

FEBRUARY—MARCH—A

ONE  
DIME

# DX RADIO LOG OF THE WORLD

## **BROADCAST BAND STATIONS**

**By Frequencies**  
Page 2

**By Locations**  
Page 10

**By Calls**  
Page 18

## **SHORT WAVE STATIONS**

**By Frequencies**  
Page 20

**By Locations**  
Page 28

**By Calls**  
Page 30

# DX RADIO LOG of the WORLD

Official World Log of the International DXers Alliance, Bloomington, Ill.

February 1, 1935

Vol. II

Published Quarterly by

No. 6

705 Hanna Bldg. **THE RADEX PRESS, INC.** Cleveland, Ohio

Entered as second-class matter Oct. 4, 1933, at the Post Office at Cleveland, Ohio, under the Act of March 3, 1879.

40c per year.

10c per copy.

## INDEX BY FREQUENCIES AND DIAL NUMBERS

Stations in North America are shown in black type. Power is shown in kilowatts, thus .025 is 25 watts. Odd frequencies are given in parenthesis. Kilocycles in larger type; meters in parenthesis.

<b>520 (576.6)</b> <input type="text"/>	<b>560 (535.4)</b> <input type="text"/>	2YA 5. Wellington, N. Z.
LKH .7 Hamar, Nor. (519)	IIPA 4. Palermo, I. (565)	..... 100. Stuttgart, G. (574)
OFII 13.2 Vilpuri, Fin. (527)	KFDM .5 <b>Beaumont, Tex.</b>	..... 10. Magnitogorsk, U.S.R. (571)
..... .5 Innsbruck, Aust. (519)	KLZ 1. <b>Denver, Colo.</b>	
..... 5. Ljubljana, Yug. (527)	KTAB 1. <b>San Francisco, Calif.</b>	
	KWTO 1. <b>Springfield, Mo.</b>	<b>580 (516.9)</b> <input type="text"/>
<b>530 (565.7)</b> <input type="text"/>	RW41 1.2 Syktyvkar, USSR (563)	CE58 1. <b>Santiago Chl. (585)</b>
IIBZ 1. Bolzano, I. (536)	TGW 10. <b>Guatemala City (565)</b>	CHRC .1 <b>Quebec, Que.</b>
..... 16. Wilno, Pol. (536)	WFI .5 <b>Philadelphia, Pa.</b>	CKCL .1 <b>Toronto, Ont.</b>
	WIND 1. <b>Gary, Ind.</b>	CKUA .5 <b>Edmonton, Alta.</b>
	WIS 1. <b>Columbia, S. C.</b>	KMJ .5 <b>Fresno, Calif.</b>
<b>540 (555.2)</b> <input type="text"/>	WLIT .5 <b>Philadelphia, Pa.</b>	KSAC .5 <b>Manhattan, Kans.</b>
CJRM 1. <b>Moose Jaw, Sask.</b>	WQAM 1. <b>Miami, Fla.</b>	RW35 10. <b>Astrakhan, USSR (589)</b>
HAL 120. <b>Budapest, Hun. (546)</b>	XEAO .25 <b>Mexicali, B. C.</b>	RW38 1.2 <b>Alexandrovsk, U.S.R.</b>
	XLHB .06 <b>Shanghai, Chin.</b>	WCHS .5 <b>Charleston, W. Va.</b>
	2CO 7.5 <b>Corowa, Aust.</b>	WBBO .25 <b>Orlando, Fla.</b>
	..... 60. <b>Athlone, I.R.S (565)</b>	WIBW 1. <b>Topeka, Kans.</b>
<b>550 (545.1)</b> <input type="text"/>		WTAG .5 <b>Worcester, Mass.</b>
CFNB .5 <b>Fredericton, N. B.</b>	<b>570 (526)</b> <input type="text"/>	XQHA 1. <b>Shanghai, Ch.</b>
KFUO .5 <b>St. Louis, Mo.</b>	CX2 .. <b>Montivideo, Uru.</b>	YLZ 15. <b>Riga, Lat. (583)</b>
KFYR 1. <b>Bismark, N. D.</b>	KGKO .25 <b>Wichita Falls, Tex.</b>	7ZL 1. <b>Hobart, Aust.</b>
KOAC 1. <b>Corvallis, Ore</b>	KMTR .5 <b>Hollywood, Calif.</b>	..... 20. <b>Lisbon, Por. (629)</b>
KSD .5 <b>St. Louis, Mo.</b>	KVI 1. <b>Tacoma, Wash.</b>	..... 15. <b>Grenoble, F. (583)</b>
KTSA 1. <b>San Antonio, Tex.</b>	MTCY 1. <b>Hsinking, Manch.</b>	<b>590 (508.2)</b> <input type="text"/>
RW34 10. <b>Stalinrad, USSR. (554)</b>	WKBN .5 <b>Youngstown, Ohio</b>	JOAK2 10. <b>Tokyo, Jap.</b>
TISO .25 <b>San Jose, C. R.</b>	WMCA .5 <b>New York, N. Y.</b>	KHQ 1. <b>Spokane, Wash.</b>
WDEV .5 <b>Waterbury, Vt.</b>	WNAX 1. <b>Yankton, S. D.</b>	LS10 3.5 <b>Buenos Aires, Arg.</b>
WGK 1. <b>Buffalo, N. Y.</b>	WOSU .75 <b>Columbus, Ohio</b>	RW42 10. <b>Gorki, U. S. R. (598)</b>
WKRC 1. <b>Cincinnati, Ohio</b>	WSYR .25 <b>Syracuse, N. Y.</b>	WEEL 1. <b>Boston, Mass.</b>
WSVA .5 <b>Staunton, Va.</b>	WWNC 1. <b>Asheville, N. C.</b>	WKZO 1. <b>Kalamazoo, Mich.</b>
..... 100. <b>Beromunster, Sw. (556)</b>		

**WOW** 1. Omaha, Neb.  
**XEPN** 50. Piedras Ngs. Coah  
 ..... 120. Vienna, Aust. (59.2)

**600 (499.7)**

**CFCC** .5 Montreal, Que.  
**CJOR** .5 Vancouver, B. C.  
**CNR** 6.5 Rabat, Mor. (601)  
**CRCW** .5 Windsor, Ont.  
**FQN** .25 St. Pierre, Mig. (609)  
**IFIF** 20. Florence, I. (609)  
**KFSD** 1. San Diego, Calif.  
**RW82** 4. Frounze, U.S.R. (608)  
**SBD** 10. Sundsvall, Swe. (601)  
**WCAC** .5 Storrs, Conn.  
**WCAO** .5 Baltimore, Md.  
**WICC** .25 Bridgeport, Conn.  
**WRET** 1. Waterloo, Iowa  
**WREC** 1. Memphis, Tenn.  
**XGHN** 1. Wu-ning, Chn.  
**XMHA** 6. Shanghai, Chn.  
**ZTC** 10. Cape Town, S. Af.

**610 (491.5)**

**CMCF** .25 Havana, Cuba  
**CX4** 1. Montevideo, Uru.  
**JODK2** 10. Keljo, Ko.  
**KFRC** 1. San Francisco, Calif.  
**KZRM** 50. Manila, P. I. (618.5)  
**RW22** 10. Outa, U. S. R. (617)  
**RW79** 10. Murmansk, U. S. R.  
**TIXA** .0075 San Jose, C. R. (614)  
**WDAF** 1. Kansas City, Mo.  
**WIP** .5 Philadelphia, Pa.  
**WJAY** .5 Cleveland, Ohio  
**XFX** .5 Mexico City, D. F.  
**3AR** 4.5 Melbourne, Ausl.

**620 (483.6)**

**CE62** .5 Santiago, Chl. (625)  
**CTIAA** 15. Lisbon, Por. (629)  
**JOTK** .5 Matsuye, Jap. (625)  
**KGW** 1. Portland, Ore.  
**KTAR** 1. Phoenix, Ariz.  
**LV3** 2. Cordoba, Arg.  
**RW31** 10. Ivanovo, U.S.R. (625)  
**WFLA** 1. Clearwater, Fla.  
**WHJB** .25 Greensburg, Pa.  
**WLBZ** .5 Bangor, Me.  
**WSUN** 1. St. Petersburg, Fla.  
**WTMJ** 1. Milwaukee, Wis.  
**4ZF** 5. Invercargill, N. Z.  
**No. 1** 15. Brussels, Belg.  
 ..... 1.2 Trondelag, Nor. (629)  
 ..... 2. Cairo, Egypt  
 ..... 20. Jerusalem, Pal.

**630 (475.9)**

**CFCY** 1. Charlottetown, P.E.I.  
**CJGX** .5 Yorkton, Sask.  
**CKOV** 1. Kelowna, B. C.  
**CMBY** .25 Havana, Cuba (635)  
**JODG** .5 Hamamatsu, Jap. (635)  
**KFRU** .5 Columbia, Mo.  
**KGFX** 2. Pierre, S. D.  
**LS3** 4.5 Buenos Aires, Arg.  
**OKP** 120. Prague, Cz. (638)  
**RW28** 7. Vladivost'k, USR(635)  
**RW84** 1.2 Oust-Abraokomsk  
 U.S.R. (635)  
**RW85** 2. Igarka, U.S.R. (635)  
**WGBF** .5 Evansville, Ind.  
**WMAL** .25 Washington, D. C.  
**WOS** .25 Jefferson City, Mo.  
**WPRO** .25 Providence, R. I.  
**XEZ** .5 Merida, Yuc.  
**XGOF** 1. Foo-chow, Chn.  
 (634.8)

**5CK** 7.5 Crys, Brook, Ausl.  
 (635)

**640 (468.5)**

**JOUK** .3 Akita, J. (645)  
**KFI** 50. Los Angeles, Cal.  
**RW17** 10. Kazan, U.S.R. (644)  
**RW29** 10. Petrozavodsk, U.S.R.  
 (648)  
**RW48** 1.2 Tomsk, U.S.R. (645)  
**RW56** 1.2 Penza, U. S. R.  
**WAIU** .5 Columbus, Ohio  
**WOI** 5. Ames, Iowa  
**XEOX** .25 Saltillo, Coah.  
**YN** 15. Lyons, F. (648)  
**ZTJ** 10. Johannesburg, S. Af.  
 (645)

**650 (461.3)**

**CAB** 1. Canton, Chn. (658)  
**CX6** 10. Montevideo, Uru.  
**JOCG** .3 Asahikawa, J. (655)  
**JQAK** .5 Dairen, Mnch. (652)  
**RW46** 10. Karaganda, USR(653)  
**WSM** 50. Nashville, Tenn.  
**1YA** 10. Auckland, N. Z.  
 ..... 100. Cologne, G. (658)

**660 (454.3)**

**CE66** 1. Santiago, Ch. (665)  
**NR** 50. Manchester, G.B. (668)  
**RW36** 10. Archangel, USR. (662)  
**WAAW** .5 Omaha, Neb.  
**WEAF** 50. New York, N. Y.  
**XGOA** 75. Nanking, Chn.  
**2FC** 3.5 Sydney, Ausl. (665)

**670 (447.5)**

**CMB** 1. Kw'gch'w., Chn.(677)  
**JFAK** 10. Taihoku, For.  
**LS4** 6. Buenos Aires, Arg.  
**MOHB** 1. Harbin, Mnch. (674)  
**MTFY** 1. Harbin, Mnch. (674)  
**RW32** 2. Elista, U.S.R. (671)  
**RW23** 1.2 Grozny I, U.S.R. (676)  
**WMAQ** 50. Chicago, Ill.  
**YVGRV** 3. Valencia, Venz. (675)  
 ..... 25. Sottens, Swi. (677)

**680 (440.9)**

**CMAF** 1. Havana, Cuba  
**HJN** 1. Bogota, Col. (681)  
**JOLK** .5 Fukuoka, J.  
**JOVK** .5 Hakodate, J.  
**KFEQ** 2.5 St. Joseph, Mo.  
**KPO** 50. San Francisco, Cal.  
**RDN** .5 San Salvador, E. S.  
**RW27** 4. Makhatch, USR. (689)  
**RW46** 1.2 Karaganda, USR.  
 (686.5)  
**RW71** 1.2 Petropavlovsk, USR.  
 (689)  
**RW74** 1.2 Teheboksarv, U.S.R.  
**VAS** 2.5 Glace Bay, N. S. (685)  
**VOVR** .5 St. John's, Nf. (681)  
**XGOK** 1. Canton, Chn. (682)  
**WPTF** 1. Raleigh, N. C.  
 ..... 2.5 Belgrade, Yug. (686)  
 ..... 1.5 Salisbury, SAT. (681.9)

**690 (434.5)**

**CFRB** 10. Toronto, Ont.  
**CJJC** .1 Calgary, Alta.  
**CX8** 1. Montevideo, Uru.  
**NAA** 1. Arlington, Va.  
**XET** .5 Monterrey, N. L.  
**6WF** 3.5 Perth, Ausl.  
 ..... 7. Paris, F. (695)

**700 (428.3)**

**CE70** 1. Santiago, Chl. (705)  
**JOJK** .5 Okayama, J.  
**SBA** 55. Stockholm, Swe. (704)  
**VPB** 1.75 Colombo, Cey. (705)  
**WLW** 500. Cincinnati, Ohio  
**XMHC** .5 Shanghai, Chn.

**710 (422.3)**

**IIRO** 50. Rome, I. (713)  
**JOJK** 3. Kanazawa, J.  
**KMPC** .5 Beverly Hills, Cal.  
**KPCB** .25 Seattle, Wash.  
**LSI** .5 Buenos Aires, Arg.  
**TIFB** .03 San Jose, C.R. (714)  
**WOR** 5. Newark, N. J.  
**XEN** 1. Mex. City, D. F.  
**XGML** .0075 Kashing, Chn. (714.3)

**720 (416.4)**

**CMK** 3.15 Havana, Cuba (725)  
**JFBK** 1. Tainan, For.  
**JORK** .5 Koehl, J.  
**KZEG** 1. Manila, P. I.  
**RW9** 36. Kiev, USR. (722)  
**RW28** 10. Viavivos, USR. (725)  
**RW73** 10. Sinteropol, USR.(725)  
**WGN** 50. Chicago, Ill.  
**XLHC** .015 Shanghai, Chn.  
**XLHID** .03 Shanghai, Chn.  
**ZTD** 1. Durban, S. Af. (723)  
**3YA** 2.5 Christchurch, N. Z.  
 ..... 10. Grahamstown, S. Af.

**730 (410.7)**

**CFPL** .1 London, Ont.  
**CJCA** .5 Edmonton, Alta.  
**CKAC** .5 Montreal, Que.  
**CX10** 1. Montevideo, Uru.  
**EAJ2** 3. Madrid, Sp.(731)  
**EAJ5** 1.5 Seville, Sp. (731)  
**JOSK** 1. Kokura, J. (735)  
**LV1** .65 San Juan, Arg.  
**RW65** 1. Baransk, U.S.R. (734)  
**XEBX** 5. Agua Caliente, B.C.  
**XGOY** .5 Yunnan, Chn. (731.7)  
**XGHS** .05 Wu-chow, Chn.  
**5CL** 2. Adelaide, Ausl.  
 ..... 20. Tallin, Est. (731)

**740 (405.2)**

**CE74** 1. Santiago, Chl. (745)  
**CMJM** 1. Clay Center, Neb.  
**KTRB** .25 Modesto, Cal.  
**OFD** .5 Forl, Fin. (749)  
**RW51** 1.2 Nathech, USK. (748.1)  
**WHES** .25 Portsmouth, N. H.  
**WSB** 50. Atlanta, Ga.  
**XHIB** .05 Shanghai, Chn.  
 ..... 100. Munich, G.  
 ..... 1.8 Marseilles, F. (749)

**750 (399.8)**

**CMCW** .15 Havana, Cuba (755)  
**JOBK1** 10. Osaka, J.  
**KGU** 2.5 Honolulu, T. H.  
**LR7** 1. Buenos Aires, Arg.  
**LUHO** .02 Tung Hsien, Chn.  
**OAX** 5. Lima, Peru  
**PR2** 1.5 Rio de Janeiro, Brz.  
**PR45** .1 Sao Paulo, Brz.  
**PR48** .5 Recife, Brz.  
**RW64** 10. Urdjonikdze, U. S. R.  
 (752)  
**WJR** 10. Detroit, Mich.  
**XEAM** .05 Nuevo Laroac, Tams,

XGOK 1. Canton, Chn.  
2YB .1 New Plymouth, N. Z.  
..... 12. Katowice, Pol. (758)

## 760 (394.5)

CE76 10. Valparaiso, Chl.  
KXA .25 Seattle, Wash.  
LTA .2 Mendoza, Arg.  
MR 25. Daventry, G. B. (767)  
WBAL 10. Baltimore, Md.  
WEW 1. St. Louis, Mo.  
WJZ 50. New York, N. Y.  
XLHI .0075 Shanghai, Chn.  
XLHJ .05 Shanghai, Chn.  
4QG 2.5 Brisbane, Ausl.

## 770 (389.4)

CMBS .15 Havana, Cuba (775)  
CX12 1. Montevideo, Uru.  
JOHK 10. Sendai, J.  
KFAB 5. Lincoln, Neb.  
LKF 7. Frederikstad, N. (776)  
RW26 10. Stalino, U.S.R. (776)  
VUM .2 Madras, In.  
WBMM 25. Chicago, Ill.  
1ZH .04 Hamilton, N. Z.  
..... 7. Toulouse, F. (776)

## 780 (384.4)

CE78 1. Santiago, Chl. (785)  
CHWK .1 Chilliwack, B. C.  
CKSO 1. Sudbury, Ont.  
JOPK 5. Shizuoka, J.  
KELW .5 Burbank, Cal.  
KFDY 1. Brookings, S. D.  
KFQD .25 Anchorage, Alas.  
KGHL 1. Billings, Mont.  
KTM .5 Los Angeles, Cal.  
LTI 5. Rosario, Arg.  
WEAN .5 Providence, R. I.  
WMC 1. Memphis, Tenn.  
WTAR .5 Norfolk, Va.  
XEYZ 10. Mexico City  
XBHC .05 Shanghai, Chn.  
..... 120. Leipzig, G. (785)

## 790 (379.5)

CMJK .15 Camaguay, Cuba  
EAJ1 5. Barcelona, Sp. (795)  
JOGK 10. Kumamoto, J.  
KGO 7.5 San Francisco, Cal.  
LR10 8. Buenos Aires, Arg.  
WGY 50. Schenectady, N. Y.  
4YA .5 Dunedin, N. Z.  
..... 16. Lwow, Pol. (795)

## 800 (374.8)

CE81 .1 Valparaiso, Chl. (805)  
LU2 .5 Bahia Blanca, Arg.  
TIGP .075 San Jose, C. R.  
SR 50. Falkirk, G. B. (804)  
WBAP 50. Fort Worth, Tex.  
WFAA 50. Dallas, Tex.  
WTBO .25 Cumberland, Md.  
XLHX .0075 Shanghai, Chn.  
XLHL .03 Shang hai, Chn.  
ZTB .5 Bloem fontaine, S. Af.  
(806.6)

3LO 3.5 Melbourne, Ausl.  
..... 20. Salonica, Gr. (804)

## 810 (370.2)

CX14 5. Montevideo, Uru.  
F8CG 1.2 Paris, F.  
IMI 50. Milan, I. (814)  
JOCK1 10. Nagoya, J.

VUC 3. Calcutta, In.  
WCCO 50. Minneapolis, Minn.  
WNYC 1. New York, N. Y.  
XFC .35 Aguascalientes, Ags.

## 820 (365.6)

CE82 1. Santiago, Chl. (825)  
LV7 .5 Tucuman, Arg.  
RW68 .2 Tcheliabinsk, U.S.R.  
(824)  
RW78 4. Ijevsk, U.S.R. (825)  
WHAS 50. Louisville, Ky.  
XEP .5 Mexico City, D. F.  
XETW .5 Mexico City, D. F.  
XQHB .03 Shanghai, Chn.  
2ZH .065 Napier, N. Z.  
..... 12. Bucharest, Ru. (823)

## 830 (361.2)

CMC .5 Havana, Cuba (835)  
JOIK 10. Sapporo, J.  
KOA 58. Denver, Colo.  
LR5 16. Buenos Aires, Arg.  
PRB7 .5 R. Janeiro, Brz. (833)  
RW39 100. Moscow U.S.R. (832)  
TIEA .0075 San Jose, C. R. (833)  
TIVL .03 San Jose, CR (835)  
WEEU 1. Reading, Pa.  
WHDH 1. Boston, Mass.  
WRUF 5. Gainesville, Fla.  
XGF .0075 Tsi-nan, Ch. (833.3)

## 840 (356.9)

CFCK 1. Saskatoon, Sask.  
CMQ 5000 Havana, Cuba  
CRCT 5. Toronto, Ont.  
F3ICD 12. Saigon, Indo.  
LKI 10. Finnmark, Nor. (845)  
LTS .35 Rosario, Arg.  
VOGY .4 St. John's Nfld.  
XEXX .5 Mexico City, D. F.  
XGTM .015 Chang-sha, Chn.  
XHHA .15 Shanghai, Chn.  
ZBW 2. Hongkong, C. (845)  
2YC .2 Wellington, N. Z.  
..... 100. Berlin, G. (841)

## 850 (352.7)

CX16 2.5 Montevideo, Uru.  
EAJ3 1.5 Valencia, Sp.  
HSP1 2.5 Bangkok, Sim (857)  
JOPK 10. Hiroshima, J.  
KIEV .25 Glendale, Cal.  
LKA .35 Aalesund, Nor.  
LKB 1. Bergen, Nor.  
LKD .5 Bodo, Nor.  
LKP 7. Porsgrund, Nor.  
PRA4 .05 Bahia, Brz. (857)  
PRA6 1. Sao Paulo, Brz. (857)  
PRB3 .25 Juiz de Fora, Brz. (857)  
RW52 10. Simferopol. USR (859)  
VQ7LO .6 Nairobi, Ken. (858)  
VUB 3. Bombay, In. (855)  
WVL 10. New Orleans, La.  
WWPA .25 Clarion, Pa.  
XOST .5 Tsinan, Chn. (855)  
ZBL 3. Sydney, Ausl. (855)  
..... 1. Sofia, Bul.  
..... 15. Strasbourg, F. (859)

## 860 (348.6)

CE86 1. Santiago, Chl. (865)  
CMCX .15 Havana, Cuba (865)  
LV10 .5 Mendoza, Arg.  
WABC 50. New York, N. Y.  
WHB .5 Kansas City, Mo.  
XEMO 2.5 Tijuana, L. C.

XHHD .05 Shanghai, Chn.  
..... 16. Poznan, Pol. (868)

## 870 (344.6)

JOAKI 10. Tokyo, J.  
LR 50. London, G. B. (877)  
LR6 2.1 Buenos Aires, Arg.  
WENR 50. Chicago, Ill.  
WLS 50. Chicago, Ill.  
YNCRG .15 Granada, Nic.

## 880 (340.7)

CESS .1 Valparaiso, Chl. (885)  
CFJC .1 Kamloops, B. C.  
CRCO 1. Ottawa, Ont.  
HJ3ABD .05 Bogota, Col. (881)  
HS7PJ . Bangkoc, Slam (882)  
KFKA .5 Greley, Colo.  
KLX 1. Oakland, Cal.  
KPOF .5 Denver, Colo.  
LV2 .5 Cordoba, Arg.  
PRB2 .25 Curitiba, Brz. (882)  
RW61 1. Iochar-Ola, USR. (888)  
VUL .1 Lahore, In. (882)  
WCOE .5 Meridian, Miss.  
WGBI .5 Scranton, Pa.  
WPHR .5 Petersburg, Va.  
WQAN .25 San Jose, Cr.  
WSUI .5 Iowa City, Iowa  
XHHV .1 Shanghai, Chn.  
YV2RC .1 Caracas, Venz. (882)  
ZP9 . Asuncion, Par. (887)  
6PR .5 Perth, Ausl.  
1YX .15 Auckland, N. Z.  
..... 7. Graz, Aust. (886)

## 890 (326.9)

CJIC .1 S. Ste. Marie, Ont.  
CX18 .75 Montevideo, Uru.  
KARK .25 Little Rock, Ark.  
KKNF .5 Vernadoah, Ia.  
KUSD .5 Vermillion, S. D.  
MTB2 2. Mukden, Chn.  
OFA 10. Helsinki, Fin. (895)  
WBAA 1. W. Lafayette, Ind.  
WGST .25 Atlanta, Ga.  
WILL .25 Urbana, Ill.  
WJAR .5 Providence, R. I.  
WMMN .25 Fairmont, W. Va.  
XEW 50. Mexico City  
XGKA .015 Kashing, Chn. (895)  
7HO .05 Hobart, Ausl.  
..... 5. Limoges, F. (895)

## 900 (333.1)

CE90 1. Shanghai, Chl. (905)  
CMX 1. Havana, Cuba (905)  
HJ3ABB .05 Bogota, Co. (909)  
JODK1 10. Keijo, Ko.  
KGA 1. Spokane, Wash.  
KGBU .5 Ketchikan, Alas.  
KHJ 1. Los Angeles, Cal.  
KSEI .25 Pocatello, Idaho  
LV9 .5 Salta, Arg.  
WBEN 1. Buffalo, N. Y.  
WJAX 1. Jacksonville, Fla.  
WKY 1. Oklahoma City, Okla.  
WLBL 2.5 Stevens Pt., Wis.  
WMMF 1.5 New Haven, Conn.  
XHHI .1 Shanghai, Chn.  
ZILY 2. Hoten, Mnch.  
Z2P .105 Wairoa, N. Z.  
3MA .05 Mildura, Ausl.  
..... 100. Hamburg, G. (904)

## 910 (329.6)

CJAT .25 Trail, B. C.  
CMHW .1 Cienfuegos, Cuba  
CRCM 5. Montreal, Que.

LR2 8.5 Buenos Aires, Arg.  
RW30 10. Dnepropetrovsk, USSR (913)  
**TICR .075 San Jose, C. R. (911)**  
**XENT 60. Nuevo Laredo, Tams.**  
4RK 2. Rockhamton, Ausl.  
..... 60. Toulouse, F. (913)

## 920 (325.9)

CE92 .1 Temuco, Chl.  
**HHK 1. Port-au-Prince, Haiti**  
JQOK .5 Nilgata, J.  
**KFEL 5. Denver, Colo.**  
**KOMO 1. Seattle, Wash.**  
**KPRC 1. Houston, Tex.**  
**KVOD 5. Denver, Colo.**  
OKB .2 Brno, Cz. (922)  
PRC3 .25 Pelotas, Brz.  
**WAAF 5. Chicago, Ill.**  
**WBSO 5. Babson Pk., Mass.**  
WPEN .25 Philadelphia, Pa.  
WRAX .25 Philadelphia, Pa.  
**WSPA 1. Spartanburg, S. C.**  
**WWJ 1. Detroit, Mich.**  
**XEAA 2. Mexicali, L. C.**  
XHHX 1. Shanghai, Chn.

## 930 (322.4)

CFAC .1 Calgary, Alta.  
**CFCH 1. North Bay, Ont.**  
**FLC 1. Prescott, Ont.**  
CHNS 1. Halifax, N. S.  
**CKPC 1. Brantford, Ont.**  
**CKPR .05 Ft. William, Ont.**  
**CMJF 2. Camaguey, Cuba**  
**CMW 1.4 Havana, Cuba**  
CX20 2. Montevideo, Uru.  
JOAG .5 Nagasaki, J.  
**KGBZ 1. York, Neb.**  
**KMA 1. Shenandoah, Ia.**  
**KROW 5. Oakland, Cal.**  
PRA3 2.5 R' Janeiro, Brz. (934)  
PRD2 1. Sao Paulo, Brz. (935)  
**WBRC 1. Birmingham, Ala.**  
**WDBJ 1. Roanoke, Va.**  
3UZ .6 Melbourne, Ausl.  
No. 2 15. Brussels, Belg. (932)

## 940 (319)

CE94 1. Santiago, Chl. (945)  
**CMKM 1. Manzanillo, Cuba**  
JONK .5 Nagano, J.  
**KOIN 1. Portland, Ore.**  
**VOAS 1. St. Johns, Nfld.**  
**WAAT 5. Jersey City, N. J.**  
**WAVE 1. Louisville, Ky.**  
**WCSS 1. Portland, Maine**  
**WDAY 1. Fargo, N. D.**  
**WHA 2.5 Madison, Wis.**  
SEB 10. Goteborg, Swe. (941)  
**XEFO 5. Mexico City (XFO)**  
XHHE 1. Shanghai, Chn.  
3ZR .3 Greymouth, N. Z.  
5RM 5. Renmark, Ausl.  
..... 12. Algiers Alg. (941)

## 950 (315.6)

**CMCD .5 Havana, Cuba (955)**  
**CMHD .25 Calbarien, Cuba**  
**CRCS 1. Chiboutimi, Que.**  
**KFWB 1. Hollywood, Cal.**  
**KMBC 1. Kansas City, Mo.**  
LR3 12. Buenos Aires, Arg.  
PP 100. Paris, F. (959)  
RW40 1.2 Gomet, U. S. R. (959)  
RW55 1. Engels, U. S. R. (959)  
**VONF 5. St. John's Nfld.**  
**WRC .5 Washington, D. C.**

XGGW .1 Wel-hel-wei, Chn.  
XGOP .1 Peiping, Chn.  
XOPP .1 Peiping, Chn. (952.3)  
ZTP .5 Pretoria, S. Af. (952)  
2GB 1. Sydney, Ausl.  
..... 60. Breslau, G.

## 960 (312.3)

**CKY 15. Winnipeg, Man.**  
**CMJL .05 Camaguey, Cuba**  
JOOK .3 Kyoto, J.  
RW67 2. Oukhta, USSR (968)  
RW69 10. Odessa U.S.R. (968)  
**XEAW 10. Reynosa, Tams.**  
XHHF .1 Shanghai, Chn.  
YVICR 5. Caracas, Venez.  
2ZF 25. Palmerston, N. Z.  
5DN 3. Adelaide, Ausl.  
..... 1.5 Agen, F. (968)

## 970 (309)

**CMGF 1. Matanzas, Cuba (971.5)**  
CX22 .25 Montevideo, Uru.  
JOBG .5 Maebashi, J.  
**KJR 5. Seattle, Wash.**  
**WCFL 1.5 Chicago, Ill.**  
**WIBG 1. Glenside, Pa.**  
WR 50. Cardiff, G. B. (977)  
**XES .25 Tampico, Tams.**  
XGOD 1. Hagechow, C. (977.5)  
XLCII .05 Wush, Chn.  
3BO 2. Bendigo, Ausl.

## 980 (303.9)

CE98 1. Santiago, Chl. (985)  
CNO .025 Casablanca, Mor. (983)  
HIGE 10. Genoa, I. (986)  
JOXK .5 Tokushima, J.  
**KDKA 50. Pittsburgh, Pa.**  
XMBH 5. Shanghai, Chn.  
XMMD 5. Shanghai, Chn.  
ZTP .5 Pretoria, S. Af. (985)  
2ZJ .25 Gisborne, N. Z.  
4AY 1. Ayr, Ausl.  
6BY .05 Bunbury, Ausl.  
..... 2. Cracow, Pol. (986)

## 990 (302.8)

JOFG .5 Fukul, J.  
LR4 12. Buenos Aires, Arg.  
PFBI 20. Hilversum, Hol. (995)  
**TITV .0075 San Jose, C. R. (999)**  
**WBZ 50. Boston, Mass.**  
**WBZA 1. Springfield, Mass.**  
**XEAF .25 Nogales, Son.**  
**XEK 1. Mexico City, D. F.**  
XGCK .03 Shanghai, Chn.

## 1000 (299.8)

**CMBZ .1 Havana, Cuba (1005)**  
ILJABC .05 Pereira, Col.  
ILJABH 1. Bogota, Col.  
**KFVD .25 Los Angeles, Cal.**  
OKR 13.5 Bratislava, Cz. (1004)  
PRB4 1. Santos, Brz.  
PRB5 .05 Mogy das Cruzes, Brz.  
**WHO 50. Des Moines, Ia.**  
**WORK 1. York, Pa.**  
XOTY .05 Taiyuan, Chn.  
ZP3 .3 Asuncion, Par.  
4GR .05 Toowoomba, Ausl.

## 1010 (296.9)

**CHML .05 Hamilton, Ont.**  
**CHWC .5 Regina, Sask.**  
**CKCD .1 Vancouver, B. C.**

**CKCK .5 Regina, Sask.**  
**CKCO .1 Ottawa, Ont.**  
**CKIC .05 Wolfville, N. S.**  
**CKWX .1 Vancouver, B. C.**  
**CMJO .05 Ciego de Avila, Cuba**  
CX24 10. Montevideo, Uru.  
**KGGF 1. Coffeyville, Kans.**  
**KQW 1. San Jose, Cal.**  
NN 50. Manchtr., G. B. (1013)  
PRB9 .5 Sao Paulo, Brz. (1017)  
RW86 5. Tchernigov, USSR. (1013)

**TIGA .03 Cartago, C.R. (1014)**  
**WHN 1. New York, N. Y.**  
**WNAD .5 Norman, Okla.**  
**WNXX 1. Knoxville, Tenn.**  
**XEU .25 Veracruz, Ver.**  
3HA 3. Hamilton, Ausl.

## 1020 (293.9)

CE102 .1 Santiago, Chl. (1025)  
EAJ15 3. Barcelona, Sp. (1022)  
EAJ19 .7 Oviedo, Sp. (1022)  
**KYW 10. Philadelphia, Pa.**  
**XEJ 1250 Juarez, Chih.**  
XHHG 1. Shanghai, Chn.  
ZUE 1. Sydney, Ausl. (1025)

## 1030 (291.1)

CE103 .1 Valdivia, Chl. (1035)  
**CFCN 10. Calgary, Alta.**  
**CKLW 5. Windsor, Ont.**  
**CMBC .15 Havana, Cuba (1037)**  
**CMHI .15 Santa Clara, Cuba**  
**CMKC .15 Santiago, Cuba (1034)**  
CTIGL 5. Parede, Por. (1031)  
LR9 5. Buenos Aires, Arg.  
**XEB 10. Mexico City, D. C.**  
..... 60. Konigsberg, G. (1031)

## 1040 (288.3)

CE104 .1 Magallanes, Chl.  
CP4 10. La Paz, Bol.  
**CMGH .015 Matanzas, Cuba**  
**KRLD 10. Dallas, Tex.**  
**KWJJ .5 Portland, Ore.**  
RW70 10. Leningrad, USSR.  
**WKAR 1. East Lansing, Mich.**  
**WTIC 50. Hartford, Conn.**  
XHHH 1. Shanghai, Chn.  
5PI 2. Crystal Brook, Ausl.  
..... 2.5 Rennes, F.

## 1050 (285.5)

**CFCO 1. Chatham, Ont.**  
**CMJG .05 Camaguey, Cuba**  
**CRCK 1. Quebec, Que.**  
CX26 5. Montevideo, Uru.  
IIBA 20. Bari, I. (1059)  
**KFBI 5. Abilene, Kans.**  
**KNX 50. Hollywood, Cal.**  
RW33 10. Krasnodar, USSR.  
SN 50. Falkirk, G. B.  
2CA .5 Canberra, Ausl.  
4ZB .07 Dunedin, N. Z.  
4ZM 1. Dunedin, N. Z.  
4ZO .025 Dunedin, N. Z.

## 1060 (282.8)

CE106 .5 Santiago, Chl.  
**CMCB .15 Havana, Cuba (1048)**  
**KTHS 10. Hot Springs, Ark.**  
LT9 .6 Rosario, Arg.  
RW57 4. Tiraspol, USSR. (1068)  
**WBAL 10. Baltimore, Md.**  
**WJAG 1. Norfolk, Neb.**  
**XEA .125 Guadalupe, Jal.**  
3YB .025 Melbourne, Ausl.  
4MB .05 Maryborough, Ausl.

## 1070(280.2)

CEI07 .1 Santiago, Chl. (1075)  
**KJBS .1** San Francisco, Cal.  
 LRI .5 Buenos Aires, Arg.  
**WGCAZ .1** Carthage, Ill.  
**WDZ .1** Tuscola, Ill.  
**WTAM 50.** Cleveland, Ohio  
 XGOE 1 Kwangsi, Chn.  
 XKRI .0075 Canton, Chn. (1071)  
 2KY .1 Sydney, Austral.  
 ..... 12. Bordeaux, F. (1077)

## 1080(277.6)

JOBK2 10. Osaka, J. (1085)  
 LT3 3.5 Rosario, Arg.  
 PRA9 1. Rio de Janeiro, Bra.  
 SCC 2. Falun, Swe. (1086)  
**WBT 50.** Charlotte, N. C.  
**WCB5 5.** Waukegan, Ill.  
**WMBI 5.** Chicago, Ill.  
**XEMA .05** Tampico, Tams.  
 XHHJ .08 Shanghai, Chn.  
 3SH .05 Swan Hill, Austral.  
 ..... 7 Zagreb, Yu. (1086)

## 1090(275.1)

CEI09 .1 Valparaiso, Chl.  
 CX28 3. Montevideo, Uru.  
**CMGI .03** Colon, Cuba (1094)  
 EAJ7 10. Madrid, Sp. (1095)  
**KMOX 50.** St. Louis, Mo.  
 PRC7 .25 Bello Horizonte, Brz.  
 RC2 .5 Porto Alegre, Brz.  
 RW75 10. Vinnitsa, U.S.R. (1095)  
**WESG 1.** Elmira, N. Y.  
 XGOB .25 Lo-Yang, Chn.  
 12B .2 Auckland, N. Z.  
 6AM .5 Northam, Austral.

## 1100(272.6)

CEI10 .1 Santiago, Chl. (1105)  
**CMCY .5** Havana, Cuba  
**CMHA .5** Sagua la Grande, Cu. (1103)  
**CRCV 1.** Vancouver, B. C.  
 I1NA 1.5 Naples, I. (1104)  
**KGDM .25** Stockton, Cal.  
**KWKH 10.** Shreveport, La.  
**TIRCA .5** San Jose, C. R.  
**WLWL 5.** New York, N. Y.  
**WPG 5.** Atlantic City, N. J.  
**XEFG .25** Mexico City, D. F.  
 XHHS .15 Shanghai, Chn.  
 YV4RC .3 Caracas, Venz.  
 7LA .3 Launceston, Austral.  
 ..... 50. Madona, Lat. (1104)

## 1110(270.1)

CEI11 .1 Osorno, Chl. (1115)  
**KS00 1.** Sioux Falls, S. D.  
 LK5 4.5 Buenos Aires, Arg.  
 OKK 11.2 Moravska, Cz. (1113)  
 PRB5 .05 Sao Paulo, Brz.  
**WRVA 5.** Richmond, Va.  
 2HD .5 Newcastle, Austral.

## 1120(267.7)

**CHLP .1** Montreal, Que.  
**CHSJ .1** St. John, N.B.  
**CKOC .5** Hamilton, Ont.  
**CKX .5** Brandon, Man.  
**CMCG .15** Havana, Cuba (1125)  
**CMHJ .04** Cienfuegos, Cuba (1125)  
 HAE 6.2 Nyiregyhaza, Hun. (1122)  
**KF10 .1** Spokane, Wn.  
**KFSG .5** Los Angeles, Cal.

**KRKD .5** Los Angeles, Cal.  
**KRSC .1** Seattle, Wn.  
 LV5 .7 San Juan, Arg.  
**WDEL .25** Wilmington, Del.  
**WISN .25** Milwaukee, Wis.  
**WMFH .5** Boston, Mass.  
**WTAW .5** College Station, Tex.  
 XLHM .05 Shanghai, Chn.  
 XLHN .05 Shanghai, Chn.  
 2UW .75 Sydney, Aus. (1125)  
 ..... 1. Belfast, I.F.S. (1122)  
 ..... 25 Alexandria, Eg.

## 1130(265.3)

CX30 .5 Montevideo, Uru.  
**KSL 50.** Salt Lake City, Utah  
 8BH 10. Horby, Swe. (1131)  
**WJJD 20.** Chicago, Ill.  
**WQV 1.** New York, N. Y.  
 XGOC .5 Nan-chang, Chn.  
 ZP1 1. Asuncion, Par. (1135)  
 6ML .3 Perth, Austral. (1135)

## 1140(263)

CEI14 .1 Santiago, Chl. (1145)  
 CW30 .3 Tucua-re-mo, Uru.  
 I1TO 7. Turin, I.  
**KV00 25.** Tulsa, Okla.  
 LN 50. London, G. B. (1149)  
**WAPI 5.** Birmingham, Ala.  
 WN 50. Cardiff, G. B. (1149)  
 4BC .75 Brisbane, Aus. (1145)  
 4YO .2 Dunedin, NZ.

## 1150(260.7)

CEI15 .1 Talca, Chl. (1155)  
**CMBG .225** Havana, Cuba  
**CMJH .05** Ciego de Avila, Cuba  
 HC2ET .3 Guyaquil, Ec. (1153)  
 LR8 5. Buenos Aires, Arg.  
 PRA7 .05 Ribeirao Preto, Brz. (1153)  
**WHAM 50.** Rochester, N. Y.  
 XEH .25 Monterrey, N. L.  
**XEWZ .1** Mexico City, D. F.  
 YV17BMO .5 Maracaibo, Venz. (1153)

2WQ .05 Wagga, Aus. (1155)  
 2ZM .017 Gisborne, N. Z.  
 ..... 2.6 Kosice, Cz. (1158)

## 1160(258.5)

**WOWO 10.** Ft. Wayne, Ind.  
**WVVA 5.** Wheeling, W. Va.  
**XED .5** Guadalajara, Jal.  
**XEFL 5.** Tijuana, B. C.  
 XHHU .1 Shanghai, Chn.  
 ..... 15. Mte. Cenel, Sw. (1167)

## 1170(256.3)

CEI17 .25 Valparaiso, Chl.  
**CMJE .05** Camaguey, C. (1175)  
**COA .5** Havana, Cuba (1175)  
 JOCK2 10. Nagoya, J. (1175)  
 PRC9 .02 Campinas, Brz.  
**WCAU 50.** Philadelphia, Pa.  
 XHKT .015 Wushih, Chn.  
 2ZD .008 Masterton, Nz.  
 4T0 .2 Townsville, Aus.  
 ..... 10. Cophgen., Den. (1175)

## 1180(254.1)

CW32 .25 Saito, Uru.  
**KEX 5.** Portland, Ore.  
**KOB 10.** Albuquerque, N. M.  
 LKO 60. Oslo, Nor. (1181)  
 RW20 20. Kharkov, U.S.R. (1185)  
**VE9EK .01** Montmagny, Que. (1185)

**WDGY 1.** Minneapolis, Minn.  
**WINS 1.** New York, N. Y.  
**WMAZ 1.** Macon, Ga.  
**XEFA .5** Mexico City, D. F.  
 XHHM .1 Shanghai, Chn.  
 3DB .6 Melbourne, Austral.

## 1190(252)

**HIJ .015** S. Dom., D. R. (1195)  
 LS2 40. Buenos Aires, Arg.  
**WATR 1.** Waterbury, Conn.  
**WOAI 50.** San Antonio, Tex.  
**WSAZ 1.** Huntington, W. Va.  
 XHPA .03 Peiping, Chn. (1194)  
 4MK .1 Mackay, Austral.  
 ..... 17. Frankfurt, G. (1195)  
 ..... 5. Freiburg, G. (1195)  
 ..... 1.5 Kaiserslautern (1195)  
 ..... 2. Trier, G. (1195)  
 ..... 1.5 Cassel, G. (1195)

## 1200(249.9)

CEI20 .1 Curleo, Chl. (1205)  
**CHAB 1.** Moose Jaw, Sask.  
**CKTE 1.** St. Catharines, Ont.  
**CMCJ 4.** Havana, Cuba  
**KADA 1.** Ada, Okla.  
 H3ABE .05 Bogota, Col.  
**KBTM 1.** Jonesboro, Ark.  
**KEJB .1** Marshalltown, Ia.  
**KFXD .1** Nampa, Ida.  
**KFXJ .1** Grand Jct., Colo.  
**KGDE 1.** Fergus Falls, Minn.  
**KGEE 1.** Sterling, Colo.  
**KGJF 1.** Los Angeles, Cal.  
**KGHI 1.** Little Rock, Ark.  
**KGVO 1.** Missoula, Mont.  
**KMLB 1.** Monroe, La.  
**KOOS 1.** Marshfield, Ore.  
**KSUN 1.** Lowell, Ariz.  
**KVOS 1.** Bellingham, Wn.  
**KWG 1.** Stockton, Cal.  
 LKM .1 Tromso, Nor. (1204)  
**WABI 1.** Bangor, Me.  
**WBBZ 1.** Ponca City, Okla.  
**WBHS 1.** Huntsville, Ala.  
**WENO 1.** New Orleans, La.  
**WCAT 1.** Rapid City, S. D.  
**WCAX 1.** Burlington, Vt.  
**WCLO 1.** Janesville, Wis.  
**WFAM 1.** South Bond, Ind.  
**WFBE 1.** Cincinnati, Ohio  
**WHBC 1.** Canton, Ohio  
**WHBY 1.** Green Bay, Wisc.  
**WHBX 1.** Utica, N. Y.  
**WIL 1.** St. Louis, Mo.  
**WJBC 1.** Bloomington, Ill.  
**WJBL 1.** Decatur, Ill.  
**WJBW 1.** New Orleans, La.  
**WKBO 1.** Harrisburg, Pa.  
**WJWC 1.** Lancaster, Pa.  
**WLVA 1.** Lynchburg, Va.  
**WMPC 1.** Lapeer, Mich.  
**WNBO 1.** Washington, Pa.  
**WRBL 1.** Columbus, Ga.  
**WWAE 1.** Hammond, Ind.  
 XHHN .1 Shanghai, Chn.  
 YV3RC .1 Caracas, Venz.  
 3YL .5 Christchurch, N. Z.  
 6KA .3 Adelaide, Austral.  
 10-AK .015 Stratford, Ont.  
 10-BP .025 Wingham, Ont.  
 10-BU .05 C-nors, Sask.  
 No. 2 5. Prague, Cz. (1204)

## 1210(247.8)

CEI21 .1 Vina del Mar, Chl.  
**CNCC 1.** New Carlisle, Que.  
**CKBI 1.** Prince Albert, Sask.  
**CKCH 1.** Hull, Que.  
**CKMC .05** Cobalt, Ont.

CMJI .15 Cgo. de Avia., Cu.  
 CX34 .5 Montevideo, Uru.  
 KASA .1 Elk City, Okla.  
 KDLR .1 Devils Lake, N. D.  
 KFJI .1 Klamath Falls, Ore.  
 KFOR .1 Lincoln, Neb.  
 KFPW .1 Ft. Smith, Ark.  
 KFVS .1 Cape Girardeau, Mo.  
 KFXM .1 San Bernardino, Cal.  
 KGY .1 Olympia, Wn.  
 KIEM .1 Eureka, Cal.  
 KPCC .05 Pasadena, Cal.  
 KWEA .1 Shreveport, La.  
 KWVF .1 Hilo, Hawaii  
 KWNT .1 Watertown, S. D.  
 WALR .1 Zanesville, Ohio  
 WBAX .1 Wilkes-Barre, Pa.  
 WBBL .1 Richmond, Va.  
 WBRB .1 Red Bank, N. J.  
 WCBS .1 Springfield, Ill.  
 WCOL .1 Columbus, Ohio  
 WCRW .1 Chicago, Ill.  
 WEBQ .1 Harrisburg, Ill.  
 WEDC .1 Chicago, Ill.  
 WFAS .1 White Plains, N. Y.  
 WGBB .1 Freeport, N. Y.  
 WGCN .1 Gulfport, Miss.  
 WGNV .1 Chester, N. Y.  
 WHBF .1 Rock Island, Ill.  
 WHBU .1 Anderson, Ind.  
 WIBU .1 Paynetto, Wis.  
 WJBU .1 Gadsden, Ala.  
 WJBJ .1 Hagerstown, Md.  
 WJIM .1 Lansing, Mich.  
 WJW .1 Akron, Ohio  
 WKOK .1 Sunbury, Pa.  
 WMBG .1 Richmond, Va.  
 WMEG .1 Hibbing, Minn.  
 WOCL .05 Jamestown, N. Y.  
 WOMT .1 Manitowoc, Wis.  
 WFAX .1 Thomasville, Ga.  
 WWSB .1 Chicago, Ill.  
 WSIX .1 Springfield, Tenn.  
 WSOC .1 Charlotte, N. C.  
 WTAX .1 Springfield, Ill.  
 XEE .05 Durango, Dgo.  
 XEFV .1 Juarez, Chih.  
 XETH .1 Pueblo, Pue.  
 XLTC .015 Wush, Chn.  
 2CH 1. Sydney, Austl.  
 ..... 5. Lille, F. (1213)

### 1220(245.8)

CE122 .25 Santiago, Chl. (1225)  
 CMHK .05 Cruces, Cuba (1225)  
 CTIRP ... Oporto, Por.  
 CW34 .25 Salto, Uru.  
 ITR 10. Trieste, I. (1222)  
 KFKU 1. Lawrence, Kan.  
 KTW 1. Seattle, Wn.  
 KWSC 1. Pullman, Wn.  
 WCAD .5 Canton, N. Y.  
 WCAE 1. Pittsburgh, Pa.  
 WDAE 1. Tampa, Fla.  
 WREN 1. Lawrence, Kan.  
 2GF .05 Grafton, Austl.  
 4ZL 1. Dunedin, N. Z.  
 6KG 1. Kalgoorlie, Austl.

### 1230(243.8)

CJOC .1 Lethbridge, Alta.  
 CMCA .15 Havana, Cuba  
 CMOK .025 Havana, Cuba  
 KGBX .5 Springfield, Mo.  
 KGGM .25 Albuquerque, N. M.  
 KYA 1. San Francisco, Cal.  
 LSS 2. Buenos Aires, Arg.  
 WFBM 1. Indianapolis, Ind.  
 WNAC 1. Boston, Mass.  
 XEFJ .1 Monterrey, N. L.  
 XLKB .0075 Tientsin, Chn.  
 ..... 6. Gletwitz, G. (1231)

### 1240(241.8)

CE124 .1 Concepcion, Chl. (1245)  
 CJCB 1. Sydney, N. S.  
 CMHB .03 San Spiritus, Cuba (1245)  
 KGCU .25 Mandan, N. D.  
 KLPM .25 Minot, N. D.  
 KTAT 1. Ft. Worth, Tex.  
 KTFI 1. Twin Falls, Idaho  
 WKAQ 1. San Juan, P. R.  
 WXYZ 1. Detroit, Mich.  
 XEAI .1 Mexico City, D. F.  
 XEKL .5 Leon, Guan.  
 XHHY .1 Shanghai, Chn.  
 2NC 2. Newcastle, Austl. (1245)  
 2ZL .05 Nastings, N. Z.  
 6CK 1. Cork, I. F. S.  
 ..... 2. Nice, F. (1249)

### 1250(239.9)

CE125 .1 Valparaiso, Chl.  
 CMCU .15 Havana, Cuba (1255)  
 CPX 5. La Paz, Bol.  
 CX36 .25 Montevideo, Uru.  
 EAJ8 3. Sn. Sebastian, Sp. (1258)  
 HC2JB .03 Gyaquil, Ec.  
 KFOK 1. Long Beach, Cal.  
 MABS .035 Ho-pl, Chn.  
 WCAL 1. Northfield, Minn.  
 WDSU 1. New Orleans, La.  
 WHBI 1. Newark, N. J.  
 WLB 1. Minneapolis, Minn.  
 WNEW 1. Newark, N. J.  
 WTCN 1. Minneapolis, Minn.  
 XLWU .05 Wush, Chn.  
 No. 3 1. Rome, I. (1258)

### 1260 (238)

CFRN .1 Edmonton, Alta.  
 CW36 .03 Salto, Uru.  
 KOIL 1. Council Bluffs, Ia.  
 KPAC .5 Port Arthur, Texas  
 KRGV .5 Weslaco, Tex.  
 KUOA 1. Fayetteville, Ark.  
 KVOA .5 Tucson, Ariz.  
 WLWB 1. Dayton, O.  
 WNBX .5 Springfield, Vt.  
 WTOC 1. Savannah, Ga.  
 XIHP .1 Shanghai, Chn.  
 12M .05 Manurewa, N. Z.  
 3WR .05 Wangaratta, Aus.  
 ..... 2. Augsburg, G. (1267)  
 ..... 2. Nurnberg, G. (1267)

### 1270(236.1)

CMCP .15 Havana, Cuba  
 HIX 1. Santo Domingo, D. R.  
 KGCA .1 Decora, Ia.  
 KOL 1. Seattle, Wn.  
 KVOR 1. Colo. Springs, Colo.  
 WLC .1 Decora, Ia.  
 LKK .5 Christiansand, Nor. (1276)  
 LKS .5 Stavanger, Nor. (1276)  
 L89 5. Buenos Aires, Arg.  
 TUA .5 Tunls, Tun. (1275)  
 WASH .5 Grand Rapids, Mich.  
 WFRB .5 Baltimore, Md.  
 WJDX 1. Jackson, Miss.  
 WOOD .5 Grand Rapids, Mich.  
 XDFY .15 Wu-hu, Chn.  
 XFB 1. Jalapa, Ver.  
 ZP4 .15 Astunclon, Par. (1275)  
 2SM 1. Sydney, Austl.

### 1280(234.2)

CE128 .5 Tenauco, Chl.

### CMCO .15

Havana, Cuba  
 KFBB 1. Great Falls, Mont.  
 LU7 5. Bahia Blanca, Arg.  
 WCAM .5 Camden, N. J.  
 WCAP .5 Asbury Park, N. J.  
 WDOD 1. Chattanooga, Tenn.  
 WIBA .5 Madison, Wis.  
 WORC .5 Worcester, Mass.  
 WRR .5 Dallas, Tex.  
 WTNJ .5 Trenton, N. J.  
 XEG .5 Ensenada, B. C.  
 XHHQ .08 Shanghai, Chn.  
 XLHO .015 Shanghai, Chn.  
 3TR .25 Sale, Aus.  
 4ZC .007 Crownwell, N. Z.  
 ..... 1. Aberdeen, G. B. (1285)  
 ..... 1.5 Dresden, G. (1285)

### 1290(232.4)

CX38 .5 Montevideo, Uru.  
 KDYL 1. Salt Lake City, Utah  
 KLCN .1 Blytheville, Ark.  
 WEBC 1. Superior, Wis.  
 WJAS 1. Pittsburgh, Pa.  
 WNBZ .05 Saranac Lake, N. Y.  
 WNEL .5 San Juan, P. R.  
 4BK .3 Brisbane, Austl.  
 ..... 5. Litz, Austl. (1294)  
 ..... 5. Dornbirn, Austl. (1294)  
 ..... 5. Klagenfurt, Austl. (1294)

### 1300(230.6)

CE130 .1 Santiago, Chl. (1305)  
 CMKJ .02 Guantnamo, Cuba  
 CW38 .03 Salto, Uru.  
 HIZ .01 San Domingo, D. R.  
 KALE .5 Portland, Ore.  
 KFAC 1. Los Angeles, Cal.  
 KFH 1. Wichita, Kan.  
 KFJR .5 Portland, Ore.  
 LT10 2. Santa Fe, Arg.  
 PRC4 .05 Amparo, Brz. (1304)  
 VOAC .04 St. John's, Nfld.  
 WBBR 1. Brooklyn, N. Y.  
 WEVD 1. New York, N. Y.  
 WFAB 1. New York, N. Y.  
 WFBC 1. Greenville, S. C.  
 WHAZ .5 Troy, N. Y.  
 WIOD 1. Miami, Fla.  
 XQHC 4. Shanghai, Chn.  
 3BA .05 Ballarat, Austl.  
 3ZE .05 Greymouth, N. Z.  
 ..... 5. Danzig, Dan. (1303)

### 1310(228.9)

CE131 .1 Santiago, Chl. (1315)  
 CHCK .05 Charlottesville, P. E. I.  
 CJKL .1 Kirkland Lake, Ont.  
 CJLS .1 Yarmouth, N. S.  
 CKCV .05 Quebec, Que.  
 KCRJ .1 Jerome, Ariz.  
 KFBK 1. Sacramento, Cal.  
 KFFL 1. Dublin, Tex.  
 KFFM .015 Greenville, Tex.  
 KFXR .1 Oklahoma City  
 LUBX .1 Lubbock, Tex.  
 KGCX .1 Wolf Point, Mont.  
 KGEZ .1 Kalispell, Mont.  
 KGFV .1 Kearney, Neb.  
 KIT 1. Yakima, Wn.  
 KIUV .1 Santa Fe, N. M.  
 KMED 1. Medford, Ore.  
 KRMD 1. Shreveport, La.  
 KTSM 1. El Paso, Tex.  
 KXRO 1. Aberdeen, Wn.  
 L87 3. Buenos Aires, Arg.  
 SBC 1.25 Malmö, Swe. (1312)  
 SCK .25 Karlstad, Swe. (1312)

SCO .25 Norrkoping, Swe. (1312)  
 SCQ .25 Trollhattan, Swe. (1312)

WAML .1 Laurel, Miss.  
 WBEO .1 Marquette, Mich.  
 WBOW .1 Torre Haute, Ind.  
 WBRE .1 Wilkes-Barre, Pa.  
 WCLS .1 Joliet, Ill.  
 WDAH .1 El Paso, Tex.  
 WEBR .1 Buffalo, N. Y.  
 WEXL .05 Royal Oak, Mich.  
 WFBG .1 Altoona, Pa.  
 WFDG .1 Flint, Mich.  
 WGH .1 Newport News, Va.  
 WHAT .1 Philadelphia, Pa.  
 WJAC .1 Johnstown, Pa.  
 WLBC .05 Muncie, Ind.  
 WLNH .1 Laconia, N. H.  
 WMB0 .1 Auburn, N. Y.  
 WMFF .1 Plattsburg, N. Y.  
 WNBH .1 New Bedford, Mass.  
 WOL .1 Washington, D. C.  
 WRAW .1 Reading, Pa.  
 WR0L .1 Knoxville, Tenn.  
 WSAJ .1 Groves City, Pa.  
 WSGN .1 Birmingham, Ala.  
 WSJS .1 Winston-Salem, N. C.  
 WTEL .1 Philadelphia, Pa.  
 WTJS .1 Jackson, Tenn.  
 WTRC .05 Elkhart, Ind.  
 XEC .05 Tijuana, B. C.  
 XECW .01 Mexico City  
 XEFC .1 Merida, Yuc.  
 XEFV .25 Tampico, Tams.  
 XETB .125 Torreon, Coah.  
 XEX .125 Monterrey, N. L.  
 XLWT .05 Wush, Chn.  
 IZJ .05 Auckland, N. Z.  
 5AD .3 Adelaide, Austl.

### 1320(227.1)

CEI32 .1 Rancagua, Chl. (1325)  
 CMCK .1 Havana, Cuba  
 CMOX .2 Havana, Cuba (1325)  
 CW39 .075 Florida, Uru.  
 KGHF .5 Pueblo, Colo.  
 KGMB .25 Honolulu, T. H.  
 KID .25 Idaho Falls, Idaho  
 KSO .5 Des Moines, Iowa  
 WADC .1 Akron, Ohio  
 WSMB .5 New Orleans, La.  
 XLIA .015 Ningpo, Chn.  
 2MO .05 Gunnedah, Austl.  
 No. 2 .8 Budapest, Hun. (1321)

### 1330(225.4)

CEI33 .1 Osorno, Chl. (1335)  
 CX40 .5 Montevideo, Uru.  
 KGB .1 San Diego, Cal.  
 KMO .25 Tacoma, Wn.  
 KSCJ .1 Sioux City, Ia.  
 KTRH .5 Houston, Tex.  
 WDR0 .1 Hartford, Conn.  
 WSAI .1 Cincinnati, Ohio  
 WTAQ .1 Eau Claire, Wis.  
 XGSA .01 Kiangyin, Chn. (1335)  
 XGWT .025 Chang-Chow, Chn.  
 4RO .05 Rockhampton, Austl.  
 . . . . . 5. Montpellier, F. (1339)  
 . . . . . 1.5 Bremen, G.  
 . . . . . 1.5 Hanover, G.  
 . . . . . 1.5 Madgeburg, G.  
 . . . . . 1.5 Stettin, G.  
 . . . . . 1.5 Flensburg, G.  
 . . . . . 1.7 Lodz, Pol. (1339)

### 1340(223.7)

CW40 .03 Paysandu, Uru.  
 KFPY .1 Spokane, Wash.  
 KGDY .25 Huron, S. D.  
 KGNO .25 Dodge City, Kan.  
 LKR .15 Rjukan, Nor. (1348)  
 WCOA .5 Pensacola, Fla.  
 WFEA .5 Manchester, N. H.  
 WSPD .1 Toledo, Ohio  
 XFD .25 Orizaba, Ver.  
 XHHR .05 Shanghai, Chn.  
 2RN .1.2 Dublin, I.F.S. (1348)  
 2XN .05 Lismore, Aus.  
 4ZR .004 Balclutha, N. Z.  
 No. 2 .4. Milan, I. (1348)  
 . . . . . 2. Radio-Vitus, F. (1348)  
 . . . . . 5. Salzburg, Aust. (1348)  
 . . . . . 5. Konigsberg, G. (1348)  
 . . . . . 1. Bordeaux, F. (1348)  
 . . . . . 20. Cairo, Eg. (1348)

### 1350(222.4)

CMED .15 Havana, Cuba  
 KIDD .1 Boise, Ida.  
 KWK .1 St. Louis, Mo.  
 LKN .08 Notodden, Nor. (1357)  
 L56 .3.5 Buenos Aires, Arg.  
 WAWZ .25 Zarephath, N. J.  
 WBNX .25 New York, N. Y.  
 WEHC .5 Charlottesville, Va.  
 3KZ .6 Melbourne, Austl.  
 No. 2 .2 Turin, I. (1357)

### 1360(220.4)

CMJP .075 Moron, Cuba  
 CMKF .03 Holquin, Cuba (1363)  
 CW41 .05 San Jose, Uru.  
 KGWR .1 Long Beach, Cal.  
 KGIR .1 Butte, Mont.  
 PRC5 .1 Belen, Brz.  
 PRC6 .1 R'Janeiro, Brs. (1364)  
 WGS0 .5 Charleston, S. C.  
 WFB1 .1 Syracuse, N. Y.  
 WGES .5 Chicago, Ill.  
 WQBC .5 Vicksburg, Miss.  
 WSBT .5 South Bend, Ind.  
 XQHD .2 Shanghai, Chn.  
 2BH .1 Broken Hill, Austl.  
 2ZR .05 Nelson, N. Z.  
 No. 2 .1 Turin, I. (1366)

### 1370(218.8)

CKCW .1 Moncton, N. B.  
 CMGE .03 Cardenas, Cuba (1375)  
 CMOK .025 Havana, Cuba (1375)  
 CX42 .1 Montevideo, Uru.  
 KCRC .1 Enid, Okla.  
 KERN .1 Bakersfield, Calif.  
 KFGQ .1 Boone, Ia.  
 KFJM .1 Grand Forks, N. D.  
 KFJZ .1 Ft. Worth, Tex.  
 KFRO .1 Longview, Texas  
 KGAR .1 Tucson, Ariz.  
 KGFG .1 Oklahoma City  
 KGFL .1 Roswell, N. M.  
 KGKL .1 San Angelo, Tex.  
 KICA .1 Clovis, N. M.  
 KLUF .1 Galveston, Tex.  
 KMAC .1 San Antonio, Tex.  
 KONO .1 San Antonio, Tex.  
 KRE .1 Berkeley, Cal.  
 KRKO .05 Berkeley, Calif.  
 KSLM .1 Seaside, Ore.  
 KUJ .1 Walla Walla, Wn.  
 KVL .1 Seattle, Wn.

KWKC .1 Kansas City, Mo.  
 KWYO .1 Sheridan, Wyo.  
 WAGF .1 Dothan, Ala.  
 WBTM .1 Danville, Va.  
 WCBM .1 Baltimore, Md.  
 WDas .1 Philadelphia, Pa.  
 WGL .1 Ft. Wayne, Ind.  
 WHBD .1 Mt. Orab, Ohio  
 WHBQ .1 Memphis, Tenn.  
 WHDF .1 Calumet, Mich.  
 WIBM .1 Jackson, Mich.  
 WJTL .1 Atlanta, Ga.  
 WLLH .1 Lowell, Mass.  
 WMBR .1 Jacksonville, Fla.  
 WOC .1 Davenport, Iowa  
 WPFB .1 Hattiesburg, Miss.  
 WQDM .1 St. Albans, Vt.  
 WRAK .1 Williamsport, Pa.  
 WRDO .1 Augusta, Me.  
 WRJN .1 Racine, Wis.  
 WSVS .05 Buffalo, N. Y.  
 XEFE .1 Nuevo Laredo, Tams.  
 XEFZ .1 Mexico City, D. F.  
 XEJ .125 Niles, Mich.  
 XEZZ .1 San Luis Potos  
 XHHA .05 Hangchow, Chn.  
 3HS .05 Horsham, Austl.  
 . . . . . 5. Basle, Swi. (1375)  
 . . . . . 5. Berne, Swi. (1375)

### 1380(217.3)

CEI38 .1 Santiago, Chl. (1385)  
 CMJG .15 Camaguey, Cu. (1382)  
 CTIDR . . . Lisbon, Por. (1386)  
 CW42 .02 Artigas, Uru.  
 KOH .5 Reno, Nev.  
 KQV .5 Pittsburgh, Pa.  
 LT5 .5 Resistencia, Arg.  
 LU6 .05 Mar del Plata, Arg.  
 WALA .5 Mobile, Ala.  
 WKBH .1 LaCrosse, Wis.  
 WMFE .25 New Britain, Conn.  
 WSMK .2 Dayton, Ohio  
 XLHE .075 Shanghai, Chn.  
 XLHF .05 Shanghai, Chn.  
 4BH .6 Brisbane, Austl.  
 No. 2 .2 Warsaw, Pol. (1384)

### 1390(215.7)

CEI39 .1 Rancagua, Chl.  
 CJRC .1 Winnipeg, Man.  
 H1H .015 San Pedro de M., D. R. (1395)

KLRA .1 Little Rock, Ark.  
 KOY .5 Phoenix, Ariz.  
 LR11 .1 Buenos Aires, Arg.  
 WHK .1 Cleveland, Ohio  
 2GN .1 Goulburn, Austl.  
 . . . . . 5. Radio-Lyons, F. (1393)

### 1400(214.2)

CMCR .15 Havana, Cuba  
 CW43 .02 Melo, Uru.  
 FFZ .25 Shanghai, Chn.  
 KLO .5 Ogden, Utah  
 KTUL .25 Tulsa, Okla.  
 TGX .15 Guatemala City  
 WARD .5 Brooklyn, N. Y.  
 WBE0 .5 Brooklyn, N. Y.  
 WCBF .5 Indianapolis, Ind.  
 WLFH .5 Brooklyn, N. Y.  
 WVF0 .5 Brooklyn, N. Y.  
 XGSL .01 Saglun, Chn. (1401)  
 2Z0 .1 Palmerston, N. Z.  
 3GL .05 Geelong, Austl.  
 Swedish Common Wave (1402)  
 See SC In Index by Calls



## 1410(212.6)

CE141	.1	Concepcion, Chl.
CKFC	.05	Vancouver, B. C.
CKMO	.1	Vancouver, B. C.
CT1DH	.01	Lisbon, Por. (1411)
CX44	2.	Montevideo, Uru.
KGR5	1.	Amarillo, Tex.
WAAB	.5	Boston, Mass.
WBCM	.5	Bay City, Mich.
WDAG	1.	Amarillo, Tex.
WHBL	.5	Sheboygan, Wis.
WHIS	.25	Bluefield, W. Va.
WRBX	.25	Roanoke, Va.
WROK	.5	Rockford, Ill.
WSFA	.5	Montgomery, Ala.
2KO	.5	Newcastle, Ausl. (1415)

## 1420(211.1)

CE142	.1	Santiago, Chl. (1425)
CKGB	.1	Timmins, Ont.
CKNC	.1	Toronto, Ont.
CMBX	.15	Havana, Cuba (1425)
CW44	.1	Paysandu, Uru.
KABC	.1	San Antonio, Tex.
KBPS	.1	Portland, Ore.
KCMC	.1	Texarkana, Ark.
KFIZ	.1	Fond du Lac, Wis.
KGFF	.1	Shawnee, Okla.
KGCC	.1	San Francisco, Calif.
KGIW	.1	Alamosa, Colo.
KGIX	.1	Las Vegas, Nev.
KIDW	.1	Lamar, Colo.
KORE	.1	Eugene, Ore.
KUMA	.1	Yuma, Ariz.
KXL	.1	Portland, Ore.
LL	.8	Paris, F. (1424)
LS11	1.	Buenos Aires, Arg.
OFE	1.2	Tampere, Fin.
WACO	.1	Waco, Tex.
WAGM	.1	Presque Isle, Me.
WAZL	.1	Hazleton, Pa.
WEED	.1	Rocky Mount, N. C.
WEHC	.1	Charlottesville, Va.
WEHS	.1	Cicero, Ill.
WELL	.05	Battle Creek, Mich.
WGPC	.1	Albany, Ga.
WHDL	.1	Olean, N. Y.
WHFC	.1	Cicero, Ill.
WILM	.1	Wilmington, Del.
WJBO	.1	Baton Rouge, La.
WJMS	.1	Ironwood, Mich.
WKBI	.1	Cicero, Ill.
WLAP	.1	Lexington, Ky.
WLBK	.1	Kansas City, Kans.
WMAS	.1	Springfield, Mass.
WMBC	.1	Detroit, Mich.
WMBH	.1	Joplin, Mo.
WMFJ	.1	Daytona Beach, Fla.
WNRA	.1	Muscle Shoals, Ala.
WPAD	.1	Paducah, Ky.
WWC	.1	Spartanburg, S. C.
XEFB	.1	Monterrey, N. L.
XHHK	.1	Shanghai, Chn.
1ZS	.05	Auckland, N. Z.
3AW	.6	Melbourne, Ausl. (1425)

## 1430(209.7)

.....	.1	Lewiston, Idaho
.....	.1	Ponce, P. R.
.....	1.	Newcastle, G. B. (1429)
.....	1.5	Beziers, F. (1429)
.....	..	Alexandria, Eg. (1429)
CE143	.1	Magallanes, Chl.

HAE2	1.26	Magyarovar, Hun. (1438)
HAE5	1.25	Miskole, Hun. (1438)
KECA	1.	Los Angeles, Calif.
KGNF	.5	No. Platte, Iowa
KWCR	.25	Cedar Rapids, Iowa
LP9	1.3	La Plata, Arg.
RW10	100.	Minsk, U.S.R. (1438)
WBNS	.5	Columbus, Ohio
WHCC	.5	Rochester, N. Y.
WHP	.5	Harrisburg, Pa.
WNBR	.5	Memphis, Tenn.
WOKO	.5	Albany, N. Y.
2WL	.05	Wollongong, Ausl. (1435)

## 1440(208.2)

KDFN	.5	Casper, Wyo.
KLS	.25	Oakland, Calif.
KXYZ	.5	Houston, Tex.
TIFS	.0075	Cartago, C. R. (1441)
WBIG	.5	Greensboro, N. C.
WCBA	.25	Allentown, Pa.
WMBD	.5	Peoria, Ill.
WSAN	.25	Allentown, Pa.
WTAD	.5	Quincy, Ill.
XLIHQ	.03	Shanghai, Chn.

## 1450(206.8)

CE145	.1	Rancagua, Chl.
CFCT	.075	Victoria, B. C.
CHGS	.05	Summerside, PEI
CX46	.1	Montevideo, Uru.
KTBS	1.	Shreveport, La.
TIEP	.0075	San Jose, C. R.
WGAR	.5	Cleveland, Ohio
WHOM	.25	Jersey City, N. J.
WSAR	.25	Fall River, Mass.
WTFI	.5	Athens, Ga.
XGKL	.015	Soochow, Chn.
3ZM	.14	Christchurch, N. S.
4ZU	.05	Dunedin, N. Z.
5MU	.05	Murray Bridge, Ausl.
.....	10.	Normandie, F. (1456)

## 1460(205.4)

CE146	.5	Santiago, Chl. (1465)
CW46	.03	Tucuaembo, Uru.
HAE4	1.5	Pees, Hun. (1465)
KSTP	10.	St. Paul, Minn.
ON4EB	.1	Antwerp, Belg. (1465)
WJSV	10.	Washington, D. C.
XGZD	.01	Changechow, Chn.
XQHE	.25	Shanghai, Chn.
ZP5	.15	Asuncion, Par. (1465)
7UV	.3	Ulverstone, Ausl.
.....	1.5	Dresden, G. (1465)
.....	.1	Courtrai, Belg. (1465)

## 1470 (204)

WLAC	5.	Nashville, Tenn.
6IX	.3	Perth, Aust.
.....	.3	Plymouth, G. B. (1474)
.....	1.	Bournemouth, G. B. (1474)

## 1480(202.6)

CW47	.1	Canelones, Uru.
KOMA	5.	Oklahoma City, Okla.

WKBW	5.	Buffalo, N. Y.
XQHF	2	Shanghai, Chn.
2AY	.05	Albury, Ausl.

## 1490(201.2)

CX48	1.5	Montevideo, Uru.
ON4CE	1.	Chatelineau, Belg. (1492)
WCKY	5.	Covington, Ky.
XLKS	.02	Kashing, Chn.
No. 1	.1	Wallonia, Belg. (1492)
.....	.1	Binehe, Belg. (1492)
.....	.2	Nimes, F. (1492)
.....	.6	Turku, Fin. (1492)
.....	.1	Courtrai, Belg.
Spanish Common Wave (1492)		
See EAJ in Index by Calls		

## 1500(199.9)

Spanish Common Wave		
See EAJ in Index by Calls		
CMCN	.25	Havana, Cuba
EA50	.25	Los Palmas, Sp.
KDB	.1	Santa Barbara, Calif.
KGFI	.1	Corpus Christi, Tex.
KGFK	.1	Moorehead, Minn.
KGKB	.1	Tyler, Texas
CKGKY	.1	Scottsbluff, Neb.
KNOW	.1	Austin, Tex.
KOTN	.1	Pine Bluff, Ark.
KPJM	.1	Prescott, Ariz.
KPQ	.1	Wenatchee, Wash.
KREG	.1	Santa Ana, Calif.
KXO	.1	El Centro, Calif.
WCNW	.1	Brooklyn, N. Y.
WDNC	.1	Durham, N. C.
WGAL	.1	Lancaster, Pa.
WHEF	.1	Kosciusko, Miss.
WJBK	.1	Detroit, Mich.
WKBB	.1	E. Dubuque, Ill.
WKBV	.1	Richmond, Ind.
WKBZ	.1	Muskegon, Mich.
WKEU	.1	LaGrange, Ga.
WMBQ	.1	Brooklyn, N. Y.
WMEX	.1	Boston, Mass.
WNBF	.1	Binghamton, N. Y.
WOPI	.1	Bristol, Tenn.
WRDW	.1	Augusta, Ga.
WRGA	.1	Rome, Ga.
WYB	.1	Rutland, Vt.
WWRL	.1	Woodside, N. Y.
WWSW	.1	Pittsburgh, Pa.
XOCL	.0075	Tsina, Chn.
3AK	.05	Melbourne, Ausl.
.....	.2	Pietersaarl, Fin.
Belgium has several 100 watt stations on 1500.		

## 1510(198.6)

CFRC	.1	Kingston, Ont.
CKCR	.1	Waterloo, Ont.

## 1530(196.0)

SCJ	.2	Karlskrona, Swe.
W1XB5	1.	Waterbury, Conn.
W9XBY	1.	Kansas City, Mo.

## 1550(193.4)

W2XR	1.	Long Island City, N. Y.
W6XA1	1.	Bakersfield, Calif.

*The RADEX Radio Map of the World with Time Converting Dial is only 25 cents. Turn the dial to your time and the time for every place in the world is given.*

**INDEX BY COUNTRIES, STATES AND CITIES**  
 Frequency in second column, power in watts in third

<b>ALABAMA</b>			<b>Long Beach</b>			<b>Storrs</b>			<b>Pocatello</b>		
Birmingham			KFOX 1250	1000		WCAC 600	500		KSEI 900	250	
WAPI 1140	5000		KGER 1360	1000		Waterbury			Twin Falls		
WBRC 930	1000		<b>Los Angeles</b>			WATR 1190	100		KTFI 1240	500	
WSGN 1310	100		KECA 1430	1000		WIXBS 1530	1000		<b>ILLINOIS</b>		
Dothan			KFAC 1300	1000		<b>DELAWARE</b>			Bloomington		
WACF 1370	100		KFI 640	50000		Willmington			WJBC 1200	100	
Gadsden			KFSG 1120	500		WDEL 1120	250		Carthage		
WJBY 1210	100		KFVD 1000	250		WILM 1420	100		WCAZ 1070	100	
Huntsville			KGFJ 1200	100		<b>DISTRICT OF COLUMBIA</b>			Chicago		
WBHS 1200	100		KGHJ 900	1000		Washington			WAAF 920	500	
Mobile			KRRK 1120	500		WJSV 1460	10000		WBBM 770	25000	
WALA 1380	500		KTM 780	500		WMAL 630	250		WCFL 970	1500	
Montgomery			Modesto			WOL 1310	100		WCRW 1210	100	
WSFA 1410	500		KTRB 740	250		WRC 950	500		WEDC 1210	100	
Muscle Shoals			Oakland			<b>FLORIDA</b>			WENR 870	50000	
WNRA 1420	100		KLS 1440	250		Clearwater			WGES 1360	500	
<b>ALASKA</b>			KLX 880	1000		Daytona Beach			WGN 720	50000	
Anchorage			KROW 930	1000		WFMF 1420	100		WJJD 1130	20000	
KFQD 780	250		Pasadena			Gainesville			WLS 870	50000	
Ketchikan			KPPC 1210	50		WRUF 830	5000		WMAQ 670	50000	
KGBU 900	500		Sacramento			Jacksonville			WMBI 1080	5000	
<b>ARIZONA</b>			KFBK 1310	100		WJAX 900	1000		WWSB 1210	100	
Jerome			San Bernardino			WMBR 1370	100		Cicero		
KCRJ 1310	100		KFXM 1210	100		Miami			WEHS 1420	100	
Lowell			San Diego			WIOD 1300	1000		WHFC 1420	100	
KSUN 1200	100		KFSD 600	1000		WQAM 560	1000		WKBI 1420	100	
Phoenix			KGB 1330	1000		Orlando			WLSB 1210	100	
KOY 1390	500		San Francisco			WDBO 580	250		Decatur		
KTAR 620	1000		KFRG 610	1000		Pensacola			WJBL 1200	100	
Prescott			KGGC 1420	100		WCOA 1340	500		East Dubuque		
KPJM 1500	100		KGO 790	7500		St. Petersburg			WKBB 1500	100	
Tucson			KJBS 1070	500		WSUN 620	1000		Harrisburg		
KGAR 1370	100		KPO 680	50000		Tampa			WEBQ 1210	100	
KVOA 1260	500		KTAB 560	1000		WDAE 1220	1000		Joliet		
Yuma			KYA 1230	1000		GEORGIA			WCLS 1310	100	
KUMA 1420	100		San Jose			Albany			Peoria		
<b>ARKANSAS</b>			KQW 1010	1000		WGPC 1420	100		WMBD 1440	500	
Blytheville			Santa Ana			WTFI 1450	500		Quincy		
KLCN 1290	100		KREG 1500	100		Atlanta			WTAD 1440	500	
Fayetteville			Santa Barbara			WGST 890	500		Rockford		
KUOA 1260	1000		KDB 1500	100		WJTL 1370	100		WROK 1410	500	
Fort Smith			Stockton			WSB 740	50000		Rock Island		
KFPW 1210	100		KGDM 1100	250		Augusta			WHBF 1210	100	
Hot Springs			KWG 1200	100		WRDW 1500	100		Springfield		
KTHS 1060	10000		<b>COLORADO</b>			Columbus			WCBS 1210	100	
Jonesboro			Alamosa			WRBL 1200	100		WTAX 1210	100	
KBTM 1200	100		KGIW 1420	100		LaGrange			Tuscola		
Little Rock			Colorado Springs			WKEU 1500	100		WDZ 1070	100	
KARK 890	250		KVOR 1270	1000		Macon			Urbana		
KGHI 1200	100		Denver			WMAZ 1180	1000		WILL 890	250	
KLRA 1390	1000		KFEL 920	500		Rome			Zion		
Pine Bluff			KLZ 560	1000		WRGA 1500	100		WCBD 1080	5000	
KOTN 1500	100		KOA 830	50000		Savannah			<b>INDIANA</b>		
Texarkana			KPOF 880	500		WTOC 1260	1000		Anderson		
KCMC 1420	100		KVOD 920	500		Thomasville			WHBU 1210	100	
<b>CALIFORNIA</b>			Grand Junction			WPAX 1210	100		Elkhart		
Bakersfield			KFXJ 1200	100		HAWAII			WTRC 1310	50	
KERN 1370	100		Greeley			Hilo			Evansville		
W6XAI 1550	1000		KFKA 880	500		KWFFV 1210	100		WGBF 630	500	
Berkeley			Lamar			Honolulu			Fort Wayne		
KRE 1370	100		KIDW 1420	100		KGMB 1320	250		WGL 1370	100	
Beverly Hills			Pueblo			KGU 750	2500		WOWO 1160	10000	
KMPC 710	500		KGHF 1320	500		IDAH0			Gary		
Burbank			Sterling			Boise			WIND 560	1000	
KELW 780	500		KGEK 1200	100		KIDO 1350	1000		Hammond		
El Centro			<b>CONNECTICUT</b>			Idaho Falls			WVAE 1200	100	
KXO 1500	100		Bridgeport			KID 1320	250		Indianapolis		
Eureka			WICC 600	500		Lewiston			WFBM 1230	1000	
KIEM 1210	100		Hartford			.....	1420	100	WKBF 1400	500	
Fresno			WDRG 1330	1000		Nampa			Muncie		
KMJ 580	500		WTIC 1040	50000		KFXD 1200	100		WLBC 1310	100	
Glendale			New Britain			<b>INDIANA</b>			Richmond		
KIEV 850	250		WMFE 1380	250		Boise			WKBW 1500	100	
Hollywood			New Haven			Idaho Falls			South Bend		
KFWB 950	1000		WMFI 900	500		KID 1320	250		WFAM 1200	100	
KMTR 570	1000					Lewiston			WSBT 1360	500	
KNX 1050	50000					.....	1420	100	Terre Haute		
						Nampa			WBOW 1310	100	

West Lafayette		Portland		Moorhead		NEVADA	
WBAA 890	500	WCSH 940	1000	KGFK 1500	100	Las Vegas	
<b>IOWA</b>		Presque Isle		Northfield		KGIX 1420	100
Ames		WAGM 1420	100	WCAL 1250	2500	Rono	
WOI 640	5000	<b>MARYLAND</b>		St. Paul		KOH 1380	500
Boone		Baltimore		KSTP 1460	10000	<b>NEW HAMPSHIRE</b>	
KFGQ 1370	100	WBAL 1060	10000	<b>MISSISSIPPI</b>			
Cedar Rapids		WCAO 600	500	Gulfport		Laconia	
KWCR 1430	250	WCBM 1370	100	WGCM 1210	100	WLNH 1310	100
Council Bluffs		WFBR 1270	500	Hattiesburg		Manchester	
KOIL 1260	1000	Cumberland		WPFB 1370	100	WFEA 1340	500
Davenport		WTBO 800	100	Jackson		Portsmouth	
WOC 1370	100	Hagerstown		WJDX 1270	1000	WHEB 740	250
Decorah		WJEJ 1210	100	Kosciusko		<b>NEW JERSEY</b>	
KGGA 1270	100	<b>MASSACHUSETTS</b>		WHEF 1500	100	Asbury Park	
KWLC 1270	100	Babson Park		Laurel		WCAP 1280	500
Des Moines		WBSO 920	500	WAML 1310	100	Atlantic City	
KSO 1320	500	Boston		Meridian		WPG 1100	5000
WHO 1000	50000	WAAB 1410	500	WCOC 880	500	Camden	
Iowa City		WBZ 990	50000	Vicksburg		WCAM 1280	500
WSUI 880	500	WEEI 590	1000	WQBC 1360	500	Jersey City	
Marshalltown		WHDH 830	1000	<b>MISSOURI</b>			
KFJB 1200	100	WMEX 1500	100	Cape Girardeau		WAAT 940	500
Shenandoah		WMFH 1120	500	KFVS 1210	100	WHOM 1450	250
KFNF 890	500	WNAC 1230	1000	Columbia		Newark	
KMA 930	1000	Fall River		KFRU 630	500	WHBI 1250	250
Sioux City		WSAR 1450	250	Jefferson City		WNEW 1250	1000
KSCJ 1330	1000	Lowell		WOS 630	500	WOR 710	5000
Waterloo		WLLH 1370	100	Joplin		Red Bank	
WMT 600	1000	New Bedford		WMBH 1420	100	WBRB 1210	100
<b>KANSAS</b>		WNBH 1310	100	Kansas City		Trenton	
Abilene		Springfield		KBMC 950	1000	WTNJ 1280	500
KPBI 1050	5000	WEZA 990	1000	KWKG 1370	100	Zarephath	
Coffeyville		WMAS 1420	100	WDAF 610	1000	WAWZ 1350	250
KGGF 1010	1000	Worcester		WHB 860	500	<b>NEW MEXICO</b>	
Dodge City		WORC 1280	500	W9XB 1530	1000	Albuquerque	
KGNO 1340	250	WTAG 580	500	St. Joseph		KGGM 1230	250
Kansas City		<b>MICHIGAN</b>		KFEQ 680	2500	KOB 1180	10000
WLPF 1420	100	Battle Creek		St. Louis		Clovis	
Lawrence		WELL 1420	50	KFUO 550	500	KICA 1370	100
KFKU 1220	1000	Bay City		KMOX 1090	50000	Roswell	
WREN 1220	1000	WBCM 1410	500	KSD 550	500	KGFL 1370	100
Manhattan		Calumet		KWK 1350	1000	Santa Fe	
KSAC 580	500	WHDF 1370	100	WEW 760	1000	KIUF 1310	100
Topeka		Detroit		WIL 1200	100	<b>NEW YORK</b>	
WIBW 580	1000	WBK 1500	100	Springfield		Albany	
Wichita		WJR 750	10000	KGBX 1230	500	WABY 1370	100
KPH 1300	1000	WMBC 1420	100	KWTO 560	1000	WOKO 1430	500
<b>KENTUCKY</b>		WWJ 920	1000	<b>MONTANA</b>			
Covington		WXYZ 1240	1000	Billings		Auburn	
WCKY 1490	5000	East Lansing		KGHL 780	1000	WMBU 1310	100
Lexington		WKAR 1040	1000	Butte		Binghamton	
WLAP 1420	100	Flint		KGIR 1360	1000	WNBF 1500	100
Louisville		WFDP 1310	100	Great Falls		Brooklyn	
WAVE 940	1000	Grand Rapids		KFBB 1280	1000	WARD 1400	500
WHAS 820	50000	WASH 1270	500	Kallspeil		WBBC 1400	500
Paducah		WOOD 1270	500	KGEZ 1310	100	WBRR 1300	1000
WPAD 1420	100	Ironwood		Missoula		WCNW 1500	100
<b>LOUISIANA</b>		WJMS 1420	100	KGVO 1200	100	WLTH 1400	500
Baton Rouge		Jackson		Wolf Point		WMBO 1500	100
WJBO 1420	100	WIBM 1370	100	KGCC 1310	100	WVFW 1400	500
Monroe		Kalamazoo		<b>NEBRASKA</b>			
KMLB 1200	100	WKZO 590	1000	Clay Center		WBEN 900	1000
New Orleans		Lansing		KMMJ 740	1000	WEBR 1310	500
WBNO 1200	100	WJIM 1210	100	Kearney		WGR 550	1000
WDSU 1250	1000	Lapeer		KGFW 1310	100	WKBW 1480	5000
WJWB 1200	100	WMPC 1200	100	Lincoln		WSVS 1370	50
WSMB 1320	500	Marquette		KFAB 770	5000	Canton	
WWL 850	10000	WBEO 1310	100	KFOR 1210	100	WCAD 1220	500
Shreveport		Muskegon		Norfolk		Chester	
KRMD 1310	100	WKBZ 1500	100	WJAG 1060	1000	WGNY 1210	100
KTBS 1450	1000	Royal Oak		North Platte		Elmira	
KWEA 1210	100	WEXL 1310	50	KGNF 1430	500	WESG 1090	1000
KWKH 1100	10000	<b>MINNESOTA</b>		Omaha		Freeport	
<b>MAINE</b>		Fergus Falls		WAAW 660	500	WGBB 1210	100
Augusta		Hibbing		WOW 590	1000	Jamestown	
WRDO 1370	100	WMFG 1210	100	Scottsbluff		WOCL 1210	50
Bangor		WCCO 810	50000	KGKY 1500	100	Long Island City	
WABI 1200	100	WDGY 1180	1000	York		W2XR 1550	1000
WLBZ 620	500	WLB 1250	1000	KGZ 930	500	New York	
		WTCN 1250	1000			WABC 860	50000
						WBNX 1350	250
						WBOQ 860	50000

WEAF	660	50000	WCOL	1210	100	Philadelphia		Chattanooga			
WEVD	1300	1000	WOSU	570	750	KYW	1020	10000	WDOD	1280	1000
WFAB	1300	1000	Dayton			WCAU	1170	50000	Jackson		
WHN	1010	1000	WLBW	1260	1000	WDAS	1370	100	WTJS	1310	100
WINS	1180	1000	WSMK	1380	200	WFI	560	500	Knoxville		
WJZ	760	50000	Mount Orab			WHAT	1310	100	WNOX	1010	1000
WLWL	1100	5000	WHBD	1370	100	WIP	610	1000	WROL	1310	100
WMCA	570	500	Toledo			WLIT	560	500	Memphis		
WNYC	810	500	WSPD	1340	1000	WPEN	920	250	WHBQ	1370	100
WOV	1130	1000	Youngstown			WRAX	920	250	WMC	780	1000
Olean			WKBN	570	500	WTEL	1310	100	WNBR	1430	500
WHDL	1420	100	Zanesville			Pittsburgh			WREC	600	1000
Plattsburg			WALR	1210	100	KDKA	980	50000	Nashville		
WMFF	1310	100				KQV	1380	500	WLAC	1470	5000
Rochester			OKLAHOMA			WCAE	1220	1000	WSM	650	50000
WHAM	1150	50000	Ada			WJAS	1290	1000	Springfield		
WHEC	1430	500	KADA	1200	100	WWSW	1500	100	WSIX	1210	100
Saranac Lake			Elk City			Reading			TEXAS		
WNBZ	1290	50	KASA	1210	100	WEEU	830	1000	Amarillo		
Schenectady			Enid			WRAP	1310	100	KGRS	1410	1000
WG Y	790	50000	KCRC	1370	100	Scranton			WDAG	1410	1000
Syracuse			Norman			WGBI	880	500	Austin		
WFBL	1360	1000	WNAD	1010	500	WQAN	880	250	KNOW	1500	100
WSYR	570	250	Oklahoma City			Sunbury			Beaumont		
Troy			KFXR	1310	100	WKOK	1210	100	KFDM	560	500
WHAZ	1300	500	KGFG	1370	100	Washington			College Station		
Utica			KOMA	1480	5000	WNBO	1200	100	WTAW	1120	500
WIBX	1200	100	WK Y	900	1000	Wilkes-Barre			Corpus Christi		
White Plains			Ponca City			WBAX	1210	100	KGFI	1500	100
WFAS	1210	100	WBBZ	1200	100	WBRE	1310	100	Dallas		
Woodside			Shawnee			Williamsport			KRLD	1040	10000
WWRFL	1500	100	KGFF	1420	100	WRAK	1370	100	WFAA	800	50000
NORTH CAROLINA			Tulsa			York			WRR	1280	500
Asheville			KTUL	1400	250	WORK	1000	1000	Dublin		
WUNC	570	1000	KVOO	1140	25000	PHILIPPINES			KFPL	1310	100
Charlotte			OREGON			Manila			El Paso		
WBT	1080	50000	Corvallis			KZEG	720	1000	KTSM	1310	100
WSOC	1210	100	KOAC	550	1000	KZRM	618.5	50000	WDAH	1310	100
Durham			Eugene			PORTO RICO			Fort Worth		
WDNC	1500	100	KORE	1420	100	San Juan			KFJZ	1370	100
Greensboro			Klamath Falls			WKAQ	1240	1090	KTAT	1240	1000
WBIG	1440	500	KFJI	1210	100	WNEL	1290	500	WBAP	800	50000
Raleigh			Marshfield			RHODE ISLAND			Galveston		
WPTF	680	5000	KOOS	1200	250	Providence			KLUF	1370	100
Rocky Mount			Medford			WEAN	780	500	Greenville		
WEED	1420	100	KMED	1310	100	WJAR	890	500	KFPM	1310	15
Wilmington			Portland			WPRO	630	100	Houston		
WMFD	1370	100	KALE	1300	500	SOUTH CAROLINA			KPRC	920	1000
Winston-Salem			KBPS	1420	100	Charleston			KTRH	1330	1000
WSJS	1310	100	KEX	1180	5000	WCSC	1360	500	KXYZ	1440	500
NORTH DAKOTA			KFJR	1300	500	Columbia			Longview		
Bismarck			KGW	620	1000	WIS	560	1000	KFRD	1370	100
KFYR	550	1000	KOIN	940	1000	Greenville			Lubbock		
Devils Lake			KWJW	1040	500	WFBC	1300	1000	KFYO	1310	100
KDLR	1210	100	KXL	1420	100	Spartanburg			Port Arthur		
Fargo			PENNSYLVANIA			WSPA	920	1000	KPAC	1260	500
WDAY	940	1000	Allentown			WWC	1420	1000	San Angelo		
Grand Forks			WCBA	1440	500	SOUTH DAKOTA			KGKL	1370	100
KFJM	1370	100	WSAN	1440	500	Aberdeen			San Antonio		
Mandan			Aitoma			KABR	1420	100	KABC	1420	100
KGGC	1240	250	WFBG	1310	100	Brookings			KMAC	1370	100
Minot			Clarion			KFDY	780	1000	KONO	1370	100
KLPM	1240	250	WWPA	850	250	Huron			K TSA	550	1000
OHIO			Glenside			KG DY	1340	250	WOAI	1190	50000
Akron			WIBG	970	100	Pierre			Tyler		
WADC	1320	1000	Greensburg			KGFX	630	200	KGKB	1500	100
WJW	1210	100	WHJJ	620	250	Rapid City			Waco		
Canton			Grove City			WCAT	1200	100	WAGO	1420	100
WBHC	1200	100	WSAJ	1310	100	Sioux Falls			Wosiaco		
Cincinnati			Harrisburg			KSOO	1110	1000	KRGV	1260	500
WFBE	1200	100	WHP	1430	500	Vermillion			Wichita Falls		
WKRC	550	1000	WKBO	1200	100	KUSD	890	500	KGKO	570	500
WLW	700	500,000	Hazleton			Watertown			UTAH		
WSAI	1330	1000	WAZL	1420	100	KWTN	1210	100	Ogden		
Cleveland			Johnstown			Yankton			KLO	1400	500
WGAR	1450	590	WJAC	1310	100	WNAX	570	1000	Salt Lake City		
WHK	1390	1000	Lancaster			TENNESSEE			KDYL	1290	1000
WJAY	610	500	WGAL	1500	100	Bristol			KSL	1130	50000
WTAM	1070	50000	WKJC	1200	100	WOPJ	1500	100	VERMONT		
Columbus									Burlington		
WAIU	640	500							WCAX	1200	100
WBNS	1430	500									

Rutland	
WSYB 1500	100
St. Albans	
WODM 1370	100
Springfield	
WNBX 1260	500
Waterbury	
WDEV 550	500

**VIRGINIA**

Arlington	
NAA 690	1000
Charlottesville	
WEHC 1420	100
Danville	
WBTM 1370	100
Lynchburg	
WLVA 1200	100
Newport News	
WGH 1310	100
Norfolk	
WTAR 780	500
Petersburg	
WPHR 880	500
Richmond	
WBBL 1210	100
WMBG 1210	100
WRVA 1110	5000
Roanoke	
WDBJ 930	1000
WRBX 1410	250
Staunton	
WSVA 550	500

**WASHINGTON**

Aberdeen	
KXRO 1310	100
Bellingham	
KVOS 1200	100
Everett	
KRKO 1370	50
Olympia	
KGY 1210	100
Pullman	
KWSC 1220	1000
Seattle	
KJR 970	5000
KOL 1270	1000
KOMO 920	1000
KPCB 710	250
KRSC 1120	100
KTW 1220	1000
KVL 1370	100
KXA 760	250
Spokane	
KFIO 1120	100
KFPY 1340	1000
KGA 900	1000
KHQ 590	1000
Tacoma	
KMO 1330	250
KVI 570	1000
Walla Walla	
KUJ 1370	100
Wenatchee	
KPO 1500	100
Yakima	
KIT 1310	100

**WEST VIRGINIA**

Bluefield	
WHIS 1410	250
Charleston	
WCBS 580	500
Fairmont	
WMMN 890	250
Huntington	
WSAZ 1190	1000
Wheeling	
WWVA 1160	5000

**WISCONSIN**

Eau Claire	
WTAQ 1330	1000
Fond du Lac	
KFIZ 1420	100

Green Bay	
WBHY 1200	100
Janesville	
WCLO 1200	100
LaCrosse	
WKBH 1380	1000
Madison	
WHA 940	2500
WIBA 1280	1000
Manitowoc	
WOMT 1210	100
Milwaukee	
WISN 1120	250
WTMJ 620	1000
Poyntette	
WIBU 1210	100
Racine	
WRJN 1370	100
Sheboygan	
WHBL 1410	500
Stevens Point	
WLBL 900	2500
Superior	
WEBC 1290	1000

**WYOMING**

Casper	
KDFN 1440	500
Sheridan	
KWYO 1370	100

**CANADA**

**ALBERTA**

Calgary	
CFAC 930	100
CFGN 1030	10000
CJGJ 690	100
Edmonton	
CFRN 1260	100
CJCA 730	500
CKUA 580	500
Lethridge	
CJOC 1230	100

**BRITISH COLUMBIA**

Chilliwack	
CHWK 780	100
Kamloops	
CFJC 880	100
Kelowna	
CKOV 630	100
Trail	
CJAT 910	250
Vancouver	
CJOR 600	500
CKCD 1010	100
CKFK 1410	50
CKMO 1410	100
CKWX 1010	100
CRCV 1100	1000
Victoria	
CFCT 1450	50

**MANITOBA**

Brandon	
CKX 1120	500
Winnipeg	
CJRC 1390	100
CKY 960	15000

**NOVA SCOTIA**

Glace Bay	
VAS 685	2000
Halifax	
CIIS 930	500
Sydney	
CJCB 1240	1000
Wolfville	
CKIG 1010	50

Yarmouth	
CJLS 1310	100

**ONTARIO**

Brantford	
CKPC 930	100
Chatham	
CFGO 1050	100
Cobalt	
CKMC 1210	50
Fort William	
CKPR 930	50
Hamilton	
CHML 1010	50
CKOC 1120	500
Kingston	
CFRC 1510	100
Kirkland Lake	
CJKL 1310	100
London	
CFPL 730	100
North Bay	
CFCH 930	100
Ottawa	
CKCO 1010	100
CRGO 880	1000
Prescott	
CFLC 930	100
St. Catharines	
CKTB 1200	100
Sault Ste. Marie	
CJIC 890	100
Stratford	
10-AK 1200	15
Sudbury	
CKSO 780	1000
Timmins	
CKGB 1420	100
Toronto	
CFRB 690	10000
CKCL 580	100
CKNC 1420	100
GRCT 840	5000
Waterloo	
CKCR 1510	100
Windsor	
CKLW 1030	5000
CRCW 600	500
Wingham	
10-BP 1200	25

**PRINCE EDWARD ISLAND**

Charlottetown	
CFCY 630	500
CHGK 1310	50
Summerside	
CHGS 1450	50

**QUEBEC**

Chicoutimi	
CRCS 950	100
Hull	
CKGH 1210	100
Montmagny	
VE9EK 1185	10
Montreal	
CFCF 600	500
CHLP 1120	100
CKAC 730	5000
CRGM 910	5000
New Carleton	
CHNC 1210	100
Quebec	
CHRC 580	100
CKCV 1310	50
CRCK 1050	1000

**SASKATCHEWAN**

Canora	
10-BU 1200	50
Moose Jaw	
CHAB 1200	100
CJRM 540	1000
Prince Albert	
CKBI 1210	100

Regina	
CHWC 1010	500
CKCK 1010	500
Saskatoon	
CFQC 840	1000
Yorkton	
CJGX 630	500

**NEWFOUNDLAND**

St. John's	
VOAC 1300	40
VOAS 940	100
VOGJ 840	400
VONF 950	5000
VOWR 681	500

**MIQUELON**

St. Pierre	
FON 609	250

**CENTRAL AMERICA**

**COSTA RICA**

Cartago	
TIFS 1441	7.5
TIGA 1014	30
San Jose	
TICR 912	75
TIEA 833	7.5
TIEP 1450	7.5
TIFB 714	30
TIGP 800	75
TIRCA 1100	500
TISO 550	250
TITV 999	7.5
TIVL 835	30
TIAX 614	7.5

**GUATEMALA**

Guatemala City	
TGW 565	10000
TGX 1400	150

**NICARAGUA**

Granada	
YNCRG 870	150
EL SALVADOR	
San Salvador	
RDN 680	500

**MEXICO**

**AGUASCALIENTES**

Aguascalientes	
XFA 1310	5
XFC 810	350

**BAJA CALIFORNIA**

Agua Caliente	
XEBC 730	5000
Ensenada	
XEG 1280	500
Mexicali	
XEAA 920	200
XEAO 560	250
Tijuana	
XEC 1310	50
XEFL 1160	5000
XEMO 860	2500

**CHIHUAHUA**

Chihuahua	
XEFI 1440	250
Juarez	
XEFV 1210	100
XEJ 1020	1250

**COAHUILA**

Piedras Negras	
XEPN 590	5000
Saltillo	
XEOX 640	250
Torreón	
XETB 1310	125
D. F.	
Mexico City	
XEAI 1240	100

XEB	1030	10000
XECW	1310	10
XEFA	1180	500
XEFG	1100	250
XEFO	940	5000
XEFZ	1370	100
XEK	990	100
XEN	710	1000
XEO	940	5000
XEP	820	500
XETW	820	500
XEW	890	50000
XEWZ	1150	100
XEXX	845	500
XEYZ	780	10000
XFX	610	1000

<b>DURANGO</b>		
Durango		
XEE	1210	50

<b>GUANAJUATO</b>		
Leon		
XEAZ	1420	100
XEKL	1240	500

<b>JALISCO</b>		
Guadalajara		
XEA	1060	125
XED	1160	500

<b>MICHOACAN</b>		
Morelia		
XEI	1370	125

<b>NUEVO LEON</b>		
Monterrey		
XEFB	1420	100
XEFJ	1230	100
XEH	1150	250
XET	690	500
XEX	1310	125

<b>PUEBLA</b>		
Puebla		
XETH	1210	100

<b>SAN LUIS POTOSI</b>		
San Luis Potosi		
XEZZ	1370	100

<b>SONORA</b>		
Nogales		
XEAF	1080	250

<b>TAMAULIPAS</b>		
Nuevo Laredo		
XEAM	750	50
XEFE	1370	100
XENT	910	60000

<b>Reynosa</b>		
XEAW	950	10000

<b>Tampico</b>		
XEFW	1310	250
XEMA	1080	50
XES	970	250

<b>VERACRUZ</b>		
Jalapa		
XFB	1270	250
Orizaba		
XFD	1340	250
Veracruz		
XEU	1010	250

<b>YUCATAN</b>		
Merida		
XEFC	1310	100
XEZ	630	500

<b>WEST INDIES</b>		
<b>CUBA</b>		
Caibarien		
CMHD	950	500
Camaguey		
CMJC	1382	150
CMJE	1170	50
CMJF	930	200
CMJG	1050	50
CMJK	790	150
CMJL	960	50

<b>Cardenas</b>		
CMGE	1375	30

<b>Ciego de Avila</b>		
CMJH	1150	50
CMJI	1210	150
CMJO	1010	50

<b>Glentuegos</b>		
CMHJ	1125	40
CMHW	910	100

<b>Colon</b>		
CMGI	1094	30

<b>Cruces</b>		
CMHK	1225	50

<b>Guantanamo</b>		
CMKJ	1300	20

<b>Havana</b>		
CMAF	680	1000
CMBC	1035	150
CMBD	1350	150
CMBG	1150	225
CMBS	775	150
CMBX	1425	150
CMBY	635	250
CMCZ	1005	100
CMC	835	500
CMCA	1230	150
CMCB	1060	150
CMCD	955	250
CMCF	610	250
CMCG	1125	150
CMCJ	1200	400
CMCN	1500	250
CMCO	1280	150
CMCP	1270	150
CMCQ	680	1000
CMCR	1400	150
CMCU	1255	150
CMCV	755	150
CMCX	865	150
CMCY	1100	500
CMK	725	3150
CMOK	1230	250
CMOX	1325	200
CMQ	840	5000
CMW	930	1400
CMX	905	1000
COA	1175	500

<b>Holquin</b>		
CMKF	1363	30

<b>Manzanillo</b>		
CMKM	940	100

<b>Matanzas</b>		
CMGF	971.5	100
CMGH	1040	15

<b>Moron</b>		
CMJP	1360	75

<b>Sagua la Grande</b>		
CMHA	1103	50

<b>San Spiritus</b>		
CMHB	1245	30

<b>Santa Clara</b>		
CMHI	1037	250

<b>Santiago</b>		
CMKC	1034	150

<b>DOMINICAN REPUBLIC</b>		
San Pedro de Marcoris		
HIH	1395	15
Santo Domingo		
HIJ	1195	15
HIX	1270	1000
HIZ	1300	10

<b>HAITI</b>		
Port-au-Prince		
HHK	920	1000

<b>SOUTH AMERICA</b>		
<b>ARGENTINA</b>		
Bahia Blanca		
LU2	800	500
LU7	1280	5000

<b>Buenos Aires</b>		
LR1	1070	500
LR2	910	8500
LR3	950	12000
LR4	990	12000
LR5	830	16000
LR6	870	2100
LR7	750	1000
LR8	1150	5000
LR9	1030	5000
LR10	790	8000
LR11	1390	1000
LS1	710	5000
LS2	1190	40000
LS3	630	4500
LS4	670	6000
LS5	1110	4500
LS6	1350	3500
LS7	1310	3000
LS8	1230	2000
LS9	1270	5000
LS10	590	3500
LS11	1430	1000

<b>Cordoba</b>		
LV2	880	500
LV3	620	2000

<b>La Plata</b>		
LP9	1430	1500

<b>Mar del Plata</b>		
LU6	1380	50

<b>Mendoza</b>		
LT4	760	200
LV10	860	500

<b>Resistencia</b>		
LT5	1380	500

<b>Rosario</b>		
LT1	780	5000
LT3	1080	3500
LT8	840	350
LT9	1060	600

<b>Salta</b>		
LV9	900	500

<b>San Juan</b>		
LV1	730	650
LV5	1120	700

<b>Santa Fe</b>		
LT10	1300	200

<b>Tucuman</b>		
LV7	820	500

<b>BOLIVIA</b>		
La Paz		
CPX	1250	5000
CP4	1040	10000

<b>BRAZIL</b>		
Amparo		
PRC4	1304	50
Bahia		
PRA4	857	50
Belom		
PRC5	1360	100
Bello Horizonte		
PRC7	1090	250
Campinas		
PRC9	1170	20
Curitiba		
PRB2	882	250
Luiz de Fora		
PRB3	857	250
Mogy das Cruzes		
PRB8	1000	50
Pelotas		
PRC3	920	250
Porto Alegre		
PRC2	1090	500
Recife		
PRA8	750	500
Riborirao Preto		
PRA7	1153	50
Rio de Janeiro		
PRA2	750	1500
PRA3	934	2500
PRA9	1080	1000
PRB7	833	500
PRC6	1364	1000

<b>Santos</b>		
PRB4	1000	1000
<b>Sao Paulo</b>		
PRA5	750	100
PRA6	857	1000
PRB5	1150	50
PRB9	1017	500
PRD2	935	1000

<b>CHILE</b>		
<b>Concepcion</b>		
CE124	1245	100
CE141	1410	100
<b>Curico</b>		
CE120	1205	100
<b>Magallanes</b>		
CE104	1040	100
CE143	1430	100
<b>Osorno</b>		
CE111	1115	100
CE133	1335	100
<b>Rancagua</b>		
CE132	1325	100
CE139	1390	100
CE145	1450	100

<b>Santiago</b>		
CE58	585	1000
CE62	625	500
CE66	665	1000
CE70	705	1000
CE74	745	1000
CE78	785	1000
CE82	825	1000
CE86	865	1000
CE90	905	1000
CE94	945	1000
CE98	985	1000
CE102	1025	100
CE106	1065	500
CE107	1075	100
CE110	1105	100
CE114	1145	100
CE122	1225	250
CE130	1305	100
CE131	1315	100
CE138	1385	100
CE142	1425	100
CE146	1465	500
<b>Talca</b>		
CE115	1155	100
<b>Temuco</b>		
CE92	920	100
CE128	1280	500

<b>Vaidivia</b>		
CE103	1035	100
<b>Valparaiso</b>		
CE76	760	10000
CE81	805	100
CE88	885	100
CE109	1090	105
CE117	1170	250
CE125	1250	100
Vina del Mar		
CE121	1210	100

<b>COLOMBIA</b>		
<b>Bogota</b>		
HJN	681	1000
HJ3ABB	909	50
HJ3ABD	881	50
HJ3ABE	1260	50
HJ3ABH	1000	1000
Pereira		
HJ4ABC	1000	50
<b>ECUADOR</b>		
<b>Guyaquil</b>		
HC2E1	1153	300
HC2JB	1250	30

<b>PARAGUAY</b>		
<b>Asuncion</b>		
ZP1	1135	1000
ZP3	1000	300
ZP4	1275	150
ZP5	1465	150
ZP9	887	....

<b>PERU</b>											
Lima											
OAX	750	5000									
<b>URUGUAY</b>											
Artigas	1380	20									
Canelones											
CW47	1480	100									
Florida											
CW39	1320	75									
Melo											
CW43	1400	20									
<b>Montevideo</b>											
CX2	570										
CX4	610	1000									
CX6	650	10000									
CX8	690	1000									
CX10	730	1000									
CX12	770	1000									
CX14	810	5000									
CX16	850	2500									
CX18	890	750									
CX20	930	2000									
CX22	970	250									
CX24	1010	10000									
CX26	1050	5000									
CX28	1090	3000									
CX30	1130	500									
CX34	1210	500									
CX36	1250	250									
CX38	1290	500									
CX40	1330	500									
CX42	1370	1000									
CX44	1410	200									
CX46	1450	100									
CX48	1490	1500									
<b>Paysandu</b>											
CW40	1340	30									
CW44	1420	100									
<b>Salto</b>											
CW32	1180	250									
CW34	1220	250									
CW36	1260	30									
CW38	1300	30									
<b>San Jose</b>											
CW41	1360	50									
<b>Tucumã</b>											
CW30	1140										
CW46	1460	30									
<b>VENEZUELA</b>											
<b>Caracas</b>											
YV1RC	960	5000									
YV2RC	882	100									
YV3RC	1200	1000									
YV4RC	1100										
<b>Maracaibo</b>											
YV17BMO											
	1153	500									
<b>Valencia</b>											
YV6RV	675	3000									
<b>EUROPE</b>											
<b>AUSTRIA</b>											
<b>Dornbirn</b>											
	1294	500									
<b>Graz</b>											
	886	7000									
<b>Innsbruck</b>											
	519	500									
<b>Klagenfurt</b>											
	1294	4200									
<b>Linz</b>											
	1294	500									
<b>Salzburg</b>											
	1348	500									
<b>Vienna</b>											
	592	120000									
<b>BELGIUM</b>											
<b>Antwerp</b>											
ON4EB	1465	100									
<b>Bincho</b>											
	1492	100									
<b>Brussels</b>											
No. 1	620	15000									
No. 2	932	15000									
<b>Chattellneau</b>											
ON4CE	1492	100									
<b>Courtrai</b>											
	1465	100									
<b>Liege</b>											
ON4RW	1500	100									
<b>Radio Comte</b>											
	1500	100									
<b>Seraing</b>											
	1500	100									
<b>Verviers</b>											
No. 1	1500	100									
No. 2	1500	100									
<b>Wallonia</b>											
No. 1	1492	100									
No. 2	1500	100									
<b>BULGARIA</b>											
<b>Sofia</b>											
	850	1000									
<b>CZECHOSLOVAKIA</b>											
<b>Bratislava</b>											
OKR	1004	13500									
<b>Brno</b>											
OKB	922	32000									
<b>Kosice</b>											
	1158	2600									
<b>Moravska</b>											
OKK	1113	11200									
<b>Praha</b>											
OKP	638	120000									
No. 2	1204	5000									
<b>DANZIG</b>											
<b>Danzig</b>											
	1303	500									
<b>DENMARK</b>											
<b>Copenhagen</b>											
	1175	10000									
<b>ESTONIA</b>											
<b>Tallinn</b>											
	731	20000									
<b>FINLAND</b>											
<b>Helsinki</b>											
OFA	895	10000									
<b>Pietarsaari</b>											
	1500	200									
<b>Pori</b>											
OFD	749	500									
<b>Tampere</b>											
OFE	1420	1200									
<b>Turku</b>											
	1492	600									
<b>Viipturi</b>											
OFH	527	13200									
<b>FRANCE</b>											
<b>Agen</b>											
	968	1500									
<b>Beziers</b>											
	1429	1500									
<b>Bordeaux</b>											
	1077	12000									
	1348	1000									
<b>Grenoble</b>											
	583	15000									
<b>Lille</b>											
	1213	5000									
<b>Limoges</b>											
	895	500									
<b>Lyons</b>											
YN	648	15000									
RL	1393	5000									
<b>Marseilles</b>											
	749	1600									
<b>Montpellier</b>											
	1339	5000									
<b>Nico</b>											
	1249	2000									
<b>Nimes</b>											
	1492	200									
<b>Paris</b>											
FPTT	695	7000									
F8GC	810	1200									
LL	1424	800									
PP	959	100000									
<b>Radio-Normandie</b>											
	1456	10000									
<b>Radio-Vitus</b>											
	1348	2000									
<b>Rennes</b>											
	1040	2500									
<b>Strasbourg</b>											
SPTT	859	40000									
<b>Toulouse</b>											
	776	700									
	913	60000									
<b>GERMANY</b>											
<b>Augsburg</b>											
	1267	2000									
<b>Berlin</b>											
	841	100000									
<b>Bremen</b>											
	1330	1500									
<b>Breslau</b>											
	950	60000									
<b>Cassel</b>											
	1195	1500									
<b>Cologne</b>											
	658	17000									
<b>Dresden</b>											
	1285	250									
<b>Flensburg</b>											
	1330	1500									
<b>Frankfurt</b>											
	1195	17000									
<b>Freiburg</b>											
	1195	5000									
<b>Gleiwitz</b>											
	1231	5000									
<b>Hamburg</b>											
	904	100000									
<b>Hanover</b>											
	1330	1500									
<b>Kaiserslautern</b>											
	1195	1500									
<b>Konigsberg</b>											
	1031	60000									
	1348	500									
<b>Leipsig</b>											
	785	120000									
<b>Magdeburg</b>											
	1330	1500									
<b>Munich</b>											
	740	100000									
<b>Nurnberg</b>											
	1267	2000									
<b>Stettin</b>											
	1330	1500									
<b>Stuttgart</b>											
	574	100000									
<b>Trier</b>											
	1195	2000									
<b>GREAT BRITAIN</b>											
<b>Aberdeen</b>											
	1285	1000									
<b>Bournemouth</b>											
	1474	1000									
<b>Cardiff</b>											
WR	977	50000									
WN	1149	50000									
<b>Davertry</b>											
MR	767	25000									
<b>Falkirk</b>											
SN	1050	50000									
SR											

Persgrund		
LKP	850	700
Rjukan		
LKR	1348	150
Stavanger		
LKS	1276	500
Tremsoe		
LKM	1204	100
Trondelag		
.....	629	1200

**POLAND**

Cracow	986	2000
Katowice		
.....	758	12000
Lodz		
.....	1339	1700
Lwow		
.....	795	16000
Poznan		
.....	868	16000
Warsaw		
No. 2	1384	2000
Wilno		
.....	536	16000

**PORTUGAL**

Lisbon		
CTIAA	629	15000
CTIDH	1411	10
CTIDR	1386	.....
Oporto		
CTIRP	1220	.....
Parade		
CTIGL	1031	5000

**ROUMANIA**

Bucharest		
.....	823	12000

**SPAIN**

Barcelona		
EAJ1	795	7500
EAJ15	1022	3000
Los Palmas		
EAJ50	1500	250
Madrid		
EAJ2	731	3000
EAJ7	1095	10000
Ovledo		
EAJ19	1022	700
San Sebastian		
EAJ8	1258	3000
Seville		
EAJ5	731	1500
Valencia		
EAJ3	850	1500

Spain has many stations of 100 watts or less on 1492 and 1500 kcs. For complete list see Index by Calls.

**SWEDEN**

Falun		
SCC	1086	2000
Goteborg		
SBB	941	10000
Horby		
SBH	1131	10000
Karlskrona		
SCJ	1530	200
Karlstad		
SCK	1312	250
Malmo		
SBC	1312	1250
Norrkoping		
SCO	1312	250
Stockholm		
SBA	704	55000
Sundsvall		
SBD	601	10000

Trollhattan		
SCQ	1312	250
Swedish Common		
Wave 1402.		
See Index by Calls.		

**SWITZERLAND**

Basle		
.....	1375	500
Berne		
.....	1375	500
Beromunster		
.....	556	100000
Monte Ceneri		
.....	1167	15000
Sottens		
.....	677	25000

**U. S. S. R.**

Alexandrovsk		
RW38	580	1200
Archangel		
RW36	662	10000
Astrakhan		
RW35	589	10000
Dnepropetrovsk		
RW30	913	10000
Ellsta		
RW32	671	2000
Engels		
RW55	959	1000
Frounze		
RW82	608	4000
Gomel		
RW40	959	1200
Gorki		
RW42	598	10000
Groznyl		
RW23	676	1200
Igarka		
RW85	635	2000
Ijovsk		
RW78	825	4000
Iochar-Ola		
RW61	888	1000
Ivanovo		
RW31	625	10000
Karaganda		
RW46	653	10000
RW46	686.5	1200
Kazan		
RW17	644	10000
Kharkov		
RW20	1185	20000
Kiev		
RW9	722	36000
Krasnodar		
RW33	1050	10000
Leningrad		
RW70	1040	10000
Magnitogorsk		
.....	571	10000
Makhatch		
RW27	689	4000
Minsk		
RW10	1438	100000
Moskva		
RW39	832	100000
Mourmansk		
RW79	610	10000
Naltchik		
RW51	748.1	1200
Odessa		
RW69	968	3000
Oufa		
RW22	617	10000
Oukhta		
RW67	968	10000
Oust-Abakansk		
RW84	635	1200
Penza		
RW56	640	1200
Petropavlovsk		
RW71	689	1200

Petrozavodsk		
RW29	648	10000
Saransk		
RW65	734	1000
Simferopol		
RW52	859	10000
RW73	725	10000
Stalingrad		
RW34	554	10000
Stallino		
RW26	776	10000
Sytkytvkar		
RW41	563	1200
Tchoboksary		
RW74	680	1200
Tchobabinsk		
RW68	824	200
Tcherngov		
RW86	1013	10000
Tiraspol		
RW57	1068	10000
Tomsk		
RW48	645	1200
Vinnetzta		
RW75	1095	10000
Urdjonikidze		
RW64	752	10000
Vladivostok		
RW28	635	700
RW28	725	10000

**YUGOSLAVIA**

Belgrade		
.....	686	2500
Ljubijana		
.....	527	5000
Zagreb		
.....	1086	700

**ASIA**

**CEYLON**

Colombo	700	1750
VPB		

**CHINA**

Canton		
CAB	658	1000
XGOK	750	1000
XKRI	1071	7.5
Chang-Chow		
XGDZ	1470	10
XWGT	1330	50
Chang-sha		
XGTM	840	15
Che-tsang		
XGCK	990	7.5
Foo-chow		
XGOF	634.8	1000
Hangchow		
XGOD	1000	1000
XHHA	1370	50
Kiangyin		
XGSA	1335	10
Hongkong		
ZBW	845	2000
Ho-pi		
MABS	1250	35
Kashung		
XGKA	895	15
XGML	714.3	7.5
XLKS	1490	20
Kwangchow		
CMB	677	1000
Kwangsti		
XGOE	1070	1000
Lo Yang		
XGOB	1090	250
Nan-chang		
XGOC	1130	500
Nanking		
XGOA	660	75000
Ningpo		
XLIA	1320	15

Peiping		
XGOP	950	100
XHPA	1194	30
XOPP	952.3	100
Sang Lum		
XGSL	1401.8	10
Shanghai		
FFZ	1400	250
XHHA	840	150
XHHB	740	50
XHHG	780	50
XHHH	860	50
XHHE	940	100
XHHF	960	100
XHHG	1020	100
XHHH	1040	100
XHHI	900	100
XHHJ	1080	200
XHHK	1420	100
XHHM	1180	100
XHHN	1200	100
XHHP	1260	100
XHHO	1280	80
XHHR	1340	50
XHHS	1100	100
XHHU	1160	100
XHHV	880	100
XHHX	920	1000
XHHY	1240	100
XLHB	560	45
XLHC	720	50
XLHD	720	50
XLHE	1380	75
XLHF	1380	50
XLHI	760	7.5
XLHJ	760	22.5
XLHK	800	7.5
XLHL	800	30
XLHM	1120	50
XLHN	1120	200
XLHO	1280	15
XLHO	1440	30
XMHA	600	600
XMHB	980	500
XMHC	700	500
XMMD	980	500
XQHA	580	250
XQHB	820	30
XQHC	1300	400
XQHD	1360	200
XQHE	1460	250
XQHF	1480	200
Soochow		
XGKL	1450	15
Taiyuan		
XO FY	1000	50
Tientsin		
XLKB	1230	7.5
Tsinan		
XGF	833.3	7.5
XOCL	1500	7.5
XOST	855	500
T'ung Hsien		
LUHO	750	20
Wei-hai-wei		
XGGW	950	100
Wu-chow		
XHGS	730	50
Wu-hu		
XD YF	1270	15
Wu-ning		
XGHN	600	1000
Wushih		
XHKT	1170	15
XLCH	970	50
XLTC	1210	15
XLWT	1310	50
XLWU	1250	50
Yunnan		
XGOY	731.7	500

**FORMOSA**

Taihoku		
JFAK	670	10000





# INDEX BY CALL LETTERS

CAB	658	CJRC	1390	CMOK	1230	EAJ25	1500	JOHK	770	KGAR	1370	KOIL	1260
CE58	585	CJRM	540	CMOX	1325	EAJ26	1500	JOIK	830	KGB	1330	KOIN	940
CE62	625	CKAC	730	CMQ	840	EAJ27	1492	JOJK	710	KGBU	900	KOL	1270
CE66	665	CKBI	1210	CMW	930	EAJ29	1500	JOJK	700	KG BX	1230	KOMA	1480
CE70	705	CKCD	1010	CMX	905	EAJ30	1500	JOLK	680	KGZ	930	KOMO	920
CE74	745	CKCH	1210	CNO	983	EAJ31	1492	JONK	940	KGCA	1270	KONO	1370
CE76	760	CKCK	1010	CNR	601	EAJ32	1500	JOOK	960	KGCU	1240	KOOS	1200
CE78	785	CKCL	580	COA	1175	EAJ33	1492	JOJK	780	KG CX	1310	KORE	1420
CE81	805	CKCO	1010	CPX	1250	EAJ34	1492	JOJK	920	KGDE	1200	KOTN	1500
CE82	825	CKCR	1510	CP4	1040	EAJ35	1500	JORK	720	KGDM	1100	KOY	1390
CE86	865	CKCV	1310	CRCK	1050	EAJ36	1500	JOSK	735	KGDY	1340	KPAC	1260
CE88	885	CKCW	1370	CRCM	910	EAJ37	1500	JOTK	625	KGEK	1200	KPCB	710
CE90	905	CKFC	1440	CRCS	880	EAJ38	1500	JOUK	645	KGER	1350	KPJM	1500
CE92	920	CKGB	1420	CRCS	950	EAJ39	1492	JOVK	680	KGEZ	1310	KPO	680
CE94	945	CKIC	1010	CRCT	840	EAJ40	1500	JOVK	980	KGFF	1420	KPOF	880
CE98	985	CKLW	1030	CRCV	1100	EAJ41	1492	JQAK	650	KGFG	1370	KPPC	1210
CE102	1020	CKMC	1210	CRCW	600	EAJ42	1492	KABC	1420	KGFI	1500	KPRC	920
CE103	1035	CKMO	1410	CTIAA	629	EAJ43	1492	KABR	1420	KGFI	1200	KPRC	920
CE104	1040	CKNC	1420	CTIDH	1411	EAJ44	1492	KADA	1200	KGFK	1500	KQV	1380
CE106	1065	CKOC	1120	CTIDR	1386	EAJ45	1500	KALE	1300	KGFL	1370	KQW	1010
CE107	1075	CKOV	630	CTIGL	1031	EAJ46	1492	KARK	890	KGFV	1310	KRE	1370
CE109	1090	CKPK	930	CTIRP	1120	EAJ47	1492	KASA	1210	KGFX	630	KREG	1500
CE110	1105	CKPR	930	CW30	1240	EAJ48	1492	KBPS	1420	KGGC	1420	KRGV	1260
CE111	1115	CKSO	780	CW32	1180	EAJ49	1500	KBTM	1200	KGGF	1010	KRDK	1120
CE114	1145	CKTB	1200	CW34	1220	EAJ50	1500	KCMC	1420	KGGM	1230	KRKO	1370
CE115	1155	CKUA	580	CW36	1260	EAJ51	1492	KCRC	1370	KGHF	1320	KRLD	1040
CE117	1170	CKWX	1010	CW38	1300	EAJ52	1492	KCRJ	1310	KGHI	1200	KRMD	1310
CE120	1205	CKX	1120	CW39	1320	EAJ53	1492	KDB	1500	KGHL	780	KROW	930
CE121	1210	CKY	960	CW40	1340	EAJ55	1492	KDFN	1440	KGIR	1350	KRSC	1120
CE122	1220	CKMAF	680	CW41	1360	FFZ	1400	KDKA	980	KGIW	1420	KSAC	580
CE124	1245	CMB	677	CW42	1380	FQN	609	KDLR	1210	KGITX	1420	KSJC	1330
CE125	1255	CMBB	1035	CW43	1400	F8GC	810	KDYL	1290	KGKB	1500	KSD	550
CE128	1285	CMBD	1350	CW44	1420	F31CD	840	KECA	1430	KGLL	1370	KSEI	900
CE130	1305	CMBG	1150	CW46	1460	HAE	1122	KELW	780	KGKO	570	KSL	1130
CE131	1315	CMB5	775	CW47	1480	HAE2	1438	KERN	1370	KGKY	1500	KSLM	1370
CE132	1325	CMBX	1425	CX2	570	HAE3	1438	KEX	1180	KGM6	1320	KSO	1320
CE133	1335	CMBY	635	CX4	610	HAE4	1465	KFAB	770	KGNF	1430	KSOO	1110
CE138	1380	CMBZ	1005	CX6	650	HAL	546	KFAC	1300	KGNO	1340	KSTP	1460
CE139	1390	CMC	835	CX8	690	HAL2	1321	KFB8	1280	KGO	790	KSUN	1200
CE141	1410	CMCA	1230	CX10	730	HC2ET	1153	KFBI	1050	KGRS	1410	KTAB	560
CE142	1425	CMCB	1060	CX12	770	HC2JB	1250	KFBK	1310	KGU	750	KTAR	620
CE143	1430	CMCD	955	CX14	810	HHK	920	KFDM	560	KGVO	1200	KTAT	1240
CE145	1450	CMCF	610	CX16	850	HIH	1395	KFDY	780	KGW	620	KTBS	1450
CE146	1465	CMCG	1125	CX18	890	HIJ	1195	KFEL	920	KGY	1210	KTFI	1240
CFAC	930	CMCJ	1200	CX20	930	HIX	1270	KFEQ	680	KHJ	900	KTHS	1060
CFCF	600	CMCK	1320	CX22	970	HIZ	1300	KFGQ	1370	KHQ	590	KTM	780
CFCH	930	CMCN	1500	CX24	1010	HJN	681	KFH	1300	KICA	1370	KTRB	740
CFCN	1030	CMCO	1280	CX26	1050	HJ3ABB	909	KFI	640	KID	1320	KTRH	1330
CFCO	1050	CMCP	1270	CX28	1090	HJ3ABD	881	KFIO	1120	KIDO	1350	KTSA	550
CFCT	1450	CMCQ	680	CX30	1130	HJ3ABE	1200	KFIZ	1420	KIDW	1420	KTSM	1310
CFCY	630	CMCR	1400	CX32	1170	HJ3ABH	1000	KFJB	1200	KIEM	1210	KTUL	1400
CFJC	880	CMCU	1255	CX34	1210	HJ4ABC	1000	KFJI	1210	KIEV	850	KTW	1220
CFLC	930	CMCW	755	CX36	1250	HSP1	857	KFJR	1370	KIT	1310	KUJ	1370
CFNB	550	CMCX	865	CX38	1290	H57PJ	882	KFJR	1300	KIUJ	1310	KUMA	1420
CFPL	730	CMCY	1100	CX40	1330	1BA	1059	KFJZ	1370	KJBS	1070	KUOA	1260
CFQC	840	CMGE	1375	CX42	1370	1BZ	536	KFKA	880	KJR	970	KUSD	890
CFRB	690	CMGF	971.5	CX44	1410	1FI	609	KFKU	1220	KLCN	1290	KVI	570
CFRC	1510	CMGH	1040	CX46	1450	1GE	986	KFNF	890	KLO	1400	KVL	1370
CFRN	1260	CMGI	1094	CX48	1490	1MI	814	KFOR	1210	KLPM	1240	KVOA	1260
CHAB	1200	CMHA	1103	EAJ1	795	1NA	1104	KFOX	1250	KLRA	1390	KVOD	920
CHCK	1310	CMHB	1245	EAJ2	731	1PA	565	KFPL	1310	KLS	1440	KVOO	1140
CHGS	1450	CMHD	950	EAJ3	850	1RO	713	KFPM	1310	KLUF	1370	KVOR	1270
CHLP	1120	CMHI	1037	EAJ4	1492	1TO	1140	KFPW	1210	KLX	880	KVOS	1200
CHML	1010	CMHJ	1125	EAJ5	731	1TR	1222	KFPY	1340	KLZ	560	KWCR	1430
CHNC	1210	CMHK	1225	EAJ6	1492	JFAK	670	KFQD	780	KMA	930	KWEA	1210
CHNS	930	CMHW	910	EAJ7	1095	JFBK	720	KFRC	610	KMAC	1370	KWFV	1210
CHRC	580	CMJC	1382	EAJ8	1258	JOAG	930	KFR0	1370	KMBC	950	KWG	1200
CHSJ	1120	CMJE	1170	EAJ9	1492	JOAK-1	870	KFRU	630	KMED	1310	KWJJ	1040
CHWC	1010	CMJF	930	EAJ10	1492	JOAK-2	590	KFSD	600	KMJ	580	KWK	1350
CHWK	780	CMJG	1050	EAJ11	1500	JOBG	970	KFSG	1120	KMLB	1200	KWKK	1370
CJAT	910	CMJH	1150	EAJ12	1492	JOBK-1	750	KFUG	550	KMMJ	740	KWKH	1100
CJCA	730	CMJI	1210	EAJ13	1492	JOBK-2	1085	KFVD	1000	KMO	1330	KWLC	1270
CJCB	1240	CMJK	790	EAJ14	1500	JOCG	655	KFVS	1210	KMOX	1090	KWSC	1220
CJ CJ	690	CMJL	960	EAJ15	1022	JOCK-1	810	KFWB	950	KMPC	710	KWTN	1210
CJCS	780	CMJD	1010	EAJ16	1492	JOCK-2	1175	KFXD	1200	KMTR	570	KWTO	560
CJCG	830	CMJP	1360	EAJ17	1492	JODG	635	KFXJ	1200	KNOW	1500	KWYO	1370
CJJC	890	CMK	725	EAJ19	1022	JODK-1	900	KFXM	1210	KNX	1050	KXA	760
CJJK	1310	CMKC	1034	EAJ20	1492	JODK-2	610	KFXR	1310	KOA	830	KXL	1420
CJLS	1310	CMKF	1363	EAJ21	1492	JOFG	990	KFYO	1310	KOAC	550	KXO	1500
CJOC	1230	CMKJ	1300	EAJ23	1492	JOFK	850	KFYR	550	KOB	1180	KXRO	1310
CJOR	600	CMKM	840	EAJ24	1492	JOGK	790	KGA	900	KOH	1380	KXYZ	1440

KYA	1230	PRA7	1153	SCM	1402	WBSO	920	WGBI	880	WKBO	1200	WPEN	920
KYW	1020	PRA8	750	SCN	1402	WBT	1080	WGCM	1210	WKBV	1500	WFFB	1370
KZEG	720	PRA9	1080	SCO	1312	WBTM	1370	WGES	1360	WKBW	1480	WPC	1100
KZRM	618.5	PRB2	882	SCP	1402	WBZ	980	WGH	1310	WKBC	1500	WPHR	880
LKA	850	PRB3	857	SCQ	1312	WBZA	980	WGL	1370	WKEU	1500	WPRO	630
LKB	850	PRB4	1000	SCR	1402	WCAC	600	WGN	720	WKJC	1200	WPTF	680
LKD	850	PRB5	1110	SCS	1402	WCAD	1220	WGNV	1210	WKOK	1210	WQAM	560
LKF	776	PRB7	833	SCU	1402	WCAE	1220	WGPC	1420	WKRK	500	WQAN	880
LKH	519	PRB8	1000	SCV	1240	WCAL	1250	WGR	550	WKY	950	WQBC	1360
LKI	845	PRB9	1017	SCW	1402	WCAM	1280	WGST	890	WKZO	590	WQDM	1370
LKK	1276	PRC2	1090	SCY	1402	WCAO	600	WGY	790	WLAC	1470	WRAK	1370
LKM	1204	PRC3	920	SPTT	859	WCAP	1280	WHA	940	WLAP	1420	WRAW	1310
LKN	1357	PRC4	1304	TGW	565	WCAT	1200	WHAM	1150	WLB	1250	WRAX	920
LKO	1181	PRC5	1360	TGX	1400	WCAU	1170	WHAS	820	WLBC	1310	WRBL	1200
LKP	850	PRC6	1364	TIGR	912	WCAX	1200	WHAT	1310	WLBF	1420	WRBX	1410
LKR	1348	PRC7	1090	TIEA	833	WCAZ	1070	WHAZ	1300	WLBL	900	WRC	950
LKS	1276	PRC9	1170	TIEP	1450	WCBA	1440	WHB	860	WLBW	1260	WRDO	1370
LP9	1430	PRD2	935	TIFB	714	WCBD	1080	WHBC	1200	WLBT	620	WRDW	1500
LR1	1070	RDN	680	TIFS	1441	WCBM	1370	WHBD	1370	WLIT	560	WREC	600
LR2	910	RW9	722	TIGA	1014	WCBS	1210	WHBF	1210	WLLH	1370	WREN	1220
LR3	950	RW10	722	TIGP	800	WCCO	810	WHBI	1250	WLNH	1310	WRGA	1500
LR4	990	RW17	644	TIRCA	1100	WCFL	970	WHBL	1410	WLS	870	WRJN	1370
LR5	830	RW20	1185	TISO	550	WCHS	580	WHBQ	1370	WLTH	1400	WROK	1410
LR6	870	RW22	617	TITV	999	WCKY	1490	WHBU	1210	WLVA	1200	WROL	1310
LR7	750	RW23	676	TIVL	835	WCLO	1200	WHBY	1200	WLW	700	WRR	1280
LR8	1150	RW26	776	TIXA	614	WCLS	1310	WHDF	1370	WLWL	1100	WRUF	830
LR9	1030	RW27	689	TUA	1275	WCNW	1500	WHDH	830	WMAL	630	WRVA	1110
LR10	790	RW28	635	VAS	685	WCOA	1340	WHDL	1420	WMAQ	670	WSAI	1330
LR11	1394	RW28	725	VESEK	1185	WCOC	880	WHEB	740	WMAS	1420	WSAJ	1310
LS1	710	RW29	648	VOAC	1300	WCOL	1210	WHEC	1430	WMAZ	1180	WSAN	1440
LS2	1190	RW30	913	VOAS	940	WCRW	1210	WHEF	1500	WMBC	1420	WSAR	1450
LS3	630	RW31	625	VOGY	840	WCSC	1360	WHFC	1420	WMBD	1440	WSAZ	1190
LS4	670	RW32	671	VONF	950	WCSH	940	WHIS	1410	WMBG	1200	WSB	740
LS5	1110	RW33	1050	VOWR	681	WDAE	1220	WHJK	620	WMBH	1420	WSBC	1210
LS6	1350	RW34	554	VPB	700	WDAF	610	WHK	1390	WMBI	1080	WSBT	1360
LS7	1310	RW35	589	VQ7LO	858	WDAG	1410	WHN	1010	WMB0	1310	WSFA	1410
LS8	1230	RW36	662	VUB	855	WDAH	1310	WHO	1000	WMBQ	1500	WSGN	1310
LS9	1270	RW38	580	VUC	810	WDAS	1370	WHOM	1450	WMBR	1370	WSIX	1210
LS10	590	RW39	832	VUL	1200	WDAY	940	WHP	1430	WMC	780	WSJS	1310
LS11	1430	RW40	959	VUM	770	WDBJ	930	WIBA	1280	WMCA	570	WSM	650
LT1	780	RW41	563	WAAB	1410	WDBO	580	WIBG	970	WMEX	1500	WSMB	1320
LT3	1080	RW42	598	WAAF	920	WDEL	1120	WIBM	1370	WMFD	1370	WSMK	1380
LT4	760	RW46	653	WAAT	940	WDEV	550	WIBV	1210	WMFE	1380	WSOC	1210
LT5	1380	RW46	686.5	WAAW	660	WDGY	1180	WIBW	580	WMFF	1310	WSPA	920
LT8	840	RW48	645	WABC	860	WDNC	1500	WIBX	1200	WMFG	1210	WSPD	1340
LT9	1060	RW51	748.1	WABI	1200	WDOD	1280	WICC	600	WMFH	1120	WSUI	880
LT10	1300	RW52	859	WABY	1370	WDRC	1330	WIL	1200	WMFI	900	WSUN	620
LUO	750	RW55	959	WACO	1420	WDSU	1250	WILL	890	WMFJ	1420	WSVA	550
LH2	800	RW56	640	WADC	1320	WDZ	1070	WILM	1420	WMMN	890	WSVS	1370
LUG	1380	RW57	1068	WAGF	1370	WEAF	660	WIND	560	WMPC	1200	WSYB	1500
LUG7	1280	RW61	888	WAGM	1420	WEAN	780	WINS	1180	WMT	600	WSYR	570
LV1	730	RW64	752	WAIU	640	WEBC	1290	WIOD	1300	WNAC	1230	WTAD	1440
LV2	880	RW65	734	WALA	1380	WEBQ	1210	WIP	610	WNAD	1010	WTAG	580
LV3	620	RW67	968	WALR	1210	WEBR	1310	WIS	1010	WNAX	570	WTAM	1070
LV5	1120	RW68	824	WAML	1310	WEDC	1210	WISN	1120	WNBF	1500	WTAQ	1330
LV7	820	RW69	968	WAPI	1140	WEEI	1420	WJAC	1310	WNBH	1310	WTAR	780
LV9	900	RW70	1040	WARD	1400	WEE1	590	WJAG	1060	WNBO	1200	WTAW	1120
LV10	860	RW71	689	WASH	1270	WEU	830	WJAR	890	WNRB	1430	WTAX	810
MABS	1254	RW73	725	WATR	1199	WEHC	1350	WJAS	1290	WNBX	1260	WTBO	200
MOHB	674	RW74	680	WAVE	940	WEHS	1420	WJAX	900	WNBZ	1290	WTGN	1250
MTBY	890	RW75	1095	WAWZ	1350	WELL	1420	WJAY	610	WNEL	1290	WTEL	1310
MTFY	674	RW78	825	WAZL	1420	WENR	870	WJBC	1200	WNEW	1250	WTFI	1450
MTCY	570	RW79	610	WBAA	890	WESG	1096	WJBK	1500	WN0X	1010	WTIC	1040
NAA	690	RW82	608	WBAL	1060	WEVD	1306	WJBL	1200	WNR4	1420	WTJS	1310
OAX	750	RW84	635	WBAP	800	WEW	760	WJBO	1420	WNYC	810	WTMJ	620
OFA	895	RW85	635	WBAX	1210	WEXL	1210	WJBW	1200	WOAI	1190	WTNJ	1280
OFD	749	RW86	1013	WBBC	1400	WFAA	800	WJBY	1210	WOC	1370	WTOC	1260
OFE	1450	SBA	704	WBBL	1210	WFAB	1300	WJDX	1270	WOCL	1210	WTRC	1310
OFH	527	SBB	941	WB8M	770	WFAM	1209	WJEJ	1210	WOI	640	WTFW	1400
OKB	922	SBC	1312	WB8R	1308	WFAS	1210	WJHM	1210	WOKO	1430	WVAE	1200
OKK	1143	SBD	601	WB8Z	1200	WFBC	1300	WJJD	1130	WOL	1310	WVJC	1420
OKP	632	SBH	1131	WB8P	1410	WFBE	1209	WJMS	1420	WOMT	1210	WWJ	920
OKR	709.1	SCA	1402	WBEN	900	WFBG	1316	WJIR	750	WOPD	1270	WWL	850
ON4CE	1492	SCB	1402	WBE0	1310	WFB1	1360	WJ5V	1460	WOP1	1500	WWNC	570
ON4CE	1506	SCC	1086	WBHS	1290	WFBM	1230	WJTL	1370	WORJ	710	WWPA	850
ON4EB	1492	SCD	1402	WBIG	1400	WFBR	1270	WJVV	1210	WORC	1230	WWRL	1500
ON4RW	1509	SCF	1402	WBNO	2400	WFDJ	1310	WJZ	760	WORK	1304	WWSV	1500
PFB1	955	SCF	1402	WBNS	8400	WFCA	1340	WKAQ	1246	WOS	630	WWSV	314
PP	959	SCG	1402	WB8X	1350	WFI	580	WKAR	1040	WOSU	570	WWSV	540
PRA2	750	SCH	1402	WB00	860	WFLA	670	WKBB	1500	WOV	1330	WWSV	2590
PRA3	934	SCI	1402	WB0W	2300	WFGAL	700	WKBF	1409	WCV	600	WWSV	2650
PRA4	857	SCJ	1530	WB8E	1210	WGAR	1100	WKPH	1330	W0V0	1150	WWSV	2150
PRA5	750	SCK	1312	WB8C	930	WGBR	1000	W0V0	1330	W0V0	1150	WWSV	2150
PRA6	854	SCL	1402	WB8C	1330	WGBF	630	W0V0	1330	W0V0	1150	WWSV	2150

KEA	1060	XEPN	590	XGSA	1335	XLHL	800	ZPS	1465	2ZD	1170	4QG	760
KEAA	920	XES	970	XGSL	1401.8	XLHM	1120	ZPN	887	2ZF	960	4RK	910
KEAF	990	XET	690	XGTM	840	XLHN	1200	ZTB	806.6	2ZH	820	4RO	1330
KEAI	1240	XETB	1310	XGWT	1330	XLHO	1280	ZTC	600	2ZJ	980	4TO	1170
KEAM	660	XETH	1210	XHGS	730	XLHQ	1440	ZTD	723	2ZL	1240	4YA	790
KEAO	560	XETW	820	XHHA	840	XLIA	1320	ZTJ	645	2ZM	1150	4YO	1140
KEAW	960	XEU	1010	XHHA	1370	XLKB	1230	ZTP	952	2ZO	1400	4ZB	1050
KEAZ	1420	XEW	890	XHHB	740	XLKS	1490	1YA	650	2ZP	900	4ZC	1280
KEB	1030	XEWZ	1350	XHHH	760	XLTC	1210	1YX	880	2ZR	1360	4ZL	1220
KEBC	730	XEX	1310	XHHH	880	XLWT	1310	1ZB	1090	3AK	1500	4ZM	1050
XEC	1310	XEXX	845	XHHE	940	XLWU	1250	1ZH	770	3AR	610	4ZP	1050
XECW	1310	XEYZ	780	XHFF	960	XMMA	600	1ZJ	1310	3AW	1425	4ZO	620
XED	1160	XEZ	630	XHHG	1020	XMHB	980	1ZM	1260	3BA	1300	4ZR	1340
XEE	1210	XEZZ	1370	XHHH	1040	XMHC	700	2AY	1480	3BO	970	4ZW	1450
XEFA	1180	XFA	1310	XHHI	900	XOCL	1500	2BH	1360	3DB	1180	5AD	1310
XEFB	1420	XFB	1270	XHHJ	1080	XOPP	952.3	2BL	855	3GL	1400	5CK	635
XEFC	1310	XFC	810	XHHK	1420	XOST	855	2CA	1050	3HA	1010	5CL	730
XEFE	1370	XFD	1340	XHHM	1180	XOTY	1000	2CH	1210	3HS	1370	5DN	960
XEFG	1100	XFO	940	XHHN	1200	XQHA	580	2CO	560	3KZ	1350	5KA	1200
XEFI	1440	XFX	610	XHHP	1260	XQHB	820	2FC	665	3LO	800	5MU	1450
XEFJ	1230	XGCK	990	XHHQ	1280	XQHC	1300	2GB	950	3MA	900	5RM	940
XEFL	1160	XGKA	1140	XHHS	1100	XQHD	1360	2GF	1220	3SH	1080	6AM	1090
XEFO	940	XGDZ	1470	XHHU	1160	XQHE	1460	2GN	1390	3TR	1280	6BY	980
XEFV	1210	XGF	833.3	XHHV	880	XQHF	1480	2HD	1110	3UZ	930	6CK	1240
XEFW	1310	XGGW	950	XHHX	920	YZL	583	2KO	1415	3WR	1260	6IX	1470
XEFZ	1370	XGHN	600	XHHY	1240	YN	648	2KY	1070	3YA	720	6KG	1220
XEG	1280	XGKA	895	XHKT	1170	YNCRG	870	2MO	1320	3YB	1060	6ML	1135
XEH	1150	XGKL	1450	XHPA	1194	YVIRC	960	2NC	1246	3YL	1200	6PR	880
XEI	1370	XGML	714.3	XKRI	1071.4	YV2RC	882	2RN	1348	3ZE	1300	6WF	690
XEJ	1020	XGOA	660	XLCH	970	YV3RC	1200	2SM	1270	3ZM	1450	7HO	890
XEK	990	XGOB	1090	XLHB	560	YV4RC	1100	2UE	1325	3ZR	940	7LA	1100
XEKL	1240	XGOC	1500	XLHC	720	YV6RV	675	2UW	1125	4AY	980	7UV	1460
XEMA	1080	XGOD	977.5	XLHD	720	YV17BMO	1153	2WG	1155	4BC	1145	7ZL	580
XEMO	860	XGOE	1070	XLHE	1380	ZBW	845	2WL	1135	4BH	1380	10-AK	1200
XEN	710	XGOF	634.8	XLHF	1380	Z1LY	900	2XN	1340	4BK	1290	10-BP	1200
XENT	910	XGOK	750	XLHI	760	ZP1	1135	2YA	570	4GR	1000	10-BU	1200
XEOX	640	XGOP	950	XLHJ	760	ZP3	1000	2YB	750	4MB	1060		
XEP	820	XGOY	731.7	XLHK	800	ZP4	1275	2YC	840	4MK	1190		

## THE SHORTWAVE STATIONS OF THE WORLD BY FREQUENCIES

In the list of stations arranged by frequencies, the frequency is given first, in megacycles followed by the wavelength in meters. The location of each station given in the frequency list is given as it is announced over the air. The address list (X) was last published in the December RADEX.

### KEY TO SYMBOLS IN PARENTHESES:

Capital letters indicate type of service, as follows:

- A, Point-to-point, Condition A, inverted modulation.
- B, Point-to-point, Condition B, intelligible speech.
- E, Experimental.
- F, Forestry service.
- G, Airway ground station.
- P, Police.
- R, Relay (broadcasting).
- S, Ship to shore, or shore to ship, communication.

Small letters following the hyphen concern verifications, as follows:

- a, verifies for return postage.
- b, verifies only occasionally.
- c, does not verify.
- x, address given alphabetically in address list.
- y, address not given.
- z, no information available.

- 1, 2, 3, figures indicate key numbers in address list.

1.510 198.56

CJD, Campbell River, B. C. (SS-z) (Minister of Lands for British Columbia)

CJK, Knight Inlet, B. C. (B-z) (Anglo British Columbia Packing Co., Ltd.)

VAC, Cape Lazo, E. C. (SS-33) Daily exc. Sunday, 5 a.m. to 7:45 p.m. EST.

VAF, Alert Bay, B. C. (SS-33)

1.540 194.69

CJD, Campbell River, B. C. (Minister of Lands for British Columbia)

VBY, Lunenburg, N. S. (SS-z) (Lunenburg Sea Products, Ltd.)

1.566 191.46

WIED, Brdct. pickup (B-a-37)

WIEX, Brdct. pickup (B-a-37)

1.570 191.08

WPEQ, Baton Rouge, La. (P-z)

1.574 190.48

KGPY, Shreveport, La. (State Police)

1.596 187.84

CFC, Cub Lake, Sask. (B-z)\*

CGQ, Lac La Ronge, Sask. (B-z)\*

CGV, Emma Lake, Sask. (B-z)\*

CZJ, Isle-a-la-Crosse, Sask. (B-z)\*

VYP, Prince Albert, Sask. (B-z)\*

\*Dept. of Natural Resources, Govt. of the Province of Saskatchewan

WPGG, Findlay, Ohio (P-z)

WPGQ, Columbus, Ohio (P-z)

WPHC, Massillon, Ohio (P-z)

WPHK, Wilmington, Ohio (P-z)

1.606 186.69

KIGA, Brdct. pickup (KSTP)

WHER, Brdct. pickup (KDKA)

WIEO, Brdct. pickup (B-a-37)

WIEW, Brdct. pickup (B-a-37)

WIEY, Brdct. pickup (B-a-37)

WJER, Brdct. pickup (WTMJ)

WMEF, Brdct. pickup (B-a-37)

1.620 185.07

CFL, Tabouret, P. Q. (F-47)

1.622 184.85

KIED, Brdct. pickup (KFWB)

KIEL, Brdct. pickup (KJR)

KIEF, Brdct. pickup (WIL)

KIFI, Brdct. pickup (WDGY)

KILU, Brdct. pickup (KARK)

WIEH, Brdct. pickup (WMCA)

WKEM, Brdct. pickup (WINS)

WNEI, Brdct. pickup (WFBM)

1.630 183.94

WEY, Boston, Mass. (Marine Fire)

WKDT, Detroit, Mich. (Marine Fire)

1.634 183.48  
 WPHE, Marion Co., Ind. (State Police)  
 W9XBU, Portable in Ind. (P-z)  
 1.642 182.59  
 WRDS, E. Lansing, Mich. (State Police)  
 1.646 182.15  
 WIEK, Brdcast. pickup (B-a-W2XE)  
 WIEL, Brdcast. pickup (B-a-W2XE)  
 WLEB, Brdcast. pickup (WOKO)  
 1.658 180.83  
 KSW, Berkeley, Calif. (P-z)  
 WPGC, S. Schenectady, N. Y. (State Police)  
 1.666 179.96  
 WMP, Framingham, Mass. (State Police)  
 WPFL, W. Bridgeport, Mass. (State Police)  
 WPEV, Portable in Mass. (State Police)  
 WPEW, Northampton, Mass. (State Police)  
 1.674 179.10  
 KGZT, Santa Cruz, Calif. (P-z)  
 WPSF, Harrisburg, Pa. (State Police)  
 1.682 178.25  
 KGHO, Des Moines, Ia. (State Police)  
 KNFN, Waterloo, Iowa (P-z)  
 WPBX, Wilmington, Ohio (P-z)  
 W8XA, Portable in Ohio (Dept. of Highways, Division of State Highway Patrol)  
 ..... Storm Lake, Ia. (P-z)  
 1.698 176.57  
 ..... Phoenix, Arizona (P-z)  
 1.706 175.74  
 KGPC, St. Louis, Mo. (P-z)  
 WKDU, Cincinnati, Ohio (P-z)  
 WPET, Lexington, Ky. (P-z)  
 1.712 175.13  
 CZG, Prince Rupert, B. C. (British Columbia Provincial Police)  
 KGHY, Whittier, Calif. (P-z)  
 KGJX, Pasadena, Calif. (P-z)  
 KGPJ, Beaumont, Texas (P-z)  
 KGPL, Los Angeles, Calif. (P-z)  
 KGPQ, Honolulu, Hawaii (P-z)  
 KGPR, Fort Worth, Texas (P-z)  
 KGZB, Houston, Texas (P-z)  
 KGZL, Shreveport, La. (P-z)  
 KGZQ, Waco, Texas (P-z)  
 KGZY, San Bernardino, Calif. (P-z)  
 KNFJ, Pomona, California (P-z)  
 KVP, Dallas, Texas (P-z)  
 VYR, Montreal, P. Q. (P-z)  
 WPBG, Medford, Mass. (P-z)  
 WPDB, Chicago, Ill. (P-z)  
 WPDC, Chicago, Ill. (P-z)  
 WPDD, Chicago, Ill. (P-z)  
 WPDU, Pittsburgh, Pa. (P-z)  
 WPED, Arlington, Mass. (P-z)  
 WPEH, Somerville, Mass. (P-z)  
 WPEI, E. Providence, R. I. (P-z)  
 WPEJ, Brookline, Mass. (P-z)  
 WPEA, Newton, Mass. (P-z)  
 WPFN, Fairhaven, Mass. (P-z)  
 WPGV, Boston, Mass. (P-z)  
 ..... Cleburne, Texas (P-z)  
 1.715 to 2.000  
 (149.91 to 174.82 meters)  
 Amateur band. Phones from 1.875 to 2.000 megs.

2.102 142.64  
 KIGA, Brdcast. pickup (KSTP)  
 KIGW, Brdcast. pickup  
 WHER, Brdcast. pickup (KDKA)  
 WIEO, Brdcast. pickup (B-a-37)  
 WIEW, Brdcast. pickup (B-a-37)  
 WIEX, Brdcast. pickup (B-a-37)  
 WJER, Brdcast. pickup (WTMJ)  
 WMEF, Brdcast. pickup (B-a-37)  
 2.150 139.45  
 KIED, Brdcast. pickup (KFWB)  
 KIEF, Brdcast. pickup (WIL)  
 KIEL, Brdcast. pickup (KJR)  
 KIEO, Brdcast. pickup (KFSD)  
 KIFI, Brdcast. pickup (WDGY)  
 KIFT, Brdcast. pickup (KJBS)  
 KIKQ, Brdcast. pickup (KMTR)  
 KILB, Brdcast. pickup (KWKH)  
 WIEG, Brdcast. pickup (WMCA)  
 WKEM, Brdcast. pickup (WINS)  
 WLEX, Brdcast. pickup (WJAG)  
 WNEI, Brdcast. pickup (WFRM)  
 2.190 136.90  
 KIIH, Brdcast. pickup (KFAB)  
 WIEK, Brdcast. pickup (B-a-W2XE)  
 WIEL, Brdcast. pickup (B-a-W2XE)  
 2.382 125.87  
 KGHT, Brownsville, Tex. (P-z)  
 KGHV, Corpus Christi, Tex. (P-z)  
 KGZH, Klamath Falls, Ore. (P-z)  
 KNFE, Duluth, Minn. (P-z)  
 WPDN, Auburn, N. Y. (P-z)  
 WPEA, Syracuse, N. Y. (P-z)  
 WPFM, Birmingham, Ala. (P-z)  
 WPGW, Mobile, Ala. (P-z)  
 2.406 124.61  
 KGHZ, Little Rock, Ark. (P-z)  
 KGPW, Salt Lake City, Utah (P-z)  
 2.414 124.20  
 KGHW, Centralia, Wash. (P-z)  
 KGPA, Seattle, Wash. (P-z)  
 KGPF, Santa Fe, N. Mex. (P-z)  
 KGPS, Bakersfield, Calif. (P-z)  
 KGZA, Fresno, Calif. (P-z)  
 KGZM, El Paso, Tex. (P-z)  
 KGZN, Tacoma, Wash. (P-z)  
 KGZO, Santa Barbara, Calif. (P-z)  
 KGZV, Aberdeen, Wash. (P-z)  
 KGZX, Albuquerque, N. Mex. (P-z)  
 KNFA, Clovis, N. Mex. (P-z)  
 KNFJ, Mt. Vernon, Wash. (P-z)  
 WCK, Detroit, Mich. (P-z)  
 WMO, Highland Park, Mich. (P-z)  
 WPD A, Tulare, Calif. (P-z)  
 WPDJ, Passaic, N. J. (P-z)  
 WPDX, Detroit, Mich. (P-z)  
 WPDY, Atlanta, Ga. (P-z)  
 WPFH, Baltimore, Md. (P-z)  
 WPFI, Columbus, Ga. (P-z)  
 WPGH, Albany, N. Y. (P-z)  
 WPGJ, Utica, N. Y. (P-z)  
 WPGM, La Grange, Ga. (P-z)  
 WRDR, Grosse Pointe, Mich. (P-z)  
 ..... Everett, Wash. (P-z)  
 2.416 124.09  
 CJW, St. John, N. B. (P-Dept. of Public Safety)  
 CZG, Prince Rupert, B. C. (British Columbia Provincial Police)  
 VYW, Winnipeg, Man. (Board of Police Commissioners)  
 2.422 123.79  
 KGPE, Kansas City, Mo. (P-z)  
 KGPG, Vallejo, Calif. (P-z)  
 KGZC, Topeka, Kans. (P-z)  
 KNFF, Leavenworth, Kans. (P-z)  
 KSW, Berkeley, Calif. (P-z)

WJMJ, Buffalo, N. Y. (P-z)  
 WNFN, Niagara Falls, N. Y. (P-z)  
 WPD R, Rochester, N. Y. (P-z)  
 WPDW, Washington, D. C. (P-z)  
 WPFU, Portland, Me. (P-z)  
 WPHB, Nashua, N. H. (P-z)  
 ..... Sacramento, Calif. (E-z)  
 2.430 123.45  
 KGHX, Santa Ana, Calif. (P-z)  
 KGPB, Minneapolis, Minn. (P-z)  
 KGZJ, Phoenix, Ariz. (P-z)  
 WHIO, Zanesville, Ohio (P-z)  
 WPD I, Columbus, Ohio (P-z)  
 WPD M, Dayton, Ohio (P-z)  
 WPD S, St. Paul, Minn. (P-z)  
 WPEK, New Orleans, La. (P-z)  
 WPF D, Highland Park, Ill. (P-z)  
 WPFK, Hackensack, N. J. (P-z)  
 WPGI, Portsmouth, Ohio (P-z)  
 ..... Long Beach, Calif. (P-z)  
 2.442 122.77  
 KGHU, Austin, Texas (P-z)  
 KGP P, Portland, Ore. (P-z)  
 KGPX, Denver, Colo. (P-z)  
 KGZ R, Salem, Ore. (P-z)  
 WMDZ, Indianapolis, Ind. (P-z)  
 WPD E, Louisville, Ky. (P-z)  
 WPD F, Flint, Mich. (P-z)  
 WPD H, Richmond, Ind. (P-z)  
 WPD L, Lansing, Mich. (P-z)  
 WPEB, Grand Rapids, Mich. (P-z)  
 WPE S, Saginaw, Mich. (P-z)  
 WPF C, Muskegon, Mich. (P-z)  
 WPF E, Reading, Pa. (P-z)  
 WPF G, Jacksonville, Fla. (P-z)  
 WPF T, Lakeland, Fla. (P-z)  
 WPF X, Palm Beach, Fla. (P-z)  
 WPF Y, Yonkers, N. Y. (P-z)  
 WPF Z, Miami, Fla. (P-z)  
 WPLG, Binghamton, N. Y. (P-z)  
 WPG P, Muncie, Ind. (P-z)  
 WPHM, Orlando, Fla. (P-z)  
 WPHN, Tampa, Fla. (P-z)  
 2.450 122.40  
 KGHN, Hutchinson, Kans. (P-z)  
 KGP H, Oklahoma City, Okla. (P-z)  
 KGP O, Tulsa, Okla. (P-z)  
 KGP Z, Wichita, Kans. (P-z)  
 KGZF, Chanute, Kans. (P-z)  
 KGZ P, Coffeyville, Kans. (P-z)  
 WPD K, Milwaukee, Wis. (P-z)  
 WPEE, Brooklyn, N. Y. (P-z)  
 WPEF, Bronx, N. Y. (P-z)  
 WPEG, New York City (P-z)  
 WPEP, Kenosha, Wisc. (P-z)  
 WPHF, Richmond, Va. (P-z)  
 2.452 122.27  
 CGZ, Vancouver, B. C. (Police)  
 CJZ, Verdun, P. Q. (P-z)  
 2.458 121.97  
 KGH S, Spokane, Wash. (P-z)  
 KGZ I, Wichita Falls, Tex. (P-z)  
 KGZ W, Lubbock, Texas (P-z)  
 WPD G, Youngstown, Ohio (P-z)  
 WPD O, Akron, Ohio (P-z)  
 WPD V, Charlotte, N. C. (P-z)  
 WPF S, Asheville, N. C. (P-z)  
 WPD G, Rockford, Ill. (P-z)  
 WRSH, Cleveland, Ohio (P-z)  
 ..... Idaho Falls, Ida. (P-z)  
 ..... Steubenville, Ohio (P-z)  
 2.466 121.58  
 KGH P, Lawton, Okla. (P-z)  
 KGO Z, Cedar Rapids, Ia. (P-z)  
 KGP D, San Francisco, Calif. (P-z)  
 KGP I, Omaha, Neb. (P-z)  
 KGP K, Sioux City, Ia. (P-z)  
 KGP M, San Jose, Calif. (P-z)  
 KGP N, Davenport, Ia. (P-z)

**KGZG, Des Moines, Ia. (P-z)**  
**WPEC, Memphis, Tenn. (P-z)**  
**WPEM, Woonsocket, R. I. (P-z)**  
**WPFV, Pawtucket, R. I. (P-z)**  
**WPFW, Bridgeport, Conn. (P-z)**  
**WPGA, Bay City, Mich. (P-z)**  
**WPGB, Port Huron, Mich. (P-z)**  
**WPGK, Cranston, R. I. (P-z)**  
**WPGX, Worcester, Mass. (P-z)**  
**WPHA, Fitchburg, Mass. (P-z)**  
 ..... , Jackson, Mich. (P-z)  
 2.470 121.40  
**KGHK, Palo Alto, Calif. (P-z)**  
 2.474 121.19  
**KGHG, Las Vegas, Nev. (P-z)**  
**KGHM, Reno, Nev. (P-z)**  
**KNFH, Garden City, Kans. (P-z)**  
**WPDF, Philadelphia, Pa. (P-z)**  
**WFO, Knoxville, Tenn. (P-z)**  
**WPFQ, Swarthmore, Pa. (P-z)**  
**WPFs, Asheville, N. C. (P-z)**  
**WPGZ, Johnson City, Tenn. (P-z)**  
**WRDQ, Toledo, Ohio (P-z)**  
 2.482 120.80  
**KGZE, San Antonio, Tex. (State and City Police)**  
 ..... , New Castle, Pa. (P-z)  
 2.490 120.41  
**KGHA, Snowplow No. A232, Wash. (P-z)**  
**KGHB, Snowplow No. A227, Wash. (P-z)**  
**KGHC, Portable in Washington (P-z)**  
**KGHD, Seattle, Wash. (State Police)**  
**KGHE, Snoqualmie Pass, Wash. (State of Wash. Highway and Police Dept.)**  
**KGHR, Portable in Washington (P-z)**  
**KGZD, San Diego, Calif. (P-z)**  
**KGZU, Lincoln, Neb. (P-z)**  
**KNFG, Olympia, Wash. (P-z)**  
**KNFM, Compton, Calif. (P-z)**  
**WPDT, Kokomo, Ind. (P-z)**  
**WPDZ, Fort Wayne, Ind. (P-z)**  
**WPF, Clarksburg, W. Va. (P-z)**  
**WPGN, South Bend, Ind. (P-z)**  
**WPGO, Huntington, N. Y. (P-z)**  
**WPGS, Mineola, N. Y. (P-z)**  
**WPHI, Charleston, W. Va. (P-z)**  
**WPHJ, Fairmont, W. Va. (P-z)**  
 ..... , Chinook Pass, Wash. (P-z)  
 ..... , Yakima, Wash. (P-z)  
 ..... , Walla Walla, Wash. (P-z)  
 ..... , Vancouver, Wash. (P-z)  
 ..... , Alpova Camp, Wash. (P-z)  
 ..... , Heils Crossing Camp, Wash. (P-z)  
 ..... , Ilwaco, Wash. (P-z)  
 ..... , Snow Plow, Wash. (P-z)  
 ..... , Parkersburg, W. Va. (P-z)  
 ..... , Satus Pass Camp, Wash. (P-z)  
 ..... , Skykomish, Wash. (P-z)  
 2.522 118.88  
**KOW, Edmonds, Wash. (SS-z) (Pacific Telephone & Telegraph Co.)**  
 2.550 117.58  
**WMES, Lorain, Ohio (Pub. Coastal)**  
 2.566 116.84  
**KOU, Wilmington, Calif. (SS-z) (Southern Calif. Telephone Co.)**  
 2.590 115.76  
**WOX, St. George, Staten Island, N. Y. (SS-z) (New York Telephone Co.)**

2.604 115.14  
**WVD, Seattle, Wash. (B-a) (Phones Alaska) 517 Federal Office Bldg.**  
 2.612 114.79  
**Aeronautical point-to-point stations.**  
 2.636 113.34  
**Aeronautical point-to-point stations.**  
 2.720 110.23  
**Aeronautical point-to-point stations.**  
 2.728 109.90  
**KIJY, Hood River, Ore.**  
**KIJZ, Portable. (Stations owned by "Crag Rats, Inc.")**  
 2.732 109.74  
**Aeronautical stations.**  
 2.748 109.10  
**Aeronautical stations.**  
 2.900 103.17  
**Aeronautical stations.**  
 2.922 102.61  
**Aeronautical stations.**  
 2.930 102.33  
**WMEP, Suffield, Ohio (G-z)**  
**WMEU, St. Petersburg, Fla. (G-z)**  
**WMEV, Opa Locka, Fla. (G-z) (Goodyear Zeppelin Base)**  
 2.946 101.77  
**Aeronautical stations.**  
 2.980 100.61  
**CZA, Drummondville, P. Q. (SS-a-6)**  
 2.994 100.14  
**KGXU, Port Armstrong, Alaska (Buchan & Helmen)**  
**KIEJ, Poorman, Alaska (W. N. Growden)**  
**KIHK, Circle, Alaska\***  
**KIIL, Fort Yukon, Alaska\***  
**KIIM, Hot Springs, Alaska\***  
**KIIN, Eagle, Alaska\***  
**KIIO, McGrath, Alaska (B-z)**  
**KIJO, Port Herbert, Alaska (B-z)**  
**KIJS, Baranoff, Island, Alaska (B-z)**  
**KIJV, Deep Cove, Alaska (B-z)**  
**KILY, Excursion Inlet, Alaska (B-z) Cape Pole, Alaska (A. R. Brueger)**  
 \*Owned by Northern Commercial Co. Point to point with WXP at Fairbanks and WXE at Anchorage.  
 3.040 98.62  
**Aeronautical stations.**  
 3.070 97.66  
**CJU, Winnipeg, Man. (G-45)**  
 3.073 97.57  
**Aeronautical stations.**  
 3.088 97.09  
**Aeronautical stations.**  
 3.093 96.94  
**KGM, Ketchikan, Alaska (B-z) (Alaska Pacific Salmon Co.) (KIAX-KIAY)**  
**KICI, View Cove, Dall Island, Alaska (B-z)**  
**KIIP, Willow Creek Mines, Alaska (W. E. Dunkle)**  
**KIJP, Uganik Bay, Alaska (B-z)**  
 3.125 to 3.147 megs.  
 (95.27 to 95.94 meters.)  
**SHIPS**

3.128 95.85  
**Aeronautical stations.**  
 3.163 94.70  
**Aeronautical stations**  
 3.183 94.19  
**Aeronautical stations**  
 3.190 93.99  
**KIGP, Egushik, Alaska (SS-z) (Libby McNeill & Libby)**  
**KIHK, Circle, Alaska\***  
**KIIL, Fort Yukon, Alaska\***  
**KIIM, Hot Springs, Alaska\***  
**KIIN, Eagle, Alaska\***  
**KIIO, McGrath, Alaska (B-z)**  
**KIJO, Peril Straits, Alaska (B-z)**  
 \*Phone Fairbanks and Anchorage. Owned by Northern Commercial Co.  
 3.233 92.74  
**Aeronautical stations.**  
 3.258 92.03  
**Aeronautical stations**  
 3.265 91.83  
**KIIT, St. Michael, Alaska (B-z) (Territorial Govt. of Alaska)**  
**KIJJ, Port Conclusion, Alaska (B-z)**  
**KIJK, Washington Bay, Kuiu Isl., Alaska**  
**KIJW, Shearwater Bay, Alaska (B-z)**  
**KIJX, Kadiak Island, Alaska (B-z)**  
 ..... , Afognak, Alaska (B-z)  
 ..... , Skowl Arm, Alaska (B-z)  
 3.268 91.74  
**CGP, Prince Rupert, B. C. (B-46)**  
 3.385 88.57  
**KIUI, Marshall, Alaska (Territorial Govt. of Alaska)**  
 3.410 87.92  
**KNIA, Glacier National Park, Mont.**  
**KNKS, Yosemite Nat'l Park, Calif.**  
**KNKY, Devil's Post Pile Nat'l Monument**  
**KNLO, Death Valley, Calif.**  
 3.423 87.59  
**WOZ, New York, N. Y. (American Telephone & Telegraph Co.)**  
 3.452 86.85  
**CJU, Winnipeg, Man. (G-45)**  
 3.468 86.45  
**Aeronautical stations**  
 3.500 to 4.000  
 (74.96 to 85.66 meters),  
**Amateur band. Phone band from 3.900 to 4.000 megs.**  
 4.098 73.16  
**WND, Hialeah, Fla. (B-cy)**  
 4.177 to 4.197  
 (71.44 to 71.77 meters)  
**Ships**  
 4.253 70.50  
**WOG, Ocean Gate, N. J.**  
 4.273 70.65  
**RV15, Khabarovsk, USSR. (R-cy)**  
**WOO, Ocean Gate, N. J. (SS-cy)**  
**WOY, Lawrenceville, N. J.**  
 4.280 70.05  
**Italian ships**

4.295 69.81  
 WTDV, St. Thomas, Virgin Isl. (B-a) (H. M. McKenzie)  
 WTDW, St. Croix, Virgin Isl. (B-a)  
 WTDX, St. John, Virgin Isl. (B-a)  
 4.320 69.40  
 DAF, Norden, Germany (SS-a-15)  
 GDB, Rugby, England (A-a-16)  
 4.465 67.14  
 CFA2, Drummondville, P. Q. (B-b-6)  
 4.505 66.55  
 CGO, Ocean Falls, B. C. (B-46)  
 CZO, Prince George, B. C. (B-46)  
 CZP, Claydon Bay, B. C. (B-46)  
 4.513 66.43  
 ZFS, Nassau, Bahamas (B-ax)  
 4.550 65.89  
 WDN, W2XBJ Rocky Point, N. Y. (E-cy)  
 4.580 65.46  
 DJG, Zeesen, Germany (R-a-14)  
 4.600 65.18  
 HC2ET, Guayaquil, Ecuador (R-z) Int. Sig., 12 chimes  
 4.740 63.25  
 Aeronautical stations  
 4.745 63.18  
 Aeronautical stations  
 4.753 63.08  
 WOO, Ocean Gate, N. J. (SS-cy)  
 WDY, Lawrenceville, N. J.  
 4.755 63.05  
 CFU, Rossland, B. C. (B-z) (Consolidated Mining & Smelting Co. of Canada, Ltd.)  
 4.785 66.66  
 CZA, Drummondville, P. Q. (SS-c-6)  
 4.820 62.20  
 GDW, Rugby, England (A-a-16) works, N. Y.  
 4.865 61.63  
 CGT, Campbell River, B. C. (B-46)  
 4.975 60.27  
 GBC, Rugby, England (SS-a-16)  
 4.988 60.11  
 Aeronautical stations  
 5.025 59.67  
 ZFA, Hamilton, Bermuda (A-c) works WOB  
 5.143 58.30  
 PMY, Bandoeng, Java (R-a-22)  
 5.263 56.96  
 WQN, Rocky Point, N. Y. (E-cy)  
 5.378 55.75  
 Aeronautical stations  
 5.405 55.47  
 CGP, Prince Rupert, B. C. (B-46)  
 CZQ, Anyox, B. C. (B-46)  
 5.573 to 5.633  
 Aeronautical stations  
 5.660 51.21  
 CFD, Kenora, Ont. (F-z) (Ont. Dept. of Lands and Forests)

CFJ, Red Lake, Ont. (Ont. Dept. of Lands and Forests)  
 CFU, Rossland, B. C. (B-z) (Consolidated Mining & Smelting Co. of Canada, Ltd.)  
 5.710 52.51  
 JDZ, Darlen (B-z) works JVV Nazaki  
 5.730 52.32  
 JVV, Nazaki, Japan (A-z) works Taiwan  
 5.765 52.01  
 KZGF, Manila, P. I. (Philippine Long Distance Telephone Co.)  
 5.766 52.00  
 XAM, Morida, Yucatan, Mexico  
 5.780 51.87  
 OAX4D, Lima, Peru (R-ax) "Radio DUSA", Relays OAX4B.  
 5.790 51.78  
 JVV, Nazaki, Japan (A-z-38) works Darlen  
 5.795 51.74  
 KZGH, Iloilo, P. I. (Philippine Long Distance Telephone Co.)  
 TIXGP3, San Jose, Costa Rica (R-ax) "La Reina del Aire"  
 5.825 51.47  
 HJA2, Bogota, Colombia (B-cy)  
 KZGG, Cebu, P. I. (Philippine Long Distance Telephone Co.)  
 WQN, Rocky Point, N. Y. (E-cy)  
 5.830 51.43  
 CWD, Montevideo, Uruguay (B-z)  
 JZC, Harbin, Manchukuo (A-z) works Nazaki  
 5.850 51.25  
 WOB, Lawrenceville, N. J. (A-cy)  
 YV5RMO, Maracaibo, Venezuela (R-ax) "Ecos del Caribe". One gong precedes each announcement.  
 5.890 50.90  
 JIC, Taiwan (A-z) works Nazaki  
 5.900 50.82  
 CMB-1, Havana, Cuba (B-a-31)  
 5.937 50.50  
 TGX, Guatemala City, Guatemala (R-a) Sr. M. A. Mejicano Novales  
 5.968 50.26  
 HVJ, Vatican City (R-ax)  
 5.975 50.18  
 HJ2ABC, Cucuta Colombia (R-ax) "La Voz de Cucuta" Interval sig: do-re-mi-fa-do.  
 5.980 50.14  
 HIX, Santo Domingo, D. R. (R-ax)  
 5.995 50.01  
 WVD, Seattle, Wash. (B-a) Phones Alaska. Alaskan Telephone Co., 517 Federal Office Bldg.  
 5.996 50.00  
 RV59, Moscow, USSR. (R-ax) Signs off with Kremlin Chimes and L'Internationale  
 6.000 49.97  
 XEBT, Mexico City, D. F. (R-ay) Interval signal, 3 cuckoo calls. Apartado 7944.

XGOX, Nanking, China (R-29) Under Construction. Will relay XGOA.  
 6.005 49.93  
 VE9DN, Drummondville, P. Q. (R-a-6) Relays CFCF  
 VE9DR, Montreal, P. Q. (R-a-6) Relays CFCF  
 6.010 49.72  
 COC, Havana, Cuba (R-ay) (P. O. Box 98)  
 6.020 49.80  
 DJC, Zeesen, Germany (R-a-14) Interval sig.: "Always Be True and Honest" played on music box.  
 6.030 49.72  
 HP5B, Panama City, Panama (R-z) (Miramar Club)  
 YV6RV, Valencia, Venezuela (R-z) "La Voz de Carabobo." Sres. Hermann and Williams Degwitz.  
 6.040 49.64  
 W1XAL, Boston, Mass. (R-ax) Relays WEEI  
 W4XB, Miami, Fla. (R-cy) Relays WIOD  
 6.042 49.62  
 HJ1ABG, Barranquilla, Colombia (R-a) Int. Sig.: 4-note chime. Apartado 445.  
 6.045 49.60  
 HJ3ABI, Bogota, Colombia (Apartado 513)  
 6.050 49.56  
 GSA, Daventry, England (R-a-17)  
 6.057 49.50  
 PK1WK, Bandoeng, Java (R-ax)  
 6.060 49.48  
 W3XAU, Philadelphia, Pa. (R-ax) Relays WCAU  
 W8XAL, Cincinnati, Ohio (R-ax) Relays WLW  
 Crosley Radio Corp., 1329 Arlington St.  
 6.070 49.39  
 IRA, Rome, Italy (R-z)  
 VE9CS, Vancouver, B. C. (R-ax)  
 6.075 49.35  
 OER2, Vienna, Austria (R-cx)  
 6.080 49.31  
 CP5, La Paz, Bolivia (R-a-48)  
 DJM, Zeesen, Germany (R-a-14)  
 HJN, Bogota, Colombia (R-ax)  
 W9XAA, Chicago, Ill. (R-ax)  
 6.090 49.23  
 VE9BJ, St. John, N. B. (R-ax)  
 6.095 49.19  
 VE9GW, Bowmanville, Ont. (R-ax) Relays CRCT  
 6.100 49.15  
 W3XAL, Boundbrook, N. J. (R-a-37)  
 W9XF, Chicago, Ill. (R-ax)  
 6.110 49.07  
 VE9HX, Halifax, N. S. (R-ax)  
 6.112 49.10  
 YV2RC, Caracas, Venez. (R-ax)

6.120 48.99  
W2XE, New York, N. Y. (R-ax) Re-  
lays WABC  
YDA, Bandoeng Java (R-ax) a  
NIROM station.  
6.140 48.83  
W8XK, Pittsburgh, Pa. (R-ax) Re-  
lays KDKA  
6.150 48.75  
CJRO, Winnipeg, Man. (R-a-33)  
YV3RC, Caracas, Venezuela (R-ax)  
6.160 48.67  
KNRA, "Seth Parker" (B-a-37)  
6.190 48.43  
CT1GO, Lisbon, Portugal (R-z)  
6.200 48.36  
HJ3ABF, Bogota, Colombia (R-cy)  
La Voz de Bogota. Interval signal:  
chimes similar to those used by  
NBC  
6.240 48.05  
HI-1-A, Santiago de Los Caballeros,  
D. R. (R-a) Theme song, Anchors  
Aweigh. "La Voz del Yaque".  
6.285 47.70  
CZA, Drummondville, P. Q. (SS-a-6)  
6.375 47.03  
YV4RC, Caracas, Venezuela (R-z)  
6.380 46.99  
HIZ, Santo Domingo, D. R. (R-ax)  
VO9, Mitchell Field, L. I. (Army  
Airport)  
6.412 46.76  
IS3, Bolling Field, Va. (Army air-  
port)  
6.425 46.66  
CZG, Prince Rupert, B. C. (Police)  
VK1, Selfridge Field, Mich. (Army  
airport)  
W3XL, Boundbrook, N. J. (NBC  
Control station, and cue station for  
nearly all stunt broadcasts)  
W9XF, Chicago, Ill. (E-ax)  
6.445 46.52  
PE2, Wright Field, (Army airport)  
6.447 46.50  
HJ1ABB, Barranquilla, Colombia  
(R-ax) "La Voz de Barranquilla.  
(Relays HJ1AEA)  
6.490 46.20  
HJ5ABD, Cali, Colombia, "La Voz  
del Valle" (R-a) Int. Sig.: Rooster  
Crow. Apartado 279.  
6.500 46.13  
HMD, Santo Domingo, D. R. (R-ax)  
"La Voz de Quisqueya".  
6.518 46.00  
HIL, Santo Domingo, D. R. (R-z)  
6.615 45.32  
WMEP, Suffield, Ohio (G-z)  
WMEU, St. Petersburg, Fla. (G-z)  
WMEV, Opa Locka, Fla. (G-z)  
(Goodyear Zeppelin Base)  
6.620 45.29  
PRADO, Riobamba, Ecuador, (R-a)  
Apartado 98. Cadena Indo-  
Americano.

6.645 45.12  
FG7, Langley Field, Va. (Army air-  
port)  
6.650 45.09  
KFZ, Main Base, Little America  
(B-cy)  
6.659 45.02  
HC2RL, Guayaquil, Ecuador (R-ax)  
"Quinta Piedad," Dr. Roberto Levi,  
Apartado 759.  
6.660 45.02  
KFZ, Main Base, Little America  
(B-cy)  
KNRA, "Seth Parker" (B-a-37)  
6.662 45.00  
WXH, Ketchikan, Alaska (B-z)  
Phones Seattle  
6.670 44.95  
KFZ, Main Base, Little America  
(B-cy)  
KNRA, "Seth Parker" (B-a-37)  
6.672 44.94  
YVQ, Maracay, Venezuela (B-c-35)  
6.675 44.91  
DGG, Nauen, Germany (B-a-13)  
6.710 44.68  
TIEP, San Jose, Costa Rica, "La  
Voz del Tropico." (R-z) Sr. Ed-  
wardo Pinto H., Apartado 257.  
6.718 44.62  
WDB, Rocky Point, N. Y. (E-cy)  
6.720 44.62  
CFU, Rossland, B. C. (Consolidated  
Mining & Smelting Co. of Canada,  
Ltd.  
6.725 44.57  
WQO, Rocky Point, N. Y. (E-cy)  
6.733 44.53  
KEQ, Kahuku, Hawaii (E-cy)  
6.740 44.48  
WEJ, Rocky Point, N. Y. (E-cy)  
6.750 44.42  
JVT, Nazaki, Japan (A and R, a-38)  
6.790 44.16  
CMB, Havana, Cuba (B-c-31)  
GDB, Rugby, England (A-a-16)  
6.800 44.09  
HIH, San Pedro de Macoris, D. R.  
(R-z)  
6.860 43.71  
KEL, Bolinas, Calif. (E-cy)  
6.870 43.64  
RKF, Moscow, USSR (B-c)  
6.880 43.58  
CGA7, Drummondville, P. Q. (A-c-6)  
RKF, Moscow, USSR (B-c)  
6.900 43.45  
RKF, Moscow, USSR, (B-c)  
6.905 43.42  
GDS, Rugby, England (A-a-16)  
6.950 43.13  
WKP, Rocky Point, N. Y. (E-cy)

YNLF, Managua, Nicaragua (R-z)  
Cadena Indo-Americano  
6.966 43.04  
EDO, Madrid, Spain (B-a-28)  
EDQ, Madrid, Spain (B-a-28)  
6.990 42.89  
JVS, Nazaki, Japan (A-z-38) Works  
Shanghai.  
LCL, Jelo, Norway (R-ax)  
7.000 to 7.300  
(41.07 to 42.83 meters). Amateur  
Band. Foreign amateurs use  
phone in this band; USA and  
Canada, code only.  
7.090 42.29  
HKE, Bogota, Colombia (Observa-  
torio de San Bartolome)  
7.200 41.61  
HJ4ABB, Manizales, Colombia, "La  
Voz de Caldas." (R-a) Theme  
song, Just a Gigolo. Sr. Roberto  
Baena, Apartado 175.  
7.205 41.61  
EA8AB, Santa Cruz de Tenerife,  
Canary Islands (R-ax)  
7.370 40.67  
KEB, Bolinas, California (E-cy)  
WJN, Rocky Point, N. Y. (E-cy)  
7.390 40.57  
JVR, Nazaki, Japan (A-38) Works  
Hongkong.  
ZLR, Wellington, New Zealand  
(A-a-24)  
7.400 40.51  
WEM, Rocky Point, N. Y. (E-cy)  
7.465 40.16  
HJP, Bogota, Colombia (B-cy)  
Phones Hialeah  
7.470 40.14  
JVQ, Nazaki, Japan (A-38) Works  
Bandoeng.  
7.510 39.92  
JVP, Nazaki, Japan (A-38) Works  
DFL  
7.520 39.87  
KDK, Kahuku, Hawaii (A-cy) Phones  
Dixon  
KKH, Kahuku, Hawaii (A-cy) Phones  
Dixon  
RKI, Moscow, USSR (B-cy)  
7.565 39.63  
KWY (W6XN), Dixon, California  
(A-cy) Phones Hawaii  
7.575 39.58  
XGO, Shanghai, China (B-a-8)  
7.610 39.40  
KWX, Dixon, California (A-cy)  
7.620 39.34  
RIM, Irkutsk, USSR (B-cy)  
7.685 39.01  
TIR, Cartago, Costa Rica (B-b-9)  
Phones Hialeah  
7.715 38.86  
KEE, Bolinas, Calif. (E-cy)  
7.797 38.47  
HBP, Geneva, Switzerland (R-b-30)  
"Radio Nations"



7.880 38.05  
 JYR, Kemikawa-Cho, Chiba-Ken, Japan (B-z)  
 7.960 37.67  
 CMB, Havana, Cuba (B-b-31)  
 VLZ, Sydney, Australia (A-a-3)  
 XGL, Shanghai, China (B-b-8)  
 8.015 37.40  
 Aeronautical stations  
 8.017 37.40  
 EDG, Madrid, Spain (B-a-28)  
 8.035 37.31  
 CNR, Rabat, Morocco (B-ax)  
 8.070 37.15  
 IRF, Rome, Italy (B-a-20)  
 8.180 36.65  
 PSK, Rio de Janeiro, Brazil (A-b-4)  
 8.230 36.43  
 KNRA, "Seth Parker" (B-a-37)  
 8.464 35.42  
 DAF, Nordon, Germany (SS-a-15)  
 8.500 35.27  
 JZF, Nazaki, Japan (B-z) Works Ships  
 8.510 35.23  
 Ship stations  
 8.515 35.21  
 CZA, Drummondville, P. Q. (SS-c-6)  
 8.560 35.03  
 WOO, Ocean Gate, N. J. (SS-cy)  
 WOY, Lawrenceville, N. J.  
 8.630 34.74  
 CMA, Havana, Cuba (B-b-31)  
 8.770 34.19  
 RSZ, Irkutsk, USSR (B-cy)  
 8.820 33.99  
 KFZ, Main Base, Little America (B-cy)  
 KNRA, "Seth Parker" (B-a-37)  
 8.830 33.95  
 Ships  
 8.840 33.92  
 KFZ, Main Base, Little America (B-cy)  
 KNRA, "Seth Parker" (B-a-37)  
 8.930 33.57  
 WAD, Rocky Point, N. Y. (E-cy)  
 WEC, Rocky Point, N. Y. (E-cy)  
 8.940 33.54  
 KZGG, Cebu, P. I. (Philippine Long Distance Telephone Co.)  
 WKI, Rocky Point, N. Y. (E-cy)  
 8.950 33.50  
 WEL, Rocky Point, N. Y. (E-cy)  
 8.980 33.59  
 VWY, Kirkee, Poona, India (B-z)  
 9.010 33.28  
 KEJ, Bolinas, Calif. (E-cy)  
 9.020 33.24  
 GCS, Rugby, England (A-a-16)

9.120 32.88  
 CP5, La Paz, Bolivia (R-ax)  
 9.168 32.70  
 YVR, Maracay, Venezuela (B-cy)  
 9.170 32.70  
 KZGF, Manila, P. I. (Philippine Long Distance Telephone Co.)  
 WNA, Lawrenceville, N. J. (A-cy)  
 9.273 32.33  
 GCB, Rugby, England (A-a-16)  
 Phones Canada  
 9.332 32.13  
 CGA4, Drummondville, P. Q. (A-a-6)  
 9.410 31.86  
 PLV, Bandoeng, Java (A-a-22), Phones Australia  
 9.428 31.80  
 COH, Vedado, Havana, Cuba (R-ax)  
 9.448 31.74  
 WES, Rocky Point, N. Y. (E-cy)  
 9.460 31.79  
 WKJ, New Brunswick, N. J. (A-cy)  
 9.470 31.55  
 WET, Rocky Point, N. Y. (E-cy)  
 9.490 31.59  
 KZGH, Holo, P. I. (Philippine Long Distance Telephone Co.)  
 9.500 31.56  
 XGOX, Nanking, China (R-29) Relays XGOA (Proposed)  
 9.503 31.55  
 VK3ME, Braybank (Melbourne), Australia (R-ax)  
 9.505 31.54  
 PRF5, Rio de Janeiro, "A Vox do Brasil"  
 9.510 31.53  
 GSB, Daventry, England (R-a-17)  
 9.520 31.19  
 OXY, Skamiebaek, Denmark (R-ax), Chimes strike midnight at 6 p.m., EST.  
 9.530 31.46  
 W2XAF, Schenectady, N. Y. (R-ax), Relays WGY  
 9.540 31.43  
 DJN, Zeesen, Germany (R-a-14)  
 9.550 31.39  
 LCL, Jely, Norway. Relays Oslo. (R-a) Director General, Administration des Telegraphes du Royaume de Norvege, Oslo.  
 9.555 31.38  
 VE9DN, Drummondville, P. Q. (R-a-6)  
 9.560 31.36  
 DJA, Zeesen, Germany (R-a-14) Interval sig.: "Always be True and Honest" played on music box.  
 9.565 31.35  
 VUB, Bombay, India (R-z) Indian State Broadcasting Service, Irwin House, Sports Road, Ballard Estate, Bombay.

9.570 31.33  
 W1XAZ, Millis, Mass. (R-ax), Relays WBZ-WBZA  
 9.580 31.30  
 VK3LR, Melbourne, Australia (R-ax)  
 XGBD, Shanghai, China (R-z)  
 9.585 31.28  
 GSC, Daventry, England (R-a-17)  
 VK2ME, Sydney, Australia (R-a-3)  
 9.590 31.26  
 W3XAU, Philadelphia, Pa. (R-ax) Relays WCAU  
 9.595 31.25  
 HBL, Geneva, Switzerland (R-b-38) "Radio Nations"  
 9.600 31.23  
 CT1AA, Lisbon, Portugal (R-ax). Interval signal: cuckoo call.  
 LQA, Buenos Aires, Argentine (A-b-1)  
 9.609 31.20  
 DGU, Nauon, Germany (B-a-13)  
 9.630 31.13  
 IRO, Rome, Italy  
 9.702 30.90  
 GCA, Rugby, England (A-a-16)  
 9.750 30.75  
 RKF, Moscow, USSR (B-c)  
 VLJ, Sydney, Australia (A-a-3) Works Java.  
 WOF, Lawrenceville, N. J. (A-cy)  
 9.798 30.60  
 GCW, Rugby, England (A-a-16)  
 9.823 30.52  
 IRM, Rome, Italy (B-a-20)  
 9.830 30.50  
 LSI, Buenos Aires, Argentina (B-a-1)  
 9.840 30.47  
 FTI, Ste. Assise, France (B-a-11)  
 JYS, Kemikawa-Cho, Chiba-Ken, Japan (R-z)  
 9.862 30.40  
 EAQ, Madrid, Spain (R-a) Transradio Espanola, Apartado 951, Madrid.  
 9.870 30.38  
 WON, Lawrenceville, N. J. (A-cy)  
 9.895 30.30  
 LSN, Buenos Aires, Argentina (A-b-1)  
 9.920 30.22  
 JDY, Darien (A-z) Works JVU, Tokio.  
 9.942 30.15  
 GCU, Rugby, England (A-a-16)  
 9.990 30.01  
 KAZ, Manila, P. I.  
 10.055 29.82  
 SUV, Cairo, Egypt (B-a-10)  
 ZFB, Hamilton, Bermuda (B-c) Works N. Y.  
 10.135 29.58  
 OPM, Leopoldville, Belgian Congo (B-ax)

10.250 29.25  
 PMN, Bandoeng, Java (A-a-22)  
 10.285 29.15  
 DIQ, Zeesen, Germany (E-a-13)  
 10.290 29.14  
 HPC, Panama City, Panama (B-cy)  
 Phones Hialeah  
 10.330 29.02  
 ORK, Brussels, Belgium (B-bx)  
 ORK, Brussels, Belgium (R-ax),  
 Daily at 1 p.m.  
 10.335 29.01  
 ZFD, Hamilton, Bermuda (A-cy)  
 10.350 28.97  
 LSX, Buenos Aires, Argentina (B-cy)  
 10.370 28.91  
 WCG, Rocky Point, N. Y. (E-cy)  
 10.375 28.89  
 JVO, Nazaki, Japan (A-z) Works  
 Harbin.  
 10.400 28.83  
 KEZ, Bolinas, Calif. (E-cy)  
 10.410 28.80  
 KES, Bolinas, Calif. (E-cy)  
 10.420 28.77  
 XGW, Shanghai, China (B-z-8)  
 10.465 28.64  
 WKC, Rocky Point, N. Y. (E-cy)  
 10.520 28.50  
 CFA4, Drummondville, P. Q. (B-a-6)  
 10.550 28.42  
 WOK, Lawrenceville, N. J. (A-cy)  
 10.610 28.25  
 WEA, Rocky Point, N. Y. (E-cy)  
 10.630 28.20  
 WED, Rocky Point, N. Y. (E-cy)  
 10.660 28.12  
 JVN, Nazaki, Japan (B-z)  
 10.740 27.92  
 JVM, Nazaki, Japan (A-z)  
 10.840 27.66  
 KWV, Dixon, Calif. (A-cy)  
 10.890 27.53  
 CMA, Havana, Cuba (B-b-31)  
 10.962 27.35  
 OCI, Lima, Peru (B-c-25)  
 11.187 26.80  
 XAM, Merida, Mex. (B-bx), Phones  
 Mexico City  
 11.660 25.71  
 JVL, Nazaki, Japan (A-38) Works  
 Taiwan.  
 11.670 25.60  
 PPQ, Rio de Janeiro, Brazil (B-a-5)  
 11.720 25.58  
 CJRX, Winnipeg, Man. (R-a-33)  
 Radio Coloniale, Pontoise, France  
 (R-ax)  
 11.725 25.57  
 PHI, Huizen, Holland (R-ax)

11.750 25.51  
 GSD, Daventry, England (R-a-17)  
 11.760 25.50  
 DJD, Zeesen, Germany (R-a-14)  
 11.790 25.43  
 W1XAL, Boston, Mass. (R-ax), Re-  
 lays WEEI  
 11.830 25.34  
 W2XE, Wayne, N. J. (R-ax), Relays  
 WABC  
 11.865 25.27  
 GSE, Daventry, England (R-a-17)  
 11.870 25.25  
 W8XK, Pittsburgh, Pa. (R-ax), Re-  
 lays KDKA  
 11.900 25.19  
 XGOX, Nanking, China (R-29) Re-  
 lays XGOA (Proposed)  
 11.905 25.18  
 Rdo., Coloniale, Pontoise, France  
 11.950 25.08  
 KKQ, Bolinas, Calif. (E-cy)  
 12.000 24.99  
 RNE, Moscow, USSR. (R-ax)  
 12.020 24.94  
 JVK, Nazaki, Japan (R-z-38) Works  
 Shanghai.  
 12.148 24.68  
 GBS, Rugby, England (A-a-16)  
 12.241 24.41  
 GBU, Rugby, England (A-a-16)  
 12.394 24.19  
 DAF, Norden, Germany (SS-a-13)  
 12.660 23.68  
 CZA, Drummondville, P. Q. (SS-a-6)  
 12.780 23.46  
 GBC, Rugby, England (SS-a-16)  
 12.785 23.45  
 IAC, Coltano, Italy (SS-a-19)  
 12.820 23.38  
 CNR, Rabat, Morocco (B-a-same  
 address as "Rabat")  
 ..... Rabat, Morocco (R-ax)  
 12.830 23.36  
 HJA3, Barranquilla, Colombia (B-cy)  
 12.840 23.35  
 WOO, Ocean Gate, N. J. (SS-cy)  
 WOY, Lawrenceville, N. J.  
 12.930 23.18  
 WAW, Hialeah, Fla. (B-cy)  
 13.185 22.74  
 KFZ, Main Base, Little America  
 (B-cy)  
 13.185 13.260  
 (22.61 to 22.74 meters) SHIPS.  
 13.200 22.71  
 CFU, Rossland, B. C. (Consolidated  
 Mining & Smelting Co. of Canada,  
 Ltd.)  
 KFZ, Main Base, Little America  
 (B-cy)  
 KNRA, "Seth Parker" (B-a-37)

13.245 22.64  
 KFZ, Main Base, Little America  
 (B-cy)  
 13.260 22.61  
 KFZ, Main Base, Little America  
 (B-cy)  
 13.337 22.48  
 YVQ, Maracay, Venezuela (B-cy)  
 Phones Hialeah  
 13.390 22.39  
 WMA, Lawrenceville, N. J. (A-cy)  
 13.465 22.26  
 WKC, Rocky Point, N. Y. (E-cy)  
 13.480 22.24  
 WAJ, Rocky Point, N. Y. (E-cy)  
 13.500 22.09  
 GBB, Rugby, England (A-a-16)  
 13.560 22.11  
 JVI, Nazaki, Japan (A-z-38) Works  
 Harbin.  
 13.600 22.05  
 JYK, Kamikawa-Cho, Chiba-Ken,  
 Japan (E-z)  
 13.690 21.90  
 KKZ, Bolinas, Calif. (E-cy)  
 13.780 21.75  
 KKW, Bolinas, Calif. (E-cy)  
 13.810 to 13.830  
 (21.71 meters)  
 SUZ, Cairo, Egypt (B-a-10)  
 13.870 21.61  
 WIY, Rocky Point, N. Y. (E-cy)  
 13.900 21.57  
 WQP, Rocky Point, N. Y. (E-cy)  
 13.984 21.44  
 GBA, Rugby, England (A-a-16)  
 14.000 to 14.400  
 (20.82 to 21.42 meters), amateur  
 band. Phones from 14.150 to  
 14.250 megs.  
 14.450 20.75  
 GBW, Rugby, England (A-a-16)  
 14.470 20.72  
 WMF, Lawrenceville, N. J. (A-cy)  
 14.480 20.70  
 LSN, Buenos Aires, Arg. (A-b-1)  
 YNA, Managua, Nicaragua (B-cy),  
 Phones  
 14.545 20.69  
 HPF, Panama City, Panama (B-cy)  
 Phones Hialeah  
 TGF, Guatemala City, Guatemala  
 (B-cy) Phones Hialeah  
 TIN, Cartago, Costa Rica (B-b-9)  
 TIU, Cartago, Costa Rica (B-b-9)  
 14.590 20.55  
 WMN, Lawrenceville, N. J. (A-cy)  
 14.600 20.54  
 JVH, Nazaki, Japan (A-z-38) Works  
 GCJ  
 14.682 20.42  
 PSF, Rio de Janeiro, Brazil (A-b-4)  
 14.800 20.26  
 WQV, Rocky Point, N. Y. (E-cy)

14.815 20.23  
**WQL, Rocky Point, N. Y. (E-cy)**  
 14.830 20.21  
**WKU, Rocky Point, N. Y. (E-cy)**  
 14.930 20.08  
**HJB, Bogota, Colombia (B-cy)**  
 14.969 20.03  
**EDQ, Madrid, Spain (B-a-28)**  
 14.980 20.01  
**KAY, Manila, P. I. (A-cy)**  
 15.040 19.93  
**RKI, Moscow, USSR (B-c) Works RIM**  
**WQG, Rocky Point, N. Y. (E-cy)**  
 15.055 19.91  
**WNC, Hialeah, Fla. (B-cy)**  
 15.090 19.87  
**RKI, Moscow, USSR (B-c) Works Rocky Point**  
 15.104 19.85  
**RAU, Tashkent, USSR. (B-cy)**  
 15.120 19.83  
**HVJ, Vatican City (R-ax)**  
 15.140 19.81  
**G5F, Daventry, England (R-a-17)**  
 15.200 19.73  
**DJB, Zeesen, Germany (R-a-14)**  
 15.210 19.71  
**W8XK, Pittsburgh, Pa. (R-ax), Relays KDKA**  
 15.220 19.70  
**PCJ, Hilversum, Neth. (R-a-49)**  
 15.234 19.68  
**Rdo., Coloniale, Pontoise, France (R-ax)**  
 15.250 19.66  
**W1XAL, Boston, Mass. (R-ax), Relays WEEI**  
 15.270 19.64  
**W2XE, Wayne, N. J. (R-ax), Relays WABC**  
 15.300 19.70  
**CP5, La Paz, Bolivia (R-ax)**  
 15.340 19.55  
**W2XAD, Schenectady, N. Y. (R-ax) Relays WGY**  
 15.355 19.52  
**KWU, Dixon, Calif. (A-cy)**  
 15.415 19.45  
**KWO, Dixon, Calif. (A-cy)**  
 15.454 19.40  
**Rdo., Coloniale, Pontoise, France (R-ax)**  
 15.620 19.19  
**JVF, Nazaki, Japan (A-a-38)**  
 15.650 19.16  
**JVE, Nazaki, Japan (A-z)**  
 15.821 18.95  
**OCJ, Lima, Peru (B-c-25)**

15.860 18.90  
**CEC, Santiago, Chile (B-c-7)**  
 15.863 18.90  
**FTK, Ste. Assise, France (B-a-11)**  
 16.030 18.71  
**KKP, Kahuku, Hawaii (A-cy)**  
 16.150 18.56  
**GBX, Rugby, England (A-a-16)**  
 16.270 18.48  
**WLK, Lawrenceville, N. J. (A-cy)**  
 16.380 18.30  
**XGN, Shanghai, China (B-a-8)**  
 17.080 17.55  
**GBC, Rugby, England (SS-a-16)**  
 17.120 17.51  
**WOO, Ocean Gate, N. J. (SS-cy)**  
**WOY, Lawrenceville, N. J.**  
 17.260 17.37  
**DAF, Norden, Germany (SS-a-15)**  
 17.310 17.32  
**CZA, Drummondville, P. Q. (SS-c-6)**  
**W3XL, Boundbrook, N. J. (R-a-37)**  
 17.512 17.12  
**DFF, Nauen, Germany (B-a-13)**  
 17.533 17.10  
**VWZ, Kirkee, Poona, India (B-z)**  
 17.600 17.04  
**KFZ, Main Base, Little America (B-cy)**  
 17.620 17.01  
**KFZ, Main Base, Little America (B-cy)**  
 17.720 16.92  
**HSP, Bangkok, Slam (BX-a-27)**  
 17.760 16.88  
**DJE, Zeesen, Germany (E-a-14)**  
 17.770 16.87  
**IAC, Coltano, Italy (SS-a-10)**  
 17.775 16.87  
**PHI, Hulzen, Holland (R-ax)**  
 17.780 16.86  
**W3XAL, Boundbrook, N. J. (R-a-37)**  
**W8XK, Pittsburgh, Pa. (R-ax)**  
**W9XAA, Chicago, Ill. (R-ax)**  
 17.790 16.85  
**GSG, Daventry, England (R-a-17)**  
 17.800 16.84  
**XGOX, Nanking, China (R-29) Relays XGOA (Proposed)**  
 17.830 16.82  
**PCV, Kootwijk, Holland (A-b-18)**  
 17.860 16.78  
**WQC, Rocky Point, N. Y. (E-cy)**  
 17.880 16.76  
**WQI, Rocky Point, N. Y. (E-cy)**  
 18.020 16.64  
**KQJ, Bollnas, California (E-cy)**  
 18.170 16.50  
**PMC, Bandoeng, Java (A-a-22)**

18.180 16.49  
**CGA, Drummondville, P. Q. (A-c-6)**  
 18.190 16.48  
**JVB, Nazaki, Japan (A-z-38) Works PLE, PLV**  
 18.200 16.47  
**GAW, Rugby, England (A-cy)**  
 18.296 16.39  
**YVR, Maraca, Venezuela (B-cy)**  
 18.304 16.38  
**GAS, Rugby, England (A-a-16)**  
 18.350 16.34  
**WLA, Lawrenceville, N. J. (A-cy)**  
 18.400 16.29  
**PCK, Kootwijk, Holland (A-b-18)**  
 18.444 16.25  
**HJY, Bogota, Colombia (B-cy)**  
 18.611 16.11  
**GAU, Rugby, England (A-a-16)**  
 18.670 16.06  
**OCI, Lima, Peru (B-cy)**  
 18.690 16.04  
**XGK, Shanghai, China (B-b-8)**  
 18.820 15.93  
**PLE, Bandoeng, Java (A-a-22)**  
 18.860 15.89  
**WKM, Rocky Point, N. Y. (E-cy)**  
 18.890 15.87  
**ZSS, Capetown, Union of S. Africa (A-a)**  
 18.958 15.82  
**LSR, Buenos Aires, Arg. (B-b-1)**  
 18.963 15.81  
**GAG, Rugby, England (A-a-16)**  
 19.121 15.68  
**LSM, Buenos Aires, Arg. (A-b-1)**  
 19.182 15.63  
**ORG, Brussels, Belgium (B-ax)**  
 19.220 15.60  
**WKF, Lawrenceville, N. J. (A-cy)**  
 19.240 15.58  
**DFA, Nauen, Germany (B-a-13)**  
 19.270 15.57  
**PPU, Rio de Janeiro, Brazil (A-b-5)**  
 19.282 15.55  
**FTM, Ste. Assise, France (B-a-11)**  
 19.418 15.44  
**EDQ, Madrid, Spain (B-a-28)**  
 19.506 15.37  
**IRW, Rome, Italy (B-a-20)**  
 19.519 15.36  
**EDN, Madrid, Spain (B-a-28) Phones Canarias**  
**EDX, Madrid, Spain (B-a-28) Phones Chile**  
 19.680 15.24  
**CEC, Santiago, Chile (B-c-7)**  
 19.820 15.13  
**WKN, Lawrenceville, N. J. (A-cy)**

19.895 15.07  
 LSG, Buenos Aires, Arg. (A-b-1)  
 19.980 15.01  
 KAX, Manila, P. I. (A-cy)  
 20.028 14.97  
 DHO, Nauen, Germany (B-a-13)  
 OPL, Leopoldville, Belgian Congo  
 (B-ax)  
 20.100 14.91  
 WQY, Rocky Point, N. Y. (E-cy)  
 20.368 14.72  
 GAA, Rugby, England (A-a-16)  
 20.606 14.55  
 PMB, Bandoeng, Java (A-a-22)

20.820 14.40  
 LSY, Buenos Aires, Arg. (B-b-2)  
 20.849 14.38  
 EHY, Madrid, Spain (B-a-28)  
 21.020 14.27  
 LSN, Buenos Aires, Arg. (A-b-1)  
 21.060 14.24  
 KWN, Dixon, Calif. (A-cy) Phones  
 Kekohad, Hawaii  
 WKA, Lawrenceville, N. J. (A-cy)  
 21.069 14.23  
 PSA, Rio de Janeiro, Brazil (A-b-4)

21.128 14.19  
 LSM, Buenos Aires, Arg. (A-b-1)  
 21.410 14.00  
 WKK, Lawrenceville, N. J. (A-cy)  
 21.460 13.97  
 WIXAL, Boston, Mass. (R-ax)  
 21.470 13.96  
 GSH, Davenport, England (R-a-17)  
 21.540 13.92  
 W8XK, Pittsburgh, Pa. (R-ax)  
 22.291 13.45  
 GBU, Rugby, England (A-a-16)

## SHORT WAVE INDEX BY LOCATIONS

**ALABAMA**  
 Birmingham  
 WPFM 2.382  
 Mobile  
 WPGW 2.382  
**ALASKA**  
 Afognak  
 3.265  
 Baranof Island  
 KIJS 2.994  
 Cape Polo  
 2.994  
 Circle  
 KIKK 2.994  
 KIKK 3.190  
 Deep Cove  
 KIJV 2.994  
 Eagle  
 KIIN 2.994  
 KIIN 3.190  
 Egushik  
 KIGP 3.190  
 Excursion Inlet  
 KILY 2.994  
 Fort Yukon  
 KIL 2.994  
 KIL 3.190  
 Hot Springs  
 KIIM 2.994  
 KIIM 3.190  
 Kadiak Island  
 KIIX 3.265  
 Ketchikan  
 KGM 3.093  
 WXH 6.662  
 McGrath  
 KIIO 2.994  
 KIIO 3.190  
 Marshall  
 KIHU 3.385  
 Peril Straits  
 KIUN 3.190  
 Poorman  
 KIEJ 2.994  
 Port Armstrong  
 KGXU 2.994  
 Port Conclusion  
 KIJI 3.265  
 Port Herbert  
 KIJO 2.994  
 St. Michael  
 KIIT 3.265  
 Shearwater Bay  
 KIJW 3.265  
 Skowl Arm  
 3.265  
 Uganik Bay  
 KIJP 3.093

View Cove,  
 Dall Is.  
 KICI 3.093  
 Washington Bay  
 Kulu Island  
 KIJK 3.265  
 Willow Creek  
 Mines  
 KIIP 3.093  
**ARIZONA**  
 Phoenix  
 1.698  
 KGZJ 2.430  
**ARKANSAS**  
 Little Rock  
 KILU 1.622  
 KGHZ 2.406  
**CALIFORNIA**  
 Bakersfield  
 KGPS 2.414  
 Berkeley  
 KSW 1.658  
 KSW 2.422  
 Boinas  
 KEL 6.860  
 KEB 7.370  
 KEE 7.715  
 KEJ 9.010  
 KES 10.400  
 KEZ 10.400  
 KKQ 11.950  
 KKZ 13.690  
 KKW 13.810  
 KQJ 18.020  
 Compton  
 KNFM 2.490  
 Death Valley  
 KNLO 3.410  
 Devil's Post Pile  
 Nat'l Monument  
 KNKY 3.410  
 Dixon  
 KWY 7.565  
 KWX 7.610  
 KWW 10.840  
 KWU 15.355  
 KWO 15.415  
 KWN 21.060  
 Fresno  
 KGZA 2.414  
 Hollywood  
 KIED 1.622  
 KIED 2.150  
 KIHQ 2.150  
 Long Beach  
 2.430  
 Los Angeles  
 KGPL 1.712  
 Palo Alto  
 KGHK 2.470

**Pasadena**  
 KGJX 1.712  
 Pomona  
 KNFJ 1.712  
 Sacramento  
 2.422  
 San Bernardino  
 KGZV 1.712  
**CALIFORNIA**  
 San Diego  
 KIEO 2.150  
 KGZD 2.490  
 San Francisco  
 KIFP 2.150  
 KGPD 2.468  
 San Jose  
 KGPM 2.466  
 Santa Ana  
 KGHX 2.430  
 Santa Barbara  
 KGZO 2.414  
 Santa Cruz  
 KGZT 1.674  
 Tulare  
 WPDA 2.414  
 Vallejo  
 KGPG 2.422  
 Whittier  
 KGHY 1.712  
 Wilmington  
 KOU 2.566  
 Yosemite  
 Nat'l Park  
 KNKS 3.410  
**COLORADO**  
 Denver  
 KGXP 2.442  
**CONNECTICUT**  
 Bridgeport  
 WPFW 2.466  
**DISTRICT OF COLUMBIA**  
 Washington  
 WPDW 2.422  
**FLORIDA**  
 Hialeah  
 WND 4.098  
 WAW 12.930  
 WNC 15.055  
 Jacksonville  
 WPFQ 2.442  
 Lakeland  
 WPFY 2.442  
 Miami  
 WPFZ 2.442  
 W4XB 6.040  
 Opa Locka  
 WMEV 2.930  
 WMEV 6.615

**Orlando**  
 WPHM 2.442  
 Palm Beach  
 WPEX 2.442  
 St. Petersburg  
 WMEU 2.930  
 WMEU 6.615  
 Tampa  
 WPHN 2.442  
**GEORGIA**  
 Atlanta  
 WPDY 2.414  
 Columbus  
 WPFI 2.414  
 La Grange  
 WPGM 2.414  
**HAWAII**  
 Honolulu  
 KGPO 1.712  
 Kahuku  
 KEQ 6.733  
 KDK 7.520  
 KKH 7.520  
 KKP 16.030  
**IDAHO**  
 Idaho Falls  
 2.458  
**ILLINOIS**  
 Chicago  
 WPDD 1.712  
 WPDC 1.712  
 WPDB 1.712  
 W9XAA 6.080  
 W9XF 6.100  
 W9XF 6.425  
 W9XAA 17.780  
 Highland Park  
 WPFDF 2.430  
 Rockford  
 WPGD 2.458  
**INDIANA**  
 Fort Wayne  
 WPDZ 2.490  
 Indianapolis  
 WNEI 1.622  
 WNEI 2.150  
 WMDZ 2.442  
 Kokomo  
 WPDY 2.490  
 Marion Co.  
 WPHE 1.634  
 Muncie  
 WPGP 2.442  
 Richmond  
 WPDH 2.442  
 South Bend  
 WPGN 2.490

**IOWA**  
 Cedar Rapids  
 KGOZ 2.466  
 Davenport  
 KGPN 2.466  
 Des Moines  
 KGHO 1.682  
 KGZG 2.466  
 Sioux City  
 KGPK 2.466  
 Storm Lake  
 1.682  
**IOWA**  
 Waterloo  
 KNFN 1.682  
 KANSAS  
 Chanute  
 KGZF 2.450  
 Coffeyville  
 KGZP 2.450  
 Garden City  
 KNFH 2.474  
 Hutchinson  
 KGHN 2.450  
 Leavenworth  
 KNFF 2.422  
 Topeka  
 KGZC 2.422  
 Wichita  
 KGZP 2.450  
**KENTUCKY**  
 Lexington  
 WPET 1.706  
 Louisville  
 WPDE 2.442  
**LOUISIANA**  
 Baton Rouge  
 WPEQ 1.570  
 New Orleans  
 WPEK 2.430  
 Shreveport  
 KGPY 1.596  
 KGZL 1.712  
 KILB 2.150  
**MAINE**  
 Portland  
 WPFU 2.422  
**MARYLAND**  
 Baltimore  
 WPFH 2.414  
 Massachusetts  
 Arlington  
 WPED 1.712  
 Boston  
 WEY 1.630  
 WPGV 1.712  
 WIXAL 6.040  
 WIXAL 11.790  
 WIXAL 15.250  
 WIXAL 21.460

**Brookline**  
 WPEJ 1.712  
 Fairhaven  
 WPFN 1.712  
 Fitchburg  
 WPHA 2.466  
 Framingham  
 WMP 1.666  
 Medford  
 WPBG 1.712  
 Millis  
 W1XAZ 9.570  
 Newton  
 WPPA 1.712  
 Northampton  
 WPEW 1.666  
 Somerville  
 WPEH 1.712  
 W. Bridgeport  
 WPEL 1.666  
 Worcester  
 WPGX 2.466  
**MICHIGAN**  
 Bay City  
 WPGA 2.466  
 Detroit  
 WKDT 1.630  
 WCK 2.414  
 WPDX 2.414  
 E. Lansing  
 WRDS 1.642  
 Flint  
 WPDF 2.442  
 Grand Rapids  
 WPEB 2.442  
 Grosse Pointe  
 WRDR 2.414  
 Highland Park  
 WMO 2.414  
 Jackson  
 2.466  
 Lansing  
 WPDL 2.442  
 Muskegon  
 WPFK 2.442  
 Port Huron  
 WPGB 2.466  
 Saginaw  
 WPES 2.442  
 Selfridge Field  
 VKI 6.425  
**MINNESOTA**  
 Duluth  
 KNFE 2.382  
 Minneapolis  
 KIFI 1.622  
 KIFI 2.550  
 KGPB 2.430  
 St. Paul  
 KIGA 1.606

KIGA 2.102	Auburn	OHIO	KAY 14.980	KGHD 2.490	NOVA SCOTIA
WPDS 2.430	WPDN 2.382	Akron	KAX 19.980	WVD 2.604	Halifax
MISSOURI	Binghamton	WPDO 2.458	RHODE ISLAND	WVD 5.995	VE9HX 6.110
Kansas City	WPGI 2.442	Cincinnati	Cranston	Skykomish	Lunenburg
KGPE 2.422	Bronx	WKDU 1.706	WPGK 2.466	..... 2.490	VBY 1.540
St. Louis	WPEF 2.450	W8XAL 6.060	Pawtucket	Snoqualmie	ONTARIO
KIEF 1.622	Buffalo	WRBH 2.458	WPFV 2.466	Pass	Bowmanville
KGPC 1.706	WMJ 2.422	Cleveland	Providence	KGHE 2.490	VE9GV 6.095
KIEF 2.150	Huntington	WPGQ 1.596	WPEI 1.712	Snow Flow	Kenora
MONTANA	WPGO 2.490	WPGQ 1.596	Woonsocket	..... 2.490	CFD 5.660
Glacier Nat'l	WPGS 2.490	WPDI 2.430	WPEM 2.466	Spokane	Red Lake
Park	Mitchell Field,	Dayton	TENNESSEE	KGHS 2.458	CFJ 5.660
KNIA 3.410	L. I.	WPDN 2.430	Johnson City	Tacoma	QUEBEC
NEBRASKA	VO9 6.380	Findlay	WPGZ 2.474	KGZN 2.414	Drummondville
Lincoln	New York	WPGG 1.596	Knoxville	Vancouver	CZA 2.980
KIHH 2.190	WKEM 1.622	Lorain	WPF0 2.474	..... 2.490	CFA2 4.465
KGZU 2.490	WIEH 1.622	WMES 2.550	Memphis	Walla Walla	CZA 4.785
Norfolk	WIEG 2.150	Massillon	WPEC 2.466	..... 2.490	VE9DN 6.005
WLEX 2.150	WKEM 2.150	WPHC 1.596	TEXAS	Yakima	CZA 6.285
Omaha	WPEG 2.450	Portsmouth	Austin	..... 2.490	CGA7 6.880
KGPI 2.466	WOZ 3.423	WPGI 2.430	KGHU 2.442	WEST	CZA 8.515
NEVADA	W2XE 6.120	Steubenville	Beaumont	VIRGINIA	CGA4 9.332
Las Vegas	WNFX 2.422	Suffield	KGPI 1.712	Charleston	VE9DN 9.555
KGHG 2.474	Rochester	WMEP 2.930	KGHT 2.382	WPHI 2.490	CFA4 10.550
Reno	WPDR 2.422	WMEP 6.615	Cleburne	Clarksburg	CZA 12.660
KGHM 2.474	Rocky Point	Toledo	..... 1.712	WPF 2.490	CZA 17.310
NEW	WDN 4.550	WRDQ 2.474	Corpus Christi	Fairmont	CGA 18.180
HAMPSHIRE	WQN 5.263	Wilmington	KGHV 2.382	WPHJ 2.490	Montreal
Nashua	WQN 5.825	WPHK 1.596	Dallas	Parkersburg	VYR 1.712
WPHB 2.422	WDB 6.718	WPBX 1.682	KVP 1.712	..... 2.490	VE9DR 6.005
NEW JERSEY	WQO 6.725	Youngstown	El Paso	WISCONSIN	Tabouret
Boundbrook	WEJ 6.740	Zanesville	KGZM 2.414	Kenosha	CFL 1.620
W3XAL 6.100	WKP 6.950	WHIO 2.430	Fort Worth	WPEP 2.450	Verdun
W3XL 6.425	WJN 7.370	OKLAHOMA	KGPR 1.712	Milwaukee	Saskatchewan
W3XL 17.310	WEM 7.400	Lawton	KGZB 1.712	WJER 1.606	Cub Lake
W3XAL 17.780	WAD 8.930	KGHP 2.466	Lubbock	WJER 2.102	CFC 1.596
Hackensack	WAD 8.930	Oklahoma City	KGZV 2.458	WPKD 2.450	Emma Lake
WPFK 2.430	WKL 8.940	KGHP 2.450	San Antonio	CANADA	CGV 1.596
Lawrenceville	WEL 8.950	Tulsa	KGZE 2.482	BRITISH	Isle-a-La-Crosse
WOY 4.273	WES 9.448	KGPO 2.450	Waco	COLUMBIA	Lac La Ronge
WOY 4.753	WET 9.470	OREGON	KGZQ 1.712	Alert Bay	CGQ 1.596
WOY 5.850	WCG 10.370	Hood River	Wichita Falls	VAF 1.510	Prince Albert
WOY 8.560	WKC 10.520	KIJY 2.728	KGZI 2.458	Anyox	VYP 1.596
WNA 9.170	WEA 10.610	Klamath Falls	UTAH	CXQ 5.405	Newfoundland
WON 9.870	WED 10.630	KGZH 2.382	Salt Lake City	Campbell River	St. John
WOF 9.750	WKC 13.465	Portland	KGPV 2.406	CJD 1.510	CJW 2.414
WOK 10.550	WAJ 13.500	KGPP 2.442	VIRGINIA	CJD 1.540	VE9BJ 6.090
WMA 13.465	WIY 13.900	Salem	Bolling Field	CGT 4.865	VIRGIN
WMF 14.470	WQP 13.984	KGZR 2.442	IS3 8.412	Cape Lazo	ISLAND
WMN 14.590	WQV 14.800	Pennsylvania	Langley Field	VAC 1.510	St. Croix
WLK 16.270	WQL 14.815	Harrisburg	FGT 6.645	BRITISH	WTDW 4.295
WOY 17.128	WKU 14.830	WSP 1.682	Richmond	COLUMBIA	WTDX 4.295
WLA 18.350	WQG 15.040	New Castle	WPHF 2.450	Claydon Bay	St. Thomas
WKF 19.220	WQC 17.860	Philadelphia	WASHINGTON	CZP 4.505	WTDV 4.295
WKN 19.820	WQI 17.880	WPD 2.474	Aberdeen	Knight Inlet	CENTRAL
WKA 21.060	WKM 18.860	W3XAU 6.060	KGZV 2.414	CJK 1.510	AMERICA
WKK 21.410	WQY 20.100	W3XAU 9.590	Alpova Camp	Ocean Falls	COSTA RICA
New Brunswick	NEW YORK	Pittsburgh	..... 2.490	Prince George	Cartago
WKJ 9.460	St. George,	WHER 1.606	Centralla	CZO 4.505	TIR 7.685
Ocean Gate	Staten Is.	WPDU 1.712	Chinook Pass	Prince Rupert	TIN 15.545
WOG 4.253	WOX 2.590	WHER 2.102	..... 2.490	CGZ 1.712	TIU 15.545
WOO 4.273	Schenectady	W8XK 6.140	Edmonds	CZG 2.414	San Jose
WOO 4.753	W2XAD 15.340	W8XK 11.870	KOW 2.522	CGP 3.268	TIXGP3 5.795
WOO 8.560	W2XAF 9.530	W8XK 15.210	Everett	CGP 5.405	TIEP 6.710
WOO 12.840	S. Schenectady	W8XK 17.780	..... 2.414	CGZ 6.425	GUATEMALA
WOO 17.120	WPGC 1.658	W8XK 21.540	Hells Crossing	Rossland	Guatemala City
Passaic	Syracuse	Reading	Camp	CFU 4.755	TGX 5.937
WPDJ 2.414	WPEA 2.382	WPEE 2.442	..... 2.490	CFU 5.660	TGF 15.455
Wayne	Utica	Swarthmore	Ilwaco	CFU 6.720	PANAMA
W2XE 11.830	WPGJ 2.414	WPF0 2.474	..... 2.490	CFU 13.200	Panama City
W2XE 15.270	Wright Field	PHILIPPINES	Mt. Vernon	Vancouver	HP5B 6.030
NEW MEXICO	PE2 6.445	Cebu	KNFI 2.414	CGZ 2.452	HPC 10.290
Albuquerque	Yonkers	KGZG 5.825	Olympia	VE9CS 6.070	HPF 15.455
KGZX 2.414	WPFY 2.442	KGZG 8.940	KNFG 2.490	MANITOBA	MEXICO
Clovis	NORTH CAROLINA	Hilo	Satus Pass	Winnipeg	D. F.
KNFA 2.414	Asheville	KGZH 5.785	Camp	WYW 2.416	Mexico City
Santa Fe	WPF5 2.458	KGZH 9.490	Seattle	CJU 3.070	XEBT 6.000
KGPF 2.414	WPF5 2.474	Manila	KIEL 1.622	CJU 3.452	YUCATAN
NEW YORK	Charlotte	KZGF 5.765	KIEL 2.150	CJRO 6.150	Merida
Albany	WPDV 2.458	KZGF 9.170	KGPA 2.414	CJRX 11.720	XAM 5.766
WLEB 1.646		KAZ 9.990			XAM 11.187
WPGH 2.414					

<b>WEST INDIES</b>	<b>BRAZIL</b>	<b>YVR</b> 9.168	<b>GDB</b> 6.790	<b>EDX</b> 19.519	<b>JVT</b> 6.750
<b>BAHAMAS</b>	Rio de Janeiro	<b>YVQ</b> 13.337	<b>GDS</b> 6.905	<b>EHY</b> 20.849	<b>JVS</b> 6.990
Nassau	<b>PSK</b> 8.180	<b>YVR</b> 18.296	<b>GCS</b> 9.020	Santa Cruz de	<b>JVR</b> 7.390
<b>ZFS</b> 4.513	Rio de Janeiro	Valencia	<b>GCB</b> 9.273	Tenerife	<b>JVQ</b> 7.470
<b>BERMUDA</b>	<b>PRF5</b> 9.505	<b>YV6RV</b> 6.030	<b>GCA</b> 9.702	<b>EA8AB</b> 7.205	<b>JVP</b> 7.510
Hamilton	<b>PPQ</b> 11.670	<b>EUROPE</b>	<b>GCW</b> 9.708	<b>SWITZERLAND</b>	<b>JZF</b> 8.500
<b>ZFA</b> 5.025	<b>PSF</b> 14.682	<b>AUSTRIA</b>	<b>GCU</b> 9.942	Geneva	<b>JVO</b> 10.375
<b>ZFB</b> 10.055	<b>PPU</b> 19.270	Vienna	<b>GBS</b> 12.148	<b>HBP</b> 7.797	<b>JVN</b> 10.660
<b>ZFD</b> 10.335	<b>PSA</b> 21.069	<b>OER2</b> 6.075	<b>GBU</b> 12.241	<b>HBL</b> 9.595	<b>JVM</b> 10.720
<b>CUBA</b>	<b>CHILE</b>	<b>BELGIUM</b>	<b>GBC</b> 12.780	<b>U.S.S.R.</b>	<b>JVL</b> 11.660
Havana	Santiago	Brussels	<b>GBB</b> 13.560	Irkutsk	<b>JVK</b> 12.020
<b>COC</b> 6.010	<b>CEC</b> 15.860	<b>ORK</b> 10.330	<b>GBA</b> 13.984	<b>RIM</b> 7.620	<b>JVI</b> 13.560
<b>CMB-1</b> 5.900	<b>CEC</b> 19.680	<b>ORK</b> 10.330	<b>GBW</b> 14.450	<b>RSZ</b> 8.770	<b>JVH</b> 14.600
<b>CMB</b> 6.790	<b>COLOMBIA</b>	<b>ORG</b> 19.182	<b>GBX</b> 16.150	<b>RV15</b> 0.850	<b>JVF</b> 15.620
<b>CMB</b> 7.960	Barranquilla	<b>ENMARK</b>	<b>GBC</b> 17.080	Khabarovsk	<b>JVE</b> 15.650
<b>CMA</b> 8.630	<b>HJ1ABG</b> 6.042	Shamlebaek	<b>GAW</b> 18.200	Moscow	<b>JVB</b> 18.190
<b>COH</b> 9.428	<b>HJ1ABB</b> 6.447	<b>OXY</b> 9.520	<b>GAS</b> 18.304	<b>RV59</b> 5.996	Taiwan
<b>CMA</b> 10.890	<b>HJ3A</b> 12.830	<b>FRANCE</b>	<b>GAU</b> 18.611	<b>RKF</b> 6.870	<b>JIC</b> 5.890
<b>JAVA</b>	Bogota	Ste. Assise	<b>GAG</b> 18.963	<b>RKF</b> 6.880	<b>SIAM</b>
Bandoeng	<b>HJ2A</b> 5.825	<b>FTI</b> 9.840	<b>GAA</b> 20.368	<b>RKI</b> 6.900	Bangkok
<b>PMY</b> 5.143	<b>HJ3ABI</b> 6.045	<b>FTK</b> 15.863	<b>GBU</b> 22.291	<b>RKI</b> 7.565	<b>HSP</b> 17.720
<b>YDA</b> 6.120	<b>HJN</b> 6.080	<b>FTM</b> 19.282	<b>HOLLAND</b>	<b>RKF</b> 9.750	<b>AFRICA</b>
<b>PK1WK</b> 6.057	<b>HJ3ABF</b> 6.200	<b>GERMANY</b>	Hilversum	<b>RNE</b> 12.000	<b>BELGIAN</b>
<b>PLV</b> 9.410	<b>HKE</b> 7.090	Nauen	<b>PCJ</b>	<b>RKI</b> 15.040	<b>CONGO</b>
<b>PMN</b> 10.250	<b>HJP</b> 7.465	<b>DGK</b> 6.675	Hulzen	<b>RKI</b> 15.090	Leopoldville
<b>PMC</b> 18.170	<b>HJB</b> 14.930	<b>DGU</b> 9.609	<b>PHI</b> 11.725	Tashkent	<b>OPM</b> 10.135
<b>PLE</b> 18.820	<b>HJY</b> 18.444	<b>DFB</b> 17.512	<b>PHI</b> 17.775	<b>RAU</b> 15.104	<b>OPL</b> 20.028
<b>PMB</b> 20.606	Call	<b>DFA</b> 19.240	<b>PCV</b> 17.830	<b>ASIA</b>	<b>EGYPT</b>
<b>DOMINICAN</b>	<b>HJ5ABD</b> 6.490	<b>DFO</b> 20.028	<b>CPK</b> 18.400	China	Cairo
<b>REPUBLIC</b>	Cucuta	<b>Norden</b>	<b>ITALY</b>	Nanking	<b>SUV</b> 10.055
San Pedro de	<b>HJ2ABC</b> 5.975	<b>DAF</b> 4.320	Coltano	<b>XGOX</b> 6.000	<b>SUZ</b> 13.870
Macoris	Manizales	<b>DAF</b> 8.464	<b>IAC</b> 12.785	<b>XGOX</b> 9.500	<b>MOROCCO</b>
<b>HIH</b> 6.800	<b>HJ4ABB</b> 7.200	<b>DAF</b> 12.394	<b>IAC</b> 17.770	<b>XGOX</b> 11.900	Rabat
Santiago de Los	<b>ECUADOR</b>	<b>DAF</b> 17.260	<b>Rome</b>	<b>XGOX</b> 17.800	<b>CNR</b> 8.035
Caballeros	Guayaquil	<b>Zeesen</b>	<b>IRA</b> 6.070	Shanghai	<b>CNR</b> 12.820
<b>HI-1-A</b> 6.240	<b>HC2RL</b> 6.659	<b>DJG</b> 4.580	<b>IRF</b> 8.070	<b>XGO</b> 7.575	<b>UNION</b>
Santo Domingo	<b>HC2ET</b> 4.600	<b>DJM</b> 6.080	<b>IRO</b> 9.630	<b>XGL</b> 7.960	S. AFRICA
<b>HIX</b> 5.980	<b>PRADO</b> 6.620	<b>DJC</b> 6.020	<b>IRM</b> 9.823	<b>XGBD</b> 9.580	Capetown
<b>HIZ</b> 6.380	<b>NICARAGUA</b>	<b>DJN</b> 9.540	<b>IRW</b> 15.506	<b>XGN</b> 10.428	<b>ZSS</b> 18.890
<b>HI4D</b> 6.500	Managua	<b>DJA</b> 9.565	Vatican City	<b>XGK</b> 18.690	<b>OCEANIA</b>
<b>HIL</b> 6.518	<b>YNLF</b> 6.950	<b>DIQ</b> 10.285	<b>HVJ</b> 5.968	<b>INDIA</b>	AUSTRALIA
<b>SOUTH</b>	<b>YNA</b> 14.480	<b>DJD</b> 11.760	<b>HVJ</b> 15.120	Bombay	Braybank
<b>AMERICA</b>	<b>PERU</b>	<b>DJB</b> 15.200	<b>NORWAY</b>	<b>VUB</b> 5.565	<b>VK3ME</b> 9.503
<b>ARGENTINE</b>	Lima	<b>DJE</b> 17.760	Jeloy	<b>POONA</b>	Melbourne
Buenos Aires	<b>OAX4D</b> 5.780	<b>GREAT</b>	<b>LCL</b> 6.990	<b>VWY</b> 8.980	<b>VK3LR</b> 9.580
<b>LQA</b> 9.600	<b>OCI</b> 10.962	<b>BRITAIN</b>	<b>LCL</b> 9.550	<b>VWZ</b> 17.533	Sydney
<b>LSI</b> 9.830	Lima	Davertry	<b>PORTUGAL</b>	<b>JAPAN</b>	<b>VLZ</b> 7.960
<b>LSN</b> 9.895	<b>OCI</b> 15.821	<b>GSA</b> 6.050	Portugal	Darien	<b>VK2ME</b> 9.585
<b>LSX</b> 10.350	<b>OCI</b> 18.670	<b>GSB</b> 9.510	Portugal	<b>JDZ</b> 5.710	<b>VLJ</b> 9.750
<b>LSN</b> 14.480	<b>URUQUAY</b>	<b>GSC</b> 9.585	Portugal	<b>JDY</b> 9.920	<b>NEW ZEALAND</b>
<b>LSR</b> 18.958	Montevideo	<b>GSD</b> 11.750	Portugal	Kemikawa-Cho.	Wellington
<b>LSM</b> 19.121	<b>CWD</b> 5.830	<b>GSE</b> 11.865	Madrid	Chiba-Ken	<b>ZLR</b> 7.390
<b>LSG</b> 19.895	<b>ENEZUELA</b>	<b>GSE</b> 11.865	<b>EDQ</b> 6.966	<b>JYR</b> 7.880	<b>SOUTH POLE</b>
<b>LSY</b> 20.820	Caracas	<b>GSF</b> 15.140	<b>EDQ</b> 6.966	<b>JYS</b> 9.840	Little America
<b>LSN</b> 21.020	<b>YV2RC</b> 6.112	<b>GSG</b> 17.790	<b>EDQ</b> 6.966	<b>JYK</b> 13.600	<b>KFZ</b> 13.185
<b>LSM</b> 21.128	<b>YV3RC</b> 6.150	<b>GSH</b> 21.470	<b>EDQ</b> 8.017	<b>JZC</b> 5.830	<b>KFZ</b> 13.200
<b>BOLIVIA</b>	<b>YV4RC</b> 6.375	<b>Rugby</b>	<b>EDQ</b> 9.862	<b>Nazaki</b>	<b>KFZ</b> 13.245
La Paz	Maracaibo	<b>GDS</b> 4.320	<b>EDQ</b> 14.969	<b>JJV</b> 5.730	<b>KFZ</b> 13.260
<b>CP5</b> 6.080	<b>YV5RMO</b> 5.850	<b>GDW</b> 4.820	<b>EDQ</b> 19.418	<b>JVU</b> 5.790	<b>KFZ</b> 17.600
<b>CP5</b> 9.120	Maracay	<b>GBC</b> 4.975	<b>EDN</b> 19.519		<b>KFZ</b> 17.620
<b>CP5</b> 15.300	<b>YVQ</b> 6.672				

## SHORT WAVE INDEX BY CALLS

<b>CEC</b> 15.860	<b>CGQ</b> 1.596	<b>CPS</b> 15.300	<b>CZG</b> 2.414	<b>DJD</b> 11.760	<b>FTM</b> 19.282	<b>GCS</b> 9.020
<b>CEC</b> 19.680	<b>CGT</b> 4.865	<b>CP5</b> 6.080	<b>CZG</b> 6.425	<b>DJE</b> 17.760	<b>GAA</b> 20.368	<b>GCU</b> 9.942
<b>CFA2</b> 4.465	<b>CGV</b> 1.596	<b>CT1AA</b> 9.600	<b>CZJ</b> 1.596	<b>DJG</b> 4.580	<b>GAS</b> 18.963	<b>GCW</b> 9.708
<b>CFA4</b> 10.550	<b>CGZ</b> 2.452	<b>CT1GO</b> 6.190	<b>CZO</b> 4.505	<b>DJM</b> 6.080	<b>GAU</b> 18.304	<b>GDB</b> 6.790
<b>CFC</b> 1.596	<b>CJD</b> 1.510	<b>CXQ</b> 5.405	<b>CZP</b> 4.505	<b>DJN</b> 9.540	<b>GAU</b> 18.611	<b>GDS</b> 4.320
<b>CFD</b> 5.660	<b>CJD</b> 1.540	<b>CMA</b> 8.630	<b>DAF</b> 8.464	<b>END</b> 19.519	<b>GAU</b> 18.200	<b>GDS</b> 6.905
<b>CFJ</b> 5.660	<b>CJK</b> 1.510	<b>CMA</b> 10.890	<b>DAF</b> 8.464	<b>END</b> 19.519	<b>GBA</b> 13.984	<b>GDW</b> 4.820
<b>CFL</b> 1.620	<b>CJRO</b> 6.150	<b>CMB</b> 6.790	<b>DAF</b> 12.394	<b>EDQ</b> 6.966	<b>GBB</b> 13.560	<b>GSA</b> 6.050
<b>CFU</b> 4.755	<b>CJRJX</b> 11.720	<b>CMB</b> 5.960	<b>DAF</b> 17.260	<b>EDQ</b> 6.966	<b>GBC</b> 4.975	<b>GSB</b> 9.510
<b>CFU</b> 5.660	<b>CJU</b> 3.070	<b>CMB-1</b> 9.600	<b>DAF</b> 17.512	<b>EDQ</b> 8.017	<b>GBD</b> 12.780	<b>GSC</b> 9.585
<b>CFU</b> 6.720	<b>CJU</b> 3.452	<b>CWD</b> 5.830	<b>DFA</b> 19.240	<b>EDQ</b> 9.862	<b>GBS</b> 17.080	<b>GSD</b> 11.750
<b>CFU</b> 13.200	<b>CJW</b> 2.414	<b>CZA</b> 2.980	<b>DGK</b> 6.675	<b>EDQ</b> 14.969	<b>GBT</b> 12.148	<b>GSE</b> 11.865
<b>CGA</b> 18.180	<b>CJZ</b> 2.452	<b>CZA</b> 4.785	<b>DGU</b> 9.609	<b>EDQ</b> 19.418	<b>GBU</b> 12.241	<b>GSF</b> 15.140
<b>CGA4</b> 9.332	<b>CNR</b> 8.035	<b>CZA</b> 6.285	<b>DHO</b> 20.028	<b>EDX</b> 19.519	<b>GBU</b> 22.291	<b>GSG</b> 17.790
<b>CGA7</b> 6.800	<b>CNR</b> 12.820	<b>CZA</b> 8.515	<b>DIQ</b> 10.285	<b>EHY</b> 20.849	<b>GBW</b> 14.450	<b>GSH</b> 21.470
<b>CGO</b> 4.505	<b>COG</b> 6.010	<b>CZA</b> 12.660	<b>DJA</b> 9.565	<b>FGT</b> 6.645	<b>GBX</b> 16.150	<b>HBL</b> 9.595
<b>CGP</b> 3.268	<b>COH</b> 9.428	<b>CZA</b> 17.310	<b>DJB</b> 15.200	<b>FTI</b> 9.840	<b>GCA</b> 9.702	<b>HBP</b> 7.797
<b>CGP</b> 5.405	<b>CPS</b> 9.120	<b>CZG</b> 1.712	<b>DJC</b> 6.020	<b>FTK</b> 15.863	<b>GCB</b> 9.273	<b>HC2ET</b> 4.600

HC2RL	6.659	KGHE	2.490	KIIL	3.190	OPFL	20.028	WHER	1.606	WPDE	2.442	WPHI	2.490
HIH	6.800	KGHG	2.474	KIIM	2.994	OPM	10.135	WHER	2.102	WPDF	2.442	WPHJ	2.490
HIL	6.518	KGHK	2.470	KIIN	3.190	ORK	10.330	WHIO	2.430	WPDG	2.458	WPHK	1.596
HIX	5.980	KGHM	2.474	KIIO	2.994	ORG	10.330	WIED	1.566	WPDH	2.442	WPHM	2.442
HI-1-A	6.380	KGHN	2.450	KIIP	3.190	ORG	19.182	WIEG	2.150	WPDI	2.430	WPHN	2.442
HI-1-A	6.240	KGHO	1.682	KIIO	2.994	OXY	9.520	WIEH	1.622	WPDJ	2.414	WPSP	1.682
HI4D	6.500	KGHP	2.466	KIIO	3.190	PCJ	15.220	WIEK	1.646	WPKD	2.450	WQC	17.860
HJA2	5.825	KGHR	2.490	KIIP	3.093	PCK	18.400	WIEK	2.190	WPDL	2.442	WQQ	15.040
HJA3	12.830	KGHS	2.458	KIIQ	2.150	PCV	17.830	WIEL	1.646	WPDN	2.430	WQI	17.880
HJB	14.930	KGHT	2.382	KIIT	3.265	PE2	6.445	WIEL	2.190	WPDN	2.382	WQL	14.815
HJN	6.080	KGHU	2.442	KIUI	3.385	PHI	11.725	WIEO	1.606	WPDO	2.458	WQN	5.263
HJP	7.465	KGHV	2.382	KIUI	3.265	PHI	17.775	WIEO	2.102	WPDP	2.474	WQN	5.825
HJY	18.444	KGHW	2.414	KIJK	3.265	PKIWK	6.057	WIEW	1.606	WPDR	2.422	WQO	6.725
HJ1ABB	6.447	KGHX	2.430	KIJN	3.190	PLE	18.820	WIEW	2.102	WPDS	2.430	WQP	13.984
HJ1ABG	6.042	KGHY	1.712	KIJO	2.994	PLV	9.410	WIEY	1.566	WPDT	2.490	WQQ	14.800
HJ2ABC	5.975	KGHZ	2.466	KIJP	3.093	PMB	20.606	WIEY	1.606	WPDU	1.712	WYQ	20.100
HJ3ABF	6.000	KGJX	1.712	KIJS	2.994	PMC	18.170	WIEY	2.102	WPDV	2.458	WRB	2.458
HJ3ABI	6.045	KGM	3.093	KIJV	2.994	PMN	10.250	WIXAL	15.250	WPDW	2.422	WRDQ	2.474
HJ4ABB	7.200	KGOZ	2.466	KIJW	3.265	PMY	5.143	WIXAL	21.460	WPDY	2.414	WRDR	2.414
HJ5ABD	6.490	KGPA	2.414	KIJX	3.265	PPQ	11.670	WIY	13.900	WPDY	2.414	WRDS	1.642
HKE	7.030	KGPB	2.430	KIJY	2.728	PPU	19.270	WJER	1.606	WPDZ	2.490	WTDV	4.295
HPC	10.290	KGPC	1.706	KIJZ	2.728	PRADO	6.620	WJER	2.102	WPEA	2.382	WTDW	4.295
HFF	14.545	KGPD	2.466	KILB	2.150	PRF5	9.505	WJIN	7.370	WPEB	2.442	WTDX	4.295
HFP5B	6.030	KGPE	2.422	KILU	1.622	PSA	21.069	WKA	21.060	WPEC	2.466	WVD	2.604
HSP	17.720	KGPF	2.414	KILY	2.994	PSF	14.682	WKC	10.520	WPED	1.712	WVD	5.995
HVJ	5.968	KGPG	2.422	KKH	7.520	PSK	8.180	WKC	13.465	WPEF	2.450	WXH	6.662
HVJ	15.120	KGPH	2.450	KKK	16.030	RAU	15.104	WKDT	1.630	WPEG	2.450	WYW	2.416
IAC	12.785	KGPI	2.466	KKQ	11.950	RIM	7.620	WKDU	1.706	WPEH	1.712	WIXAL	11.790
IAC	17.770	KGPJ	1.712	KKK	13.810	RKF	6.870	WKEM	1.622	WPEI	1.712	WIXAL	6.040
IRA	6.070	KGPK	2.466	KKZ	13.690	RKF	6.880	WKEM	2.150	WPEJ	1.712	WIXAZ	9.570
IRF	8.070	KGPL	1.712	KNFA	2.414	RKF	6.900	WKF	19.220	WPEK	2.430	W2XAD	15.340
IRM	9.823	KGPM	2.466	KNFE	2.382	RKF	9.750	WKJ	9.460	WPEL	1.666	W2XAF	9.530
IRO	9.630	KGPN	2.466	KNFF	2.422	RKI	7.565	WKL	21.410	WPEM	2.466	W2XE	6.120
IRW	19.506	KGPO	2.450	KNFG	2.490	RKI	15.040	WKL	8.940	WPEQ	1.570	W2XE	11.830
IS3	6.412	KGPP	2.442	KNFH	2.474	RKI	15.090	WKM	18.860	WPEP	2.450	W2XE	15.270
JDY	9.920	KGQP	1.712	KNFI	2.414	RNE	12.000	WKN	19.820	WPEP	2.442	W3XAL	6.100
JDZ	5.710	KGQR	1.712	KNFJ	1.712	RSZ	8.770	WKP	6.950	WPET	1.706	W3XAL	17.780
JIC	5.890	KGQS	2.414	KNFM	2.490	RV15	4.273	WKU	14.830	WPEV	1.666	W3XAU	6.060
JVB	18.190	KGQW	2.406	KNFN	1.682	RV59	5.996	WLA	18.350	WPEW	1.666	W3XAU	9.590
JVE	15.650	KGQX	2.442	KNIA	3.410	SUV	10.055	WLEB	1.646	WPFA	1.712	W3XL	6.425
JVF	15.620	KGQY	1.596	KNKY	3.410	SUZ	13.870	WLEX	2.150	WPFC	2.442	W3XL	17.310
JVH	14.600	KGQZ	2.450	KNKS	3.410	TGF	14.545	WLK	16.270	WPFD	2.430	W4XB	6.040
JVI	13.660	KGXU	2.994	KNLO	3.410	TGX	5.937	WMA	13.465	WPFE	2.442	W8XA	1.682
JVK	12.020	KGZA	2.414	KNRA	6.160	TIEP	6.710	WMDZ	2.442	WPFG	2.442	W8XAL	6.060
JVL	11.660	KGZB	1.712	KNRA	6.660	TIN	14.545	WMLF	1.666	WPFH	2.414	W8XK	6.140
JVM	10.760	KGZC	2.422	KNRA	6.670	TIR	7.685	WMLF	2.102	WPHI	2.414	W8XK	11.870
JVN	10.660	KGZD	2.490	KNRA	8.230	TIU	15.545	WMEP	2.930	WPHK	2.430	W8XK	15.210
JVO	10.375	KGZE	2.482	KNRA	8.820	TIXGP3	5.795	WMEP	6.615	WPFM	2.382	W8XK	17.780
JVP	7.470	KGZF	2.450	KNRA	8.840	VAC	1.510	WMES	2.550	WPFN	1.712	W8XK	21.540
JVQ	7.330	KGZG	2.466	KNRA	13.200	VAF	1.510	WMEU	2.930	WPFO	2.474	W9XAA	6.080
JVR	7.390	KGZH	2.382	KOU	2.566	VBY	1.540	WMEU	6.615	WFPF	2.490	W9XAA	17.780
JVS	6.990	KGZI	2.458	KOW	2.522	VE9BJ	6.090	WMEV	2.930	WPFQ	2.474	W9XBU	1.634
JVT	6.750	KGZJ	2.430	KQJ	18.020	VE9CS	6.070	WMEV	6.615	WPFQ	2.458	W9XF	6.100
JVU	5.790	KGZL	1.712	KSW	1.658	VE9DN	6.005	WMI	14.470	WPFQ	2.474	W9XF	6.425
JVV	5.730	KGZM	2.414	KSW	2.422	VE9DN	9.555	WMLJ	2.422	WPFQ	2.442	XAM	5.766
JYK	13.600	KGZN	2.414	KVP	1.712	VE9DR	6.005	WMN	14.590	WPFU	2.422	XAM	11.187
JYR	7.880	KGZO	2.414	KWN	21.060	VE9GW	6.095	WMO	2.414	WPFV	2.466	XGBD	9.580
JYS	9.440	KGZP	2.450	KWO	15.415	VE9HX	6.110	WMP	1.666	WPFW	2.466	XEBT	6.000
JZC	5.830	KGZQ	1.712	KWU	15.355	VK1	6.425	WNA	9.170	WPFY	2.442	XGL	18.690
JZJ	8.500	KGZR	2.442	KWV	10.840	VK3LR	9.580	WNC	15.055	WPFY	2.442	XGL	7.960
KAX	19.980	KGZT	1.674	KWX	7.610	VK2ME	9.585	WND	4.098	WPFZ	2.442	XGN	16.380
KAY	14.980	KGZU	2.490	KWY	7.565	VK3ME	9.503	WNEI	1.622	WPGA	2.466	XGO	7.575
KAZ	9.990	KGZV	1.712	KZGF	5.765	VLJ	9.750	WNEI	2.150	WPGB	2.466	XGOX	6.000
KDK	7.520	KGZW	2.414	KZGF	9.170	VLZ	7.960	WNFP	2.422	WPGC	2.458	XGOX	9.500
KEB	7.370	KGZX	2.458	KZGG	5.825	VO9	6.380	WOB	5.850	WPGD	2.458	XGOX	11.900
KEE	7.715	KGZY	2.414	KZGG	8.940	VUB	9.665	WOF	9.750	WPGG	1.596	XGOX	17.800
KEJ	9.010	KICI	3.093	KZGH	5.785	VWY	9.850	WOG	4.253	WPGH	2.414	XGVA	10.420
KEL	6.860	KIED	1.622	KZGN	9.490	VWZ	17.533	WOK	10.550	WPGI	2.430	YDA	6.120
KEQ	6.733	KIEF	2.150	LCL	6.990	YYP	1.596	WON	9.870	WPGJ	2.414	YNA	14.480
KES	10.400	KIEF	1.622	LQA	9.550	YVR	1.712	WEO	4.273	WPKK	2.466	YNF	6.950
KEZ	10.400	KIEF	2.150	LQA	9.600	WAD	8.930	WOD	4.753	WPKL	2.442	YVR	9.168
KFZ	6.650	KIEJ	2.994	LSG	119.895	WAW	13.500	WOD	8.560	WPKM	2.414	YVR	18.296
KFZ	6.666	KIEL	1.622	LSI	9.830	WCG	10.370	WOD	17.120	WPGN	2.480	VVQ	6.672
KFZ	6.670	KIEL	2.150	LSM	19.121	WCK	2.414	WOD	17.120	WPGP	2.490	VVQ	13.337
KFZ	8.820	KIFI	2.150	LSM	21.128	WDB	6.718	WOD	2.590	WPGQ	2.442	YVZRC	6.112
KFZ	8.840	KIFI	1.622	LSN	9.895	WDB	6.718	WOD	4.753	WPGQ	1.596	YV3RC	6.150
KFZ	13.185	KIFT	2.150	LSN	14.480	WDB	6.718	WOD	8.560	WPGS	2.490	YV4RC	6.375
KFZ	13.200	KIFT	2.150	LSN	21.020	WEA	10.610	WOD	17.120	WPGV	1.712	YV5RMO	5.850
KFZ	13.245	KIGA	1.606	LSR	11.958	WEC	8.930	WOD	17.120	WPGW	2.382	YV6RV	6.030
KFZ	13.260	KIGA	2.102	LSX	1.333	WED	16.630	WOD	3.423	WPGX	2.466	ZFA	5.925
KFZ	17.600	KIGP	3.190	LSY	21.820	WEJ	6.740	WOD	1.712	WPGY	2.474	ZFB	10.655
KFZ	17.620	KIGW	2.102	OAX4D	5.780	WEL	8.950	WOD	1.712	WPHA	2.466	ZFD	10.335
KGHA	2.490	KIHH	2.190	OAI	10.362	WEM	7.400	WOD	2.414	WPHB	2.422	ZFS	4.513
KGHB	2.490	KIHK	2.994	OAI	15.821	WES	9.448	WOD	1.712	WPHC	1.596	ZFR	7.390
KGHC	2.490	KIHK	3.190	OAI	18.670	WET	9.470	WOD	1.712	WPHD	1.634	ZS3	18.890
KGHD	2.490	KIHL	2.994	OER2	6.675	WEY	1.630	WDD	1.712	WPHF	2.450		

# RADIO IN INDEX

# The Radio Fan's Own Magazine

All-Wave

Non-Technical

Published Monthly excepting July and August

## Our Readers Write This Advertisement

"This is my fourth year with RADEX. I think I have at one time or another bought almost every radio magazine on the market, but RADEX is the best of them all."

K. S. Branch, 9 Florence St., Baldwin, N. Y.

"I have always found that RADEX has the most correct information, presents it sooner than any other magazine and in more attractive and usable form than any other magazine."

Thomas Quaid, Phillips University, Enid, Okla.

"I have been a radio fan since 1920. I have had several different radio magazines, but have yet to find one that comes up to RADEX."

J. L. Cooper, 1043 Sherburn St., Winnipeg, Man.

"When the news stands try to sell me some other radio magazine 'just as good as RADEX' they just waste their time."

Whitney Smith, 53 West End Ave., Pontiac, Mich.

"With its last minute tips, helpful hints, chats with radio artists, programs of the chain stations and the index of stations every month—RADEX is the perfect radio magazine."

Chas. Rife, 1330 Jefferson, Kansas City, Mo.

"I consider RADEX the best, by far, of any radio magazine that I have ever seen."

H. Harding-Jones, 2531 Rainbow Drive, Honolulu, T. H.

"I must congratulate you on having the best magazine of its kind on the market. I have read and used your RADEX for many years—ever since No. 25 of December, 1928."

Hilding Gustofson, 2228 Sixth St., Rockford, Ill.

"This RADEX is a great magazine and I would not be without it. It is the one and only to find any tips you would like to know."

Freddie Miller, 45 Elm Avenue, Rosedale, Toronto, Ont.

"I have been a steady RADEX reader for over two years and find that I just can't do without it. It has been a wonderful help to me in my radio reception."

Aaron Barinbaum, 2312 Colorado St., Houston, Texas.

"Without RADEX we would be absolutely lost down here. Nationals of all lands here swear by it. I have as yet seen no radio magazine that is even on the same street as the good old RADEX."

A. R. Angus, La Ceiba, Spanish Honduras.

"Your magazine is a KO. How I ever got along without RADEX is a mystery to me."

John Iles, 1645 Ortnodoz St., Philadelphia, Pa.

"We missed the September issue of RADEX and now we do not know how we ever got along without it. We have never found anything to compare with it for useful and concise information."

Mrs. L. W. Dansereau, P. O. Box 780, San Juan, Porto Rico.

"RADEX is indispensable in our home. It is the only magazine we have found which gives a reliable account of radio in all its branches."

Albert Sandham, 99 Page St., St. Catherines, Ont.

"My wife and I are rabid radio fans, but the only radio magazine we will have in the house is RADEX. It sure is one fine magazine and is so complete. It is a wonder where you get all the information."

B. R. Rohrbaugh, Thompson, Ohio.

"I am a constant reader of RADEX and I get more enjoyment out of it than any other radio magazine."

D. A. Chilton, P. O. Box 310, Draper, N. C.

If you do not find this unique, interesting, informative radio magazine on your newsstand, send 25c for a copy to

THE RADEX PRESS INC.

705 Hanna Building,

Cleveland, Ohio.