WESTINGHOUSE RADIO STATION DIRECTORY

STANDARD BROADCAST STATIONS OF CANADA U.S.A. MEXICO AND CUBA SHORT WAVE STATIONS OF THE WORLD

WESTINGHOUSE RADIO STATION DIRECTORY

A complete Radio Guide assures you of the utmost value and enjoyment from your new Radio.

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Canadian Westinghouse Co., Limited

INTERNATIONAL BROADCASTS

WHY SHORT WAVES?

Broadcasting as we know it to-day was inaugurated on the standard broadcast band by Westinghouse station KDKA in 1920. Four years later in 1924 it was shown that the hitherto unused "short waves" or "high frequencies" of radio had peculiar properties which enabled them to cover great distances in daylight as well as at night. It was also shown that this could be done with comparatively low power and with great freedom from atmospheric disturbances. This was directly contrary to accepted theory but it promised so much that investigation went ahead in leaps and bounds. Presently the short waves carried programs to Europe and Australia and the boom of Big Ben was soon heard around the world.

To-day the magic of the International Short Wave Broadcast is an essential feature of radio entertainment and the new Westinghouse World Cruiser Radio quite literally brings the world to your living room in a hundred fascinating ways.

Most listeners find their greatest enjoyment of the short waves in daylight reception of distant North American Stations and both day and night reception of European and Central and South American Broadcasts on the 49, 31, 25, 19 and 16 metre International Broadcast bands. There are programs in English from all the leading countries, and the newscasts are particularly interesting. Some of these are listed in the Notes on Schedules, and are readily tuned in from the powerful short wave stations of the world. With your Westinghouse World Cruiser Radio you may explore these bands for endless hours of fascinating and instructive entertainment.

WHEN TO TUNE

The Short Waves below 100 metres are generally not very effective within several hundred miles of their origin. Then for another several hundred miles they may not be heard by ground stations at all; and then for a thousand, two thousand or three thousand miles they are usually very effective indeed. The part of the earth's surface in which they are not received well, or not at all, is called the "skip distance" and varies with the amount of daylight, the wavelength, and also to a certain extent with the season of the year. Exceptional circumstances continually occur, however, and the laws of these circumstances are not yet fully known. Experience is the best guide as to the best time to tune foreign stations, though much helpful information is often given in newspapers and radio magazines. The remarks given below will prove of help.

49 METRE BAND

Generally speaking, this range will be found most useful after dark. In addition to the day and night broadcasting of American chain programs, this band is widely used for broadcasts in Central and South America as well as for European programs.

31 METRE BAND

This range is useful both day and night, over very great distances. It is freer from static than the 49 metre band, and is the range over which many special European broadcasts are addressed to North American audiences.

25 METRE BAND

Like the 31 metre band, this range is generally useful, both day and night, many European programs being broadcast over both ranges at the same time.

19 AND 16 METRE BANDS

There are a number of important world stations on this range, which is particularly useful during daylight, especially in the summer.

OTHER SERVICES

60 Metre Band — For aircraft, such as Trans. Canada Air Lines.

40 and 20 Metre Amateur Bands — used for radio telegraph and radio telephone by radio amateurs throughout the world.

Commercial Services — Between the short wave broadcast bands and the above services are hundreds, even thousands, of commercial stations on land and sea.

Changing conditions, whose laws are not yet fully understood, make the above list only approximately correct. Exceptions continually occur, and the time of day for best reception of particular stations can only be learned by experience.

THE CANADIAN WESTINGHOUSE COMPANY LIMITED

The history of the Canadian Westinghouse Company is one of progress with the development of industry in Canada. In the year 1900 less than 175,000 horsepower of electrical energy were developed from Canada's vast water power resources. Today over 8,000,000 horsepower are developed, and over half of this energy is produced from machines of Canadian Westinghouse manufacture.

It would be impossible in this small space to enumerate the great electrical developments with which Westinghouse has been associated. Canada's vast mining industry, its textile, steel, pulp and paper industries are dependent in a hundred ways on intricate electrical devices developed and produced by Westinghouse.

In two large plants at Hamilton, Ontario, the Canadian Westinghouse Company manufacture not only the enormous motors, generators and transformers used by industry, but also a complete line of electrical servants for the home: refrigerators, ranges, washing machines, radio receivers, radio tubes and lamps. These plants, covering 53 acres, employ upwards of 4000 people.

"Backed by the name Westinghouse" is no idle slogan. It stands for the soundest engineering principles and the utmost quality in workmanship and materials.

INTERNATIONAL SHORT-WAVE BROADCAST STATIONS

ARRANGED BY DIAL SETTING

(Frequency in Megacycles)

This list of Short Wave Stations includes all the services on the short waves between 60 and 16 metres. The dial or the Instruction Card of your radio tells exactly the services which your radio can pick up.

Freq. Mc.	Wavelength Metres	Call	Location		
villes i	49 METRE BAND				
5.790 5.824 5.945 5.950 6.000	51.75 51.50 50.46 50.37 49.97	TGS TIGPH TG2X HH2S XEBT RV59	Guatemala City, Guat. San Jose, Costa Rica Guatemala City, Guat Port-au-Prince, Haiti Mexico City, Mexico Moscow, U. S. S. R.		
6.005	49.95	CFCX HP5K	Montreal, P. Q. Colon, Panama		
6.010	49.92	CJCX PRA8	Sydney, N. S. Pernambuco, Brazil		
6.020 6.030	49.83 49.75	DJC HP5B CFVP	Berlin, Germany Panama City, Panama Calgary, Alta.		
6.040	49.67	HJ1ABG WRUL WDJM	Barranquilla, Col. Boston, Mass. Miami, Florida		
6.060	49.50	WCAB WLWO	Philadelphia, Pa. Cincinnati, Ohio		
6.070 6.080	49.42 49.34	CFRX DJM CKFX WCBI	Toronto, Ont. Berlin, Germany Vancouver, B. C. Chicago, Ill.		
6.090 6.097 6.100	49.26 49.20 49.18	CRCX ZRJ WNBI W9XF	Toronto, Ont. Johannesburg, S. Africa Bound Brook, N. J. Chicago, Ill.		
6.110 6.120	49.08 49.00	GSL WCBX HJ3CAX	London, England New York, N. Y. Bogota, Colombia		

Freq. Mc.	Wavelength Metres	Call	Location
6,130	48.91	CHNX	Halifax, N. S.
6.140	48.83	WPIT	Pittsburgh, Pa.
6.145	48.80	HJ4DAE	Medellin, Colombia
6.150	48.75	CJRO	Winnipeg, Man.
6.165	48.65	TILS	San Jose, Costa Rica
6.175	48.50	XEXA	Mexico City, Mexico
6.190	48.46	HVJ	Vatican City
00		KGEI	San Francisco, Calif.
		WGEO	Schenectady, N. Y.
6.235	48.09	HRD	La Ceiba, Honduras
6.245	48.00	HI1N	
6.296	47.62	OAX4G	Trujillo, D. R. Lima, Peru
6.310	46.70	HIZ	
6.312	46.70	ZP14	Trujillo, D. Rep. Villarica, Paraguay
6.620	45.29	PRADO	Rio Bamba, Ecuador
6.690	44.82	TIEP	San Jose, Costa Rica
7.380	40.60	XECR	Mexico City, Mexico
7.797	38.47	HBP	Geneva, Switzerland
8.820	34.00	HCJB	Quito, Ecuador
8.830	33.98	COCQ	Havana, Cuba
0.030	33.30	COCG	Havana, Cuba
		31 METR	E BAND
9.125	32.86	HAT4	Budapest, Hungary
9.415	31.82	PLV	Bandoeng, Java
9.437	31.80	СОСН	Havana, Cuba
9.465	31.70	TAP	Ankara, Turkey
9.500	31.56	OFD	Lahti, Finland
		PRF5	Rio de Janeiro, Brazil
		XEWW	Mexico City, Mexico
9,510	31.53	CXA8	Colonia, Uruguay
3.010	01.00	GSB	London, England
		VK3ME	Melbourne, Australia
9.520	31.49	OZF	Copenhagen, Denmark
		TPB13	Paris, France
		ZRG	Pretoria, S. Africa
9.530	31.46	WGEO	Schenectady, N. Y.
		KGEI	San Francisco, Calif.
		LKC	Oslo, Norway
9.535	31.45	JZI	Tokyo, Japan
9.540	31.43	DJN	Berlin, Germany
0.040	01.40	VPD2	Suva, Fiji
	04.40		
9.550	31.40	HVJ	Vatican City
		TPB11	Paris, France
		WGEA	Schenectady, N. Y.

Freq. Mc.	Wavelength Metres	Call	Location
9.560	31.36	OAX4T	Lima, Peru
9.570	31.33	WBOS	Boston, Mass.
		WPIT	Pittsburgh, Pa.
9.580	31.30	GSC	London, England
3.000	31.30	VLR	Melbourne, Australia
9.590	21 21	PCJ	
9.590	31.21	VK2ME	Huizen, Netherlands
			Sydney, Australia
		WCAB	Philadelphia, Pa.
		WLWO	Cincinnati, Ohio
9.595	31.25	RAN	Moscow, U.S.S.R.
		HBL	Geneva, Switzerland
9.610	31.20	DXB	Berlin, Germany
		HP5J	Panama City, Panama
0.000	04.40	ZRL	Johannesburg, S. Africa
9.620	31.18	HJ1ABP	Cartagena, Colombia
0.005	04.40	HAD	Budapest
9.635	31.12	12RO	Rome, Italy
9.645	31.09	VLW	Perth, Australia
9.650	31.07	WCBX	New York, N. Y.
9.660	31.04	HVJ	Vatican City
9.670	31.02	WRCA	Bound Book, N. J.
9.675	31.01	DJX	Berlin, Germany
9.690	30.96	TI4NRH	Heredia, Costa Rica
9.830	30.52	IRF	Rome, Italy
9.890	30.33	COCM HH3W	Port-au-Prince, Haiti
10.220	29.36	PSH	Havana, Cuba
10.220	29.02	ORK	Rio de Janeiro, Brazil
10.660	28.13	JVN	Brussels, Belgium
10.740	27.92	JVM	Tokyo, Japan
10.740	21.32	JVIVI	Tokyo, Japan
		25 METF	RE BAND
11.400	26.30	нво	Geneva, Switzerland
11.670	25.70	IQY	Rome, Italy
11.705	25.63	SBP	Stockholm, Sweden
11.715	25.59	TPA4	Paris, France
11.720	25.58	CJRX	Winnipeg, Man.
11.730	25.56	PHI	Amsterdam, Netherlands
		WRUL	Boston, Mass.
11.740	25.53	HVJ	Vatican City
11.750	25.52	GSD	London, England
11.760	25.51	TGWA	Guatemala City, Guat.
11.770	25.47	DJD	Berlin, Germany
11.780	25.45	HP5G	Panama City, Panama
11.790	25.43	WRUL	Boston, Mass.
11.800	25.42 25.39	DJZ I2RO	Berlin, Germany Rome, Italy

Mc.	Wavelength Metres	Call	Location
	25 M	ETRE BA	ND (Continued)
11.820	25.36	GSN	London, England
11.830	25.34	WCBX	New York City, N. Y.
		WCBI	Chicago, Ill.
11.840	25.32	OLR4A	Prague, Bohemia
11.850	25.31	HAD	Budapest, Hungary
11 860	25.30	GSE	London, England
11.870	25.28	WPIT	Pittsburgh, Pa.
11.880	25.25	VLR3	Melbourne, Australia
11.885	25.23	TPB12	Paris, France
11.900	25.22	12RO	Rome, Italy
		XGOY	Chunking, China
11.930	25.15	PPH	Rio de Janeiro, Brazil
12.235	24.52	TFJ	Reykjavik, Iceland
	1000	19 METR	E BAND
15.110	19.84	DJL	Berlin, Germany
15.120	19.83	HVJ	Vatican City
15.130	19.82	WRUL	Boston, Mass.
15.140	19.80	GSF	London, England
15.160	19.77	JZK	Tokyo, Japan
15.170	19.76	TGWA	Guatemala City, Guat.
		CXA14	Oslo, Norway
15.180	19.75	GSO	London, England
15.195	19.74	TAQ	Ankara, Turkey
15.200	19.73	DJB	Berlin, Germany
15.210	19.71	WPIT	Pittsburgh, Pa.
15.220	19.70	PCJ	Huizen, Netherlands
15.245	19.67	TPA2	Paris, France
15.260	19.65	GSI	London, England
15.270	19.64	WCBX	New York, N. Y.
15.280	19.63	DJQ	Berlin, Germany
15.290	19.61	LRU	Buenos Aires, Argentina
15.300	19.60	12RO	Rome, Italy
15.310	19.58	GSP	London, England
15.330	19.56	KGEI	San Francisco, Calif.
15.340	19.55	DJR	Berlin, Germany
		16 METE	RE BAND
17.760	16.88	DJE	Berlin, Germany
17.770	16.87	PHI	Amsterdam, Netherlands
17.780	16.86	WNBI	Bound Brook, N. J.
17.785	16.86	JZL	Tokyo, Japan
17.790	16.85	GSG	London, England
17.800	16.84	TGWA	Guatemala City, Guat.
17.810	16.83	GSV	London, England
17.830	16.81	WCBX	New York, N. Y.
17.840	16.80	HVJ	Vatican City
17.850	16.79	TPB3	Paris, France

INTERNATIONAL SHORT-WAVE BROADCAST STATIONS

ARRANGED ALPHABETICALLY BY CALL LETTERS

Call	Freq. Mc.	Location
CFCX	6.005	Montreal, Quebec
CFRX	6.070	Toronto, Ontario
CFVP	6.030	Calgary, Alberta
CHNX	6.130	Halifax, N. S.
CKFX	6.080	Vancouver, B. C.
CJCX	6.010	Sydney, N. S.
CJRO	6.150	Winnipeg, Manitoba
CJRX	11.720	Winnipeg, Manitoba
СОСН	9.437	Havana, Cuba
COCQ	8.830	Havana, Cuba
COCM	9.985	Havana, Cuba
CRCX	6.090	Toronto, Ont.
CXA8	9.510	Colonia, Uruguay
CXA14	15.170	Oslo, Norway
DJB	15.200	Berlin, Germany
DJC	6.020	Berlin, Germany
DJD	11.770	Berlin, Germany
DJE	17.760	Berlin, Germany
DJL	15.110	Berlin, Germany
DJM	6.080	Berlin, Germany
DJN	9.540	Berlin, Germany
DJQ	15.280	Berlin, Germany
DJR	15.340	Berlin, Germany
DJX	9.675	Berlin, Germany
DJZ	11.800	Berlin, Germany
DXB	9.610	Berlin, Germany
GSB	9.510	London, England
GSC	9.580	London, England
GSD	11.750	London, England
GSF	15.140	London, England
GSG	17.790	London, England
GSE	11.860	London, England
GSI	15 260	London, England
GSL	6.110	London, England
GSN	11.820	London, England
GSO	15.180	London, England
GSP	15.310	London, England
GSV	17.810	London, England
HAD	11.850	Budapest, Hungary
HAD	9.620	Budapest, Hungary
HAT4	9.125	Budapest, Hungary

Call	Freq. Mc.	Location
HBL	9.595	Geneva, Switzerland
НВО	11.400	Geneva, Switzerland
НВР	7.797	Geneva, Switzerland
НСЈВ	8.820	Quito, Ecuador
HH2S	5.950	Port-au-Prince, Haiti
HH3W	9.890	Port-au-Prince, Haiti
HIZ	6.310	Trujillo, D. Rep.
HIIN	6.245	Trujillo, D. Rep.
HJ1ABG	6.040	Barranquilla, Columbia
HJ1ABP	9.620	Cartagena, Colombia
HJ3CAX	6.120	Bogota, Colombia
HJ4DAE	6.145	Medellin, Colombia
HP5B	6.030	Panama City, Panama
HP5G	11.780	Panama City, Panama
	9.610	Panama City, Panama
HP5J	6.005	Colon, Panama
HP5K	6.235	La Ceiba, Honduras
HRD		
HVJ	6.190	Vatican City
HVJ	9.550	Vatican City
HVJ	9.660	Vatican City
HVJ	11.740	Vatican City
HVJ	15.120	Vatican City
HVJ	17.840	Vatican City
I2RO	9,635	Rome, Italy
I2RO	11.810	Rome, Italy
I2RO	11.900	Rome, Italy
I2RO	15.300	Rome, Italy
IQY	11.670	Rome, Italy
IRF	9.830	Rome, Italy
JVM	10.740	Tokyo, Japan
JVN	10.660	Tokyo, Japan
JZI	9.535	Tokyo, Japan
JZK	15.160	Tokyo, Japan
JZL	17.785	Tokyo, Japan
KGEI	6.190	San Francisco, Calif.
KGEI	9.530	San Francisco, Calif
KGEI	15.330	San Francisco, Calif.
LKC	9.530	Oslo, Norway
LRU	15.280	Buenos Aires, Argentina
OAX4T	9.560	Lima, Peru
OFD OFD	9.500	Lahti, Finland
OLR4A	11.840	Prague, Bohemia
ORK	10.330	Brussels, Belgium
OZF	9.520	Copenhagen, Denmark
PCJ PCJ	9.590	Huizen, Netherlands Huizen, Netherlands
Pf	15.220	nuizen, iverneriands

Call	Freq. Mc.	Location
PHI	17,770	Amsterdam, Netherlands
PHI	11.730	Amsterdam, Netherlands
PLV	9,415	Bandoeng, Java
PPH	11.930	Rio de Janeiro, Brazil
PRADO	6.620	Rio Bamba, Ecuador
PRA8	6.010	Pernambuco, Brazil
PRF5	9.500	Rio de Janeiro, Brazil
PSH	10.220	Rio de Janeiro, Brazil
RAN	9.595	Moscow, U. S. S. R.
RV59	6.000	Moscow, U. S. S. R.
SBP	11.705	Stockholm, Sweden
TAP	9.465	Ankara, Turkey
TAQ	15.195	Ankara, Turkey
TFJ	12.235	Reykjavik, Iceland
TGS	5.790	Guatamala City, Guat.
TGWA	11.760	Guatemala City, Guat.
TGWA	15.170	Guatemala City, Guat
TGWA	17.800	Guatemala City, Guat
TG2X	5.945	Guatemala City, Guat
TIEP	6.690	San Jose, Costa Rica
TIGPH	5.824	San Jose, Costa Rica
TILS	6.165	San Jose, Costa Rica
TI4NRH	9.690	Heredia, Costa Rica
TPA2	15.245	Paris, France
TPB3	17.850	Paris, France
TPB12	11.885	Paris, France
TPA4	11.715	Paris, France
TPBII TPB13	9.550 9.520	Paris, France
		Paris, France
VK2ME	9.590	Sydney, Australia
VK3ME	9.510	Melbourne, Australia
VLW	9.645	Perth, Australia
VLR3	9.580 11.880	Melbourne, Australia
VPD2	9.540	Melbourne, Australia
VIDZ	9.550	Suva, Fiji Bombay, India
WBOS	9.570	Boston, Mass.
WCAB	6.060	Philadelphia, Pa.
WCAB	9.590	Philadelphia, Pa.
WCBI	6.080	Chicago, Ill.
WCBI	11.830	Chicago, Ill.
WGEA	6.040	Miami, Florida
WGEO	9.550 6.190	Schenectady, N. Y.
WGEO	9.530	Schenectady, N. Y. Schenectady, N. Y.
WLWO	6.060	Cincinnati, Ohio
WLWO	9.590	Cincinnati, Ohio
	3.030	Cincinnati, Onio

Call	Freq. Mc.	Location
WNBI	17.780	Bound Brook, N. J.
WNBI	6.100	Bound Brook, N. J.
WPIT	6.140	Pittsburgh, Pa.
WPIT	9.570	Pittsburgh, Pa.
WPIT	11.870	Pittsburgh, Pa.
WPIT	15.210	Pittsburgh, Pa.
WRCA	9.670	Bound Brook, N. J.
WRUL	6.040	Boston, Mass.
WRUL	11.790	Boston, Mass.
WRUL	11.730	Boston, Mass.
WRUL	15.130	Boston, Mass.
WCBX	6.120	New York, N. Y.
WCBX	9.650	New York, N. Y.
WCBX	15.270	New York, N. Y.
WCBX	17.830	New York, N. Y.
XEBT	6.000	Mexico City, Mexico
XECR	7.380	Mexico City, Mexico
XEWW	9.500	Mexico City, Mexico
XEXA	6.175	Mexico City, Mexico
XGOY	11.900	Chungking, China
ZPI4	6.312	Villarica, Paraguay
ZRG	9.520	Pretoria, S. Africa
ZRJ	6.097	Johannesburg, S. Africa
ZRL	9.610	Johannesburg, S. Africa

NOTES ON SHORT-WAVE SCHEDULES

COVERING BROADCASTS IN ENGLISH
MAINLY

(ALL TIMES EASTERN STANDARD)

LONDON

Most of the programs in English from London may be tuned in at the following times daily:

TRANS. No. 1: From 1:00 A.M. to 5:00 A.M. on 9.510, 11.750, 15.140, 15.260 and 15.310 Mc.

TRANS. No. 2: From 5:45 A.M. to 10:15 A.M. on 11.750, 11.860 and 15.140 Mc.

TRANS. No. 3: From 5:45 A.M. to 11:45 A.M. on 11.750, 11.860 and 15.140 Mc.

TRANS. No. 4: From 12:20 P.M. to 3:30 P.M. and from 3:30 P.M. to 6:00 P.M. on 9.580, 11.750, 15.140 and 15.310 Mc.

TRANS. No. 5: From 6:20 P.M. to 9:15 P.M. on 9.510, 9.580, 11.750 and 15.140 Mc.

TRANS. No. 6: From 9:30 P.M. to 12:00 Midnight on 9.510 and 11.750 Mc.

There are several other transmissions from London in some fourteen different languages for propaganda purposes but these have not been listed.

PARIS

The Paris Stations now handle the programs from Berlin, often without separate station identification.

Sometimes the Paris Station is called "Station Y". It is on the air from 7.00 A.M. for most of the day.

ROME

Rome is heard from 12:10 P.M. to 2:50 P.M. on 9.635 and 11.810 Mc., with news in English around 1:30 P.M.

There is another broadcast in English from 7:30 P.M. to 8:30 P.M. on 9.635 and 11.810 Mc.

BERLIN

The programs in English from Germany are as follows: From 6:00 A.M. to 9:00 A.M. on 15.200 Mc., with news in English at 6:45 A.M. and 8:30 A.M.

From 4:00 P.M. to 1:00 A.M. on 15.110, 11.770 and 9.610 Mc., with news in English at 3:45 P.M., 4:15P.M. and at midnight.

Latest program changes are given at 4:55 P.M. on 11 770 and 9.610 Mc.

WORLD TIME ZONES

NORTH AMERICAN TIME

The Time Zones are based on Eastern Standard Time, which is five hours slower than Greenwich Mean Time.

Atlantic Time - 1 hour faster than Eastern Time.

Central Time — 1 hour slower than Eastern Time.

Mountain Time - 2 hours slower than Eastern Time.

Pacific Time - 3 hours slower than Eastern Time.

Alaskan Time - 4 hours slower than Eastern Time.

GREENWICH TIME

5 hours faster than Eastern Standard Time, and the time on which all other times are based. Used in Great Britain, France, Belgium, Spain, Portugal, and West Africa.

MIDDLE EUROPEAN TIME

6 hours faster than Eastern Time, 1 hour faster than Greenwich Time. Used in Scandinavian countries, Germany, Hungary, Switzerland, Italy and Central Africa.

EASTERN EUROPEAN TIME

7 hours faster than Eastern Time, 2 hours faster than Greenwich Time. Used in European USSR, Rumania, Bulgaria, Greece, Turkey, Syria, Palestine, Egypt, Sudan, East and South Africa.

INDIAN TIME

 $10\frac{1}{2}$ hours faster than Eastern Time, $5\frac{1}{2}$ hours faster than Greenwich Time.

East China, Western Australia, etc., use a time 13 hours faster than Eastern Time, 8 hours faster than Greenwich Time.

Japan, Korea, Central Australia use a time 14 hours faster than Eastern Time, 9 hours faster than Greenwich Time.

Eastern Australia uses a time 15 hours faster than Eastern Time, 10 hours faster than Greenwich Time.

New Zealand Standard Time is $16\frac{1}{2}$ hours faster than Eastern Time.

DAYLIGHT SAVING TIME

Many of the important cities of the world have advanced their time from 1 to 2 hours. Consult your daily paper for these changes.

NORTH AMERICAN STANDARD BROADCAST STATIONS

ARRANGED ACCORDING TO DIAL SETTING (Frequency)

It is important to know that there are over 1000 standard broadcast stations in North America. In theory, for perfect reception, each one of these stations should have a separate wave channel. There are, however, only 98 standard wave channels available, and consequently most of them have to carry the programs of from two to more than 50 stations. Most of these stations are very low powered, but under ideal winter conditions they may be heard strongly enough in Canada to interfere with the large stations usually received.

Freq. Kc.	Call	Location
540	CBK	Watrous, Sask.
550	CFNB	Fredericton, N. B.
550	WGR	Buffalo, N. Y.
550	KFYR	Bismarck, N. D.
550	WKRC	Cincinnati, Ohio
550	KOAC	Corvallis, Ore.
550	WDEV	Waterbury, Vt.
560	KLZ	Denver, Colo.
560	WIND	Gary, Ind.
560	WGAN	Portland, Me.
560	WIS	Columbia, S. C.
560	CJKL	Kirkland Lake, Ont.
570	WSYR	Syracuse, N. Y.
570	WOSU	Columbus, Ohio
570	WNAX	Yankton, S. D.
570	KGKO	Fort Worth, Texas
570	KVI	Tacoma, Wash.
580	KMJ	Fresno, Calif.
580	WDBO	Orlando, Fla
580	CKUA	Edmonton, Alta.
580	CKPR	Port Arthur, Ont.
580	CKCL	Toronto, Ont.
580	WILL	Urbana, Ill.
580	WIBW	Topeka, Kans.
580	WCHS	Charleston, W. Va.

Freq. Kc.	Call	Location
590	КСМВ	Honolulu, Hawaii
590	WEEL	Boston, Mass.
590	wow	Omaha, Neb.
590	KHQ	Spokane, Wash.
600	KFSD	San Diego, Calif.
600	WMT	Cedar Rapids, Iowa
600	WREC	Memphis, Tenn.
600	CJOR	Vancouver, B. C.
600	CFQC	Saskatoon, Sask.
600	CFCF	Montreal, P. Q.
610	CJAT	Trail, B. C.
610	CHNC	New Carlisle
610	KFAR	Fairbanks, Alaska
610	KFRC	San Francisco, Calif.
610	WIOD	Miami, Fla.
610	WDAF	Kansas City, Mo.
610	WIP	Philadelphia, Pa.
620	CKCK	Regina, Sask.
620	KTAR	Phoenix, Arizona
620	WSUN	St. Petersburg, Fla.
620	WAGE	Salina, N. Y.
620	KGW	Portland, Ore.
620	WKAQ	San Juan, Puerto Rica
620	WTMJ	Milwaukee, Wis.
630	WMAL	Washington, D. C.
630	кхок	St. Louis, Mo.
630	WPRO	Providence, R. I.
630	CFCY	Charlottetown, P. E. I.
630	CFCO	Chatham, Ont.
630	CKOV	Kelowna, B. C.
630	CJRC	Winnipeg, Man.
640	KFI	Los Angeles, Calif.
640	WOI	Ames, Iowa
		27 1 111 177
650	WSM	Nashville, Tenn.
660	WEAF	New York, N. Y.
670	WMAQ	Chicago, Ill.
680	KPO	San Francisco, Calif.
680	WLAW	Lawrence, Mass.
	WPTF	Raleigh, N. C.
680	WEIF	Raicigii, IV. C.

Kc.	Call	Location
690	CBF	Montreal, P. Q.
7 00	WLW	Cincinnati, Ohio
710	KMPC	Beverly Hills, Calif.
710	WOR	New York City, N. Y.
710	KIRO	Seattle, Wash.
/10 - 1 WA	KINO	Scattle, Wash.
720	WGN	Chicago, Ill.
730	CKAC	Montreal, P. Q.
740	KQW	San José, Calif.
740	CBL	Toronto, Ont.
750	WSB	Atlanta, Ga.
1		
760	WJR	Detroit, Mich.
770	WLB	Minneapolis, Minn.
770	WCAL	Northfield, Minn.
770	WJZ	New York City, N. Y.
770	KXA	Seattle, Wash.
and the		
780	WBBM	Chicago, Ill.
790	KECA	Los Angeles, Calif.
790	KGHL	Billings, Mont.
790	WEAN	Providence, R. I.
790	WTAR	Norfolk, Va.
790	CKSO	Sudbury, Ont.
800	CKLW	Windsor, Ont.
810	KGO	San Francisco, Calif.
810	WGY	Schenectady, N. Y.
820	WFAA	Dallas, Texas
820	WBAP	Fort Worth, Texas
830	wcco	Minneapolis, Minn.
840	WHAS	Louisville, Ky.
850	KOA	Denver, Colo.
850	WRUF	Gainesville, Fla
850	KFUO	Clayton, Mo.
860	CFRB	Toronto, Ont

req. Kc.	Call	Location	
870	WWL	New Orleans, La.	
870	WKAR	East Lansing, Mich.	
870	WHCU	Ithaca, N. Y.	
880	WABC	New York City, N. Y.	
890	WENR	Chicago, Ill.	
890	WLS	Chicago, Ill.	
900	CJBR	Rimouski, P. Q.	
900	CHML	Hamilton, Ont.	
900	СКВІ	Prince Albert, Man.	
910	СВО	Ottawa, Ont.	
910	CFJC	Kamloops, B. C.	
910	WFDF	Flint, Mich.	
020	KARK	Little Rock, Ark.	
920	WJAR	Providence, R. I.	
920	KFPY	Spokane, Wash.	
920	WMMN	Fairmont, W. Va.	
320		z dimone, **. v d.	
930	CJCA	Edmonton, Alta.	
930	KHJ	Los Angeles, Calif.	
930	WBEN	Buffalo, N. Y.	
930	WKY	Oklahoma City, Okla.	
930	WLBL	Stevens Point, Wis.	
940	WMAZ	Macon, Ga.	
940	СВМ	Montreal, P. Q.	
950	KFEL	Denver, Colo.	
950	WWJ	Detroit, Mich.	
950	WPEN	Philadelphia, Pa.	
950	KPRC	Houston, Texas	
950	Комо	Seattle, Wash.	
960	WBRC	Birmingham, Ala.	
960	WDBJ	Roanoke, Va.	
960	CFAC	Calgary, Alta.	
960	CHNS	Halifax, N. S.	
970	WAVE	Louisville, Ky.	
970	WCSH	Portland, Me.	
970	WDAY	Fargo, N. D.	
970	KOIN	Portland, Ore.	
970	WHA	Portland, Ore. Madison, Wis.	

Freq.	Call	Location	Freq. Kc.	Call	Location
980	KFWB	Los Angeles, Calif.	1140	KSOO	Sioux Falls, S. D.
980	WRC	Washington, D. C.	1140	WRVA	Richmond, Va.
980	KMBC	Kansas City, Mo.	11-0	WIIIWA	Richmond, va.
980	CJRM	Regina, Sask.	1150	WDEL	Wilmington Del
980	CBV	Quebec, P. Q.	1150	WJBO	Wilmington, Del.
980	CKWX	Vancouver, B. C.	1150	KRSC	Baton Rouge, La.
			1150		Seattle, Wash.
990	CKY	Winnipeg, Man.		WISN	Milwaukee, Wis.
			1150	CKX	Brandon, Man.
1000	WCFL	Chicago, Ill.	1150	СКОС	Hamilton, Ont.
1000	KJR	Seattle, Wash.	1150	CHSJ	St. John, N. B.
1000			4400		
1010	CFCN	Calgary, Alta.	1160	MJJD	Chicago, Ill.
1010	CBY	Toronto, Ont.	1160	KSL	Salt Lake City, Utah
1010			****		
1020	KDKA	Pittsburgh, Pa.	1170	KVOO	Tulsa, Okla.
1020	Roma		1170	WWVA	Wheeling, W. Va.
1030	WBZ	Boston, Mass.			
	КОВ	Albuquerque, New Mexico	1180	WHAM	Rochester, N. Y.
1030	KOB	zanouquo, quo,			
4040	WHO	Des Moines, Ia.	1190	wowo	Fort Wayne, Ind.
1040	WHO	Des Womes, 24.	1190	KEX	Portland, Ore.
	WWW	Philadelphia, Pa.			
1060	KYW	Filliadelphia, 1 a.	1200	WOAI	San Antonia, Texas
	WADI	Birmingham, Ala.			
1070	WAPI	Los Angeles, Calif.	1210	WCAU	Philadelphia, Pa.
1070	KNX	Sackville, N. B.			
1070	CBA	Sackvine, N. D.	1220	CHAB	Moose Jaw, Sask.
	14710	Heatford Conn			
1080	WTIC	Hartford, Conn.	1230	CJCJ	Calgary, Alta.
1080	KRLD	Dallas, Texas	1230	CFCH	North Bay, Ont.
		VV & Cominger Metional Pla	1230	CKNX	Wingham, Ont.
1090	KTHS	Hot Springs National Pk.,	1230	CKTB	St. Catharines, Ont.
		Ark.	1230	CHGB	Ste. Anne de la Pocatière,
1090	WBAL	Baltimore, Md.			P. Q.
			1230	CKVD	Val d'Or, P. Q.
1100	WTAM	Cleveland, Ohio			
			1240	CFPR	Prince Rupert, B. C.
1110	WCBD	Chicago, Ill.	1240	CBJ	Chicoutimi, P. Q.
1110	WMBI	Chicago, Ill.	1240	СКМС	Cobalt, Ont.
1110	KFAB	Lincoln, Neb.	1240	CJCS	Stratford, Ont.
1110	WBT	Charlotte, N. C.	1240	СКСН	Hull, P. Q.
			1240	CHLT	Sherbrooke, P. Q.
1120	KMOX	St. Louis, Mo.	1240	CKNB	Campbellton, N. B.
			1240	Ollino	Campbellion, IV. D.
1130	KWKH	Shreveport, La.	1250	WDAE	Tampa, Fla.
1130	WCAR	Pontiac, Mich.	1250	WCAE	Pittsburgh, Pa.
1130	WDGY	Minneapolis, Minn.	1250	KWSC	Pullman, Wash.
1130	wov	New York City, N. Y.	1250	KWT	
1130	CBR	Vancouver, B. C	1230	LYAN I	Seattle, Wash.

Kc.	Call	Location	Freq. Kc.	Call	Location
200	WEDM	Indiananolia Ind	V		
60	WFBM	Indianapolis, Ind.	1360	WDRC	Hartford, Conn.
60	WNAC	Boston, Mass.	1360	KSCJ	Sioux City, Iowa
60	KGBX	Springfield, Mo.	1360	WSAI	Cincinnati, Ohio
60	CFRN	Edmonton, Alta.	1360	КМО	Tacoma, Wash.
70	WUDE	Beels Island III	1360	WTAQ	Green Bay, Wis.
70	WHBF	Rock Island, Ill.			
70	WXYZ	Detroit, Mich.	1370	KGIR	West of Butte, Mont.
70	KFJZ	Fort Worth, Texas	1370	WFEA	Manchester, N. Ham
70	CJCB	Sydney, N. S.	1370	WSPD	Toledo, Ohio
80	WDSU	New Orleans, La.	1380	KWK	St. Louis, Mo.
80	WNEW	New York City, N. Y.	1380	WBNX	New York City, N. Y
			1380	CKPC	Brantford, Ont.
90	KUOA	Siloam Springs, Ark.		0	Diantiora, Onc.
90	KOIL	Omaha, Neb.	1390	WFBL	Syracuse, N. Y.
90	WHLD	Niagara Falls, N. Y.	1390	KLPM	Minot, N. D.
90	WHIO	Dayton, Ohio			141110c, 14. D.
90	WKNE	Keene, N. Hamp.	1400	CJOC	Lethbridge, Alta.
			1400	CFAR	Flin Flon, Man.
00	WFBR	Baltimore, Md.	1400	CKRN	Rouyn, P. Q.
00	WASH	Grand Rapids, Mich.	1400	CHRC	Quebec, P. Q.
00	WOOD	Grand Rapids, Mich.	1400	CKCW	Moncton, N. B.
0	KOL	Seattle, Wash.	1400	CFOS	Owen Sound, Ont.
10	KFBB	Great Falls, Mont.			
10			1410	СКМО	Vancouver, B. C.
0	WDOD	Chattanooga, Tenn.	1410	WALA	Mobile, Ala.
10	WRR	Dallas, Texas	1410	WING	Dayton, Ohio
10	WIBA	Madison, Wis.	1410	WKBH	LaCrosse, Wis.
20	WEBC	Duluth, Minn.	1420	KLRA	Little Rock, Ark.
20	WJAS	Pittsburgh, Pa.	1420	WHK	Cleveland, Ohio
20	WNEL	San Juan, Puerto Rico	1420	KABR	Aberdeen, S. D.
20	KTRH	Houston, Texas			1100140011, 51 21
20	KDYL	Salt Lake City, Utah	1430	WIRE	Indianapolis, Ind.
			1430	KTUL	Tulsa, Okla.
30	KFH	Wichita, Kans.	1430	KLO	Ogden, Utah
30	KALE	Portland, Ore.			
30	WFBC	Greenville, S. Carolina	1440	WAAB	Boston, Mass.
10	сксо	Ottawa, Ont.	1450	CKLN	Nelson, B. C.
10 10	CKCV	Quebec, P. Q.	1450	CKCA	Kenora, Ont.
	CHCK	Charlottetown, P. E. I.	1450	CHLN	Three Rivers, P. Q.
10		Yarmouth, N. S.	1450	CFLC	Prescott, Ont.
10	CJLS				
10	CFGP	Grande Prairie, Alta.	1460	KINY	Juneau, Alaska
40	CHWK	Chilliwack, B. C.	1460	KGEZ	Kalispell, Mont.
-0	KONT	Des Moines, Iowa	1460	CJGX	Yorkton, Sask.
50	KRNT				
0	WSMB	New Orleans, La.		WBIG	Greensboro, N. C.
50	WADC	Akron, Ohio		CKGB	Timmins, Ont.

Freq. Kc.	Call	Location
1480	WGAR	Cleveland, Ohio
1480	CFCT	Victoria, B. C.
1480	CHGS	Summerside, P. E. I.
1490	CKCR	Waterloo, Ont.
1490	CFRC	Kingston, Ont.
1490	CHLP	Montreal, P. Q.
1490	CJIC	Sault Ste. Marie, Ont.
1430	0010	Sault Ste. Marie, Oil.
1500	WJSV	Washington, D. C.
1500	KSTP	St. Paul, Minnesota
1000	Kon	St. I aui, Willinesota
1510	WMEX	Boston, Mass.
1510	WLAC	Nashville, Tenn.
1510	KGA	Spokane, Wash.
1520	WHIP	Hammond, Indiana
1520	WKBW	Buffalo, N. Y.
1520	KOMA	Oklahoma City, Okla.
1530	KFBK	Sacramento, Calif.
1530	WCKY	Cincinnati, Ohio
1560	WQXR	New York City, N. Y.
1570	CFPL	London, Ont.
1590	WBRY	Waterbury, Conn.
1590	WAKR	Akron, Ohio

NORTH AMERICAN STANDARD BROADCAST STATIONS

ARRANGED ALPHABETICALLY ACCORDING TO CALL LETTERS

CANADIAN STATIONS

Call	Freq. Kc.	Location
CBA	1070	Sackville, N. S.
CBF	690	Montreal, P. Q.
CBJ	1240	Chicoutimi, P. Q.
CBK	540	Watrous, Sask.
CBL	740	Toronto, Ont.
CBM	940	Montreal, P. Q.
СВО	910	Ottawa, Ont.
CBR	1130	Vancouver, B. C.
CBV	980	Quebec, P. Q.
CBY	1010	Toronto, Ont.
0540		
CFAC	960	Calgary, Alta.
CFAR	1400	Flin Flon, Manitoba
CFCF	600	Montreal, P. Q.
CFCH	1230	North Bay, Ont.
CFCN	1010	Calgary, Alta.
CFCO	630	Chatham, Ont.
CFCT	1480	Victoria, B. C.
CFCY	630	Charlottetown, P. E. I.
CFGP	1340	Grand Prairie, Alta.
CFJC	910	Kamloops, B. C.
CFLC	1450	Prescott, Ont.
CFNB	550	Fredericton, N. B.
CFOS	1400	Owen Sound, Ont.
CFPL	1570	London, Ont.
CFPR	1240	Prince Rupert, B. C.
CFQC	600	Saskatoon, Sask.
CFRB	860	Toronto, Ont.
CFRC	1490	Kingston, Ont.
CFRN	1260	Edmonton, Alta.
СНАВ	1220	Moose Jaw, Sask.
CHCK	1340	Charlottetown, P. E. I.
CHGB	1230	St. Anne de Pocatiere, P. Q.
CHGS	1480	Summerside, P. E. I.
CHLN	1450	Three Rivers, P. Q.
CHLP	1490	Montreal, P. Q.
CHLT	1240	Sherbrooke, P. Q.
CHML	900	Hamilton, Ont.
OTTIVIL	300	Hallillon, Onc.

Call	Freq. Kc.	Location
CHNC	610	New Carlisle, P. Q.
CHNS	960	Halifax, N. S.
CHRC	1400	Quebec, P. Q.
CHSJ	1150	St. John, N. B.
CHWK	1340	Chilliwack, B. C.
CJAT	610	Trail, B. C.
CJBR	900	Rimouski, P. Q.
CJCA	930	Edmonton, Alta.
CJCB	1270	Sydney, N. S.
C1C1	1230	Calgary, Alta.
CJCS	1240	Stratford, Ont.
CJGX	1460	Yorkton, Sask.
CIIC	1490	Sault Ste. Marie, Ont.
CJKL	560	Kirkland Lake, Ont.
CJLS	1340	Yarmouth, N. S.
Cloc	1400	Lethbridge, Alta.
CJOR	600	Vancouver, B. C.
CJRC	630	Winnipeg, Man.
CJRM	980	Regina, Sask.
CKAC	730	Montreal, P. Q.
CKBI	900	Prince Albert, Sask.
CKCA	1450	Kenora, Ont.
CKCH	1240	Hull, P. Q.
CKCK	620	Regina, Sask.
CKCL	580	Toronto, Ont.
CKCO	1340	Ottawa, Ont.
CKCR	1490	Waterloo, Ont.
CKCV	1340	Quebec, P. Q.
CKCW	1400	Moncton, N. B.
CKGB	1470	Timmins, Ont.
CKLN	1450	Nelson, B. C.
CKLW	800	Windsor, Ont.
CKMC	1240	Cobalt, Ont.
CKMO	1410	Vancouver, B. C.
CKNB	1240	Campbellton, N. B.
CKNX	1230	Wingham, Ont.
СКОС	1150	Hamilton, Ont.
CKOV	630	Kelowna, B. C.
CKPC	1380	Brantford, Ont.
CKPR	580	Port Arthur, Ont.
CKRN	1400	Rouyn, P. Q.
CKSO	790	Sudbury, Ont.
СКТВ	1230	St. Catharines, Ont.
CKUA	580	Edmonton, Alta.
CKVD	1230	Val d'Or, P. Q.
CKWX	980	Vancouver, B. C.
CKX	1150	Brandon, Man.
CKY	990	Winnipeg, Man.

UNITED STATES STATIONS

Call	Freq. Kc.	Location
KALE	1330	Portland, Ore.
KDKA	1020	Pittsburgh, Pa.
KDYL	1320	Salt Lake City, Utah
KEX	1190	Portland, Ore.
KFAB	1110	Lincoln, Neb.
KFBB	1310	Great Falls, Mont.
KFBI	1070	Abilene, Kans.
KFBK	1530	Sacramento, Calif.
KFDY	790	Brookings, S. D.
KFEQ	680	St. Joseph, Mo.
KFI	640	Los Angeles, Calif.
KFJM	1440	Grand Forks, N. D.
KFPY	920	Spokane, Wash.
KFRC	610	San Francisco, Calif.
KFVD	1020	Los Angeles, Calif.
KFYR	550	Bismark, N. D.
KFWB	980	Los Angeles, Calif.
KGA	1500	Spokane, Wash.
KGCX	1480	Wolf Point, Mont.
KGER	1390	Long Branch, Calif.
KGHL	790	Billings, Mont.
KGIR	1370	Butte, Mont.
KGNF	1460	North Platte, Neb.
KGO	810	San Francisco, Calif.
KGVO	1290	Missoula, Mont.
KGW	620	Portland, Ore.
KHQ	590	Spokane, Wash.
KIDO	1380	Boise, Idaho
KIRO	710	Seattle, Wash.
Killo	110	Scattic, Wasii.
KJR	1000	Seattle, Wash.
KLX	910	Oakland, Calif.
KLZ	560	Denver, Colo.
L'ANDA I	750	
KMMJ	750	Clay Center, Neb.
KMO	1360	Tacoma, Wash.
KMOX	1120	St. Louis, Mo.
KMTR	570	Los Angeles, Calif.
KNX	1070	Hollywood, Calif.

Call	Freq. Kc.	Location
KOA	850	Denver, Colo.
KOAC	550	Corvallis, Ore.
КОВ	1030	Albuquerque, N. M.
КОН	637	Reno, Nev.
KOIL	1290	Omaha, Neb.
		Portland, Ore.
KOIN	970	
KOL	1300	Seattle, Wash.
KOMA	1520	Oklahoma City, Okla.
комо	950	Seattle, Wash.
KPO	680	San Francisco, Calif.
KRLD	1080	Dallas, Texas
KSL	1160	Salt Lake City, Utah
KSOO	1140	Sioux Falls, S. D.
KSTP	1500	St. Paul, Minn.
KTFI	1270	Twin Falls, Idaho
KTHS	1090	Hot Springs, Ark.
KTRH	1320	Houston, Texas
KTW	1250	Seattle, Wash.
KUOA	1290	Siloam Springs, Ark.
KVI	570	Tacoma, Wash.
KVOO	1170	Tulsa, Okla.
KVOR	1300	Colorado Springs, Colo.
KWK	1380	St. Louis, Mo.
KWKH	1130	Shreveport, La.
KWSC	1250	Pullman, Wash.
кшто	560	Springfield, Mo.
KXYZ	1470	Houston, Texas
KYA	1260	San Francisco, Calif.
KYW	1060	Philadelphia, Pa.
WABC	880	New York City, N. Y.
WADC	1350	Talmadge, Ohio
WAGF	1400	Dothan, Ala.
WAPI	1170	Birmingham, Ala.
WBAL	1090	Baltimore, Md.
WBAP	820	Fort Worth, Texas
WBBM	780	Chicago, Ill.
WBBR	1330	Brooklyn, N. Y.

Call	Freq. Kc.	Location
WBCM	1440	Bay City, Mich.
WBEN	930	Buffalo, N. Y.
WBT	1110	Charlotte, N. C.
WBZ	1030	Boston, Mass.
WBZA	1030	Springfield, Mass.
		opringileta, wass.
WCAL	770	Northfield, Minn.
WCAU	1210	Philadelphia, Pa.
WCBD	1110	Chicago, Ill.
wcco	830	Minneapolis, Minn.
WCFL	1000	Chicago, Ill.
WCSH	970	Portland, Me.
WDAF	610	Kansas City, Mo.
WDAY	970	Fargo, N. D.
WDGY	1130	Minneapolis, Minn.
WDRC	1360	Hartford, Conn.
WDZ	1050	Tuscola, Ill.
WEAF	660	New York City, N. Y.
WEBC	1320	Duluth, Minn.
WENR	890	Chicago, Ill.
WEVD	1330	New York City, N. Y.
WFAA	820	Dallas, Texas
WFBL	1390	Syracuse, N. Y.
WFEA	1370	Manchester, N. H.
WGAN	560	Portland, Me.
WGN	720	Chicago, Ill.
WGR	550	Buffalo, N. Y.
WGY	810	Schenectady, N. Y.
14/114	070	
WHA	970	Madison, Wis.
WHAM	1180	Rochester, N. Y.
WHAS	840	Louisville, Ky.
WHE	880	Kansas City, Mo.
WHEC	1460	Rochester, N. Y.
WHIP	1290	Dayton, Ohio
	1520	Hammond, Ind.
WHK	1420	Cleveland, Ohio
WHN	1050	New York City, N. Y.
WHO	1040	Des Moines, Iowa
WIBA	1310	Madison, Wis.
WINS	1000	New York City, N. Y.
WIRE	1430	Indianapolis, Ind.
WJJD	1160	Chicago, Ill.

Call	Freq. Kc.	Location
WJSV	1500	Washington, D. C.
WJZ	770	New York City, N. Y.
WKAR	870	East Lansing, Mich.
WKBH	1410	La Crosse, Wis.
WKBW	1520	Buffalo, N. Y.
WKRC	550	Cincinnati, Ohio
WKZO	590	Kalamazoo, Mich.
WLAC	1510	Nashville, Tenn.
WLB	770	Minneapolis, Minn.
WLBL	930	Stevens Point, Wis.
WLBZ	620	Bangor, Maine
WLS	890	Chicago, Ill.
WLW	700 -	Cincinnati, Ohio
WMC	790	Memphis, Tenn.
WMAQ	670 —	Chicago, Ill.
WMBD	1470	Peoria, Ill.
WMBI	1110	Chicago, Ill.
WNAC	1260	Boston, Mass.
WNAX	570	Yankton, S. D.
WOAI	1200	San Antonio, Texas
WOI	640	Ames, Iowa
WOR	710	Newark, N. J.
WORK	1350	York, Pa.
WOV	1130	New York City, N. Y.
wow	590	Omaha, Neb.
wowo	1190	Fort Wayne, Ind.
WQXR	1560	New York City, N. Y.
WPTF	680	Raleigh, N. C.
WRUF	850	Gainesville, Fla.
WRVA	1140	Richmond, Va.
WSAI	1360	Cincinnati, Ohio
WSB	750	Atlanta, Ga.
WSM	650	Nashville, Tenn.
WSPD	1370	Toledo, Ohio
WTAM	1100	Cleveland, Ohio
WTCN	1280	Minneapolis, Minn.
WTIC	1080	Hartford, Conn.
WWJ	950	Detroit, Mich.
WWL	870	New Orleans, La.
WWVA	1170	Wheeling, W. Va.
WXYZ	1270	Detroit, Mich.

CUBAN & MEXICAN STATIONS

Call	Freq. Kc.	Location
СМНІ	570	Havana, Cuba
CMCY	590	Havana, Cuba
CMQ	690	Havana, Cuba
CMX	1010	Havana, Cuba
XEAW	1570	Nuevo Leon, Mexico
XEB	1220	Mexico City, Mexico
XEQ	940	Mexico City, Mexico
XEG	1050	Monterrey, Mexico
XENT	1140	Nuevo Leon, Mexico
XEDP	730	Mexico City, Mexico
XEW	900	Mexico City, Mexico
XERB	1090	Rosarito, Mexico
XEFW	810	Tampico, Mexico
XEST	1060	Mexico City, Mexico

The standard broadcast stations listed in the Westinghouse Broadcast Directory have been selected as follows:

- (1) All Canadian Stations.
- (2) All United States Stations of 5000 Watts power or over.
- (3) All United States Stations of 1000 Watts or over and within about 200 miles of the Canadian Border.
 - (4) Some powerful Mexican and Cuban Stations.

DON'T LET A "RUN-DOWN RADIO" SPOIL YOUR ENJOYMENT

The radiotron is undoubtedly the most outstanding example of the quantity production of a delicate precision device ever known. Westinghouse Radiotrons are made to give long and satisfactory service provided they are carefully handled. They should be guarded against knocks and falls as carefully as your watch.

While your radio is operating the most intense activity is taking place in the radiotrons. Electrons are streaming from the filaments in millions every second and eventually the time must come when the electron supply of the filaments is exhausted.

To make sure you are getting the utmost value and enjoyment from your radio, the radiotrons should be taken out and tested every six months. Because Westinghouse radio circuits are engineered to operate with Westinghouse radiotrons, it is sound advice to replace worn tubes with:

Westinghouse

GENUINE RADIOTRONS

FOR CLEAR UNDISTORTED TONE

