ill.	100
WJBO	1420	Baton Rouge, La.	100
WJBW	1200	New Orleans, La.	100
WJBY	1210	Gadsden, Ala.	100
WJDX	1270	Jackson, Miss.	1kw
WJEJ	1210	Hagerstown, Md.	100
WJEM	990	Tupelo, Miss.	500
WJIM	1210	Lansing, Mich.	100
WJJD	1130	Chicago, Ill.	20kw
WJMS	1420	Ironwood, Mich.	100
WJR	750	Detroit, Mich.	10kw
WJSV	1460	Alexandria, Va.	10kw
WJTL	1370	Atlanta, Ga.	100
WJW	1210	Akron, Ohio	100
WJZ	760	New York, N. Y.	50kw
WKAQ	1240	San Juan, Puerto Rico	1kw
WKAR	1040	East Lansing, Mich.	1kw
WKBB	1500	East Dubuque, Ill.	100
WKBF	1400	Indianapolis, Ind.	500
WKBH	1380	La Crosse, Wis.	1kw
WKBI	1420	Cicero, Ill.	100
WKBN	570	Youngstown, Ohio	500
WKBO	1200	Harrisburg, Pa.	100
WKBV	1500	Richmond, Ind.	100
WKBW	1480	Buffalo, N. Y.	5kw
WKBZ	1500	Ludington, Mich.	100
WKEU	1500	LaGrange, Ga.	100
WKFI	1210	Greenville, Miss.	100
WKJC	1200	Lancaster, Pa.	100
WKOK	1210	Sunbury, Pa.	100
WKRC	550	Cincinnati, Ohio	500
WKY	900	Oklahoma, Okla.	1kw
WKZO	590	Kalamazoo, Mich.	1kw
WLAC	1470	Nashville, Tenn.	5kw
WLAP	1420	Lexington, Ky.	100
WLB	1250	Minneapolis, Minn.	1kw
WLBC	1310	Muncie, Ind.	50
WLBF	1420	Kansas City, Kan.	100
WLBL	900	Stevens Point, Wis.	2½kw
WLBW	1260	Erie, Pa.	1kw
WLBZ	620	Bangor, Me.	500
WLEU	1420	Erie, Pa.	100
WLEY	1370	Lexington, Mass.	100
WLIT	560	Philadelphia, Pa.	500
WLNH	1310	Laconia, N. H.	100
WLS	870	Chicago, Ill.	50kw
WLTH	1400	Brooklyn, N. Y.	500
WLVA	1200	Lynchburg, Va.	100
WLW	700	Cincinnati, Ohio	500kw
WLWL	1100	New York, N. Y.	5kw
WMAL	630	Washington, D. C.	250
WMAQ	670	Chicago, Ill.	5kw
WMAS	1420	Springfield, Mass.	100
WMAZ	1180	Macon, Ga.	500
WMBC	1420	Detroit, Mich.	100
WMBD	1440	Peoria, Ill.	500
WMBF	1300	Miami Beach, Fla.	1kw
WMBG	1210	Richmond, Va.	100
WMBH	1420	Joplin, Mo.	100
WMBI	1080	Chicago, Ill.	5kw
WMBO	1310	Auburn, N. Y.	100
WMBQ	1500	Brooklyn, N. Y.	100
WMBR	1370	Jacksonville, Fla.	100
WMC	780	Memphis, Tenn.	500
WMCA	570	New York, N. Y.	500
WMEX	1500	Chelsea, Mass.	100
WMMN	890	Fairmont, W. Va.	250
WMPC	1200	Lampier, Mich.	100
WMT	600	Waterloo, Iowa	500
WNAC	1230	Boston, Mass.	1kw
WNAD	1010	Norman, Okla.	500
WNAX	570	Yankton, S. D.	1kw
WNBF	1500	Binghamton, N. Y.	100
WNBH	1310	New Bedford, Mass.	100
WNBO	1200	Silverhaven, Pa.	100
WNBR	1430	Memphis, Tenn.	500
WNBX	1260	Springfield, Vt.	500
WNBZ	1290	Saranac Lake, N. Y.	50
WNEL	1290	San Juan, Puerto Rico	500
WNEW	1250	Newark, N. J.	1kw
WNOX	1010	Knoxville, Tenn.	1kw
WNRA	1420	Muscle Shoals City, Ala.	100
WNYC	810	New York, N. Y.	500
WOAI	1190	San Antonio, Tex.	50kw
WOC	1000	DesMoines, Iowa	50kw
WOCL	1210	Jamestown, N. Y.	50
WOI	640	Ames, Iowa	5kw
WOKO	1430	Albany, N. Y.	500
WOL	1310	Washington, D. C.	100
WOMT	1210	Manitowoc, Wis.	100
WOOD	1270	Grand Rapids, Mich.	500
WOPI	1500	Bristol, Tenn.	100
WOR	710	Newark, N. J.	5kw
WORC	1200	Worcester, Mass.	100
WORK	1000	York, Pa.	1kw
WOS	630	Jefferson City, Mo.	500
WOSU	570	Columbus, Ohio	750
WOV	1130	New York, N. Y.	1kw
WOW	590	Omaha, Nebr.	1kw
WOWO	1160	Fort Wayne, Ind.	10kw
WPAD	1420	Paducah, Ky.	100
WPEN	920	Philadelphia, Pa.	250
WPFB	1370	Hattiesburg, Miss.	100
WPG	1100	Atlantic City, N. J.	5kw
WPHR	880	Petersburg, Va.	500
WPRO‖	630	Providence, R. I.	250
WPTF	680	Raleigh, N. C.	1kw
WQAM	560	Miami, Fla.	1kw
WQAN	880	Scranton, Pa.	250
WQBC	1360	Vicksburg, Miss.	500
WQDM	1370	St. Albans, Vt.	100
WQDX	1210	Thomasville, Ga.	100
WRAK	1370	Williamsport, Pa.	100
WRAW	1310	Reading, Pa.	100
WRAX	920	Philadelphia, Pa.	250
WRBL	1200	Columbus, Ga.	100
WRBX	1410	Roanoke, Va.	250
WRC	950	Washington, D. C.	500

* Power is in watts, except where specified as kw (kilowatts). Power given is for night operation, except for stations that operate only in day time.

† WBAL, authorized (experimental) to operate on 760 KC.

‡ WESG, authorized (experimental) to operate on 1090 KC.

¶ WFEA, authorized (experimental) to operate on 1430 KC.

‖ WPRO, authorized (experimental) to operate on 630 KC.

ARRANGED ALPHABETICALLY BY CALL LETTERS

Call Letters	Frequency Kilocycles	Location	* Power
WRDO	1370	Augusta, Me.	100
WRDW	1500	Augusta, Ga.	100
WREC	600	Memphis, Tenn.	500
WREN	1220	Lawrence, Kan.	1kw
WRGA	1500	Rome, Ga.	100
WRHM	1250	Minneapolis, Minn.	1kw
WRJN	1370	Racine, Wis.	100
WROK	1410	Rockford, Ill.	500
WROL	1310	Knoxville, Tenn.	100
WRR	1280	Dallas, Tex.	500
WRUF	830	Gainesville, Fla.	5kw
WRVA	1110	Richmond, Va.	5kw
WSAI	1330	Cincinnati, Ohio	1kw
WSAJ	1310	Grove City, Pa.	100
WSAN	1440	Allentown, Pa.	250
WSAR	1450	Fall River, Mass.	250
WSAZ	1190	Huntington, W. Va.	1kw
WSB	740	Atlanta, Ga.	50kw
WSBC	1210	Chicago, Ill.	100
WSBT	1230	South Bend, Ind.	500
WSEN	1210	Columbus, Ohio	100
WSFA	1410	Montgomery, Ala.	500
WSGN	1310	Birmingham, Ala.	100
WSIX	1210	Springfield, Tenn.	100
WSJS	1310	Winston-Salem, N. C.	100
WSM	650	Nashville, Tenn.	50kw
WSMB	1320	New Orleans, La.	500
WSMK	1380	Dayton, Ohio	200
WSOC	1210	Charlotte, N. C.	100
WSPA	1420	Spartanburg, S. C.	100
WSPD	1340	Toledo, Ohio	1kw
WSUI	880	Iowa City, Iowa	500
WSUN		(See WFLA)	
WSVA	550	Staunton, Va.	500
WSVS	1370	Buffalo, N. Y.	50
WSYB	1500	Rutland, Vt.	100
WSYR	570	Syracuse, N. Y.	250
WSYU		(See WSYR)	
WTAD	1440	Quincy, Ill.	500
WTAG	580	Worcester, Mass.	500
WTAM	1070	Cleveland, Ohio	50kw
WTAQ	1330	Eau Claire, Wis.	1kw
WTAR	780	Norfolk, Va.	500
WTAW	1120	College St'n, Tex.	500
WTAX	1210	Springfield, Ill.	100
WTBO	800	Cumberland, Md.	250
WTEL	1310	Philadelphia, Pa.	100
WTFI	1450	Athens, Ga.	500
WTIC†	1060	Hartford, Conn.	50kw
WTJS	1310	Jackson, Tenn.	100
WTMJ	620	Milwaukee, Wis.	1kw
WTNJ	1280	Trenton, N. J.	500
WTOC	1260	Savannah, Ga.	500
WTRC	1310	Elkhart, Ind.	50
WVFW	1400	Brooklyn, N. Y.	500
WWAE	1200	Hammond, Ind.	100
WWJ	920	Detroit, Mich.	1kw
WWL	850	New Orleans, La.	10kw
WWNC	570	Asheville, N. C.	1kw
WWRL	1500	Woodside, N. Y.	100
WWSW	1500	Pittsburgh, Pa.	100
WWVA	1160	Wheeling, W. Va.	5kw
WXYZ	1240	Detroit, Mich.	1kw
XEA	1060	Guadalajara, Jal.	125
XEAA	920	Mexicali, B. C.	200
XEAB	1210	Nuevo Laredo, Tamps.	7.5
XEAE	980	Tijuana, B. C.	250
XEAF	1080	Nogales, Son.	250
XEAI	1240	Mexico, D. F.	100
XEAL	660	Mexico, D. F.	1kw
XEAM	730	Nuevo Laredo, Tamps.	7.5
XEAO	560	Mexicali, B. C.	250
XEAW	950	Reynosa, Tamps.	10kw
XEAZ	1420	Leon, Gto.	7
XEB	1030	Mexico, D. F.	10kw
XEBC	760	Aguacaliente, B. C.	5kw
XECW	1310	Mexico, D. F.	10
XED	1160	Guadalajara, Jal.	500
XEE	1210	Durango, Dgo.	50
XEFB	1420	Monterrey, N. L.	100
XEFC	1310	Merida, Yuc.	100
XEFE	1370	Nuevo Laredo, Tamps.	100
XEFG	1100	Mexico, D. F.	250
XEFI	720	Chihuahua, Chih.	250
XEFJ	1210	Monterrey, N. L.	100
XEFO	940	Mexico, D. F.	5kw
XEFV	1210	Ciudad Juarez, Chih.	100
XEFW	1310	Tampico, Tamps.	250
XEFZ	1370	Mexico, D. F.	100
XEH	1150	Monterrey, N. L.	250
XEI	1370	Morelia, Mich.	125
XEJ	1020	Ciudad Juarez, Chih.	250
XEK	990	Mexico, D. F.	100
XEKL	920	Leon, Gto.	500
XEL	1370	Saltillo, Coah.	50
XEMA	1080	Tampico, Tamps.	50
XEMC	750	Merida, Yuc.	250
XEMO	860	Tijuana, B. C.	2.5kw
XEMZ	1210	Tijuana, B. C.	30
XEN	710	Mexico, D. F.	1kw
XENT	1120	Nuevo Laredo, Tamps.	150kw
XEOX	640	Saltillo, Coah.	250
XEP	820	Mixcoac, D. F.	500
XEPN	590	Piedras Negras, Coah.	100kw
XES	970	Tampico, Tamps.	250
XET	690	Monterrey, N. L.	500
XETB	1310	Torreon, Coah.	125
XETH	1210	Puebla, Pue.	100
XETW	920	Mexico, D. F.	500
XETZ	850	Mexico, D. F.	500
XEU	980	Vera Cruz, Ver.	250
XEW	890	Mexico, D. F.	50kw
XEWZ	1150	Mexico, D. F.	100
XEX	1310	Monterrey, N. L.	125
XEY	1150	Merida, Yuc.	10
XEYZ	780	Mexico, D. F.	10kw
XEZ	630	Merida, Yuc.	500
XEZZ	1370	San Luis Potosi, S. L. P.	100
XFA	1310	Aguascalientes, Ags.	5
XFB	1270	Jalapa, Ver.	250
XFC	810	Aguascalientes, Ags.	350
XFO	940	Mexico, D. F.	5kw
XFX	610	Mexico, D. F.	500

* Power is in watts, except where specified as kw (kilowatts). Power given is for night operation, except for stations that operate only in day time.

† WTIC, authorized (experimental) to operate at 1040 KC.

BROADCAST STATIONS—UNITED STATES, CANADIAN AND MEXICAN

ARRANGED BY KILOCYCLES (APPROXIMATE DIAL POSITIONS)

540 KC

CJRM	Belleplaine, Sask.

550 KC

CFNB	Fredericton, N. B.
KFUO	Clayton, Mo.
KFYR	Bismarck, N. D.
KOAC	Corvallis, Ore.
KSD	St. Louis, Mo.
WDEV	Waterbury, Vt.
WGR	Buffalo, N. Y.
WKRC	Cincinnati, O.
WSVA	Staunton, Va.

560 KC

KFDM	Beaumont, Tex.
KLZ	Denver, Colo.
KTAB	San Francisco, Cal.
KWTO	Springfield, Mo.
WFI	Philadelphia, Pa.
WIND	Gary, Ind.
WLIT	Philadelphia, Pa.
WQAM	Miami, Fla.
XEAO	Mexicali, B. C.

570 KC

KGKO	Wichita Falls, Tex.
KMTR	Los Angeles, Cal.
KVI	Tacoma, Wash.
WKBN	Youngstown, O.
WMCA	New York, N. Y.
WNAX	Yankton, S. D.
WOSU	Columbus, O.
WSYR	Syracuse, N. Y.
WWNC	Asheville, N. C.

580 KC

CHRC	Quebec, Que.
CKCL	Toronto, Ont.
CKUA	Edmonton, Alta.
KMJ	Fresno, Cal.
KSAC	Manhattan, Kan.
WCHS	Charleston, W. Va.
WDBO	Orlando, Fla.
WIBW	Topeka, Kan.
WTAG	Worcester, Mass.

590 KC

KHQ	Spokane, Wash.
WEEI	Boston, Mass.
WKZO	Kalamazoo, Mich.
WOW	Omaha, Nebr.
XEPN	Piedras Negras, Ch.

600 KC

CFCF	Montreal, Que.
CFCO	Chatham, Ont.
CJOR	Vancouver, B. C.
KFSD	San Diego, Cal.
WCAC	Storrs, Conn.
WCAO	Baltimore, Md.
WICC	Bridgeport, Conn.
WMT	Waterloo, Ia.
WREC	Memphis, Tenn.
XFX	Mexico, D. F.

610 KC

KFRC	San Francisco, Cal.
WDAF	Kansas City, Mo.
WIP	Philadelphia, Pa.
WJAY	Cleveland, O.

620 KC

KGW	Portland, Ore.
KTAR	Phoenix, Ariz.
WFLA	Clearwater, Fla.
WHJB	Greensburg, Pa.
WLBZ	Bangor, Me.
WTMJ	Milwaukee, Wis.

630 KC

CFCY	Charl'etown, P. E. I.
CJGX	Yorkton, Sask.
CKOV	Kelowna, B. C.
KFRU	Columbia, Mo.
KGFX	Pierre, S. D.
WGBF	Evansville, Ind.
WMAL	Washington, D. C.
WOS	Jefferson City, Mo.
WPRO	Providence, R. I.*
XEZ	Merida, Yuc.

640 KC

KFI	Los Angeles, Cal.
WAIU	Columbus, O.
WOI	Ames, Ia.
XEOX	Saltillo, Coah.

650 KC

KCPB	Seattle, Wash.
WSM	Nashville, Tenn.

660 KC

WAAW	Omaha, Nebr.
WEAF	New York, N. Y.
XEAL	Mexico, D. F.

670 KC

WMAQ	Chicago, Ill.

680 KC

KFEQ	St. Joseph, Mo.
KPO	San Francisco, Cal.
WPTF	Raleigh, N. C.

690 KC

CFRB	Twp. of King, Ont.
CJCJ	Calgary, Alta.
XET	Monterrey, N. L.

700 KC

WLW	Cincinnati, O.

710 KC

KMPC	Beverly Hills, Cal.
KPCB	Seattle, Wash.*
WOR	Newark, N. J.
XEN	Mexico, D. F.

720 KC

WGN	Chicago, Ill.
XEFI	Chihuahua, Chih.

730 KC

CFPL	London, Ont.
CJCA	Edmonton, Alta.
CKAC	Montreal, Que.
XEAM	Neuvo Laredo, Tamps.

740 KC

KMMJ	Clay Center, Nebr.
KTRB	Modesto, Cal.
WHEB	Portsmouth, N. H.
WSB	Atlanta, Ga.

750 KC

KGU	Honolulu, Hawaii
WJR	Detroit, Mich.
XEMC	Merida, Yuc.

760 KC

KXA	Seattle, Wash.
WBAL	Baltimore, Md.*
WEW	St. Louis, Mo.
WJZ	New York, N. Y.
XEBC	Agua Caliente, B. C.

770 KC

KFAB	Lincoln, Nebr.
WBBM	Chicago, Ill.

780 KC

CHWK	Chilliwack, B. C.
KELW	Burbank, Cal.
KFDY	Brookings, S. D.
KFQD	Anchorage, Alaska
KTM	Los Angeles, Cal.
WEAN	Providence, R. I.
WMC	Memphis, Tenn.
WTAR	Norfolk, Va.
XEYZ	Mexico, D. F.

790 KC

KGO	San Francisco, Cal.
WGY	Schenectady, N. Y.

* Experimental authorization.

ARRANGED BY KILOCYCLES (APPROXIMATE DIAL POSITIONS)

800 KC

WBAP	Fort Worth, Tex.
WFAA	Dallas, Tex.
WTBO	Cumberland, Md.

810 KC

WCCO	Minneapolis, Minn.
WNYC	New York, N. Y.
XFC	Aguascalientes, Ags.

820 KC

WHAS	Louisville, Ky.
XEP	Mixcoac, D. F.
XETW	Mexico, D. F.

830 KC

KOA	Denver, Colo.
WEEU	Reading, Pa.
WHDH	Boston, Mass.
WRUF	Gainesville, Fla.

840 KC

CFQC	Saskatoon, Sask.
CRCT	Toronto, Ont.

850 KC

KIEV	Glendale, Cal.
KWKH	Shreveport, La.
WWL	New Orleans, La.
XETZ	Mexico, D. F.

860 KC

WABC	New York, N. Y.
WHB	Kansas City, Mo.
XEMO	Tijuana, B. C.

870 KC

WENR	Chicago, Ill.
WLS	Chicago, Ill.

880 KC

CFJC	Kamaloops, B. C.
CRCO	Ottawa, Ont.
KFKA	Greeley, Colo.
KLX	Oakland, Cal.
KPOF	Denver, Colo.
WCOC	Meridian, Miss.
WGBI	Scranton, Pa.
WPHR	Petersburg, Va.
WQAN	Scranton, Pa.
WSUI	Iowa City, Ia.

890 KC

CJIC	Sault Ste. Marie, Ont.
KARK	Little Rock, Ark.
KFNF	Shenandoah, Ia.
KSEI	Pocatello, Idaho
KUSD	Vermilion, S. D.
WBAA	Lafayette, Ind.
WGST	Atlanta, Ga.
WILL	Urbana, Ill.
WJAR	Providence, R. I.
WMMN	Fairmount, W. Va.
XEW	Mexico, D. F.

900 KC

KGBU	Ketchikan, Alaska
KHJ	Los Angeles, Cal.
WBEN	Buffalo, N. Y.
WJAX	Jacksonville, Fla.
WKY	Okla. City, Okla.
WLBL	Stevens Point, Wis.

910 KC

CJAT	Trail, B. C.
CRCM	LaPrairie, Que.

920 KC

KFEL	Denver, Colo.
KOMO	Seattle, Wash.
KPRC	Houston, Tex.
KVOD	Denver, Colo.
WAAF	Chicago, Ill.
WBSO	Needham, Mass.
WPEN	Philadelphia, Pa.
WRAX	Philadelphia, Pa.
WWJ	Detroit, Mich.
XEAA	Mexico, D. F.
XEKL	Leon, Gto.

930 KC

CFAC	Calgary, Alta.
CFCH	North Bay, Ont.
CFLC	Prescott, Ont.
CHNS	Halifax, N. S.
CHRC	Quebec, Que.
CKPC	Brantford, Ont.
KGBZ	York, Nebr.
KMA	Shenandoah, Ia.
KROW	Oakland, Cal.
WBRC	Birmingham, Ala.
WDBJ	Roanoke, Va.

940 KC

KOIN	Portland, Ore.
WAAT	Jersey City, N. J.
WAVE	Louisville, Ky.
WCSH	Portland, Me.
WDAY	Fargo, N. D.
WHA	Madison, Wis.
XEFO	Mexico, D. F.
XFO	Mexico, D. F.

950 KC

CRCS	Chicoutimi, Que.
KFWB	Hollywood, Cal.
KGHL	Billings, Mont.
KMBC	Kansas City, Mo.
WRC	Washington, D. C.

960 KC

CKY	Winnipeg, Man.

970 KC

KJR	Seattle, Wash.
WCFL	Chicago, Ill.
WIBG	Glenside, Pa.
XES	Tampico, Tamps.

980 KC

KDKA	Pittsburgh, Pa.

990 KC

WBZ	Boston, Mass.
WBZA	Boston, Mass.
WJEM	Tupelo, Miss.
XEAE	Tijuana, B. C.
XEK	Mexico, D. F.
XEU	Vera Cruz, Vera.

1000 KC

KFVD	Los Angeles, Cal.
WOC	Des Moines, Ia.
WORK	York, Pa.

1010 KC

CHML	Hamilton, Ont.
CHWC	Regina, Sask.
CKCD	Vancouver, B. C.
CKCK	Regina, Sask.
CKCO	Ottawa, Ont.
CKIC	Wolfville, N. S.
CKWX	Vancouver, B. C.
KGGF	Coffeyville, Kan.
KQW	San Jose, Cal.
WHN	New York, N. Y.
WIS	Columbia, S. C.
WNAD	Norman, Okla.
WNOX	Knoxville, Tenn.
WPAP	New York, N. Y.

1020 KC

KYW	Philadelphia, Pa.
XEJ	Ciudad Juarez, Chih.

1030 KC

CFCN	Strathmore, Alta.
CKLW	Windsor, Ont.
XEB	Mexico, D. F.

1040 KC

KRLD	Dallas, Tex.
KTHS	Hot Springs, Ark.
KWJJ	Portland, Ore.*
WESG	Elmira, N. Y.
WKAR	E. Lansing, Mich.
WTIC	Hartford, Conn.*

1050 KC

CHNS	Halifax, N. S.
CRCK	Charlesbourg, Que.
KFBI	Abilene, Kan.
KNX	Los Angeles, Cal.

1060 KC

KWJJ	Portland, Ore.
KTHS	Hot Springs, Ark.*
WBAL	Baltimore, Md.
WJAG	Norfolk, Nebr.
WTIC	Hartford, Conn.
XEA	Guadalajara, Jal.

1070 KC

KJBS	San Francisco, Cal.
WCAZ	Carthage, Ill.
WDZ	Tuscola, Ill.
WTAM	Cleveland, O.

1080 KC

WBT	Charlotte, N. C.
WCBD	Zion, Ill.
WMBI	Chicago, Ill.
XEAF	Nogales, Sonora
XEMA	Tampico, Tamps.

1090 KC

KMOX	St. Louis, Mo.
WESG	Elmira, N. Y.*

1100 KC

CRCV	Lulu Island, B. C.
KGDM	Stockton, Cal.
KWKH	Shreveport, La.*
WLWL	New York, N. Y.
WPG	Atlantic City, N. J.
XEFG	Mexico, D. F.

1110 KC

KSOO	Sioux Falls, S. D.
WRVA	Richmond, Va.

1120 KC

CHLP	Montreal, Que.
CHSJ	St. John, N. B.
CKOC	Hamilton, Ont.
KFIO	Spokane, Wash.
KFSG	Los Angeles, Cal.
KRKD	Los Angeles, Cal.
KRSC	Seattle, Wash.
WDEL	Wilmington, Del.
WISN	Milwaukee, Wis.
WTAW	College Sta'n, Tex.
XENT	Nuevo Laredo, Tamps.

1130 KC

KSL	Salt Lake City, U.
WJJD	Chicago, Ill.
WOV	New York, N. Y.

1140 KC

KVOO	Tulsa, Okla.
WAPI	Birmingham, Ala.

1150 KC

WHAM	Rochester, N. Y.
XEH	Monterrey, N. L.
XEWZ	Mexico, D. F.
XEY	Merida, Yuc.

1160 KC

WOWO	Fort Wayne, Ind.
WWVA	Wheeling, W. Va.
XED	Guadalajara, Guad.

1170 KC

WCAU	Philadelphia, Pa.

1180 KC

KEX	Portland, Ore.
KOB	Albuquerque, N. M.
WDGY	Minneapolis, Minn.
WINS	New York, N. Y.
WMAZ	Macon, Ga.

1190 KC

WATR	Waterbury, Conn.
WOAI	San Antonio, Tex.
WSAZ	Huntington, W. Va.

1200 KC

CHAB	Moose Jaw, Sask.
CKTB	Pt. Dalhousie, Ont.
KADA	Ada, Okla.
KBTM	Paragould, Ark.
KFJB	Marshalltown, Ia.
KFXD	Nampa, Idaho
KFXJ	Grand Junct., Co'o.
KGDE	Fergus Falls, Minn.
KGEK	Yuma, Colo.
KGFJ	Los Angeles, Cal.
KGHI	Little Rock, Ark.
KGVO	Missoula, Mont.
KMLB	Monroe, La.
KOOS	Marshfield, Ore.
KSUN	Lowell, Ariz.
KVOS	Bellingham, Wash.
KWG	Stockton, Cal.
WABI	Bangor, Me.
WBBZ	Ponca City, Okla.
WBHS	Huntsville, Ala.
WBNO	New Orleans, La.
WCAT	Rapid City, S. D.
WCAX	Burlington, Vt.
WCLO	Janesville, Wis.
WFAM	South Bend, Ind.
WFBC	Greenville, S. C.
WFBE	Cincinnati, O.
WHBC	Canton, O.
WHBY	Green Bay, Wis.
WIBX	Utica, N. Y.
WIL	St. Louis, Mo.
WJBC	LaSalle, Ill.
WJBL	Decatur, Ill.
WJBW	New Orleans, La.
WKBO	Harrisburg, Pa.
WKJC	Lancaster, Pa.
WLVA	Lynchburg, Va.
WMPC	Lampier, Mich.
WNBO	Silverhaven, Pa.
WORC	Worcester, Mass.
WRBL	Columbus, Ga.
WWAE	Hammond, Ind.

1210 KC

CHNC	New Carlisle, Que.
CKBI	Prince Albert, Sask.
CKCH	Hull, Que.
CKMC	Cobalt, Ont.
KASA	Elk City, Okla.
KDLR	Devils Lake, N. D.
KFJI	Klamath Falls, Ore.
KFOR	Lincoln, Nebr.
KFPW	Ft. Smith, Ark.
KFVS	Cp. Girardeau, Mo.
KFXM	San Bern'dino, Cal.
KGY	Olympia, Wash.
KIEM	Eureka, Cal.
KPPC	Pasadena, Cal.
KWEA	Shreveport, La.
KWFV	Hilo, Hawaii
KWTN	Watertown, S. D.
WALR	Zanesville, O.
WBAX	Wilkes-Barre, Pa.
WBBL	Richmond, Va.
WCBS	Springfield, Ill.
WCRW	Chicago, Ill.
WEBQ	Harrisburg, Ill.
WEDC	Chicago, Ill.
WFAS	White Plains, N. Y.
WGBB	Freeport, N. Y.
WGCM	Miss'ippi C'y, Miss.
WGNY	Chester Twp., N. Y.
WHBF	Rock Island, Ill.
WHBU	Anderson, Ind.
WIBU	Poynette, Wis.
WJBI	Red Bank, N. J.
WJBY	Gadsden, Ala.
WJEJ	Hagerstown, Md.
WJIM	Lansing, Mich.
WJW	Akron, O.
WKFI	Greenville, Miss.
WKOK	Sunbury, Pa.
WMBG	Richmond, Va.
WOCL	Jamestown, N. Y.
WOMT	Manitowoc, Wis.
WPRO	Providence, R. I.
WQDX	Thomasville, Ga.
WSBC	Chicago, Ill.
WSEN	Columbus, O.
WSIX	Springfield, Tenn.
WSOC	Charlotte, N. C.
WTAX	Springfield, Ill.
XEAB	Nuevo Laredo, Tamps.
XEE	Durango, Dgo.
XEFJ	Monterrey, N. L.
XEFV	Ciudad Juarez, Chih.
XEMZ	Tijuana, B. C.

1220 KC

KFKU	Lawrence, Kan.
KTW	Seattle, Wash.
KWSC	Pullman, Wash.
WCAD	Canton, N. Y.

* Experimental authorization.

1220 KC (Cont'd)

WCAE	Pittsburgh, Pa.
WDAE	Tampa, Fla.
WREN	Lawrence, Kan.

1230 KC

CJOC	Lethbridge, Alta.
KGGM	Albuquerque, N. M.
KYA	San Francisco, Cal.
WFBM	Indianapolis, Ind.
WNAC	Boston, Mass.
WSBT	South Bend, Ind.

1240 KC

CJCB	Sydney, N. S.
KGCU	Mandan, N. D.
KLPM	Minot, N. D.
KTAT	Fort Worth, Tex.
KTFI	W. Twin Falls, Id.
WKAQ	San Juan, P. R.
WXYZ	Detroit, Mich.
XEAI	Mexico, D. F.
XFB	Jalapa, Vera.

1250 KC

KFOX	Long Beach, Cal.
WCAL	Northfield, Minn.
WDSU	New Orleans, La.
WGCP	Newark, N. J.
WLB	Minneapolis, Minn.
WNEW	Newark, N. J.
WRHM	Minneapolis, Minn.

1260 KC

CFTP	Edmonton, Alta.
KOIL	Council Bluffs, Ia.
KPAC	Brownsville, Tex.
KRGV	Weslaco, Tex.
KUOA	Fayetteville, Ark.
KVOA	Tucson, Ariz.
KWWG	Brownsville, Tex.
WLBW	Erie, Pa.
WNBX	Springfield, Vt.
WTOC	Savannah, Ga.

1270 KC

KGCA	Decorah, Ia.
KOL	Seattle, Wash.
KVOR	Colorado Springs, Colo.
KWLC	Decorah, Ia.
WASH	Grand Rapids, Mich.
WFBR	Baltimore, Md.
WJDX	Jackson, Miss.
WOOD	Grand Rapids, Mich.

1280 KC

KFBB	Great Falls, Mont.
WCAM	Camden, N. J.
WCAP	Asbury Park, N. J.
WDOD	Chattanooga, Tenn.
WIBA	Madison, Wis.
WRR	Dallas, Tex.
WTNJ	Trenton, N. J.

1290 KC

KDYL	Salt Lake City, U.
KLCN	Blytheville, Ark.
KTSA	San Antonio, Tex.
WEBC	Superior, Wis.
WJAS	Pittsburgh, Pa.
WNBZ	Saranac Lake, N. Y.
WNEL	San Juan, P. R.

1300 KC

KALE	Portland, Ore.
KFAC	Los Angeles, Cal.
KFH	Wichita, Kan.
KFJR	Portland, Ore.
WBBR	Brooklyn, N. Y.
WEVD	New York, N. Y.
WFAB	New York, N. Y.
WHAZ	Troy, N. Y.
WIOD	Miami, Fla.
WMBF	Miami, Fla.

1310 KC

CHCK	Charlottet'n, P. E. I.
CJKL	Kirkland Lake, Ont.
CJLS	Yarmouth, N. S.
CKCV	Quebec, Que.
KCRJ	Jerome, Ariz.
KFBK	Sacramento, Cal.
KFPL	Dublin, Tex.
KFPM	Greenville, Tex.
KFXR	Okla. City, Okla.

1310 KC (Cont'd)

KFYO	Lubbock, Tex.
KGBX	Springfield, Mo.
KGCX	Wolf Point, Mont.
KGEZ	Kalispell, Mont.
KGFW	Kearney, Nebr.
KIT	Yakima, Wash.
KMED	Medford, Ore.
KRMD	Shreveport, La.
KTSM	El Paso, Tex.
KXRO	Aberdeen, Wash.
WAML	Laurel, Miss.
WBEO	Marquette, Mich.
WBOW	Terre Haute, Ind.
WBRE	Wilkes-Barre, Pa.
WCLS	Joliet, Ill.
WDAH	El Paso, Tex.
WEBR	Buffalo, N. Y.
WEXL	Royal Oak, Mich.
WFBG	Altoona, Pa.
WFDF	Flint, Mich.
WGH	Newport News, Va.
WHAT	Philadelphia, Pa.
WJAC	Johnstown, Pa.
WLBC	Muncie, Ind.
WLNH	Leconia, N. H.
WMBO	Auburn, N. Y.
WNBH	New Bedford, Mass.
WOL	Washington, D. C.
WRAW	Reading, Pa.
WROL	Knoxville, Tenn.
WSAJ	Grove City, Pa.
WSGN	Birmingham, Ala.
WSJS	Winston-Salem, N. C.
WTEL	Philadelphia, Pa.
WTJS	Jackson, Tenn.
WTRC	Elkhart, Ind.
XECW	Mexico, D. F.
XEFC	Merida, Yuc.
XEFW	Tampico, Tamps.
XETB	Torreon, Coah.
XEX	Monterrey, N. L.
XFA	Aguascalientes, Ags.

1320 KC

KGHF	Pueblo, Colo.
KGMB	Honolulu, Hawaii
KID	Idaho Falls, Idaho
KSO	Des Moines, Ia.
WADC	Tallmadge, O.
WSMB	New Orleans, La.

1330 KC

KGB	San Diego, Cal.
KMO	Tacoma, Wash.
KSCJ	Sioux City, Ia.
KTRH	Houston, Tex.
WDRC	Hartford, Conn.
WSAI	Cincinnati, O.
WTAQ	Eau Claire, Wis.

1340 KC

KFPY	Spokane, Wash.
KGDY	Huron, S. D.
KGNO	Dodge City, Kan.
WCOA	Pensacola, Fla.
WFEA	Manchester, N. H.
WSPD	Toledo, O.

1350 KC

KIDO	Boise, Idaho
KWK	St. Louis, Mo.
WAWZ	Zarephath, N. J.
WBNX	New York, N. Y.
WEHC	Charlottesville, Va.

1360 KC

KGER	Long Beach, Cal.
KGIR	Butte, Mont.
WCSC	Charleston, S. C.
WFBL	Syracuse, N. Y.
WGES	Chicago, Ill.
WQBC	Vicksburg, Miss.

1370 KC

CKCW	Moncton, N. B.
KCRC	Enid, Okla.
KERN	Bakersfield, Cal.
KFGQ	Boone, Ia.
KFJM	Grand Forks, N. D.
KFJZ	Fort Worth, Tex.
KGAR	Tucson, Ariz.
KGFG	Okla. City, Okla.
KGFL	Roswell, N. M.
KGKL	San Angelo, Tex.
KICA	Clovis, N. M.
KLUF	Galveston, Tex.
KMAC	San Antonio, Tex.
KONO	San Antonio, Tex.

1370 KC (Cont'd)

KRE	Berkeley, Cal.
KRKO	Everett, Wash.
KSLM	Salem, Ore.
KUJ	Walla Walla, Wash.
KVL	Seattle, Wash.
KWKC	Kansas City, Mo.
KWYO	Sheridan, Wyo.
WAGH	Dothan, Ala.
WBTM	Danville, Va.
WCBM	Baltimore, Md.
WDAS	Philadelphia, Pa.
WGL	Fort Wayne, Ind.
WGLC	Hudson Falls, N. Y.
WHBD	Mt. Orab, O.
WHBQ	Memphis, Tenn.
WHDF	Calumet, Mich.
WIBM	Jackson, Mich.
WJBK	Detroit, Mich.
WJTL	Oglethorpe Un., Ga.
WLEY	Lexington, Mass.
WMBR	Tampa, Fla.
WPFB	Hattiesburg, Miss.
WQDM	St. Albans, Vt.
WRAK	Williamsport, Pa.
WRDO	Augusta, Me.
WRJN	Racine, Wis.
WSVS	Buffalo, N. Y.
XEFE	Nuevo Laredo, Tamps.
XEFZ	Mexico, D. F.
XEI	Morelia, Mich.
XEL	Saltillo, Coah.
XEZZ	San Luis Potosi, S.L.P.

1380 KC

KOH	Reno, Nev.
KQV	Pittsburgh, Pa.
WALA	Mobile, Ala.
WKBH	LaCrosse, Wis.
WSMK	Dayton, O.

1390 KC

CJRC	Middlechurch, Man.
KLRA	Little Rock, Ark.
KOY	Phoenix, Ariz.
WHK	Cleveland, O.

1400 KC

KLO	Ogden, Utah
KTUL	Tulsa, Okla.
WARD	Brooklyn, N. Y.
WBBC	Brooklyn, N. Y.
WKBF	Indianapolis, Ind.
WLTH	Brooklyn, N. Y.
WVFW	Brooklyn, N. Y.

1410 KC

CKFC	Vancouver, B. C.
CKMO	Vancouver, B. C.
KGRS	Amarillo, Tex.
WAAB	Boston, Mass.
WBCM	Bay City, Mich.
WDAG	Amarillo, Tex.
WHBL	Sheboygan, Wis.
WHIS	Bluefield, W. Va.
WRBX	Roanoke, Va.
WROK	Rockford, Ill.
WSFA	Montgomery, Ala.

1420 KC

CKGB	Timmins, Ont.
CKNC	Toronto, Ont.
KABC	San Antonio, Tex.
KBPS	Portland, Ore.
KCMC	Texarkana, Ark.
KFIZ	Fond du Lac, Wis.
KGFF	Shawnee, Okla.
KGGC	San Francisco, Cal.
KGIW	Alamosa, Colo.
KGIX	Las Vegas, Nev.
KICK	Carter Lake, Ia.
KIDW	Lamar, Colo.
KORE	Eugene, Ore.
KUMA	Yuma, Ariz.
KWCR	Cedar Rapids, Ia.
KXL	Portland, Ore.
WACO	Waco, Tex.
WAGM	Presque Isle, Me.
WAMC	Anniston, Ala.
WAZL	Hazleton, Pa.
WEED	Rocky Mount, N. C.
WEHS	Cicero, Ill.
WELL	Battle Creek, Mich.
WGPC	Albany, N. Y.
WHDL	Tupper Lake, N. Y.
WHFC	Cicero, Ill.
WILM	Wilmington, Del.
WJBO	Baton Rouge, La.
WJMS	Ironwood, Mich.

1420 KC (Cont'd)

WKBI	Cicero, Ill.
WLAP	Lexington, Ky.
WLBF	Kansas City, Kan.
WLEU	Erie, Pa.
WMAS	Springfield, Mass.
WMBC	Detroit, Mich.
WMBH	Joplin, Mo.
WNRA	Muscle Shls. C'y, Ala.
WPAD	Paducah, Ky.
WSPA	Spartanburg, S. C.
XEAZ	Leon, Gto.
XEFB	Monterrey, N. L.

1430 KC

KECA	Los Angeles, Cal.
KGNF	North Platte, Nebr.
KWCR	Cedar Rapids, Ia.*
WBNS	Columbus, O.
WFEA	Manchester, N. H.*
WHEC	Rochester, N. Y.
WHP	Harrisburg, Pa.
WNBR	Memphis, Tenn.
WOKO	Albany, N. Y.

1440 KC

KDFN	Casper, Wyo.
KLS	Oakland, Cal.
KXYZ	Houston, Tex.
WBIG	Greensboro, N. C.
WCBA	Allentown, Pa.
WMBD	Peoria, Ill.
WSAN	Allentown, Pa.
WTAD	Quincey, Ill.

1450 KC

CFCT	Victoria, B. C.
CKX	Brandon, Man.
KTBS	Shreveport, La.
WGAR	Cleveland, O.
WHOM	Jersey City, N. J.
WSAR	Fall River, Mass.
WTFI	Athens, Ga.

1460 KC

KSTP	St. Paul, Minn.
WJSV	Alexandria, Va.

1470 KC

KGA	Spokane, Wash.
WLAC	Nashville, Tenn.

1480 KC

KOMA	Okla. City, Okla.
WKBW	Buffalo, N. Y.

1490 KC

WCKY	Covington, Ky.

1500 KC

CHGS	Summerside, P. E. I.
KDB	Santa Barbara, Cal.
KGFI	Corpus Christi, Tex.
KGFK	Moorhead, Minn.
KGKB	Tyler, Tex.
KGKY	Scottsbluff, Nebr.
KNOW	Austin, Tex.
KOTN	Pine Bluff, Ark.
KPJM	Prescott, Ariz.
KPQ	Wenatchee, Wash.
KREG	Santa Ana, Cal.
KXO	El Centro, Cal.
WCNW	Brooklyn, N. Y.
WDNC	Durham, N. C.
WGAL	Lancaster, Pa.
WHEF	Kosciusko, Miss.
WJBK	Detroit, Mich.
WKBB	East Dubuque, Ill.
WKBV	Richmond, Ind.
WKBZ	Ludington, Mich.
WKEU	LaGrange, Ga.
WMBQ	Brooklyn, N. Y.
WMEX	Chelsea, Mass.
WNBF	Binghamton, N. Y.
WOPI	Bristol, Tenn.
WRDW	Augusta, Ga.
WRGA	Rome, Ga.
WSYB	Rutland, Vt.
WWRL	Woodside, N. Y.
WWSW	Pittsburgh, Pa.

1510 KC

CFRC	Kingston, Ont.
CKCR	Waterloo, Ont.

* Experimental authorization.

Call Letters	Frequency Megacycles	Location	Power Watts*
KGBZ	2.406	Little Rock, Ark.	
KGHA	2.490	State of Washington.	10
KGHB	2.490	State of Washington.	10
KGHC	2.490	State of Washington.	10
KGHD	2.490	Seattle, Wash.	50
KGHE	2.490	Snoqualmie Pass, Wash.	50
KGHG	2.474	Las Vegas, Nev.	50
KGHK	1.674	Palo Alto, Cal.	20
KGHM	2.474	Reno, Nev.	50
KGHN	2.450	Hutchinson, Kan.	50
KGHO	1.682	Des Moines, Iowa	400
KGHP	2.466	Lawton, Okla.	50
KGHQ	2.490	Chinook Pass, Wash.	10
KGHR	2.490	State of Washington.	10
KGHS	2.414	Spokane, Wash.	100
KGHT	2.382	Brownsville, Tex.	100
KGHU	2.382	Austin, Tex.	25
KGHV	2.382	Corpus Christi, Tex...	50
KGHW	2.414	Centralia, Wash.	15
KGHX	2.490	Santa Ana, Cal.	400
KGHY	1.712	Whittier, Cal.	50
KGHZ	2.406	Little Rock, Ark.	100
KGJX	1.712	Pasadena, Cal.	400
KGOZ	2.466	Cedar Rapids, Iowa ..	50
KGPA	2.414	Seattle, Wash.	250
KGPB	2.430	Minneapolis, Minn. ..	400
KGPC	1.706	St. Louis, Mo.	500
KGPD	2.466	San Francisco, Cal. .	400
KGPE	2.422	Kansas City, Mo. ...	400
KGPF	2.414	Santa Fe, N. M.	25
KGPG	2.422	Vallejo, Cal.	7.5
KGPH	2.450	Oklahoma City, Okla.	250
KGPI	2.466	Omaha, Nebr.	400
KGPJ	1.712	Beaumont, Tex.	100
KGPK	2.466	Sioux City, Iowa	100
KGPL	1.712	Los Angeles, Cal. ...	500
KGPM	1.674	San Jose, Cal.	50
KGPN	2.466	Davenport, Iowa	50
KGPO	2.450	Tulsa, Okla.	100
KGPP	2.442	Portland, Ore.	500
KGPQ	2.450	Honolulu, T. H.	100
KGPR	2.430	Minneapolis, Minn. ..	400
KGPS	2.414	Bakersfield, Cal.	50
KGPW	2.406	Salt Lake City, Utah.	100
KGPX	2.442	Denver, Colo.	150
KGPZ	2.450	Wichita, Kan.	250
KGZA	2.414	Fresno, Cal.	100
KGZC	2.422	Topeka, Kan.	50
KGZD	2.490	San Diego, Cal.	100
KGZE	2.482	San Antonio, Tex. ..	500
KGZF	2.450	Chanute, Kan.	25
KGZG	2.466	Des Moines, Iowa ..	100
KGZH	2.382	Kla'th Falls, Ore. ...	25
KGZI	2.458	Wich. Falls, Tex. ...	50
KGZJ	2.430	Phoenix, Ariz.	100
KGZM	2.414	El Paso, Tex.	100
KGZN	2.414	Tacoma, Wash.	100
KGZO	2.414	Santa Barbara, Cal...	100
KGZP	2.450	Coffeyville, Kan.	50
KGZQ	1.712	Waco, Tex.	50
KGZR	2.442	Salem, Ore.	50
KGZT	1.674	Santa Cruz, Cal.	50
KGZU	2.490	Lincoln, Nebr.	50
KGZV	2.414	Aberdeen, Wash.	50
KGZW	2.458	Lubbock, Tex.	50
KGZX	2.414	Albuquerque, N. M. ..	50
KGZY	1.712	San Bernardino, Cal..	50
KNFA	2.414	Clovis, N. M.	50
KNFB	2.458	Idaho Falls, Idaho ..	500
KNFE	2.382	Duluth, Minn.	400
KNFF	2.422	Leavenworth, Kan. ..	75
KNFH	2.474	Garden City, Kan. ...	50
KNFJ	1.712	Pomona, Cal.	50
KSW	1.658	Berkeley, Cal.	400
KVP	1.712	Dallas, Tex.	500
WCK	2.414	Belle Isle, Mich.	500
WKDU	1.706	Cincinnati, Ohio	500
WMDZ	2.442	Indianapolis, Ind. ...	400
WMJ	2.422	Buffalo, N. Y.	500
WMO	2.414	Highland Park, Mich.	50
WMP	1.666	Framingham, Mass. .	1000
WNFP	2.422	Niagara Falls, N. Y...	135
WPDA	2.414	Tulare, Cal.	150
WPDB	1.712	Chicago, Ill.	500
WPDC	1.712	Chicago, Ill.	500
WPDD	1.712	Chicago, Ill.	500
WPDE	2.442	Louisville, Ky.	200
WPDF	2.466	Flint, Mich.	100
WPDG	2.458	Youngstown, Ohio	250
WPDH	2.442	Richmond, Ind.	50
WPDI	2.430	Columbus, Ohio	200
WPDK	2.450	Milwaukee, Wis.	500
WPDL	2.442	Lansing, Mich.	50
WPDM	2.430	Dayton, Ohio	400
WPDN	2.382	Auburn, N. Y.	50
WPDO	2.458	Akron, Ohio	100
WPDP	2.474	Philadelphia, Pa.	500
WPDR	2.422	Rochester, N. Y.	200
WPDS	2.430	St. Paul, Minn.	500
WPDT	2.490	Kokomo, Ind.	50
WPDU	1.712	Pittsburgh, Pa.	400
WPDV	2.458	Charlotte, N. C.	50
WPDW	2.422	Washington, D. C. ..	400
WPDX	2.414	Detroit, Mich.	500
WPDY	2.414	Atlanta, Ga.	150
WPEA	2.382	Syracuse, N. Y.	400
WPEB	2.442	Grand Rapids, Mich...	500
WPEC	2.466	Memphis, Tenn.	400
WPED	1.712	Arlington, Mass.	100
WPEE	2.450	Brooklyn, N. Y.	400
WPEF	2.450	New York, N. Y.	400
WPEG	2.450	New York, N. Y.	500
WPEH	1.712	Somerville, Mass.	100
WPEI	1.712	Providence, R. I.	50
WPEK	2.430	New Orleans, La. ...	250
WPEL	1.666	W. Bridgewater, Mass.	1000
WPEM	2.466	Woonsocket, R. I.	50
WPEP	2.450	Kenosha, Wis.	100
WPES	2.442	Saginaw, Mich.	100
WPET	1.706	Lexington, Ky.	500
WPEV	1.666	W. Bridgewater, Mass.	50
WPEW	1.666	Northampton, Mass. .	1000
WPFA	1.712	Newton, Mass.	50
WPFC	2.442	Muskegon, Mich.	50
WPFE	2.442	Reading, Pa.	100
WPFG	2.442	Jacksonville, Fla. ...	400
WPFH	2.414	Baltimore, Md.	500
WPFI	2.414	Columbus, Ga.	50
WPFK	2.430	Hackensack, N. J. ...	200
WPFM	2.382	Birmingham, Ala. ...	400
WPFN	1.712	Fairhaven, Mass.	100
WPFO	2.474	Knoxville, Tenn.	400
WPFP	2.490	Clarksburg, W. Va. ..	30
WPFQ	2.474	Swarthmore, Pa.	50
WPFS	2.474	Asheville, N. C.	200
WPFU	2.422	Portland, Me.	100
WPFV	2.466	Pawtucket, R. I.	50
WPFW	2.466	Bridgeport, Conn. ...	50
WPFX	2.442	Palm Beach, Fla. ...	50
WPFY	2.442	Yonkers, N. Y.	400
WPFZ	2.442	Miami, Fla.	100
WPGA	2.466	Bay City, Mich.	50
WPGB	2.466	Port Huron, Mich. ..	50
WPGC	1.658	Schenectady, N. Y. ..	1000
WPGD	2.458	Rockford, Ill.	50
WPGF	1.712	Providence, R. I.	150
WPGG	1.682	Findlay, Ohio	500
WPGH	2.414	Albany, N. Y.	300
WPGI	2.430	Portsmouth, Ohio ...	50
WPGJ	2.414	Utica, N. Y.	100
WPGK	2.466	Cranston, R. I.	50
WPGL	2.442	Binghamton, N. Y. ..	400
WPGN	2.490	South Bend, Ind.	100
WPGO	2.490	Huntington, N. Y. ...	25
WPGP	2.442	Muncie, Ind.	100
WPGQ	1.682	North Columbus, O...	400
WPGS	2.490	Mineola, N. Y.	400
WPGT	2.482	New Castle, Pa.	50
WPGU	1.712	Cohasset, Mass.	24
WPGV	1.712	Boston, Mass.	500
WPGW	2.382	Mobile, Ala.	400
WPGX	2.466	Worcester, Mass. ...	100
WPGZ	2.474	Johnson City, Tenn. .	50
WPHA	2.466	Fitchburg, Mass.	50
WPHB	2.442	Nashua, N. H.	50
WPHC	1.682	N. Masillon, Ohio....	400
WPHD	2.458	Steubenville, Ohio ...	100
WPHF	2.450	Richmond, Va.	150
WPHJ	2.490	Fairmont, W. Va.	30
WPSP	1.674	Harrisburg, Pa.	1000
WRBH	2.458	Cleveland, Ohio	500
WRDQ	2.474	Toledo, Ohio	200
WRDR	2.414	Grosse Pt., Mich.	50
WRDS	1.642	E. Lansing, Mich. ..	1000
WRDZ	2.490	Fort Wayne, Ind. ...	200

* Power is given for night operation.

UNITED STATES AERONAUTICAL STATIONS

Call	Location	Chain
KEU	Burbank, Cal.	Red
KFM	Sacramento, Cal.	Red
KFO	Oakland, Cal.	Red
KGE	Medford, Ore.	Red
KGJW	Brownsville, Tex.	Orange
KGQZ	San Diego, Cal.	Red
KGSH	Portable	Brown
KGSI	Kansas City, Kan.	Blue
KGSJ	Goodland, Kan.	Blue
KGSK	Billings, Mont.	Brown
KGSL	Glendive, Mont.	Brown
KGSM	Salina, Kan.	Blue
KGSN	Portable	Blue
KGSO	Portable	Blue
KGSS	Denver, Colo.	Blue
KGSV	Great Falls, Mont.	Blue
KGSW	Helena, Mont.	Brown
KGSX	Spokane, Wash.	Brown
KGSY	Missoula, Mont.	Brown
KGSZ	Seattle, Wash.	Brown
KGT	Fresno, Cal.	Red
KGTA	Winslow, Ariz.	Blue
KGTB	Texarkana, Ark.	Brown
KGTD	Wichita, Kan.	Blue
KGTF	Fort Worth, Tex.	Brown
KGTH	Salt Lake City, Utah.	Blue
KGTJ	Las Vegas, Nev.	Blue
KGTL	Kingman, Ariz.	Blue
KGTO	Portable	Red
KGTP	Portable	Brown
KGTR	Robertson, Mo.	Blue
KGTV	Beaumont, Cal.	Brown
KGTX	Pocatello, Idaho	Blue
KGTY	Butte, Mont.	Blue and Brown
KGTZ	Spokane, Wash.	Red
KGUA	El Paso, Tex.	Brown
KGUD	San Antonio, Tex.	Brown
KGUE	Brownsville, Tex.	Brown
KGUG	Big Springs, Tex.	Brown
KGUH	Waco, Tex.	Brown
KGUL	Abilene, Tex.	Brown
KGUN	Douglas, Ariz.	Brown
KGUO	Tucson, Ariz.	Brown
KGUP	Phoenix, Ariz.	Brown
KGUQ	Indio, Cal.	Brown
KGUR	Glendale, Cal.	Brown
KGUT	Robertson, Mo.	Brown
KGUU	Little Rock, Ark.	Brown
KIJE	Pendleton, Ore.	Red
KIKJ	Beaudette, Minn.	2994
KIKL	Los Angeles, Cal.	2930, 6615
KIOO	Oklahoma City, Okla.	Brown
KIOS	Springfield, Mo.	Brown
KIOT	Tulsa, Okla.	Brown
KJE	Reno, Nev.	Red
KKO	Elko, Nev.	Red
KMP	Omaha, Nebr.	Red
KMR	North Platte, Nebr.	Red
KNAS	Kansas City, Mo.	Red
KNWA	St. Paul, Minn.	Brown
KNWB	Fargo, N. D.	Brown
KNWD	Bismarck, N. D.	Brown
KOE	Cheyenne, Wyo.	Red
KQC	Rock Springs, Wyo.	Red
KQD	Salt Lake City, Utah.	Red
KQM	Des Moines, Ia.	Red
KQQ	Iowa City, Ia.	Red
KQX	Bakersfield, Cal.	Red
KRA	Boise, Idaho	Red
KRD	Pasco, Wash.	Red
KRF	Lincoln, Nebr.	Red
KSI	Burbank, Cal.	Blue
KST	Kansas City, Mo.	Blue
KSV	Amarillo, Tex.	Blue
KSX	Albuquerque, N. M.	Blue
KTU	Redding, Cal.	Red
KVO	Portland, Ore.	Red
KZJ	Seattle, Wash.	Red
WAEC	Pittsburgh, Pa.	Blue
WAED	Harrisburg, Pa.	Blue
WAEE	Philadelphia, Pa.	Blue
WAEF	Newark, N. J.	Blue
WAEG	Cresson, Pa.	Blue
WAEH	Milwaukee, Wis.	Brown
WAEI	Detroit, Mich.	Brown
WAEJ	Springfield, Ill.	Brown
WAEO	Chicago, Ill.	Blue
WAEP	Portable	Brown
WAEQ	Elmira, N. Y.	Brown
WAER	Roanoke, Va.	Brown
WAES	Syracuse, N. Y.	Brown
WAET	Hartford, Conn.	Brown
WAEV	Knoxville, Tenn.	Brown
WEEA	Atlanta, Ga.	Green
WEEB	Baltimore, Md.	Green
WEEC	Charleston, S. C.	Green
WEEF	Spartanburg, S. C.	Green
WEEG	Greensboro, N. C.	Green
WEEJ	Jacksonville, Fla.	Green
WEEK	Washington, D. C.	Green
WEEL	Vero Beach, Fla.	Green
WEEM	Miami, Fla.	Green
WEEN	Linden, N. J.	Green
WEEO	Orlando, Fla.	Green
WEEP	Newark, N. J.	Green
WEEQ	Greenville, S. C.	Green
WEER	Richmond, Va.	Green

Call	Location	Chain
WHG	Columbus, O.	Blue
WHM	Indianapolis, Ind.	Blue
WKDL	Miami, Fla.	Orange
WLIC	Atlantic City, N. J.	Green
WMDU	San Juan, P. R.	Orange
WMEP	Suffield, O.	2930, 6615
WMEQ	Chicago, Ill.	2930, 6615
WMER	Portable	Brown
WMEW	Portable and mobile	2930, 6615
WNAJ	Toledo, O.	Red
WNAK	Cleveland, O.	Red
WNAM	Kylertown, Pa.	Red
WNAO	Newark, N. J.	Red
WNAU	Moline, Ill.	Red
WNED	Tampa, Fla.	Orange
WNEG	Charleston, W. Va.	Brown
WNEH	So. Washington, Va.	Brown
WNEK	Jackson Heights, L. I., N. Y.	2930, 6615
WOEF	Florence, S. C.	Green
WOEL	Mobile, Ala.	Green
WOEM	Montgomery, Ala.	Green
WOEN	New Orleans, La.	Green
WSDC	Newark, N. J.	Brown
WSDD	Boston, Mass.	Brown
WSDF	Louisville, Ky.	Brown
WSDG	Chicago, Ill.	Brown
WSDH	Murfreesboro, Tenn.	Brown
WSDI	Cincinnati, O.	Brown
WSDJ	Elkins, W. Va.	Brown
WSDK	Memphis, Tenn.	Brown
WSDM	Albany, N. Y.	Brown
WSDO	Buffalo, N. Y.	Brown
WSDP	Columbus, O.	Brown
WSDQ	Berea, O.	Brown
WSDR	Madison, Wis.	Brown
WSDS	Chicago, Ill.	Brown
WSDZ	Indianapolis, Ind.	Brown
WUCG	Chicago, Ill.	Red

AERONAUTICAL CHAIN FREQUENCIES

RED: 3147.5, 3162.5, 3172.5, 3182.5, 3322.5, 5122.5, 5572.5, 5582.5, 5592.5, 5662.5.

BLUE: 2906, 3062.5, 3072.5, 3088, 4937.5, 4947.5, 4952.5, 4967.5, 4987.5, 5672.5, 5692.5.

BROWN: 3127.5, 3222.5, 3232.5, 3242.5, 3257.5, 3447.5, 3457.5, 3467.5, 3485, 4917.5, 5602.5, 5612.5, 5632.5, 3005, 2854, 5377.5.

GREEN: 2922, 2946, 2986, 4122.5, 5652.5.

ORANGE: 2870, 3082.5, 5375, 5405, 5692.5, 6570, 8220, 12330, 16440.

CORRESPONDING BROADCAST AND SHORT-WAVE STATIONS IN UNITED STATES

STANDARD BROADCAST STATIONS			CORRESPONDING SHORT-WAVE STATIONS	
Call Letters	Frequency Kilocycles	Location	Call Letters	Frequency in Megacycles
KDKA	980	Pittsburgh, Pa.	W8XK	6.14, 11.87, 15.21
WABC	860	New York, N. Y.	W2XE	6.12, 11.83, 15.27
WBZ	990	Boston, Mass.	W1XAZ	9.57
WCAU	1170	Philadelphia, Pa.	W3XAU	6.06, 9.50
WCFL	970	Chicago, Ill.	W9XAA	6.08
WENR	870	Chicago, Ill.	W9XF	6.10
WGY	790	Schenectady, N. Y.	W2XAD	15.33
WGY	790	Schenectady, N. Y.	W2XAF	9.53
WJZ	760	New York, N. Y.	W3XAL	6.10, 17.78
WLW	700	Cincinnati, O.	W8XAL	6.06

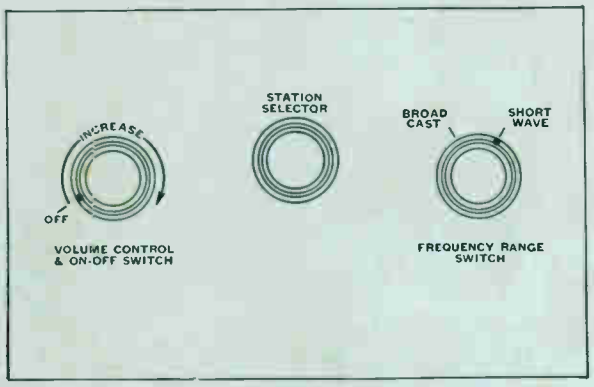
ATWATER KENT RADIO

MODEL 435

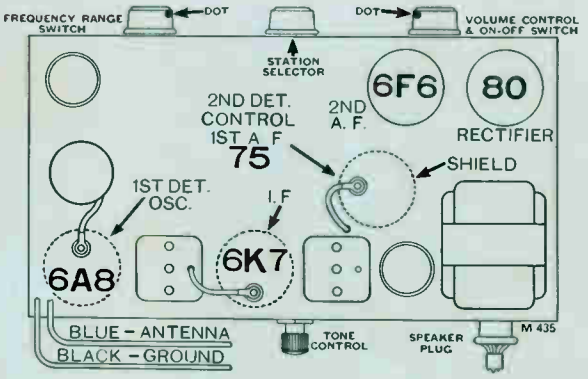
Super-Heterodyne with Automatic Volume Control and NEW METAL-TYPE TUBES

540 to 1712 Kilocycles and 2.3 to 7.5 Megacycles

For maximum efficiency on broadcast and short waves, use Atwater Kent Type "D" No. 28076 doublet antenna kit, and Atwater Kent Model "DT" No. 28083 doublet transformer. These parts have been designed especially for this receiver.



FRONT VIEW



TUBE LOCATION.

VOLUME CONTROL AND ON-OFF SWITCH

The **left-hand** knob operates the combination volume control and on-off switch. Rotation in a clockwise direction first turns the set on, and then adjusts the volume to any desired level. Turning this knob in the opposite direction as far as it will go turns the set off.

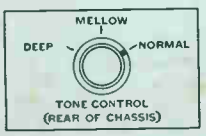
STATION SELECTOR

The **center** knob tunes the receiver and moves the indicator over the illuminated dial.

Tune back and forth through the desired station in order to locate the exact point at which the station comes in strongest. Leave the station selector at this point and adjust the volume control for the desired volume. Never tune slightly off the station in order to reduce volume, but tune exactly on the station and then adjust the volume control if necessary.

TONE CONTROL

The knob at rear of chassis is a three-position tone control, which provides selection of deep, mellow, or normal tone to suit personal preference. The deep tone position (extreme left when facing rear of chassis) is helpful in suppressing the effects of atmospheric and electrical disturbances.



FREQUENCY-RANGE SWITCH

This switch has two positions:—

For standard broadcasts, turn this knob to the left and refer to bottom scale on illuminated dial. This scale is numbered in kilocycles minus the last zero. For example, 70 on this scale is 700 kilocycles.

Some **police stations** operate in the section from 160 to 170 on this scale.

SHORT-WAVE RECEPTION

For short-wave reception, turn the frequency-range switch to the right, and refer to the upper scale on the dial. This scale is marked from 2.3 to 7.5 megacycles. (One megacycle equals 1000 kilocycles.)

On this short-wave scale you will find:—

Police stations at 2.4 to 2.5.

Amateur phone stations at 3.9 to 4.

Aircraft stations at 2.3 to 3.5 and 4.1 to 5.7.

Short-wave broadcast stations at 5.5 to 7.5 (this is the six-megacycle or 49-meter band).

Many domestic and foreign short-wave broadcast stations operate in the six-megacycle band. Reception in this band is generally best after dark.

It is essential to tune very slowly and carefully on the short-wave range. An almost imperceptible movement of the tuning knob is sufficient to pass through a weak short-wave station. In many cases you will find short-wave stations separated less than a hair-line apart on the dial.

Do not neglect weak stations, as these may frequently be brought in with good volume by more careful tuning.

ELECTRICAL INTERFERENCE

Electrical interference, originating from motors, street cars, automobile ignition systems, etc., is more pronounced on short waves than on the standard broadcast waves.

Naturally, if your short wave receiver is powerful enough to receive weak foreign stations, it will also pick up any electrical interference that is present in the neighborhood.

INSTALLATION INSTRUCTIONS

ANTENNA

An outside antenna is best, and we suggest a single wire between 50 and 100 feet total length, including lead-in. The antenna should be as high and clear as possible from surrounding objects. Both the antenna and lead-in should be erected away from sources of electrical noise, such as electric and telephone lines.

Connect the **antenna lead-in to the blue** wire at rear of chassis.

ANTENNA (Doublet type)

A standard single-wire antenna, as described above, will provide satisfactory reception in most locations, but for best reception we recommend use of the Atwater Kent type "D" doublet antenna and type "DT" doublet transformer. Complete instructions are furnished with the antenna.

TUBES (New Metal Type)

Insert tubes carefully in the sockets bearing numbers corresponding to those on tubes. Attach wires to the cap-type tubes as shown in illustration on front side of this sheet.

GROUND

A ground is required and should be made by running a wire from the back lead at rear of chassis to the nearest water pipe or radiator, using a ground clamp to provide good contact to the pipe.

CAUTION

This receiver is designed for use only on alternating current of the same volts and cycles as designated on set. Do not insert the plug into electric outlet until all tubes and speaker plug are in place, and do not remove tubes or speaker plug without first turning switch "off" or removing plug from electric outlet.

WARRANTY: Atwater Kent receivers are fully guaranteed by us in accordance with the warranty tag attached to the receiver. If you experience trouble, communicate with your dealer, who will make the necessary adjustment under the warranty terms.

ATWATER KENT MANUFACTURING COMPANY
PHILADELPHIA, PENNSYLVANIA

F-1300 8-35-Z Printed in U. S. A. Part No. 31306

ATWATER KENT RADIO LOG

CITY	STATION	DIAL
New Orleans	WWL	86
Chicago	WLS	87
Pittsburgh, Penn.	KDKA	99
Louisville, Ky.	WHAS	82
Schenectady, N.Y.	WHAM	113
Hartford, Conn.	WTIC	102
Atlanta, Ga.		74
Nashville, Tenn.	WSM	65
Cincinnati, O.	WLW	78

CITY	STATION	DIAL

— PARIS — LONDON — CARACAS — SYDNEY — MONTREAL — GENEVA — BOMBAY — BARRANQUILLA — ROME —

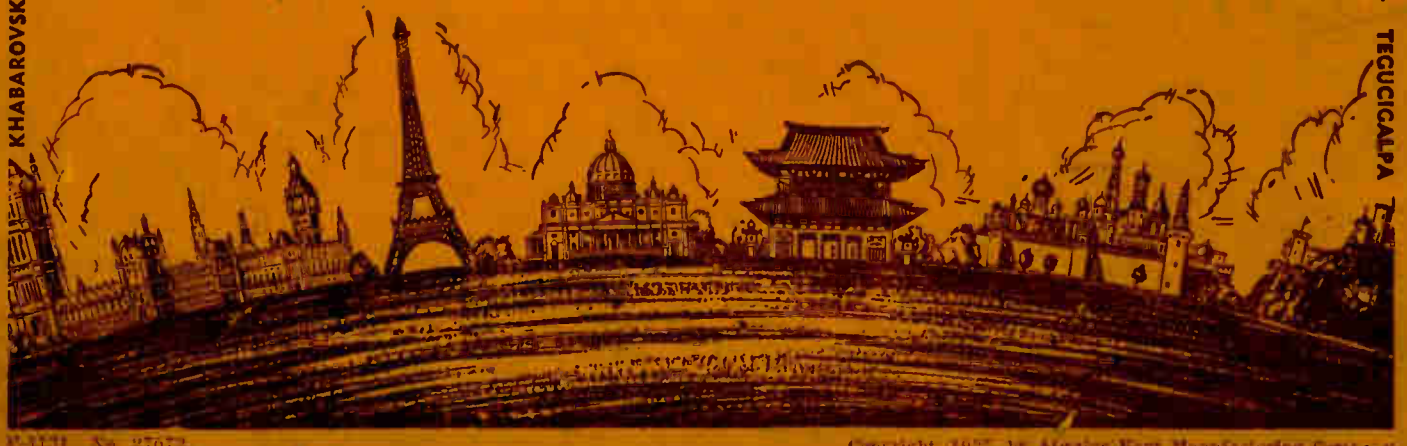
SCHENECTADY — HALIFAX — BANDOENG — JOHANNESBURG — CHICAGO — PEREDIA — FUNCHAL — TEGUCIGALPA

KHABAROVSK — NANKING — CALI — WELLINGTON — MOSCOW — BUCHAREST — RABAT — BOSTON — CALCUTTA — TOKIO

Around the World in a Split Second

With

ATWATER KENT
ALL WAVE RADIO



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