

FEBRUARY—MARCH—A

ONE
DIME

**DX
RADIO LOG
OF THE
WORLD**

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DX RADIO LOG of the WORLD

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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.

520 (576.6)

LKH .7 Hamar, Nor. (519)
OFH 13.2 Vilpuri, Fin. (527)
..... .5 Innsbruck, Aust. (519)
..... 5. Ljubljana, Yug. (527)

530 (565.7)

HIBZ 1. Bolzano, I. (536)
..... 16. Wilno, Pol. (536)

540 (555.2)

CJRM 1. Moose Jaw, Sask.
HAL 120. Budapest, Hun. (546)

550 (545.1)

CFNB .5 Fredericton, N. B.
KFUO .5 St. Louis, Mo.
KFYR 1. Bismark, N. D.
KOAC 1. Corvallis, Ore.
KSD .5 St. Louis, Mo.
KTSA 1. San Antonio, Tex.
RW34 10. Stalinrad, USSR. (554)
TISO .25 San Jose, C. R.
WDEV .5 Waterbury, Vt.
WGR 1. Buffalo, N. Y.
WKRC 1. Cincinnati, Ohio
WSVA .5 Staunton, Va.
..... 100. Beromunster, Sw. (556)

560 (535.4)

IIPA 4 Palermo, I. (565)
KFDM .5 Beaumont, Tex.
KLZ 1. Denver, Colo.
KTAB 1. San Francisco, Calif.
KWTO 1. Springfield, Mo.
RW41 1.2 Syktyvkar, USSR (563)
TGW 10. Guatemala City (565)
WFI .5 Philadelphia, Pa.
WIND 1. Gary, Ind.
WIS 1. Columbia, S. C.
WLIT .5 Philadelphia, Pa.
WQAM 1. Miami, Fla.
XEAO .25 Mexicali, B. C.
XLHB .06 Shanghai, Chn.
2CO 7.5 Corowa, Aust.
..... 60. Athlone, IFS (565)

570 (526)

CX2 Montevideo, Uri.
KGKO .25 Wichita Falls, Tex.
KMTR .5 Hollywood, Calif.
KVI 1. Tacoma, Wash.
MTCY 1. Hsinking, Manch.
WKBN .5 Youngstown, Ohio
WMCA .5 New York, N. Y.
WNAX 1. Yankton, S. D.
WOSU .75 Columbus, Ohio
WSYR .25 Syracuse, N. Y.
WWNC 1. Asheville, N. C.

2YA 5. Wellington, N. Z.
..... 100. Stuttgart, G. (574)
..... 10. Magnitogorsk, U.S.R.
(571)

580 (516.9)

CE58 1. Santiago Chl. (585)
CHRC .1 Quebec, Que.
CKCL .1 Toronto, Ont.
CKUA .5 Edmonton, Alta.
KMJ .5 Fresno, Calif.
KSAC .5 Manhattan, Kans.
RW35 10. Astrakhan, USSR (589)
RW38 1.2 Alexandrovsk, U.S.R.
WCHS .5 Charleston, W. Va.
WBBO .25 Orlando, Fla.
WIBW 1. Topeka, Kans.
WTAG .5 Worcester, Mass.
XQHA 1. Shanghai, Ch
YLZ 15. Riga, Lat (583)
ZLZ 1. Hobart, Aust.
..... 20. Lisbon, Por. (620)
..... 15. Grenoble, F. (583)

590 (508.2)

JOAK2 10. Tokyo, Jap.
KHQ 1. Spokane, Wash.
LS10 3.5 Buenos Aires, Arg.
RW42 10. Gorki, U. S. R. (598)
WEEI 1. Boston, Mass.
WKZO 1. Kalamazoo, Mich.

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

600 (499.7) []

CFCF .5 Montreal, Que.
CJOR .5 Vancouver, B. C.
CNR 6.5 Rabat, Mor. (601)
CRCW .5 Windsor, Ont.
FQN .25 St. Pierre, Mig. (609)
ILFI 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.
WMT 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. Oufa, 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. Irbou, Por. (629)
JOTK 5. Matsuy, 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.
4ZP 5. Invercargill, N. Z.
No. 1 15. Brussels, Belg.
..... 1.2 Trondelag, Nor. (629)
..... 20. Cairo, Egypt
..... 20. Jerusalem, Pal.

630 (475.9) []

CFGY 1. Charlottesville, P.E.I.
CJGX .5 Yorkton, Sask.
CKOV .5 Kelowna, B. C.
CMBY .25 Havana, Cuba (635)
JODD 3. Hamamatsu, Jap. (635)
KFRU .5 Columbia, Mo.
KGFX 2. Pierre, S. D.
LS3 4.5 Buenos Aires, Arg.
OKP 120. Prago, Cz. (638)
RW28 7. Vladivost'k, USSR (636)
RW84 1.2 Oust-Abrahomsk,
U.S.R. (635)
RW85 2. Igarika, 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) []

KJOU .3 Akita, J. (645)
FOFI 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 Saffilo, 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. (656)
JQAK .5 Dalren, Mneh. (652)
RW46 10. Karaganda, USSR (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, USSR. (662)
WAAF .5 Omaha, Neb.
WEAF 50. New York, N. Y.
XGOA 75. Nanking, Chn
2FC 3.5 Sydney, Aust. (665)

670 (447.5) []

CMB 1. Kw'gch'w., Chn. (677)
JFAK 10. Taihoku, For.
LS4 6. Buenos Aires, Arg.
MOHB 1. Harbin, Mneh. (674)
MTFY 1. Harbin, Mneh. (674)
EW32 2. Ellsta, U.S.R. (671)
RW23 1.2 Grozny, U.S.R. (676)
WMAQ 50. Chicago, Ill.
WYRV 3. Valencia, Venez. (675)
..... 25. Botten, 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.
RON .5 San Salvador, E. S.
RW27 4. Makhatch, USSR (689)
RW46 1.2 Karaganda, USSR.
(686.5)
RW71 1.2 Petropavlovsk, USSR.
(689)
RW74 1.2 Tocheboksarv, U.S.R.
VAS 2.5 Glace Bay, N. S. (685)
YOWR .5 St. John's, Nf. (681)
XGOK 1. Canton, Chn. (682)
WTFE 1. Raleigh, N. C.
..... 2.5 Belgrade, Yug. (686)
..... 1.5 Salisbury, SAI (681.8)

690 (434.5) []

CFRB 10. Toronto, Ont.
CJXC .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)
JOKK .5 Okayama, J.
SBA 66. Stockholm, Swe. (704)
VPB 1.75 Colombo, Cey. (705)
WLW 500. Cincinnati, Ohio
XMHC 5. Shanghai, Chn.

710 (422.3) []

IRO 50. Rome, I. (713)
JOKK 3. Kanazawa, J
KMPC .5 Beverly Hills, Cal.
KPCB .25 Seattle, Wash.
LS1 5. Buenos Aires, Arg
TIFB .03 San Jose, C. R. (714)
WOR 5. Newark, N. J.
XEN 1. Mex. City, D. F.
XGML .0075 Kashlag, Chn (714.3)

720 (416.4) []

CMK 3.15 Havana, Cuba (725)
JFRK 1. Tainan, For.
JORK .5 Kochi, J.
KZEG 1. Manila, P. I.
RW9 36. Kiev, USSR. (722)
RW28 10. Viavivos, USSR. (725)
RW73 10. Simferopol, USSR. (725)
WGN 56. Chicago, Ill.
XLJC .015 Shanghai, Chn.
XLHD .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.
CMAC 5. Montreal, Que.
CX10 1. Montevideo, Uru.
EAJ2 3. Madrid, Sp. (731)
EAJ5 1.5 Sevilla, Sp. (731)
JOJK 1. Kokura, J. (735)
LV1 .65 San Juan, Ark.
RW65 1. Saransk, U.S.R. (734)
XERC 5. Agua Caliente, B.C.
XGOV .5 Yunnan, Chn. (731.7)
XGEB .05 Wu-chow, Chn.
6CL 2. Adelaide, Ausl.
..... 20. Tallin, Est. (731)

740 (405.2) []

CE74 1. Santiago, Chl. (745)
KMMJ 1. Clay Center, Neb.
KTRB .25 Modesto, Cal.
OFD .5 Port, Fin. (749)
RW51 1.2 Nalibek, USSR. (748.1)
WHEB .25 Portsmouth, N. H.
WSB 56. Atlanta, Ga.
XHHB .05 Shanghai, Chn.
..... 100. Munich, G
..... 1.6 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 T'ung Hsien, Chu.
OAX 5. Lima, Peru
PRA2 1.5 Rio de Janeiro, Bra.
PRA5 .1 Sao Paulo, Brz.
PRA8 5. Recife, Bra.
RW64 10. Urdjonkize, U. S. R.
(752)
WJR 10. Detroit, Mich.
XEAM .65 Nuevo Laredo, 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.
LT4 .2 Mendoza, Arg.
MR 25. Davenport, G. B. (787)
WBAL 10. Baltimore, Md.
WEW 1. St. Louis, Mo.
WJZ 50. New York, N. Y.
XLHI .0075 Shanghai, Chn.
XLIJ .05 Shanghai, Chn.
4QQ 2.5 Brisbane, Ausl.

770 (389.4)

CMBS .15 Havana, Cuba (775)
CX12 1. Montevideo, Uru.
JOBK 10. Sendai, J.
KFAB 5. Lincoln, Neb.
LKF .7 Frederikstad, N. (776)
RW26 10. Stalino, U.S.R. (776)
VUM .2 Madras, In.
WBBM 25. Chicago, Ill.
IZH .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
XHHC .05 Shanghai, Chn.
..... 120. Lelapsig, G. (785)

790 (379.5)

CMJK .15 Camaguey, 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)
L02 .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.
XLHK .0075 Shanghai, Chn.
XLHL .03 Shanghai, Chn.
ZTR .5 Bloemfontaine, S. Af.
(806.6)
3LO 3.5 Melbourne, Ausl.
..... 20. Salonica, Gr. (804)

810 (370.2)

CX14 5. Montevideo, Uru.
ESGC 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.
RW08 .2 Tchelabinsk, 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.
ZZH .065 Napier, N. Z.
..... 12. Bucharest, Ru. (823)

830 (361.2)

CMC .5 Havana, Cuba (835)
JOIK 10. Sapporo, J.
KOA 50. Denver, Colo.
LR5 10. 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 (836)
WEEU 1. Reading, Pa.
WHDH 1. Boston, Mass.
WRUF 5. Gainesville, Fla.
XGF .0075 Tsi-nan, Ch. (833.3)

840 (356.9)

CFQC 1. Saskatoon, Sask.
CMG 5000 Havana, Cuba
CRCT 5. Toronto, Ont.
F31CD 12. Saigon, Indo.
LKI 10. Finmark, 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)
ZYC .2 Wellington, N. Z.
..... 100. Berlin, G. (841)

850 (352.7)

CX18 2.5 Montevideo, Uru.
EAJ3 1.5 Valoneia, Sp.
HSP1 2.5 Bangkoka, Siam (857)
JOPK 10. Hiroshima, J.
KIEV .25 Glendale, Cal.
LEA .35 Asiesund, Nor.
LEB 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 4. Nairobi, Ken. (858)
VUB 3. Bombay, In. (855)
WWL 10. New Orleans, La.
WWPA .25 Clarion, Pa.
X06T .5 Tainan, 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)

JOAK1 10. Tokyo, J.
LR 50. London, G. B. (877)
LH6 2.1 Buenos Aires, Arg.
WENR 50. Chicago, Ill.
WLS 50. Chicago, Ill.
YNCRG .15 Granada, Nic.

880 (340.7)

CE88 1. Valparaiso, Chl. (885)
CFJC .1 Kamloops, B. C.
CRCO 1. Ottawa, Ont.
HJ3ABD 05 Bogota, Col. (881)
H87PJ . Bangkok, Siam (882)
KFKA .5 Greeley, Colo.
KLX .5 Oakland, Cal.
KPOF .5 Denver, Colo.
LV2 .5 Cordoba, Arg.
PRB2 25. Curitiba, Brz. (882)
RW61 1. Iochar-Ola, USR. (883)
VUL .1 Lahore, In. (882)
WCOC .5 Meridian, Miss.
WGBI .5 Scranton, Pa.
WPHR .5 Petersburg, Va.
WQAN .25 Scranton, Pa.
WSUI .5 Iowa City, Iowa
XHHV .1 Shanghai, Chn.
YV2RC .1 Caracas, Venz. (882)
ZP0 . 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.
KFNH .5 Shenandoah, Ia.
KUSD .5 Vermillion, S. D.
MTBY 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 .03 Hobart, Ausl.
..... 5. Limoges, F. (895)

900 (333.1)

CE90 1. Santiago, Chl. (905)
CMX 1. Havana, Cuba (905)
HJ3ABB .05 Bogota, Co. (909)
JODK1 10. Keljo, Co.
KGA 1. Spokane, Wash.
KGBU .5 Ketchikan, Alas.
KHJ 1. Los Angeles, Cal.
KSEI .25 Pocatello, Idaho
LV0 .5 Salta, Arg.
WBEN 1. Buffalo, N. Y.
WJAX 1. Jacksonville, Fla.
WKY 1. Oklahoma City, Okla.
WBLB 2.5 Stevens Pt., Wis.
WMFI .5 New Haven, Conn.
XHHI .1 Shanghai, Chn.
ZILY 2. Hoten, Mnch.
Z2P .105 Walroa, N. Z.
3MA .05 Mildura, Ausl.
..... 100. Hamburg, G. (904)

910 (329.6)

CJAT .25 Trall, B. C.
CNIHW .1 Cienfuegos, Cuba
CRCM 5. Montreal, Que.

LR2 8.5 Buenos Aires, Arg.
 RW30 10. Dnepropetrovsk, U.S.R. (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 Terapeo, Chl.
HHK 1. Port-au-Prince, Haiti
JOQK .5 Nilgata, J.
KFEL .5 Denver, Colo.
KOMO 1. Seattle, Wash.
KPRC 1. Houston, Tex.
KVOD .5 Denver, Colo.
OKB 32. 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 Mexico, L. C.
XHHX 1. Shanghai, Chn.

930 (322.4)

CFAC .1 Calgary, Alta.
CFCH .1 North Bay, Ont.
CFLC .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. Janelro, Brz. (934)
PRD2 1. Sao Paulo, Brz. (935)
WBRC 1. Birmingham, Ala.
WDBJ 1. Roanoke, Va.
SUZ .6 Melbourne, Ausl.
No. 2 15. Brussels, Belg. (932)

940 (319)

CE94 1. Santiago, Chl. (045)
CMKM 1. Manzanillo, Cuba
JONK .5 Nagano, J.
KOIN 1. Portland, Ore.
VOA5 .1 St. Johns, Nfld.
WAAT .5 Jersey City, N. J.
WAVE 1. Louisville, Ky.
WCSH 1. Portland, Maine
WDAY 1. Fargo, N. D.
WHA 2.5 Madison, Wis.
8BB 10. Goteborg, Swe. (941)
XEFO 5. Mexico City (XFD)
XHHE .1 Shanghai, Chn.
3ZR .3 Greymouth, N. Z.
5RM 5. Ronmark, Ausl.
 12. Aigiers Alg. (941)

950 (315.6)

CMCD .5 Havana, Cuba (955)
CMHD .25 Colbarien, Cuba
CRCS .1 Chicoutimi, Que.
KFWB 1. Hollywood, Cal.
KMBC 1. Kansas City, Mo.
LR3 12. Buenos Aires, Arg.
PF 100. Paris, F. (959)
RW40 1.2 Gomel, U.S.R. (959)
RW65 1. Engels, U.S.R. (959)
VONF 5. St. John's Nfld.
WRC .5 Washington, D. C.

XGGW .1 Wel-hel-wel, 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, U.S.R. (969)
RW69 10. Odessa U.S.R. (968)
XEAW 10. Reynosa, Tams.
XIHF .1 Shanghai, Chn.
YVIRC 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. Hangchow, C. (977.5)
XLCH .05 Wushu, 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. Fukui, J.
LR4 12. Buenos Aires, Arg.
PEBI 20. Hilversum, Hol. (995)
TITV .0075 San Jose, C. R. (998)
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)
HJ4ABC 05. Pereira, Col.
H73ABH 1. Bogota, Col.
KFVD .25 Los Angeles, Cal.
OKR 13.5 Bratislava, Cz. (1004)
PRB4 1. Santos, Brz.
PRB8 .05 Mogi 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.
WVCF .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 60. Manctr., G. B. (1013)
PRB9 .5 Sao Paulo, Brz. (1017)
RW86 5. Tchernigov, U.S.R. (1013)
TIGA .03 Cartago, C.R. (1014)
WHN 1. New York, N. Y.
WNAD .5 Norman, Okla.
WNOX 1. Knoxville, Tenn.
XEU .25 Veracruz, Ver.
3HA .3 Hamilton, Ausl.

1020 (293.9)

CE102 .1 Santiago, Chl. (1025)
EAJ16 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 16. Calgary, Alta.
CKLW 5. Windsor, Ont.
CMBC .15 Havana, Cuba (1037)
CMHI .15 Santa Clara, Cuba
CMKC .15 Santiago, Cuba (1034)
CTIGL 5. Paredo, Par. (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 .025 Matanzas, Cuba
KRLD 10. Dallas, Tex.
KWJJ .5 Portland, Ore.
RW70 10. Leningrad, U.S.R.
WKAH 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.
11BA 20. Bari, I. (1059)
KFBI 5. Abilene, Kans.
KNX 50. Hollywood, Cal.
RW33 10. Krasnodar, U.S.R.
8N 50. Falkirk, G. B.
ZCA .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 (1045)
KTH5 10. Hot Springs, Ark.
LT9 .6 Rosario, Arg.
RW67 4. Tiraspol, U.S.R. (1068)
WBAL 10. Baltimore, Md.
WJAG 1. Norfolk, Neb.
XEA .125 Guadalupe, Jal.
3YB .025 Melbourne, Ausl.
4MB .05 Maryborough, Ausl.

1070(280.2)

CE107 .1 Santiago, Chl. (1075)
KJBS .1 San Francisco, Cal.
 LR1 .5 Buenos Aires, Arg.
WCAZ .1 Carthage, Ill.
WDZ .1 Tuscola, Ill.
WTAM 50. Cleveland, Ohio
 XGOE 1. Kwangsi, Chn.
 NKRI .0075 Canton, Chn. (1071)
 2KY 1. Sydney, Ausl.
 12. Bordeaux, F. (1077)

1080(277.6)

JOBK2 10. Osaka, J. (1085)
 LT3 3.5 Rosario, Arg.
 PRA9 1. Rio de Janeiro, Bra.
 BCC 2. Falun, Swe. (1086)
WBT 50. Charlotte, N. C.
WCBD 5. Waukegan, Ill.
WMBI 5. Chicago, Ill.
XEMA .05 Tampico, Tams.
 XHHJ .03 Shanghai, Chn.
 38H .05 Swan Hill, Ausl.
 7. Zagreb, Yu. (1086)

1090(275.1)

CE109 .1 Valparaiso, Chl.
 CN28 3. Montevideo, Uru.
CMGI .03 Colon, Cuba (1094)
 EAJ7 10. Madrid, Sp. (1095)
KMOX 50. St. Louis, Mo.
 PRC7 25. Belo Horizonte, Bra.
 PRC2 .5 Porto Alegre, Bra.
 RW75 10. Vinnitsa, U.S.R. (1095)
WESG 1. Elmira, N. Y.
 XGOB 25. Lo-Yang, Chn.
 1ZB 2. Auckland, N. Z.
 6AM .5 Northam, Ausl.

1100(272.6)

CE110 .1 Santiago, Chl. (1105)
CMCY .5 Havana, Cuba
CMHA .5 Sagua la Grande, Cu. (1103)
CRCV 1. Vancouver, B. C.
 IINA 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 .1 Caracas, Venz.
 7LA 3. Launceston, Ausl.
 60. Madona, Lat. (1104)

1110(270.1)

CE111 .1 Osorno, Chl. (1115)
K500 1. Sioux Falls, S. D.
 LS5 4.5 Buenos Aires, Arg.
 OKK 11.2 Moravska, Cz. (1113)
 PRB5 .05 Sao Paulo, Bra.
WRVA 5. Richmond, Va.
 2HD .5 Newcastle, Ausl.

1120(267.7)

CHLP .1 Montreal, Que.
CHSJ .1 St. John, N.B.
CKOC .5 Hamilton, Ont.
CKX .5 Brandon, Man.
CMCG .5 Havana, Cuba (1125)
CMHJ .04 Cienfuegos, Cuba (1125)
 HAE 6.2 Nyrtyghasa, Hun. (1122)
KFIO .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.
 ZUW .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.
WGV 1. New York, N. Y.
 XGOC .5 Nan-chang, Chn.
 ZPI 1. Asunolon, Par. (1136)
 6ML 3. Perth, Ausl. (1135)

1140(263)

CE114 .1 Santiago, Chl. (1145)
 CW30 .1 Tucarembu, Uru.
 ITO 7. Turin, I.
KVOO 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)

CE115 .1 Talca, Chl. (1155)
CMBC .225 Havana, Cuba
CMJH .05 Ciego de Avila, Cuba
 HC2ET 3. Guyaquil, Ec. (1153)
 LR8 5. Buenos Aires, Arg.
 PRA7 .05 Riberiao Preto, Bra. (1153)
WHAM 50. Rochester, N. Y.
XEH .25 Monterrey, N. L.
YEWZ .1 Mexico City, D. F.
 YV7BMO .5 Maracaibo, Venz. (1153)

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

1160(258.5)

WOWO 10. Ft. Wayne, Ind.
WWVA 5. Wheeling, W. Va.
XED .5 Guadalajara, Jal.
XEFL 5. Tijuana, B. C.
 XHHU .1 Shanghai, Chn.
 15. Mte. Coneri, Sw. (1107)

1170(256.3)

CE117 .25 Valparaiso, Chl.
CMJE .05 Camaguey, C. (1175)
COA .5 Havana, Cuba (1175)
 JOCK2 10. Nagoya, J. (1175)
 PRC9 .02 Campinas, Bra.
WCAU 50. Philadelphia, Pa.
 XHKT .015 Wush, Chn.
 2ZD .008 Masterton, NZ.
 4TO 2. Townsville, Aus.
 10. Cophgen., Den. (1175)

1180(254.1)

CW32 .25 Salto, 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, Ausl.

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 Pelpling, Chn. (1194)
 4MK .1 Mackay, Ausl.
 17. Frankfurt, G. (1195)
 5. Freiburg, G. (1195)
 1.6 Kaiserslautern (1195)
 2. Trier, G. (1196)
 1.5 Cassel, G. (1195)

1200(249.9)

CE120 .1 Curico, Chl. (1205)
CHAB .1 Moosa Jaw, Sask.
CKTB .1 St. Catharines, Ont.
CMCJ .4 Havana, Cuba
KADA .1 Ada, Okla.
 HJ3ABE .05 Bogota, Col.
KBTM .1 Jonesboro, Ark.
KFJB .1 Marshalltown, Ia.
KFXD .1 Nampa, Ida.
KFXJ .1 Grand Jct., Colo.
KGDE .1 Fergus Falls, Minn.
KGEK .1 Sterling, Colo.
KGJF .1 Los Angeles, Cal.
KGHI .1 Little Rock, Ark.
KGVO .1 Missoula, Mont.
KMLB .1 Monron, 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.
WBNO .1 New Orleans, La.
WCAT .1 Rapid City, S. D.
WCAX .1 Burlington, Vt.
WCLO .1 Janesville, Wis.
WFAM .1 South Bend, Ind.
WFBE .1 Cincinnati, Ohio
WHBC .1 Canton, Ohio
WHBY .1 Green Bay, Wis.
WIBX .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.
WKJC .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, Vnz.
 3YL .5 Christchurch, N. Z.
 5KA .3 Adelaide Ausl.
10-AK .015 Stratford, Ont.
10-BP .025 Wingham Ont.
10-BU .05 Candora, Sask.
 No. 2 5. Prague, Ca. (1204)

1210(247.8)

CE121 .1 Vina del Mar, Chl.
CHNC .1 New Carlisle, Que.
CHBI .1 Prince Albert, Sask.
CKCH .1 Hull, Que.
CKMC .05 Cobalt, Ont.

CMJI .15 Cse. de Avla., Cu.
CX34 .6 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.
KPPC .05 Pasadena, Cal.
KWEA .1 Shreveport, La.
KWVY .1 Hilo, Hawaii
KWTN .1 Water town, 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.
WGCM .1 Gulfport, Miss.
WCNY .1 Chester, N. Y.
WHBF .1 Rock Island, Ill.
WHBU .1 Anderson, Ind.
WIBU .1 Poyntote, Wis.
WJBY .1 Gadsden, Ala.
WJEL .1 Hagerstown, Md.
WJIM .1 Lansing, Mich.
WJW .1 Akron, Ohio
WKOK .1 Sunbury, Pa.
WMSC .1 Richmond, Va.
WMFG .1 Hibbing, Minn.
WOCL .05 Jamestown, N. Y.
WOMT .1 Manitowish, Wis.
WPAX .1 Thomasville, Ga.
WSBG .1 Chicago, Ill.
WSIX .1 Springfield, Tenn.
WSOC .1 Charlotte, N. C.
WTAX .1 Springfield, Ill.
XEE .05 Durango, Dgo.
XEFV .1 Puez, Chih.
XETH .1 Pueblo, Pus.
XLTC .015 Wash. Chn.
2CH 1. Sydney, Austl.
 6. Lille, F. (1213)

1220(245.8)

CE122 .25 Santiago, Chl. (1225)
CHHK .05 Cruces, Cuba (1225)
CTIRP . . . Oporto, Por.
CW34 .25 Salto, Uru.
HTR 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.
2CF .05 Drafon, Ausl.
4ZL .1 Dunedin, N. Z.
6KG 1. Katgoolie, Ausl.

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.
L88 2. Buenos Aires, Arg.
WFBM 1. Indianapolis, Ind.
WNAC 1. Boston, Mass.
XEFJ 1. Monterrey, N. L.
NLKB .0075 Tientsin, Chn.
 6. Gielwitz, 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, Ausl. (1245)
2ZL .05 Nastings, N. Z.
6CK 1. Cork, I. F. B.
 2. Nice, F. (1249)

1250(239.9)

CE125 .1 Valparaiso, Chl.
CMCU .15 Havana, Cuba (1255)
CPX 6. La Paz, Bol.
CX36 .25 Montevideo, Uru.
EAJ8 3. Sa. Sebastian, Sp. (1258)
HC2JB .03 Guyaquil, Ec.
KFOX 1. Long Beach, Cal.
MARS .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 Wash. 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.
KUGA .1 Fayetteville, Ark.
KVOA .5 Tucson, Ariz.
WLBW 1. Dayton, O.
WNBX .5 Springfield, Vt.
WTOC .1 Savannah, Ga.
XHHF .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. Decorah, Ia.
KOL 1. Seattle, Wn.
KVOR 1. Colo. Springs, Colo.
KWLC 1. Decorah, Ia.
LKX .5 Christiansand, Nor. (1276)
LKS .5 Stavanger, Nor. (1276)
LS9 6. Buenos Aires, Arg.
TUA .6 Tunis, Tun. (1276)
WASH .5 Grand Rapids, Mich.
WBR .5 Baltimore, Md.
WJDX 1. Jackson, Miss.
WOOD .5 Grand Rapids, Mich.
XDYF .15 Wu-hu, Chn.
XFB 1. Jalapa, Ver.
ZPA .15 Asuncion, Par. (1275)
2SM 1. Sydney, Ausl.

1280(234.2)

CE128 .5 Temuco, 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. Madisonaoga, Tenn.
WIBA .5 Chattanooga, Tenn.
WJBC .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 Cromwell, N. Z.
 1. Aberdeen, G. B. (1285)
 1.5 Dresden, G. (1286)

1290(232.4)

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

1300(230.6)

CE130 .1 Santiago, Chl. (1305)
CMJK .02 Guantanamo, 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.
PRCA .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 Bailarat, Ausl.
3ZE .05 Groymouth, N. Z.
 5. Danzig, Dan. (1303)

1310(228.9)

CE131 .1 Santiago, Chl. (1315)
CHCK .05 Charlottetown, P.E.I.
CJKL .1 Kirkland Lake, Ont.
CJLS .1 Yarmouth, N. S.
KCKV .05 Quebec, Que.
KCRJ .1 Jerome, Ariz.
KFBK 1. Sacramento, Cal.
KFPL 1. Dublin, Tex.
KFFM .015 Greenville, Tex.
KFXR 1. Oklahoma City
KFYO 1. Lubbock, Tex.
KGCX 1. Wolf Point, Mont.
KGEZ 1. Kailipell, Mont.
KGFW 1. Kearney, Neb.
KIT 1. Yakima, Wn.
KIUJ 1. Santa Fe, N. M.
KMED 1. Medford, Ore.
KRMD 1. Shreveport, La.
KTSM 1. El Paso, Tex.
KXRO 1. Aberdeen, Wn.
LS7 3. Buenos Aires, Arg.
SBC 1.25 Maimo, Swe. (1312)
SCK .25 Karlstad, Swe. (1312)

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

WAML 1 Laurel, Miss.
 WBEO 1 Marquette, Mich.
 WBOW 1 Terra 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 Altona, Pa.
 WFDW 1 Flint, Mich.
 WGFH 1 Newport News, Va.
 WHAT 1 Philadelphia, Pa.
 WJAC 1 Johnstown, Pa.
 WLBC .05 Muncie, Ind.
 WLNH 1 Laconia, N. H.
 WMBO 1 Auburn, N. Y.
 WMFF 1 Plattsburg, N. Y.
 WNBH 1 New Bedford, Mass.
 WOL 1 Washington, D. C.
 WRAW 1 Reading, Pa.
 WROL 1 Knoxville, Tenn.
 WSAJ 1 Grove City, Pa.
 WSGN 1 Birmingham, Ala.
 WSJS 1 Winston-Salem, N. C.
 WTFL 1 Philadelphia, Pa.
 WTJS 1 Jackson, Tenn.
 WTRC .05 Elkhart, Ind.
 XEC .05 Tijuana, B. C.
 XECW .01 Mexico City
 XEFC 1 Merida, Yuc.
 XEPW .25 Tampico, Tams.
 XETB .125 Torreon, Coah.
 XEX .125 Monterrey, N. L.
 XLWT .05 Wushu, Chn.
 1ZJ .05 Auckland, N. Z.
 6AD .3 Adelaide, Ausl.

1320(227.1)

CEI32 1 Rancagua, Chl. (1325)
 CMCK 1 Havana, Cuba
 CMOX 2 Havana, Cuba (1325)
 CW30 .075 Florida, Uru.
 KGHF .5 Pueblo, Colo.
 KGMB .25 Honolulu, T. H.
 KIO .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, Ausl.
 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 1 Houston, Tex.
 WDRC 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, Ausl.
 5. Montpellier, F. (1339)
 1.5 Bremen, G.
 1.5 Hanover, G.
 1.5 Magdeburg, G.
 1.5 Stettin, G.
 1.5 Flensburg, G.
 1.7 Lodz, Pol. (1339)

1340(223.7)

CW40 .08 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)
 2XX .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, Ek. (1348)

1350(222.4)

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

1360(220.4)

CMJP .075 Moran, Cuba
 CMKF .03 Holguin, Cuba (1363)
 CW41 .05 San Jose, Uru.
 KGER 1 Long Beach, Cal.
 KGIR 1 Butte, Mont.
 PRC5 .1 Belem, Brz.
 PRC6 1 R' Janeiro, Brs. (1364)
 WCSC .5 Charleston, S. C.
 WFBL 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, Ausl.
 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 Salem, 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.
 WCL 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 Radmo, Wis.
 WSVS .05 Buffalo, N. Y.
 XEFE 1 Nuevo Laredo, Tams.
 XEFZ 1 Mexico City, D. F.
 XEI .125 Morelia, Mch.
 XEZZ 1 San Luis Potos
 XHHA .05 Hangchow, Chu.
 3HS .05 Horsham, Ausl.
 5. Basle, Swi. (1375)
 5. Berne, Swi. (1375)

1380(217.3)

CEI38 1 Santiago, Chl. (1385)
 CMJC .15 Camaguey, Cu. (1382)
 CTIDR . . . Lisbon, Por. (1386)
 CW42 .02 Artigas, Uru.
 KOH .5 Reno, Nev.
 KQV .5 Pittsburgh, Pa.
 LTS .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.
 XLIF .06 Shanghai, Chn.
 4BH .5 Brisbane, Ausl.
 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, Ausl.
 5. Radio-Lyons, F. (1398)

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.
 WBBC .5 Brooklyn, N. Y.
 WKBF .5 Indianapolis, Ind.
 WLTH .5 Brooklyn, N. Y.
 WVFW .5 Brooklyn, N. Y.
 XGSL .01 Sang Lum, Chn (1401)
 2ZO 1. Palmerston, N. Z.
 3GL .05 Geelong, Ausl.
 Swedish Common Wave (1402)
 See SC in Index by Calls

1410(212.6)

CEI41	.1	Concepcion, Chi.
CKFC	.05	Vancouver, B. C.
CKMO	.1	Vancouver, B. C.
CTIDH	.01	Dishon, Por. (1411)
CX44	2	Montevideo, Uru.
KGRS	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.
WRBK	.25	Roanoke, Va.
WROK	.5	Rockford, Ill.
WWSA	.5	Montgomery, Ala.
ZKO	.5	Newcastle, Aust.(1415)

1420(211.1)

CEI42	.1	Santiago, Chi. (1425)
CKGB	.1	Timmins, Ont.
CKNC	.1	Toronto, Ont.
CMBX	.15	Havana, Cuba (1425)
CW44	1	Paysandu, Uru.
KABC	.1	San Antonio, Tex.
KBP5	.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	Haxleton, 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.
WLBF	.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	.0	Melbourne, Austl.

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

1430(209.7)

CE143	.1	Magallanes, Chi.
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HA22	1.25	Magyarovar, Hun. (1438)
HA23	1.25	Miskole Hun. (1438)
KECA	1.	Los Angeles, Calif.
KGNF	.5	No. Platte, Neb.
KWCR	.25	Cedar Rapids, Iowa
LP9	1.5	La Plata, Arg.
RW10	100.	Minsk, U.S.R. (1438)
WBNS	.5	Columbus, Ohio
WHEC	.5	Rochester, N. Y.
WHP	.5	Harrisburg, Pa.
WNSR	.5	Memphis, Tenn.
WOKO	.5	Albany, N. Y.
ZWL	.05	Wollongong, Austl. (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.
WBCA	.25	Allentown, Pa.
WMBD	.5	Peoria, Ill.
WSAN	.25	Allentown, Pa.
WTAD	.5	Quincy, Ill.
XLIHQ	.03	Shanghai, Chn.

1450(206.8)

CEI45	.1	Hanagaa, Chi.
CFCT	.075	Victoria, B. C.
CHGS	.05	Summerside, PEI
CX46	1	Montevideo, Uru.
KTES	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.
4ZW	.05	Dunedin, N. Z.
5MU	.05	Murray Bridge, Austl.
.....	10.	Normandie, F. (1456)

1460(205.4)

CEI46	.6	Santiago, Chi. (1465)
CW46	.03	Tucumanbo, Uru.
HA24	1.5	Peer, Hun. (1465)
KSTP	18.	St. Paul, Minn.
ON4EB	1	Antwerp, Belg. (1465)
WJW	10.	Washington, D. C.
XGZZ	.01	Changchow, Chn.
XQHE	.25	Shanghai, Chn.
ZP5	.15	Astington, Par. (1465)
7UV	.3	Ulverstone, Austl.
.....	1.5	Dresden, G. (1465)
.....	.1	Courtrai, Belg. (1465)

1470 (204)

WLAC	5.	Nashville, Tenn.
6IX	.3	Perth, Austl.
.....	.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.
ZAY	.05	Albury, Austl.

1490(201.2)

CX48	1.5	Montevideo, Uru.
ON4CE	1	Chatelaineau, Blg. (1492)
WCKY	5.	Covington, Ky.
XLKS	.02	Kashing, Chn.
No. 1	.1	Wallonia, Belg (1492)
.....	1	Blueho, Blg. (1492)
.....	.2	Nimes, F. (1492)
.....	.0	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
EAJ50	.25	Los Palmas, Sp.
KDB	.1	Santa Barbara, Calif.
KGFI	.1	Corpus Christi, Tex.
KGFK	.1	Moorhead, Minn.
KGHB	.1	Taylor, Texas
KGNY	.1	Scottsbluff, Neb.
KNOW	.1	Austin, Tex.
KOTN	.1	Pine Bluff, Ark.
KPJM	.1	Prescott, Ariz.
KPK	.1	Wenatchee, Wash.
KREG	.1	Santa Ana, Calif.
KXO	.1	El Centro, Calif.
WCNW	.1	Brocklyn, N. Y.
WDNC	.1	Durham, N. C.
WGAL	.1	Lancaster, Pa.
WHFE	.1	Kosciusko, Miss.
WHBK	.1	Detroit, Mich.
WKBW	.1	E. Dubuque, Ill.
WKBB	.1	Richmond, Ind.
WKEZ	.1	Muskegon, Mich.
WKEU	.1	LaGrange, Ga.
WMBQ	.1	Brocklyn, N. Y.
WMEX	.1	Boston, Mass.
WNBF	.1	Binghamton, N. Y.
WOPI	.1	Bristol, Tenn.
WRDW	.1	Augusta, Ga.
WRGA	.1	Rome, Ga.
WRYB	.1	Rutland, Vt.
WWRL	.1	Woodside, N. Y.
WWSW	.1	Pittsburgh, Pa.
XOCL	.0075	Tsnaun, Chn
3AK	.05	Melbourne, Austl
.....	.2	Pietersaari, 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	Karlshrusa, Swe.
WIXBS	1.	Waterbury, Conn.
W9XBY	1.	Kansas City, Mo.

1550(193.4)

W2XR	1.	Long Island City, N. Y.
W6XAI	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

ALABAMA			Long Beach			Storrs			Pocatello		
Birmingham			KFOX 1250	1000		WCAC 600	500		KSEI 900	250	
WAPI 1140	5000		KGER 1360	1000		Waterbury			Twin Falls		
WBRC 930	1000		Los Angeles			WATR 1190	100		KTFI 1240	500	
WSGN 1310	100		KECA 1430	1000		WIXBS 1530	1000		ILLINOIS		
Dothan			KFAC 1300	1000		DELAWARE			Bloomington		
WAGF 1370	100		KFI 640	50000		Wilmington			WJBC 1200	100	
Gadsden			KFSG 1120	500		WDEL 1120	250		Carthage		
WJBY 1210	100		KFVD 1000	250		WILM 1420	100		WCAZ 1070	100	
Huntsville			KGJF 1200	100		DISTRICT OF COLUMBIA			Chicago		
WBHS 1200	100		KHJ 900	1000		Washington			WAAF 920	500	
Mobile			KRKD 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			FLORIDA			WENR 870	50000	
WNRA 1420	100		KLS 1440	250		Clearwater			WGES 1360	500	
ALASKA			KLX 880	1000		WFLA 620	1000		WGN 720	50000	
Anchorage			KROW 930	1000		Daytona Beach			WJJD 1130	20000	
KFOD 780	250		Pasadena			WDFJ 1420	100		WLS 870	50000	
Katchikan			KPPC 1210	50		Gainesville			WMAO 670	50000	
KGBU 900	500		Sacramento			WRUF 830	5000		WMBI 1080	5000	
ARIZONA			KFBK 1310	100		Jacksonville			WSBC 1210	100	
Jerome			San Bernardino			WJAX 900	1000		CLICAR		
KCRJ 1310	100		KFXM 1210	100		WMBR 1370	100		WFHS 1420	100	
Lowell			San Diego			MIAMI			WHFC 1420	100	
KSUN 1200	100		KFSD 600	1000		WIOD 1300	1000		WKBI 1420	100	
Phoenix			KGB 1330	1000		WQAM 560	1000		Decatur		
KOY 1390	500		San Francisco			WDBO 580	250		WJBL 1200	100	
KTAR 620	1000		KFRC 610	1000		Pensacola			East Dubuque		
Prescott			KGGC 1420	100		WCOA 1340	500		WKBB 1500	100	
KPJM 1500	100		KGO 790	7500		St. Petersburg			Harrisburg		
Tucson			KJBS 1070	500		WSUN 620	1000		WEBQ 1210	100	
KGAR 1370	100		KPO 680	50000		Tampa			Joliet		
KVOA 1260	500		KTAB 560	1000		WDAE 1220	1000		WCLS 1310	100	
Yuma			KYA 1230	1000		GEORGIA			Peoria		
KUMA 1420	100		San Jose			Albany			WMBD 1440	500	
ARKANSAS			KQW 1010	1000		WGPC 1420	100		Quincy		
Blytheville			Santa Ana			WTFI 1450	500		WTAD 1440	500	
KLCN 1290	100		KREG 1500	100		Atlanta			Rockford		
Fayetteville			Santa Barbara			WGST 890	500		WROK 1410	500	
KUOA 1260	1000		KDB 1500	100		WJTL 1370	100		Rock Island		
Fort Smith			Stockton			WSB 740	50000		WIBF 1210	100	
KFPW 1210	100		KGDM 1100	250		AUGUSTA			Springfield		
Hot Springs			KWG 1200	100		WRDW 1500	100		WGBS 1210	100	
KTIS 1060	10000		COLORADO			Columbus			WTAX 1210	100	
Jonesboro			Atamosa			WRBL 1200	100		Tuscola		
KBTM 1200	100		KGIW 1420	100		LaGrange			WDZ 1070	100	
Little Rock			Colorado Springs			WKEU 1500	100		Urbana		
KARK 890	250		KVOR 1270	1000		Macon			WILL 890	250	
KGHI 1200	100		Denver			WMAZ 1180	1000		Zion		
KLRA 1390	1000		KFEL 920	500		Roma			WCBD 1080	5000	
Pine Bluff			KLZ 560	1000		WRGA 1500	100		INDIANA		
KOTN 1500	100		KOA 830	50000		Savannah			Anderson		
Texaskana			KPOF 880	500		WTOC 1260	1000		WHBU 1210	100	
KCMC 1420	100		KVOD 920	500		Thomasville			Elkhart		
CALIFORNIA			Grand Junction			WPAX 1210	100		WTRC 1310	50	
Bakersfield			KFXJ 1200	100		HAWAII			Evansville		
KERN 1370	100		Greeley			Hilo			WGBF 630	500	
W6XA1 1550	1000		KFKA 880	500		KWFV 1210	100		Fort Wayne		
Berkeley			KIDW 1420	100		Honolulu			WGL 1370	100	
KRE 1370	100		Pueblo			KGMB 1320	250		WOWO 1160	10000	
Beverly Hills			KGHF 1320	500		KGU 750	2500		Gary		
KMPC 710	500		Stirling			IDAHO			WIND 560	1000	
Burbank			KGEK 1200	100		Boise			Hammond		
KELW 780	500		CONNECTICUT			KIDO 1350	1000		WWAE 1200	100	
El Centro			Bridgeport			Idaho Falls			Indianapolis		
KXO 1500	100		WICC 600	500		KID 1320	250		WFBM 1230	1000	
Eureka			Hartford			Lewiston			WKBF 1400	500	
KIEM 1210	100		WDRG 1330	1000		.....	1420	100	Muncie		
Fresno			WTIC 1040	50000		Nampa			WLBC 1310	100	
KMJ 580	500		New Britain			KFXD 1200	100		Richmond		
Glendale			WMFE 1380	250		INDIANA			WKBV 1500	100	
KIEV 850	250		New Haven			Boise			South Bend		
Hollywood			WMFI 900	500		Idaho Falls			WFAM 1200	100	
KFWB 950	1000					Idaho Falls			WSBT 1360	500	
KMTR 570	1000					Lewiston			Terre Haute		
KNX 1050	50000					.....	1420	100	WBOW 1310	100	

West Lafayette		
WBAA	890	500
IOWA		
Ames		
WOI	640	5000
Boone		
KFGQ	1370	100
Cedar Rapids		
KWCR	1430	250
Council Bluffs		
KOIL	1260	1000
Davenport		
WOC	1370	100
Decorah		
KGCA	1270	100
KWLC	1270	100
Des Moines		
KSO	1320	500
WHO	1000	50000
Iowa City		
WSUI	880	500
Marshalltown		
KFJB	1200	100
Shenandoah		
KFNF	890	500
KMA	930	1000
St. Louis City		
KSCJ	1330	1000
Waterloo		
WMT	600	1000
KANSAS		
Abilene		
KFBI	1050	5000
Coffeyville		
KGGF	1010	1000
Dodge City		
KGNO	1340	250
Kansas City		
WLBF	1420	100
Lawrence		
KFKU	1220	1000
WREN	1220	1000
Manhattan		
KSAC	580	500
Topeka		
WIBW	580	1000
Wichita		
KFH	1300	1000
KENTUCKY		
Covington		
WCKY	1490	5000
Lexington		
WLAP	1420	100
Louisville		
WAVE	940	1000
WHAS	820	50000
Paducah		
WPAD	1420	100
LOUISIANA		
Baton Rouge		
WJBO	1420	100
Monroe		
KMLB	1200	100
New Orleans		
WBNO	1200	100
WDSU	1250	1000
WJBW	1200	100
WSMB	1320	500
WWL	850	10000
Shreveport		
KRMD	1310	100
KTBS	1450	1000
KWEA	1210	100
KWKH	1100	10000
MAINE		
Augusta		
WRDO	1370	100
Bangor		
WABI	1200	100
WLBZ	620	500

Portland		
WCSH	940	1000
Presque Isle		
WAGM	1420	100
MARYLAND		
Baltimore		
WBAL	1069	10000
WCAO	600	500
WCBM	1370	100
WFBR	1270	500
Cumberland		
WTBO	800	100
Hagerstown		
WJEJ	1210	100
MASSACHUSETTS		
Babson Park		
WBSO	920	500
Boston		
WAAB	1410	500
WBZ	990	50000
WEEL	590	1000
WHDH	830	1000
WMEX	1500	100
WMFH	1120	500
WNAC	1230	1000
Fall River		
WSAR	1450	250
Lowell		
WLLH	1370	100
New Bedford		
WNBH	1310	100
Springfield		
WBZA	990	1000
WMAS	1420	100
Worcester		
WORC	1280	500
WTAG	580	500
MICHIGAN		
Battle Creek		
WELL	1420	50
Bay City		
WBCM	1410	500
Calumet		
WHDF	1370	100
Detroit		
WJBK	1500	100
WJR	750	10000
WMBC	1420	100
WWJ	920	1000
WXYZ	1240	1000
East Lansing		
WKAR	1040	1000
Flint		
WFDF	1310	100
Grand Rapids		
WASH	1270	500
WOOD	1270	500
Ironwood		
WJMS	1420	100
Jackson		
WIBM	1370	100
Kalamazoo		
WKZO	590	1000
Lansing		
WJIM	1210	100
Lapeer		
WMPC	1200	100
Marquette		
WBEO	1310	100
Muskegon		
WKBZ	1500	100
Royal Oak		
WEXL	1310	50
MINNESOTA		
Fergus Falls		
KCDE	1200	100
Hibbing		
WMFG	1210	100
Minneapolis		
WCCO	810	50000
WDGY	1180	1000
WLB	1250	1000
WTCN	1250	1000

Moorhead		
KGFK	1500	100
Northfield		
WCAL	1250	2500
St. Paul		
KSTP	1460	10000
MISSISSIPPI		
Gulfport		
WGCM	1210	100
Hattiesburg		
WPPF	1370	100
Jackson		
WJDX	1270	1000
Kosciusko		
WHEF	1500	100
Laurel		
WAML	1310	100
Meridian		
WCOC	880	500
Vicksburg		
WQBC	1360	500
MISSOURI		
Cape Girardeau		
KFVS	1210	100
Columbia		
KFRU	630	500
Jefferson City		
WOS	630	500
Joplin		
WMBH	1420	100
Kansas City		
KMBC	950	1000
KWKC	1370	100
WDAF	610	1000
WHB	860	500
W9XBY	1530	1000
St. Joseph		
KFEQ	680	2500
St. Louis		
KFUO	550	500
KMOX	1090	50000
KSD	550	500
KWK	1350	1000
WEW	760	1000
WIL	1200	100
Springfield		
KGBX	1230	500
KWTO	560	1000
MONTANA		
Billings		
KGHL	780	1000
Butte		
KGIR	1360	1000
Great Falls		
KFBF	1280	1000
Kallispell		
KGEZ	1310	100
Missoula		
KGVO	1200	100
Wolf Point		
KGCC	1310	100
NEBRASKA		
Clay Center		
KMMJ	740	1000
Kearney		
KGFW	1310	100
Lincoln		
KFAB	770	500
KFOR	1210	100
Norfolk		
WJAG	1060	1000
North Platte		
KGNF	1430	500
Omaha		
WAAW	660	500
WOW	590	1000
Scottsbluff		
KGKY	1500	100
York		
KGBZ	930	500

NEVADA		
Las Vegas		
KGIX	1420	100
Reno		
KOH	1380	500
NEW HAMPSHIRE		
Laconia		
WLNH	1310	100
Manchester		
WFEA	1340	500
Portsmouth		
WIEB	740	250
NEW JERSEY		
Abury Park		
WCAP	1280	500
Atlantic City		
WPG	1100	5000
Camden		
WCAM	1280	500
Jersey City		
WAAT	940	500
WHOM	1450	250
Newark		
WHBI	1250	250
WNEW	1250	1000
WOR	710	5000
Red Bank		
WBRB	1210	100
Trenton		
WTNJ	1280	500
Zarephath		
WAWZ	1350	250
NEW MEXICO		
Albuquerque		
KGGM	1230	250
KOB	1180	10000
Clovis		
KICA	1370	100
Roswell		
KGFL	1370	100
Santa Fe		
KIUI	1310	100
NEW YORK		
Albany		
WABY	1370	100
WOKO	1430	500
Auburn		
WMBR	1310	100
Binghamton		
WBBF	1500	100
Brooklyn		
WARD	1400	500
WBBC	1400	500
WBRR	1300	1000
WCNW	1500	100
WLTH	1400	500
WMBQ	1500	100
WVFW	1400	500
Buffalo		
WBEN	900	1000
WEBR	1310	500
WGR	550	1000
WKBW	1480	5000
WSVS	1370	50
Canton		
WCAD	1220	500
Chester		
WGNV	1210	100
Elmira		
WESG	1090	1000
Fresport		
WGBB	1210	100
Jamestown		
WOCL	1210	50
Long Island City		
W2XR	1550	1000
New York		
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	WDOD	1280
WFAB	1300	1000	Dayton			WCAU	1170	Jackson	
WHN	1010	1000	WLBW	1260	1000	WDAS	1370	WTJS	1310
WINS	1180	1000	WSMK	1380	200	WFI	560	Knoxville	
WJZ	760	50000	Mount Orab			WHAT	1310	WNOX	1010
WLWL	1100	5000	WHBD	1370	100	WIP	610	WROL	1310
WMCA	570	500	Toledo			WLIT	560	Memphis	
WNYC	810	500	WSPD	1340	1000	WPEN	920	WHBO	1370
WOV	1130	1000	Youngstown			WRAX	920	WMC	780
Olean			WKBN	570	500	WTEL	1310	WNBR	1430
WHDL	1420	100	Zanesville			Pittsburgh		WREC	600
Plattsburg			WALR	1210	100	KDKA	980	Nashville	
WMFF	1310	100				KOV	1380	WLAC	1470
Rochester			OKLAHOMA			WCAE	1220	WSM	650
WHAM	1150	50000	Ada			WJAS	1290	Springfield	
WHEC	1430	500	KADA	1200	100	WWSW	1500	WSIX	1210
Saranac Lake			Elk City			Reading		TEXAS	
WNBZ	1290	50	KASA	1210	100	WEEU	830	Amarillo	
Schenectady			Enid			WRAW	1310	KGRS	1410
WGY	790	50000	KCRC	1370	100	Scranton		WDAG	1410
Syracuse			Norman			WGBI	880	Austin	
WFBL	1360	1000	WNAD	1010	500	WOAN	880	KNOW	1500
WSYR	570	250	Oklahoma City			Sunbury		Beaumont	
Troy			KFAR	1310	100	WKOK	1210	KFDM	560
WHAZ	1300	500	KGFG	1370	100	Washington		College Station	
Utica			KOMA	1480	5000	WNBO	1200	WTAW	1120
WIBX	1200	100	WKY	900	1000	Wilkes-Barre		Corpus Christi	
White Plains			Penca City			WRAX	1210	KGFI	1500
WFAS	1210	100	WBBZ	1200	100	WBRE	1310	Dallas	
Woodside			Shawnee			Williamsport		KRLD	1040
WWRL	1500	100	KGFF	1420	100	WRAK	1370	WFAA	800
NORTH CAROLINA			Tulsa			York		WRR	1280
Asheville			KTUL	1400	250	WORK	1000	Dublin	
WWNC	570	1000	KVOO	1140	25000	PHILIPPINES		KEPL	1310
Charlotte			OREGON			Manila		El Paso	
WBT	1080	50000	Corvallis			KZEG	720	KTSM	1310
WSOC	1210	100	KOAC	550	1000	KZRM	618.5	WDAH	1310
Durham			Eugene			PORTO RICO		Fort Worth	
WDNC	1500	100	KORE	1420	100	San Juan		KFJZ	1370
Greensboro			Klamath Falls			WKAQ	1240	KTAT	1240
WBIG	1440	500	KFJI	1210	100	WNEL	1290	WBAP	800
Raleigh			Marshfield			RHODE ISLAND		Galveston	
WPTF	680	5000	KOOS	1200	250	Providence		KLUF	1370
Rocky Mount			Medford			WEAN	780	Greenville	
WEED	1420	100	KMEI	1310	100	WJAR	890	KFPM	1310
Wilmington			Portland			WPRO	630	Houston	
WMFD	1370	100	KALE	1300	500	SOUTH CAROLINA		KPRC	920
Winston-Salem			KBPS	1420	100	Charleston		KTRH	1330
WSJS	1310	100	KEX	1180	5000	WCSC	1360	KXYZ	1440
NORTH DAKOTA			KFJR	1390	1000	Columbia		Longview	
Bismarck			KGW	620	1000	WIS	560	KFRO	1370
KFYR	550	1000	KOIN	940	1000	Greenville		Lubbock	
Devils Lake			KWJJ	1040	500	WFBC	1300	KFYO	1310
KDLR	1210	100	KXL	1420	100	Spartanburg		Port Arthur	
Fargo			Salem			WSPA	920	KPAC	1260
WDAY	940	1000	KSLM	1370	100	WWC	1420	San Angelo	
Grand Forks			PENNSYLVANIA			WVC	1420	KGKL	1370
KFJM	1370	100	Allentown			SOUTH DAKOTA		San Antonio	
Mandan			WCBA	1440	500	Aberdeen		KABC	1420
KCCU	1240	250	WSAN	1448	500	KABR	1420	KMAC	1370
Minot			Altoona			Brookings		KONO	1370
KLPM	1240	250	WFBG	1310	100	KFDY	780	KRTSA	550
OHIO			Clarion			Huron		WOAI	1190
Akron			WWPA	850	250	KGDY	1340	Tyler	
WADC	1320	1000	Glenside			Pierre		KGKB	1500
WJW	1210	100	WIBG	970	100	KGFX	630	Waco	
Canton			Greensburg			Rapid City		Weslaco	
WHBC	1200	100	WHJB	620	250	WCAT	1200	KRGV	1260
Cincinnati			Grove City			Sioux Falls		Wichita Falls	
WFBE	1200	100	WSAJ	1310	100	KSOO	1110	KGKO	570
WKRC	550	1000	Harrisburg			Vermillion		UTAH	
WLW	700	500,000	WHP	1430	500	KUSD	890	Ogden	
WSAI	1330	1000	WKBO	1200	100	Watertown		KLO	1400
Cleveland			Hazleton			KWTN	1210	Salt Lake City	
WGAR	1450	500	WAZL	1420	100	Yankton		KDYL	1290
WHK	1390	1000	Johnstown			WNAX	570	KSL	1130
WJAY	610	500	WJAC	1310	100	TENNESSEE		Burlington	
WTAM	1070	50000	Lancaster			Bristol		WCAX	1200
Columbus			WGAL	1500	100	WOPI	1500		
WAIU	640	500	WKJC	1200	100				
WBNS	1430	500							

Rutland
WSYB 1500 100
St. Albans
WQDM 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
WBFL 1210 100
WMBG 1210 100
WRVA 1110 5000
Roanoke
WDRJ 930 1000
WRBX 1410 250
Staunton
WSVA 550 500

WASHINGTON

Aberdeen
KKRO 1310 100
Bellingham
KYOS 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
WCHS 580 500
Fairmont
WMMN 890 250
Huntington
WSAZ 1190 1000
Wheeling
WVVA 1160 5000

WISCONSIN

Eau Claire
WTAQ 1330 1000
Fond du Lac
KFIZ 1420 100

Green Bay
WHBY 1200 100
Janesville
WCLO 1200 100
LaCrosse
WKBH 1380 1000
Madison
WHA 940 2500
WIBA 1280 1000
Manitowoc
WOMT 1210 100
Miwaukeee
WISN 1120 250
WTMJ 620 1600
Peynette
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
CFCN 1030 10000
GJGJ 690 100
Edmonton
CFRN 1260 100
CJCA 730 500
CKUA 580 500
Lethbridge
CJOC 1230 100

BRITISH COLUMBIA

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

MANITOBA

Brandon
GKX 1120 500
Winnipeg
CJRC 1390 100
CKY 960 15000

NEW BRUNSWICK

Fredericton
CFNB 550 500
Moncton
CKCW 1370 100
St. John
CHSJ 1210 100

NOVA SCOTIA

Glace Bay
VAS 685 2000
Halifax
CHNS 930 500
Sydney
CJCB 1240 1000
Wellville
CKIC 1010 50

Yarmouth
CJLS 1310 100

ONTARIO

Brantford
CKPC 930 100
Chatham
CFCO 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
CRCO 880 1000
Prescott
CFCL 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
CRCT 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
CHCK 1310 50
Summerside
CHGS 1450 50

QUEBEC

Chisoutimil
CRCS 950 100
Hull
CKCH 1210 100
Montmagny
VE9EK 1185 10
Montreal
CFCF 600 500
CHLP 1120 100
CKAC 730 5000
CRCM 910 5000
New Carlisle
CHNC 1210 100
Quebec
CHRC 580 100
CKCY 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
VOGY 840 400
VONF 950 5000
VOWR 681 500

MIQUELON

St. Pierre
FQN 609 250

CENTRAL AMERICA

COSTA RICA

Cartago
TIFS 1441 7.5
TIGA 1014 30
San Jose
TIGR 912 75
TIEA 833 7.5
TIEP 1450 7.5
TIFB 714 30
TIGP 800 75
TIRCA 1100 500
TISO 550 250
TITY 999 7.5
TIVL 835 30
TIXA 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
XEPF 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
Torreon
XETB 1310 125
D. F.
Mexico City
XEAJ 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

DURANGO

Durango		
XEE	1210	50

GUANAJUATO

Leon		
XEAZ	1420	100
XEKL	1240	500

JALISCO

Guadalajara		
XEA	1060	125
XED	1160	500

MICHOACAN

Moravia		
XEI	1370	125

NUEVO LEON

Monterrey		
XEFB	1420	100
XEFJ	1230	100
XEH	1150	250
XET	690	500
XEX	1310	125

PUEBLA

Puebla		
XETH	1210	100

SAN LUIS POTOSI

San Luis Potosi		
XEZZ	1370	100

SONORA

Nogales		
XEAF	1080	250

TAMAULIPAS

Nuevo Laredo		
XEAM	750	50
XEFE	1370	100
XENT	910	60000
Reynosa		
XEAW	950	10000
Tampico		
XEFW	1310	250
XEMA	1080	50
XES	970	250

VERACRUZ

Jalapa		
XFH	1270	250
Orizaba		
XFD	1340	250
Veracruz		
XEU	1010	250

YUCATAN

Merida		
XEFC	1310	100
XEZ	630	500

WEST INDIES

CUBA

Calbarion		
CMHD	950	500
Camaguey		
CMJC	1382	150
CMJE	1170	50
CMJF	930	200
CMJG	1050	50
CMJK	790	150
CMJL	960	50

Cardenas		
CMGE	1375	30
Ciego de Avila		
CMJH	1150	50
CMJI	1210	150
CMJO	1010	50
Cienfuegos		
CMHJ	1125	40
CMHW	910	100
Colon		
CMGI	1094	30
Cruces		
CMHK	1225	50
Guantanamo		
CMKJ	1300	20

Havana		
CMAF	680	1000
CMBC	1035	150
CMBD	1350	150
CMBG	1150	225
CMBS	775	150
CMBS	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
CMCW	755	150
CMCX	865	150
CMCY	1100	500

Cardenas		
CMK	725	3150
GMOK	1220	250
GMOX	1325	200
GMO	840	5000
GMW	930	1400
GMX	905	1000
GOA	1175	500

Holguin		
CMKF	1363	30
Manzanillo		
CMKM	940	100
Matanzas		
CMGF	971.5	100
CMGH	1040	15
Moron		
CMJP	1360	75

Sagua la Grande		
CMHA	1103	50
San Spiritus		
CMHB	1245	30
Santa Clara		
CMHI	1037	250
Santiago		
CMKC	1034	150

DOMINICAN REPUBLIC		
San Pedro de Macoris		
HHH	1395	15
Santo Domingo		
HJJ	1195	15
HHX	1270	1000
HIZ	1300	10

HAITI		
Port-au-Prince		
HHK	920	1000

SOUTH AMERICA		
ARGENTINA		
Bahia Blanca		
LU2	800	500
LU7	1280	5000

Buenos Aires		
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

Cordoba		
LV2	880	500
LV3	620	2000
La Plata		
LP9	1430	1500
Mar del Plata		
LU6	1380	50
Mendoza		
LT4	760	200
LV10	860	500

Resistencia		
LT5	1380	500
Rosario		
LT1	780	5000
LT3	1080	3500
LT8	840	350
LT9	1060	600

Salta		
LV9	900	500
San Juan		
LV1	730	650
LV5	1120	700
Santa Fe		
LT10	1300	200
Tucuman		
LV7	820	500

BOLIVIA		
La Paz		
CPX	1250	5000
CP4	1040	10000

BRAZIL		
Amparo		
PRC4	1304	50
Bahia		
PRA4	857	50
Bolem		
PRC5	1360	100
Bello Horizonte		
PRC7	1090	250
Campinas		
PRC9	1170	20
Curitiba		
PRB2	882	250
Juiz de Fora		
PRB3	857	250
Negoy das Cruzes		
PRB8	1000	50
Pelotas		
PRC3	920	250
Porto Alegre		
PRC2	1090	500
Recife		
PRA8	750	500
Riberirao Preto		
PRA7	1153	50

Rio de Janeiro		
PRA2	750	1500
PRA3	934	2500
PRA9	1080	1040
PRB7	833	500
PRC6	1364	1000

Santos		
PRB4	1000	1000
Sao Paulo		
PRA5	750	100
PRA6	857	1000
PRB5	1310	50
PRB9	1017	500
PRD2	935	1000

CHILE

Concepcion		
CEI24	1245	100
CEI41	1410	100
Curico		
CEI20	1205	100
Magallanes		
CEI04	1040	100
CEI43	1430	100
Osorno		
CEI11	1115	100
CEI33	1335	100
Rancagua		
CEI32	1325	100
CEI39	1390	100
CEI45	1450	100

Santiago		
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

Taica		
CE115	1155	100
Temuco		
GE92	920	100
GE128	1280	500
Vaidivia		
CE103	1035	100

Vaiparaiso		
CE76	760	10000
CE81	805	100
CE88	885	100
CE109	1090	105
CE117	1170	250
CE125	1250	100
Vina del Mar		
CE121	1210	100

COLOMBIA		
Bogota		
HJN	681	1000
HJ3ABB	909	50
HJ3ABD	881	50
HJ3ABE	1200	50
HJ3ABH	1000	1000
Peroira		
HJ4ABC	1000	50

ECUADOR		
Guyaquil		
HC2ET	1153	300
HC2JB	1250	30

PARAGUAY		
Asuncion		
ZP1	1135	1000
ZP3	1000	300
ZP4	1275	150
ZP5	1465	150
ZP9	887	....

PERU		
Lima	750	5000
OAX		
URUGUAY		
Artigas		
CW42	1380	20
Canclones		
CW47	1480	100
Florida		
CW39	1320	75
Melo		
CW43	1400	20
Montivideo		
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
Paysandu		
CW40	1340	30
CW44	1420	100
Salto		
CW32	1180	250
CW34	1220	250
CW36	1260	30
CW38	1300	30
San Jose		
CW41	1360	50
Tacuarembó		
CW30	1140	
CW46	1460	30
VENEZUELA		
Caracas		
YVIRC	960	5000
YV2RC	882	100
YV3RC	1200	1000
YV4RC	1100	
Maracaibo		
YV17BMO	1153	500
Valencia		
YV6RV	675	3000
EUROPE		
AUSTRIA		
Dornbirn		
.....	1294	500
Graz		
.....	886	7000
Innsbruck		
.....	519	500
Klagenfurt		
.....	1294	4200
Linz		
.....	1294	500
Salzburg		
.....	1348	500
Vienna		
.....	592	120000
BELGIUM		
Antwerp		
ON4EB	1465	100
Binche		
.....	1492	100

Brussels		
No. 1	620	15000
No. 2	932	15000
Chattellneau		
ON4CE	1492	100
Courtrai		
.....	1465	100
Liège		
ON4RW	1500	100
Radio Comte		
.....	1500	100
Seraing		
.....	1500	100
Verviers		
No. 1	1500	100
No. 2	1500	100
Walteria		
No. 1	1492	100
No. 2	1500	100
BULGARIA		
Sofia		
.....	850	1000
CZECHOSLOVAKIA		
Bratislava		
OKR	1004	13500
Brno		
OKB	922	32000
Kostice		
.....	1158	2600
Maravska		
OKK	1113	11200
Praha		
OKP	638	120000
No. 2	1204	5000
DANZIG		
Danzig		
.....	1303	500
DENMARK		
Copenhagen		
.....	1175	10000
ESTONIA		
Tallinn		
.....	731	20000
FINLAND		
Helsinki		
OFA	895	10000
Pietarsaari		
.....	1500	200
Porj		
OFD	749	500
Tampere		
OFE	1420	1200
Turku		
.....	1492	600
Vilpuri		
OFH	527	13200
FRANCE		
Agen		
.....	968	1500
Beziere		
.....	1429	1500
Bordeaux		
.....	1077	12000
.....	1348	1000
Grenoble		
.....	583	15000
Lille		
.....	1213	5000
Ltmozes		
.....	895	500
Lyons		
YN	648	15000
RL	1393	5000
Marselles		
.....	749	1600
Montpellier		
.....	1339	5000
Nice		
.....	1249	2000
Nimes		
.....	1492	200

Paris		
FPTT	695	7000
F8GC	810	1200
LL	1424	800
PP	959	100000
Radio-Normandie		
.....	1456	10000
Radio-Vitus		
.....	1348	2000
Rennes		
.....	1040	2500
Strasbourg		
SPTT	859	40000
Toulouse		
.....	776	700
.....	913	60000
GERMANY		
Augsburg		
.....	1267	2000
Berlin		
.....	841	100000
Bremen		
.....	1330	1500
Brosiau		
.....	950	60000
Cassel		
.....	1195	1500
Cologne		
.....	658	17000
Dresden		
.....	1285	250
Flensburg		
.....	1330	1500
Frankfurt		
.....	1195	17000
Freiburg		
.....	1195	5000
Gleiwitz		
.....	1231	5000
Hamburg		
.....	904	100000
Hanover		
.....	1330	1500
Kaiserlautern		
.....	1195	1500
Konigsberg		
.....	1031	60000
.....	1348	500
Leipzig		
.....	785	120000
Magdeburg		
.....	1330	1500
Munich		
.....	740	100000
Nurnberg		
.....	1267	2000
Seetin		
.....	1330	1500
Stuttgart		
.....	574	100000
Trier		
.....	1195	2000
GREAT BRITAIN		
Aberdeen		
.....	1285	1000
Bournemouth		
.....	1474	1000
Cardiff		
WR	977	50000
WN	1149	50000
Daventry		
MR	767	25000
Falkirk		
SN	1050	50000
SR	804	50000
London		
LN	1149	50000
LR	877	50000
Manchester		
NN	1013	50000
NR	668	50000

Newcastle		
.....	1429	1000
Plymouth		
.....	1474	300
GREECE		
Salonika		
.....	804	20000
HOLLAND		
Hilversum		
PFBI	995	20000
HUNGARY		
Budapest		
HAL	546	120000
No. 2	1321	800
Magyarovar		
HAE-2	1438	1250
Miskolc		
HAE-3	1438	1250
Nyregyhaza		
HAE	1122	6200
Pecs		
HAE-4	1465	1250
IRELAND		
Athlone		
.....	565	60000
Belfast		
.....	1122	1000
Cork		
6CK	1240	1000
Dublin		
2RN	1348	200
ITALY		
Bari		
IIBA	1059	20000
Bolzano		
IBZ	536	1000
Firenze		
IFI	609	20000
Genoa		
IIG	986	10000
Milan		
IMI	814	50000
No. 2	1348	4000
Naples		
IINA	1104	1500
Palermo		
IIPA	565	4000
Rome		
IIRO	713	50000
No. 3	1258	1000
Trieste		
IITR	1222	10000
Turin		
IITO	1140	7000
No. 2	1357	200
LATVIA		
Madonna		
.....	1104	50000
Riga		
YLZ	583	15000
NORWAY		
Alesund		
LKA	850	350
Bergen		
LKB	850	1000
Bodo		
LKD	850	500
Finnmark		
LKI	845	10000
Fredrikstad		
LKF	776	700
Hamar		
LKH	519	700
Kristiansand		
LKK	1276	500
Notodden		
LKN	1357	80
Oslo		
LKO	1131	60000

Tainan		Harbin		Brisbane		Sydney	
JFBK 720	1800	MOHB 674	1000	4BC 1145	750	2BL 855	3000
INDIA		MTFY 674	1000	4BH 1380	600	2CH 1210	1000
Bombay		Hoten		4BK 1290	300	2FC 665	3500
VUB 830	3000	ZILY 900	2000	4QG 760	2500	2GB 950	1000
Calcutta		Hsinking		Broken Hill		2KY 1070	1000
VUC 810	3000	MTCY 570	1000	2BH 1360	100	2SM 1270	1000
Lahore		Mukdon		Bunbury		2UE 1025	1000
VUL 882	100	MTBY 897	1000	6BY 980	50	2UW 1125	750
Madras		PALESTINE		Canberra		Toowoomba	
VUM 770	200	Jerusalem		2CA 1050	500	4GR 1000	50
INDO-CHINA		..... 620	20000	Corowa		Townsville	
Saigon		SIAM		2CO 560	7500	4TO 1170	200
F31CD 840	12000	Bangkok		Crystal Brook		Ulverstone	
JAPAN		HSPI 857	2500	5CK 635	7500	7UV 1460	300
Akita		HS7PJ 882	.....	5PI 1040	2000	Wagga	
JOUK 645	300	AFRICA		Geelong		2WG 1155	50
Asahikawa		ALGERIA		3GL 1400	50	Wongaratta	
JOCG 655	300	Aigiers		Gaulburn		3WR 1260	50
Fukui		..... 941	12000	2GN 1390	100	Wellington	
JOFG 990	500	EGYPT		Grafton		2WL 1435	50
Fukuoka		Alexandria		2GF 1220	50	NEW ZEALAND	
JOLK 680	500	..... 1120	.....	Gunnedah		Auckland	
Hakodate		..... 1429	.....	2MO 1320	50	1YA 650	10000
JOVK 680	500	Cairo		Hamilton		1YX 880	150
Hamamatsu		..... 620	20000	3HA 1010	300	1ZB 1090	200
JODG 635	300	..... 1348	20000	Hobart		1ZJ 1310	50
Hiroshima		KENYA		7HO 890	50	Balclutha	
JOFK 850	10000	Nairobi		7ZL 580	1000	4ZR 1340	5
Kanazawa		VQ7LO 858	600	Harsham		Christchurch	
JOJK 710	3000	MOROCCO		3HS 1370	50	3YA 720	2500
Kachi		Casablanca		Kalgeorlie		3YL 1200	500
JORK 720	500	CNO 983	25	6KG 1220	100	3ZM 1450	146
Kakura		Rabat		Launceston		Cromwell	
JOSK 735	1000	CNR 601	6500	7LA 1100	300	4ZC 1280	7
Kumamoto		SOUTH RHODESIA		Lismore		Dunedin	
JOGK 790	10000	Salisbury		2XN 1340	50	4YA 790	500
Kyato		..... 681.8	1500	Mackay		4YO 1140	200
JOOK 960	300	TUNISIA		4MK 1190	100	4ZB 1050	70
Maebashi		Tunis		Maryborough		4ZL 1220	100
JOBG 970	500	TUA 1275	500	4MB 1060	50	4ZM 1050	100
Matuyoe		UNION S. AFRICA		4MB 1060	50	4ZO 1050	25
JOTK 625	500	Bloemfontaine		4MB 1060	50	4ZW 1450	50
Nagano		ZTB 806.6	500	Maibourne		Cisborne	
JONK 940	500	Cape Town		3AK 1500	50	2ZJ 988	250
Nagasaki		ZTC 600	10000	3AR 610	4500	2ZM 1150	17
JOAG 930	500	Durban		3AW 1425	600	Greymouth	
Nagoya		ZTD 723	1000	3DB 1180	600	3ZE 1300	50
JOCK-1 810	10000	Grahamstown		3KZ 1350	600	3ZR 940	400
JOCK-2 1175	10000	..... 720	10000	3LO 890	3500	Hamilton	
Niigata		Johannesburg		3UZ 930	600	1ZH 770	40
JOOK 920	500	ZTJ 645	10000	3YB 1060	25	Hastings	
Okayama		Protoria		Murray Bridge		2ZL 1240	50
JOKK 700	500	ZTP 952	500	5MU 1450	50	Invercargill	
Osaka		OCEANIA		Mildura		4ZP 620	500
JOBK-1 750	10000	AUSTRALIA		Newcastle		Manurewa	
JOBK-2 1085	10000	Adelaide		2HD 1110	500	1ZM 1260	50
Sapporo		5AD 1310	300	2KO 1415	500	Masterton	
JOJK 830	10000	5CL 730	2000	2NC 1245	2000	2ZD 1170	8
Sendai		5DN 960	300	Northam		Napier	
JOHK 770	10000	5KA 1200	300	6AM 1090	500	2ZH 820	65
Shizuoka		Albury		Perth		Nelson	
JOPK 780	500	2AY 1480	50	6IX 1470	300	2ZR 1360	50
Tokushima		Ayr		6ML 1135	300	New Plymouth	
JOXK 980	500	4AY 980	100	6PR 880	500	2YB 750	100
Tokyo		Ballerat		6WF 690	3500	Palmerston N.	
JOAK-1 870	10000	3BA 1300	50	Renmark		2ZF 960	250
JOAK-2 590	10000	Bendigo		5RM 940	5000	2ZO 1400	100
KOREA		3BO 970	200	Rockhampton		Wairoa	
Keljo		MANCHURIA		4RK 910	2000	2ZP 900	105
JODK-1 900	10000	Dairen		4RO 1330	50	Wellington	
JODK-2 610	10000	JQAK 652	500	Sale		2YA 570	5000
MANCHURIA				3TR 1280	250	2YC 840	200
Dairen				Swan Hill			
JQAK 652	500			3SH 1080	50		

"The Beginner's Story of Radio" explains the whole question of radio and how it works. Simply written with many illustrations. Price 75 cents.

INDEX BY CALL LETTERS

CAB	658	CJRC	1340	CMOK	1210	EAJ25	1500	JOHK	770	KGAR	1370	KOIL	1260
CE58	585	CJRM	500	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	JOJH	700	KGBX	1230	KOMA	1480
CE70	705	CKCD	1610	CMX	905	EAJ30	1600	JOLK	680	KGBZ	930	KOMO	920
CE74	745	CKCH	1210	CMO	983	EAJ31	1492	JONK	940	KGCA	1270	KONO	1370
CE76	760	CKCK	1010	CNR	601	EAJ32	1500	JOOK	960	KCCU	1240	KOOS	1260
CE78	785	CKCL	580	COA	1175	EAJ33	1492	JOPK	780	KCCX	1310	KORR	1420
CE81	805	CKCO	3010	CPX	1250	EAJ34	1492	JOQK	920	KGDE	1200	KOTN	1500
CE82	825	CKCR	1510	CP4	1040	EAJ35	1500	JORK	720	KGDM	1100	KOY	1390
CE88	865	CKCV	1316	CRCK	1050	EAJ36	1500	JOSK	735	KGDY	1340	KPAC	1260
CE88	885	CKCW	1370	CRCM	930	EAJ37	1500	JOTK	625	KGEK	1200	KPCB	710
CE90	905	CKFC	1430	CRCO	860	EAJ38	1500	JOUK	645	KGER	1360	KPJM	1500
CE92	920	CKGB	1420	CRCS	950	EAJ39	1492	JOVK	680	KGEZ	1310	KPO	680
CE94	945	CKIC	1030	CRCT	840	EAJ40	1500	JOXK	860	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	KPQ	1500
CE103	1035	CKMO	1410	CT1AA	625	EAJ43	1492	KABR	1420	KGFI	1200	KPRC	920
CE104	1040	CKNC	1420	CT1DH	1431	EAJ44	1492	KADA	1200	KGFK	1500	KQV	1380
CE106	1065	CKOC	1120	CT1DR	1386	EAJ45	1500	KALE	1300	KGLF	1370	KQW	1010
CE107	1075	CKOV	630	CT1GL	1031	EAJ46	1492	KARK	890	KGFW	1310	KRE	1370
CE109	1090	CKPC	930	CT1RR	1220	EAJ47	1492	KASA	1210	KGFX	630	KREQ	1500
CE110	1105	CKPR	930	CW30	1140	EAJ48	1492	KBPS	1420	KGGC	1420	KRGV	1260
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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
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CE122	1220	CMAF	680	CW41	1360	FFZ	1400	KDKA	980	KGIW	1420	KSAC	580
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CE128	1285	CMBD	1350	CW44	1420	F31CD	840	KECA	1430	KGKL	1370	KSEI	900
CE130	1305	CMBG	1150	CW46	1460	HAE	1122	KELW	780	KGKO	570	KSL	1130
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CE138	1380	CMBZ	1005	CX6	650	HAL	546	KFAC	1300	KGNO	1340	KSTP	1460
CE139	1390	CMC	835	CX8	690	HAL2	1321	KFBB	1280	KGO	790	KSUN	1200
CE141	1410	CMCA	1230	CX10	730	HC2ET	1353	KFB1	1050	KGRS	1410	KTAB	560
CE142	1425	CMCD	1060	CX12	770	HC2JB	1250	KFBK	1310	KGU	750	KTAR	620
CE143	1430	CMCE	955	CX14	810	HHK	920	KFDM	560	KGVO	1200	KTAT	240
CE145	1450	CMCF	610	CX16	850	HIJ	1395	KFDY	780	KGW	620	KTBS	1450
CE146	1465	CMCG	1125	CX18	890	HIJ	1270	KFEL	920	KGY	1210	KTFI	1240
CFAC	830	CMCJ	1200	CX20	930	HIX	1270	KFEQ	680	KHJ	900	KTHS	1060
CFCF	600	CMCK	1320	CX22	970	HIZ	1300	KFGQ	1370	KHQ	580	KTM	780
CFCH	938	CMCN	1500	CX24	1010	HJN	684	KFH	1300	KICA	1370	KTRB	740
CFCN	1038	CMCO	1240	CX26	1050	HJ3ABB	909	KFI	640	KIO	1320	KTRH	1330
CFCO	1050	CMCP	1270	CX28	1090	HJ3ABD	881	KFIO	1120	KIOO	1350	KTSA	550
CFCT	1450	CMCQ	680	CX30	1130	HJ3ABE	1200	KFIZ	1420	KIDW	1420	KTSM	1110
CFCY	630	CMCR	1400	CX32	1170	HJ3ABH	1090	KFJB	1200	KIEM	1210	KTUL	1400
CFJC	880	CMCU	1255	CX34	1210	HJ4ABC	1000	KFJI	1210	KIEV	850	KTW	1220
CFLC	930	CMCV	755	CX36	1250	HSP1	857	KFJM	1370	KIT	1310	KUJ	1370
CFNB	550	CMCX	865	CX38	1290	HS7PJ	882	KFJR	1300	KIUJ	1310	KUMA	1420
CFPL	730	CMCY	1100	CX40	1330	IB8A	1059	KFJZ	1370	KJBS	1070	KUOA	1260
CFQC	840	CMGE	1375	CX42	1370	IBZ	538	KFWA	880	KJR	970	KUSD	890
CFRB	690	CMGF	971.5	CX44	1410	IF1	609	KFKU	1220	KLCN	1290	KVI	570
CFRC	1510	CMGH	1040	CX46	1450	IFGE	986	KFNF	890	KLO	1400	KVL	1370
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CHAB	1200	CMHA	1103	EAJ1	795	INA	1104	KFOX	1250	KLRA	1390	KVOD	920
CHCK	1310	CMHB	1245	EAJ2	731	IP4	565	KFPL	1310	KLS	1440	KVOO	1140
CHGS	1450	CMHD	950	EAJ3	850	IRO	713	KFPM	1310	KLUF	1370	KVOR	1270
CHLP	1120	CMHI	1037	EAJ4	1492	ITR	1340	KFPW	1210	KLX	880	KVOS	1200
CHML	1010	CMHJ	1125	EAJ5	731	ITR	1222	KFPY	1340	KLZ	560	KWCR	1430
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CHWK	780	CMJG	1050	EAJ11	1500	JOBK	970	KFSG	1120	KMLB	1200	KWKC	1370
CJAT	910	CMJH	1150	EAJ12	1492	JOBK-1	750	KFUG	550	KMNJ	740	KWKH	1100
CJCA	730	CMJI	1218	EAJ13	1492	JOBK-2	1085	KFVJ	1000	KMO	1330	KWLC	1270
CJCB	1240	CMJK	790	EAJ14	1500	JOCC	655	KFVS	1210	KMOX	1090	KWSC	1220
CJCI	690	CMJL	960	EAJ15	1022	JOCK-1	810	KFWB	960	KMPC	710	KWTN	1210
CJCS	780	CMJO	1010	EAJ16	1492	JOCK-2	1175	KFXD	1200	KMTR	570	KWTO	560
CJGX	630	CMJP	1360	EAJ17	1492	JODG	635	KFXJ	1200	KNOW	1500	KWYO	1370
CJIC	890	CMK	725	EAJ19	1022	JODK-1	900	KFXM	1210	KNX	1050	KXA	760
CJKL	1310	CMKC	1034	EAJ20	1492	JODK-2	610	KFXR	1310	KOA	830	KXL	1420
CJLS	1310	CMKF	1363	EAJ21	1492	JOFG	998	KFYO	1310	KOAC	530	KXO	1500
CJOC	1230	CMKJ	1300	EAJ23	1492	JOFK	850	KFYR	550	KOB	1180	KXRO	1310
CJOR	690	CMKM	940	EAJ24	1492	JOGK	790	KGA	900	KOH	1380	KXYZ	1440

KYA	1230	PRA7	1153	SCM	1402	WBSO	320	WGBI	880	WKBO	1200	WPEN	920
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KZEG	720	PRA9	1080	SCO	1312	WBTM	1370	WGES	1360	WKBW	1480	WFG	1100
KZRM	618.5	PRB2	882	SCP	1402	WBZ	990	WGH	1310	WKBZ	1500	WPHR	880
LKA	850	PRB3	857	SCQ	1312	WBZA	990	WGL	1370	WKBU	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	SCT	1402	WCAE	1220	WGPC	1420	WKRC	550	WQAN	880
LKH	519	PRB8	1000	SCU	1240	WCAL	1250	WGR	550	WKY	900	WQCB	1360
LKI	845	PRB9	1017	SCV	1402	WCAM	1280	WGST	890	WKZO	590	WQDM	1370
LKK	1276	PRC2	1090	SCW	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	WHAT	1300	WLBL	900	WRC	950
LKS	1276	PRC9	1170	TIEP	1450	WCBA	1440	WHB	860	WLBW	1260	WRDO	1170
LP9	1430	PRD2	935	TIFB	714	WCBD	1080	WHBC	1200	WLBZ	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	959	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	778	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	WSAJ	1330
LR11	1390	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	WCSS	940	WHIS	1410	WMBG	1210	WSB	740
LS5	1110	RW33	1050	VOWR	681	WDAE	1220	WHJB	620	WMBH	1420	WSBC	1210
LS6	1350	RW34	554	VPB	700	WDAF	610	WHK	1390	WMBI	1080	WSBT	1360
LS7	1310	RW35	589	VQZLO	858	WDAG	1410	WHN	1010	WMOB	1310	WSFA	1410
LS8	1230	RW36	862	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	730	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	761	RW46	653	WAAT	940	WDEV	550	WIBU	1210	WMFE	1380	WSOC	1210
LT5	1380	RW46	686.5	WAAW	680	WDGY	1180	WIBW	580	WMFF	1310	WSPA	920
LT8	840	RW48	645	WABC	860	WDNC	1500	WIBX	1200	WMFG	1210	WSPD	1340
LT9	1066	RW51	748.1	WABI	1200	WDOD	1280	WICC	600	WMFH	1420	WSUI	880
LT10	1300	RW52	859	WABY	1370	WDRC	1330	WIL	1200	WMFI	900	WSUN	620
LUHO	758	RW55	959	WACO	1420	WDSU	1250	WILL	890	WMFJ	1420	WSVA	650
LU2	800	RW56	640	WADC	1320	WDZ	1070	WILM	1420	WMMN	890	WSVS	1370
LU6	1380	RW57	1068	WAGF	1370	WEAF	650	WIND	560	WMPC	1200	WSYB	1600
LU7	1280	RW61	888	WAGM	1420	WEAN	780	WINS	1180	WMT	600	WSYR	570
LV1	738	RW64	752	WAIU	640	WEBC	1290	WIOD	1300	WNAC	1230	WTAD	1440
LV2	886	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	WEED	1420	WJAC	1310	WNBH	1310	WTAR	780
LV9	900	RW70	1040	WARD	1400	WEEI	590	WJAG	1060	WNBO	1200	WTAW	1210
MABS	1250	RW71	689	WASH	1270	WEEU	830	WJAR	890	WNBR	1430	WTAX	1210
MOHB	674	RW74	680	WATR	1190	WEHC	1350	WJAS	1290	WNBX	1260	WTBO	800
MTBV	890	RW75	1895	WAVE	940	WEHS	1420	WJAX	900	WNBZ	1280	WTCN	1250
MTFY	674	RW78	825	WAZL	1350	WELL	1420	WJAY	610	WNEL	1290	WTEL	1310
MTCY	570	RW79	610	WBAA	1420	WENR	870	WJBC	1200	WNEW	1250	WTFI	1450
NAA	750	RW82	698	WBAL	1060	WEVD	1080	WJBC	1500	WNEX	1010	WTIS	1310
OAX	850	RW84	635	WBAP	800	WEW	1300	WJBL	1200	WNRA	1420	WTNJ	620
OFA	895	RW85	1013	WBAX	1210	WEXL	1310	WJBO	1420	WNYC	810	WTNH	1280
OFD	749	RW86	1410	WBBC	1200	WFAA	800	WJBW	1200	WOC	1370	WTOT	1260
OFE	1450	SBA	704	WBBL	1210	WFAB	1200	WJBY	1210	WOCL	1210	WTRC	1310
OFH	527	SBB	941	WBBS	770	WFAM	1200	WJDX	1270	WOGL	1210	WTFW	1400
OKB	922	SBC	1312	WBHR	1380	WFAS	1200	WJEE	1210	WOK	1430	WWAE	1200
OKK	1113	SBD	601	WBHZ	1280	WFBC	1300	WJFD	1320	WOL	1310	WWC	1420
OKP	328	SBN	1131	WBDM	1410	WFBE	1200	WJHS	1420	WOMT	1210	WWJ	920
OKR	1104	SCA	1402	WBEN	900	WFBG	1310	WJR	750	WOOD	1270	WWL	850
ONACE	1492	SCB	1402	WBEO	1310	WFBM	1360	WJSV	1460	WOPI	1500	WWNC	570
ONACE	1506	SCC	1086	WBHS	1200	WFBM	1230	WJTL	1370	WOR	710	WWPA	850
ON4EB	1492	SCD	1402	WBIG	1440	WFBW	1270	WJW	1210	WORC	1280	WWRL	1500
ON4RW	1500	SCD	1402	WBNO	1700	WFDL	1310	WJZ	760	WORK	1000	WWSW	1500
PFBJ	995	SCF	1402	WBNS	1350	WFEE	1340	WKAQ	1240	WOS	570	WWVA	1160
PP	859	SCG	1402	WBMX	1350	WFT	550	WKAR	1040	WOSU	570	WXYZ	1340
PRA2	750	SCH	1402	WBOQ	1402	WFLA	620	WKBB	1500	WOV	1130	WYHS	1330
PRA3	934	SCI	1402	WBOW	1310	WFSL	1500	WKBF	1400	WCW	590	WYXW	1550
PRA4	857	SCJ	1330	WBRR	1210	WGAR	1400	WKSH	1350	WOVO	1150	WYBY	1550
PRA5	750	SCK	1312	WBRC	930	WGBB	1410	WKGI	1450	WPAJ	1450	WYBY	1190
PRA6	857	SCL	1402	WBRE	1100	WGBF	630	WASN	1450	WPC	1450	WYBY	1270

KEA	1060	KEPN	590	XGSA	1335	XLHL	800	ZP5	1465	2ZD	1170	4QG	760
KEAA	920	XES	970	XGSL	1401.8	XLHM	1120	ZP9	887	2ZF	960	4RK	910
KEAF	990	XET	690	XGTM	840	XLHN	1200	ZTB	806.6	2ZH	820	4RO	1330
KEA1	1240	XETB	1310	XGWT	1330	XLHO	1280	ZTC	600	2ZJ	980	4TO	1170
KEAM	664	XETH	1210	XHGS	730	XLHQ	1440	ZTD	723	2ZL	1240	4YA	790
KEAO	560	XETW	820	XHHA	840	XLIA	1320	ZTI	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	1150	XHHC	780	XLTC	1210	1YX	880	2ZR	1360	4ZL	1220
KEBC	730	XEX	1310	XHHD	880	XLWT	1310	1ZB	1090	3AK	1500	4ZM	1050
KEC	1310	XEXX	845	XHHE	940	XLWU	1250	1ZH	770	3AR	610	4ZO	1050
KECW	1310	XEYZ	780	XHHF	960	XMHA	600	1ZJ	1310	3AW	1425	4ZP	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	3BD	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	1190	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	YLZ	583	2KO	1415	3WR	1260	6IX	1470
XEFZ	1370	XGHN	600	XHHY	1240	YN	648	2KY	1070	3VA	720	6KG	1220
XEG	1280	XGKA	895	XHKT	1170	YNCRC	870	2MO	1320	3VB	1080	6ML	1135
XEH	1150	XGKL	1450	XHPA	1194	YVIRC	960	2NC	1240	3VL	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	565	YV4RC	1190	2UE	1025	3ZK	949	7LA	1100
XEKL	1240	XGOC	1500	XLHC	720	YV6RV	675	2UW	1125	4AY	980		
XEMA	1080	XGOD	977.5	XLHD	720	YV17BMO	1153	2WG	1155	4BC	1145	7UV	1460
XEMO	860	XGOE	1070	XLHE	1380	ZBW	845	2WL	1435	4BH	1380	7ZL	580
XEN	710	XGOF	634.8	XLHF	1380	Z1LY	900	2XN	1340	4BK	1290	10-AK	1200
XENT	910	XGOK	750	XLHI	760	ZP1	1135	2YA	570	4GR	1000		
XEOX	640	XGOP	950	XLHJ	760	ZP3	1000	2YB	750	4MB	1060	10-BP	1200
XEP	820	XGOY	731.7	XLHK	800	ZP4	1275	2YC	840	4MK	1190	10-BU	1200

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

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

1.540 194.09

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

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

1.560 191.46

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

WIEK, Brdcast. 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)*

CQG, Lac la Ronge, Sask. (B-Z)*

CGV, Emma Lake, Sask. (B-Z)*

CZJ, Ista-a-la-Crosse, Sask. (B-Z)*

VYP, Prince Albert, Sask. (B-Z)*

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

WPGQ, Findlay, Ohio (P-Z)

WPGQ, Columbus, Ohio (P-Z)

WPHC, Massillon, Ohio (P-Z)

WPHK, Wilmington, Ohio (P-Z)

1.606 186.69

KIGA, Brdcast. pickup (KSTP)

WHER, Brdcast. pickup (KDKA)

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

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

WIEK, Brdcast. pickup (B-a-37)

WJER, Brdcast. pickup (WTMJ)

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

1.620 185.07

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

1.622 184.85

KIED, Brdcast. pickup (KFWB)

KIEL, Brdcast. pickup (KJR)

KIEF, Brdcast. pickup (WIL)

KIFI, Brdcast. pickup (WDGY)

KILU, Brdcast. pickup (KARK)

WIEH, Brdcast. pickup (WMCA)

WKEM, Brdcast. pickup (WINS)

WNEI, Brdcast. pickup (WFBM)

1.630 183.94

WEY, Boston, Mass. (Marine Fire)

WKDT, Detroit, Mich. (Marine Fire)

1.631 183.48
 WPHE, Marion Co., Ind. (State Police)
 W9XB, Portable In Ind. (P-z)
 1.642 182.59
 WRDS, E. Lansing, Mich. (State Police)
 1.646 182.15
 WIEK, Brdct. pickup (B-a-W2XE)
 WIEL, Brdct. pickup (B-a-W2XE)
 WLEB, Brdct. pickup (WOKO)
 1.658 180.83
 KSW, Berkeley, Calif. (P-z)
 WPGC, S. Schenectady, N. Y. (State Police)
 1.666 179.96
 WMP, Framlingham, 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)
 WPSP, Harrisburg, Pa. (State Police)
 1.682 178.25
 KGHO, Des Moines, Ia. (State Police)
 KNFN, Waterloo, Iowa (P-z)
 WPBX, Wilmington, Ohio (P-z)
 WBXA, 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)
 KGJY, Beaumont, Texas (P-z)
 KGPL, Los Angeles, Calif. (P-z)
 KGPO, Honolulu, Hawaii (P-z)
 KGPR, Fort Worth, Texas (P-z)
 KGZE, 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)
 WPEF, 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, Brdct. pickup (KSTP)
 KIGW, Brdct. pickup
 WHER, Brdct. pickup (KDKA)
 WIEO, Brdct. pickup (B-a-37)
 WIEW, Brdct. pickup (B-a-37)
 WIEK, Brdct. pickup (B-a-37)
 WJER, Brdct. pickup (WTMJ)
 WMEF, Brdct. pickup (B-a-37)
 2.150 139.45
 KIED, Brdct. pickup (KFWB)
 KIEF, Brdct. pickup (WIL)
 KIEL, Brdct. pickup (KJR)
 KIEO, Brdct. pickup (KFSJ)
 KIFT, Brdct. pickup (WDGY)
 KIFT, Brdct. pickup (KJBS)
 KIIG, Brdct. pickup (KMTR)
 KILB, Brdct. pickup (KWKH)
 WIEG, Brdct. pickup (WMCA)
 WKEM, Brdct. pickup (WINS)
 WLEX, Brdct. pickup (WJAG)
 WNEI, Brdct. pickup (WFBM)
 2.190 136.90
 KIIH, Brdct. pickup (KFAB)
 WIEK, Brdct. pickup (B-a-W2XE)
 WIEL, Brdct. 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)
 KGNF, 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)
 KNFI, Mt. Vernon, Wash. (P-z)
 WCK, Detroit, Mich. (P-z)
 WMO, Highland Park, Mich. (P-z)
 WPDA, Tulare, Calif. (P-z)
 WPDJ, Passaic, N. J. (P-z)
 WPDY, Detroit, Mich. (P-z)
 WPDY, Atlanta, Ga. (P-z)
 WPFH, Baltimore, Md. (P-z)
 WPGI, Columbia, 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)

WMJ, Buffalo, N. Y. (P-z)
 WNFP, Niagara Falls, N. Y. (P-z)
 WPCR, Rochester, N. Y. (P-z)
 WPDW, Washington, D. C. (P-z)
 WPFU, Portland, Me. (P-z)
 WPHB, Nashua, N. H. (P-z)
 Sacramento, Calif. (P-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)
 WPDJ, Columbus, Ohio (P-z)
 WPDN, Dayton, Ohio (P-z)
 WPDJ, St. Paul, Minn. (P-z)
 WPEK, New Orleans, La. (P-z)
 WPFJ, 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)
 KGPB, Portland, Ore. (P-z)
 KGPX, Denver, Colo. (P-z)
 KGZR, Salem, Ore. (P-z)
 WMDZ, Indianapolis, Ind. (P-z)
 WPDE, Louisville, Ky. (P-z)
 WPDF, Flint, Mich. (P-z)
 WPDH, Richmond, Ind. (P-z)
 WPDJ, Lansing, Mich. (P-z)
 WPEB, Grand Rapids, Mich. (P-z)
 WPEE, Saginaw, Mich. (P-z)
 WPFJ, Muskegon, Mich. (P-z)
 WPFJ, Reading, Pa. (P-z)
 WPFJ, Jacksonville, Fla. (P-z)
 WFFT, Lakeland, Fla. (P-z)
 WPFX, Palm Beach, Fla. (P-z)
 WPFY, Yonkers, N. Y. (P-z)
 WPFZ, Miami, Fla. (P-z)
 WPGJ, Binghamton, N. Y. (P-z)
 WPGP, Muncie, Ind. (P-z)
 WPHM, Orlando, Fla. (P-z)
 WPHN, Tampa, Fla. (P-z)
 2.450 122.40
 KGHN, Hutchinson, Kans. (P-z)
 KGPB, Oklahoma City, Okla. (P-z)
 KGPB, Tulsa, Okla. (P-z)
 KGPZ, Wichita, Kans. (P-z)
 KGZF, Chanute, Kans. (P-z)
 KGZP, Coffeyville, Kans. (P-z)
 WPDJ, 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
 KGHJ, Spokane, Wash. (P-z)
 KGZI, Wichita Falls, Tex. (P-z)
 KGZW, Lubbock, Texas (P-z)
 WPDG, Youngstown, Ohio (P-z)
 WPDJ, Akron, Ohio (P-z)
 WPDV, Charlotte, N. C. (P-z)
 WPFJ, Asheville, N. C. (P-z)
 WPGD, Rockford, Ill. (P-z)
 WRBH, Cleveland, Ohio (P-z)
 Idaho Falls, Ida. (P-z)
 Steubenville, Ohio (P-z)
 2.466 121.58
 KGHJ, Lawton, Okla. (P-z)
 KGOZ, Cedar Rapids, Ia. (P-z)
 KGPB, San Francisco, Calif. (P-z)
 KGPJ, Omaha, Nebr. (P-z)
 KGPJ, Sioux City, Ia. (P-z)
 KGPB, San Jose, Calif. (P-z)
 KGPB, 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)
 WPFV, Bridgeport, Conn. (P-z)
 WPGA, Bay City, Mich. (P-z)
 WPGS, 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
 KGHC, Las Vegas, Nev. (P-z)
 KGHM, Reno, Nev. (P-z)
 KNFM, Garden City, Kans. (P-z)
 WPDF, Philadelphia, Pa. (P-z)
 WPFQ, 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, Nebr. (P-z)
 KNFG, Olympia, Wash. (P-z)
 KNFM, Compton, Calif. (P-z)
 WPDT, Kekomo, Ind. (P-z)
 WPDZ, Fort Wayne, Ind. (P-z)
 WPPF, 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)
 Hells 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.)
 2.580 115.76
 WOX, St. George, Staten Island,
 N. Y. (SS-z) (New York Telephone
 Co.)

2.604 115.14
 WVD, Seattle, Wash. (B-z) (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
 KIJV, Hood River, Ore.
 KIJJ, Portable. (Stations owned by
 "Crag Rats, Inc.")
 2.732 109.74
 Aeronautical stations.
 2.748 109.10
 Aeronautical stations.
 2.906 103.17
 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 & Heinen)
 KIEJ, Poorman, Alaska (W. N. Grow-
 den)
 KIII, Circle, Alaska*
 KIII, 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)
 KIJY, Deep Cove, Alaska (B-z)
 KILY, Excursion Inlet, Alaska (B-z)
 Cape Polo, 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 97.60
 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)
 KIII, Circle, Alaska*
 KIIL, Fort Yukon, Alaska*
 KIIM, Hot Springs, Alaska*
 KIIN, Eagle, Alaska*
 KIIO, McGrath, Alaska (B-z)
 KIJN, 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)
 KIJI, Port Conclusion, Alaska (B-z)
 KIJK, Washington Bay, Kulu Isl.,
 Alaska
 KIJW, Shearwater Bay, Alaska (B-z)
 KIJX, Kodiak Island, Alaska (B-z)
 Afognak, Alaska (B-z)
 Skowli Arm, Alaska (B-z)
 3.268 91.74
 CGP, Prince Rupert, B. C. (B-46)
 3.385 88.57
 KIIU, Marshall, Alaska (Territorial
 Govt. of Alaska)
 3.410 87.92
 KNJA, Glacier National Park, Mont.
 KNKS, Yosemite Nat'l Park, Calif.
 KNKY, Devil's Post Pile Nat'l Monu-
 ment
 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
 3.909 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
 RY15, Khabarovsk, USSR. (R-cy)
 WOD, 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
CFAZ, 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 65.80
WDN, W2XBJ Rocky Point, N. Y. (E-cy)
4.580 65.46
DJG, Zeesen, Germany (R-a-14)
4.600 65.18
HCZET, Guayaquil, Ecuador (R-z) Int. Sig., 12 chimes
4.740 63.25
Aeronautical stations
4.745 63.18
Aeronautical stations
4.753 63.08
WOD, Ocean Gate, N. J. (SS-cy)
WOY, Lawrenceville, N. J.
4.755 63.05
CFU, Rossland, B. C. (B-x) (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)
4.875 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)
5.203 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-x) (Consolidated Mining & Smelting Co. of Canada, Ltd.)
5.710 52.51
JDZ, Darlen (B-z) works JVU 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, Merida, Yucatan, Mexico
5.780 51.87
OAX4D, Lima, Peru (R-ax) "Radio DUSA"
Relays OAX4B.
5.790 51.78
JVU, 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)
YVSRMO, Maracaibo, Venezuela (R-ax) "Ecos del Caribe". One song 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. Mellicano 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 99)
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)
YVSRV, Valencia, Venezuela (R-z) "La Voz de Carabobo." Srs. Hermann and Williams Degwitz.
6.040 49.64
WIXAL, Boston, Mass. (R-ax) Relays WEEI
W4XB, Miami, Fla. (R-cy) Relays WIOD
6.042 49.62
HJ1ABG, Barranquilla, Colombia (R-e) 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, Bandobeng, Java (R-ax)
6.060 49.48
W3XAU, Philadelphia, Pa. (R-ax) Relays WCAU
W3XAL, 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-27)
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	6.645 45.12	YNLF, Managua, Nicaragua (R-z) Cadena Indo-Americano
W2XE, New York, N. Y. (R-ax) Re- lays WABC	FG7, Langley Field, Va. (Army air- port)	6.966 43.01
YDA, Bandoeng Java (R-ax) a NIROM station.	6.650 45.09	EDO, Madrid, Spain (B-a-28) EDQ, Madrid, Spain (B-a-28)
6.140 48.83	KFZ, Main Base, Little America (B-cy)	6.990 42.89
W8XK, Pittsburgh, Pa. (R-ax) Re- lays KDKA	6.659 45.02	JVS, Nazaki, Japan (A-z-38) Works Shanghai.
6.150 48.75	HC2RL, Guayaquil, Ecuador (R-ax) "Quinta Piedad," Dr. Roberto Levi, Apartado 759.	LCL, Jetoy, Norway (R-ax)
CJRO, Winnipeg, Man. (R-a-33)	6.660 45.02	7.000 to 7.300
YV3RC, Caracas, Venezuela (R-ax)	KFZ, Main Base, Little America (B-cy)	(41.07 to 42.83 meters), Amateur Band. Foreign amateurs use phone in this band; USA and Canada, code only.
6.160 48.67	KNRA, "Seth Parker" (B-a-37)	7.090 42.20
KNRA, "Seth Parker" (B-a-37)	6.662 45.00	HKE, Bogota, Colombia (Observer- torio de San Bartolome)
6.190 48.43	WXH, Ketchikan, Alaska (B-z) Phones Seattle	7.200 41.61
CT1GO, Lisbon, Portugal (R-z)	6.670 41.95	HJAAB, Manizales, Colombia, "La Voz de Caldas." (R-a) Theme song, Just a Gigolo. Sr. Roberto Baena, Apartado 175.
6.200 48.36	KFZ, Main Base, Little America (B-cy)	7.205 41.61
HJ3ABF, Bogota, Colombia (R-cy) La Voz de Bogota. Interval signal: chimes similar to those used by NBC	KNRA, "Seth Parker" (B-a-37)	EASAB, Santa Cruz de Tenerife, Canary Islands (R-ax)
6.240 48.05	6.672 44.91	7.370 40.67
HI-1-A, Santiago de Los Caballeros, D. R. (R-a) Theme song, Anchors Aweigh. "La Voz del Yaque".	YVQ, Maracay, Venezuela (B-c-35)	KEB, Bolinas, California (E-cy). WJN, Rocky Point, N. Y. (E-cy)
6.285 47.70	6.675 44.91	7.390 40.57
CZA, Drummondville, P. Q. (SS-a-6)	DGK, Nauen, Germany (B-a-13)	JVR, Nazaki, Japan (A-38) Works Hongkong.
6.375 47.03	6.710 41.68	ZLR, Wellington, New Zealand (A-a-24)
YV4RC, Caracas, Venezuela (R-z)	TIEP, San Jose, Costa Rica, "La Voz del Tropico." (R-z) Sr. Ed- wardo Pinto H., Apartado 257.	7.400 40.51
6.380 46.99	6.718 41.62	WEM, Rocky Point, N. Y. (E-cy)
HIZ, Santo Domingo, D. R. (R-ax)	WDB, Rocky Point, N. Y. (E-cy)	7.465 40.16
VO9, Mitchell Field, L. I. (Army Airport)	6.720 41.62	HJP, Bogota, Colombia (B-cy) Phones Hialeah
6.412 46.76	CFU, Rossland, B. C. (Consolidated Mining & Smelting Co. of Canada, Ltd.)	7.470 40.14
IS3, Bolling Field, Va. (Army air- port)	6.725 44.57	JVQ, Nazaki, Japan (A-38) Works Bandoeng.
6.425 46.66	WQO, Rocky Point, N. Y. (E-cy)	7.510 39.92
CZG, Prince Rupert, B. C. (Police)	6.733 44.53	JVP, Nazaki, Japan (A-38) Works DFL
VK1, Solfridge Field, Mich. (Army airport)	KEQ, Kahuku, Hawaii (B-cy)	7.520 39.87
W3XL, Boundbrook, N. J. (NBC Control station, and cue station for nearly all stunt broadcasts)	6.740 44.48	KDK, Kahuku, Hawaii (A-cy) Phones Dixon
W9XF, Chicago, Ill. (E-ax)	WEJ, Rocky Point, N. Y. (E-cy)	KKH, Kahuku, Hawaii (A-cy) Phones Dixon
6.445 46.52	6.750 44.42	RKI, Moscow, USSR (B-cy)
PE2, Wright Field, (Army airport)	JVT, Nazaki, Japan (A and R, a-38)	7.565 39.63
6.447 46.50	6.790 44.16	KWY (W6XN), Dixon, California (A-cy) Phones Hawaii
HJ1ABB, Barranquilla, Colombia (R-ax) "La Voz de Barranquilla." (Relays HJ1ABA)	CMB, Havana, Cuba (B-c-11) GDB, Rugby, England (A-a-16)	7.575 39.58
6.490 46.20	6.800 44.09	XGO, Shanghai, China (B-a-8)
HJ5ABD, Cali, Colombia, "La Voz del Valle" (R-a) Int. Sig. Rooster Crow. Apartado 270.	6.800 43.71	7.610 39.40
6.500 46.13	KEL, Bolinas, Calif. (E-cy)	KWX, Dixon, California (A-cy)
HI4D, Santo Domingo, D. R. (R-ax) "La Voz de Quisqueya".	6.870 43.64	7.620 39.34
6.518 46.00	RKF, Moscow, USSR (B-c)	RIM, Irkutsk, USSR (B-cy)
HI1L, Santo Domingo, D. R. (R-z)	6.880 43.58	7.685 39.01
6.615 45.32	CGA7, Drummondville, P. Q. (A-c-5) RKF, Moscow, USSR (B-c)	TIR, Cartago, Costa Rica (B-b-9) Phones Hialeah
WMEP, Suffield, Ohio (G-z)	6.900 43.45	7.715 38.86
WMEU, St. Petersburg, Fla. (G-z)	RKF, Moscow, USSR. (B-c)	KEE, Bolinas, Calif. (E-cy)
WMEV, Opa Locks, Fla. (G-z) (Goodyear Zeppelin Base)	6.905 43.42	7.797 38.47
6.620 45.29	GDS, Rugby, England (A-a-16)	HBP, Geneva, Switzerland (R-b-30) "Radio Nations"
PRADO, Riobamba, Ecuador, (R-a) Apartado 98. Cadena Indo- Americano.	6.950 43.13	
	WKP, Rocky Point, N. Y. (E-cy)	

7,880 38.05	9,120 32.88	9,570 31.33
JYR, Kamikawa-Cho, Chiba-Ken, Japan (B-z)	CPS, La Paz, Bolivia (R-ax)	WIXAZ, Mills, Mass. (R-ax), Relay WBZ-WBZA
7,960 37.67	9,168 32.70	9,580 31.30
CMB, Havana, Cuba (B-b-31)	YVR, Maracay, Venezuela (B-cy)	VK3LR, Melbourne, Australia (R-ax)
VLZ, Sydney, Australia (A-a-3)	9,170 32.70	XGBD, Shanghai, China (R-z)
XGL, Sitanghai, China (B-b-3)	KZGF, Manila, P. I. (Philippine Long Distance Telephone Co.)	9,585 31.28
8,015 37.40	WNA, Lawrenceville, N. J. (A-cy)	GSC, Daventry, England (R-a-17)
Aeronautical stations	9,273 32.33	VK2ME, Sydney, Australia (R-a-3)
8,017 37.40	GCB, Rugby, England (A-a-16)	9,590 31.26
EDQ, Madrid, Spain (B-a-28)	Phones Canada	WIXAU, Philadelphia, Pa. (R-ax)
8,035 37.31	9,332 32.13	Relays WCAU
CNR, Rabat, Morocco (B-ax)	CGA4, Drummondville, P. Q. (A-a-6)	9,595 31.25
8,070 37.15	9,410 31.86	HBL, Geneva, Switzerland (R-b-30)
IRF, Rome, Italy (B-a-20)	PLV, Bandung, Java (A-a-22), Phones Australia	"Radio Nations"
8,180 36.65	9,428 31.80	9,600 31.23
PSK, Rio de Janeiro, Brazil (A-b-4)	COH, Vedado, Havana, Cuba (R-ax)	CTIAA, Lisbon, Portugal (R-ax), Interval signal: cuckoo call.
8,230 36.43	9,443 31.74	LQA, Buenos Aires, Argentine (A-b-1)
KNRA, "Seth Parker" (B-a-37)	WES, Rocky Point, N. Y. (E-cy)	9,609 31.20
8,464 35.42	9,460 31.79	DGU, Nauen, Germany (B-a-13)
DAF, Norden, Germany (SS-a-15)	WKJ, New Brunswick, N. J. (A-cy)	9,630 31.13
8,500 35.27	9,470 31.55	IRO, Rome, Italy
JZF, Nazaki, Japan (B-z) Works Ships	WET, Rocky Point, N. Y. (E-cy)	9,702 30.90
8,510 35.23	9,490 31.59	GCA, Rugby, England (A-a-16)
Ship stations	KZGH, Itoilo, P. I. (Philippine Long Distance Telephone Co.)	9,750 30.75
8,515 35.21	9,500 31.56	RKF, Moscow, USSR (B-c)
CZA, Drummondville, P. Q. (SS-c-6)	XGOX, Nanking, China (R-29) Relays XGOA (Proposed)	VLJ, Sydney, Australia (A-a-3) Works Java.
8,560 35.03	9,503 31.55	WOF, Lawrenceville, N. J. (A-cy)
WOO, Ocean Gate, N. J. (SS-cy)	VK3ME, Braybank (Melbourne), Australia (R-ax)	9,798 30.60
WOY, Lawrenceville, N. J.	9,505 31.54	GCW, Rugby, England (A-a-16)
8,630 34.74	PRF5, Rio de Janeiro, "A Vox de Brasil"	9,823 30.52
CMA, Havana, Cuba (B-b-31)	9,510 31.53	IRM, Rome, Italy (B-a-20)
8,770 34.19	GSR, Daventry, England (R-a-17)	9,830 30.50
RSZ, Irkutsk, USSR (B-cy)	9,520 31.49	LSI, Buenos Aires, Argentina (B-a-1)
8,820 33.99	OXY, Skamlebaek, Denmark (R-ax), Chimes strike midnight at 6 p.m., EST.	9,840 30.47
KFZ, Main Base, Little America (B-cy)	9,530 31.46	FTI, Ste. Assise, France (B-a-11)
KNRA, "Seth Parker" (B-a-37)	W2XAF, Schenectady, N. Y. (R-ax), Relays WGY	JYS, Kamikawa-Cho, Chiba-Ken, Japan (R-z)
8,830 33.95	9,540 31.43	9,862 30.40
Ships	DJN, Zeeson, Germany (R-a-14)	EAQ, Madrid, Spain (R-a) Transradio Espanola, Apartado 951, Madrid.
8,840 33.92	9,550 31.39	9,870 30.38
KFZ, Main Base, Little America (B-cy)	LCL, Jcloy, Norway, Relays Oslo. (R-a) Director General, Administration des Telegraphes du Royaume de Norvege, Oslo.	WON, Lawrenceville, N. J. (A-cy)
KNRA, "Seth Parker" (B-a-37)	9,555 31.38	9,895 30.30
8,930 33.57	VE9DN, Drummondville, P. Q. (R-a-6)	LSN, Buenos Aires, Argentina (A-b-1)
WAD, Rocky Point, N. Y. (E-cy)	9,560 31.36	9,920 30.22
WEG, Rocky Point, N. Y. (E-cy)	DJA, Zeeson, Germany (R-a-14) Interval sig.: "Always be True and Honest" played on music box.	JDY, Darion (A-z) Works JVU, Tokio.
8,940 33.54	9,565 31.35	9,942 30.15
KZGG, Cebu, P. I. (Philippine Long Distance Telephone Co.)	VUB, Bombay, India (R-z) Indian State Broadcasting Service, Irwin House, Sprotts Road, Ballard Estate, Bombay.	GCU, Rugby, England (A-a-16)
WKL, Rocky Point, N. Y. (E-cy)		9,990 30.01
8,950 33.50		KAZ, Manila, P. I.
WEL, Rocky Point, N. Y. (E-cy)		10,055 29.82
8,980 33.59		SUV, Cairo, Egypt (B-a-10)
VWY, Kirkee, Poona, India (B-z)		ZFB, Hamilton, Bermuda (B-c) Works N. Y.
9,010 33.28		10,135 29.58
KEJ, Bolinas, Calif. (E-cy)		OPM, Leopoldville, Belgian Congo (B-ax)
9,020 33.24		
GCS, Rugby, England (A-a-16)		

10.250 29.25	11.750 25.51	13.245 22.64
PMN, Bandoeng, Java (A-a-22)	GSD, Daventry, England (R-a-17)	KFZ, Main Base, Little America (B-cy)
10.285 29.15	11.760 25.50	13.260 22.61
DIQ, Zeesen, Germany (E-a-13)	DJD, Zeesen, Germany (R-a-14)	KFZ, Main Base, Little America (B-cy)
10.290 29.14	11.790 25.43	13.337 22.48
HPC, Panama City, Panama (B-cy) Phones Hialeah	W1XAL, Boston, Mass. (R-ax), Relays WEEI	YVQ, Maracay, Venezuela (B-cy) Phones Hialeah
10.330 29.02	11.830 25.34	13.390 22.39
ORK, Brussels, Belgium (B-bx)	W2XE, Wayne, N. J. (R-ax), Relays WABC	WMA, Lawrenceville, N. J. (A-cy)
ORK, Brussels, Belgium (R-ax), Daily at 1 p.m.	11.865 25.27	13.465 22.26
10.335 29.01	GSE, Daventry, England (R-a-17)	WKC, Rocky Point, N. Y. (E-cy)
ZFD, Hamilton, Bermuda (A-cy)	11.870 25.25	13.480 22.24
10.350 28.97	W8XK, Pittsburgh, Pa. (R-ax), Relays KDKA	WJL, Rocky Point, N. Y. (E-cy)
LSX, Buenos Aires, Argentina (B-cy)	11.900 25.19	13.500 22.09
10.370 28.91	XGOX, Nanking, China (R-28) Relays XGOA (Proposed)	GBB, Rugby, England (A-a-16)
WCG, Rocky Point, N. Y. (E-cy)	11.905 25.18	13.560 22.11
10.375 28.89	Rdo., Coloniale, Pontoise, France	JVI, Nazaki, Japan (A-x-38) Works Harbin.
JVD, Nazaki, Japan (A-x) Works Harbin.	11.950 25.08	13.600 22.05
10.400 28.83	KKQ, Bollnas, Calif. (E-cy)	JYK, Komikawa-Cho, Chiba-Ken, Japan (E-x)
KEZ, Bollnas, Calif. (E-cy)	12.000 24.99	13.690 21.90
10.410 28.80	RNE, Moscow, USSR. (R-ax)	KKZ, Bollnas, Calif. (E-cy)
10.420 28.77	12.020 24.94	13.780 21.75
XGW, Shanghai, China (B-x-8)	JVK, Nazaki, Japan (R-x-38) Works Shanghai.	KKW, Bollnas, Calif. (E-cy)
10.465 28.64	12.148 24.68	13.810 to 13.830
WKC, Rocky Point, N. Y. (E-cy)	GBS, Rugby, England (A-a-16)	(21.71 meters)
10.520 28.50	12.241 24.41	SUZ, Cairo, Egypt (B-a-10)
CFA4, Drummondville, P. Q. (B-a-6)	GBU, Rugby, England (A-a-16)	13.870 21.61
10.550 28.42	12.394 24.19	WIY, Rocky Point, N. Y. (E-cy)
WOK, Lawrenceville, N. J. (A-cy)	DAF, Norden, Germany (SS-a-15)	13.900 21.57
10.610 28.25	12.660 23.68	WQP, Rocky Point, N. Y. (E-cy)
WEA, Rocky Point, N. Y. (E-cy)	CZA, Drummondville, P. Q. (SS-a-6)	13.984 21.44
10.630 28.20	12.780 23.40	GBA, Rugby, England (A-a-16)
WED, Rocky Point, N. Y. (E-cy)	GBC, Rugby, England (SS-a-16)	14.000 to 14.400
10.660 28.12	12.785 23.45	(20.82 to 21.42 meters), amateur band. Phones from 14.150 to 14.250 megs.
JVN, Nazaki, Japan (B-x)	IAC, Coltano, Italy (SS-a-19)	14.450 20.75
10.740 27.92	12.820 23.38	GBW, Rugby, England (A-a-16)
JVM, Nazaki, Japan (A-x)	CNR, Rabat, Morocco (B-a-same address as "Rabat")	14.470 20.72
10.840 27.66	....., Rabat, Morocco (R-ax)	WMF, Lawrenceville, N. J. (A-cy)
KWV, Dixon, Calif. (A-cy)	12.830 23.36	14.480 20.70
10.890 27.53	HJA3, Barranquilla, Colombia (B-cy)	LSN, Buenos Aires, Arg. (A-b-1)
CMA, Havana, Cuba (B-b-31)	12.840 23.35	YNA, Managua, Nicaragua (B-cy), Phones
10.902 27.35	WOO, Ocean Gate, N. J. (SS-cy)	14.545 20.69
OCI, Lima, Peru (B-c-25)	WOY, Lawrenceville, N. J.	HPF, Panama City, Panama (B-cy) Phones Hialeah
11.187 26.80	12.930 23.18	TGF, Guatemala City, Guatemala (B-cy) Phones Hialeah
XAM, Merida, Mex. (B-bx), Phones Mexico City	WAW, Hialeah, Fla. (B-cy)	TIN, Cartago, Costa Rica (B-b-9)
11.660 25.71	13.185 22.74	TIU, Cartago, Costa Rica (B-b-9)
JVL, Nazaki, Japan (A-38) Works Taiwan.	KFZ, Main Base, Little America (B-cy)	14.590 20.55
11.670 25.69	13.185 13.260	WMN, Lawrenceville, N. J. (A-cy)
PPQ, Rio de Janeiro, Brazil (B-a-5)	(22.61 to 22.74 meters) SHIPS.	14.600 20.54
11.720 25.58	13.200 22.71	JVH, Nazaki, Japan (A-x-38) Works GCJ
CJRX, Winnipeg, Man. (R-a-33)	CFU, Rossland, B. C. (Consolidated Mining & Smelting Co. of Canada, Ltd.)	14.682 20.42
Radio Coloniale, Pontoise, France (R-ax)	KFZ, Main Base, Little America (B-cy)	PSF, Rio de Janeiro, Brazil (A-b-4)
11.725 25.57	KNRA, "Seth Parker" (B-a-37)	14.800 20.26
PHI, Hulzen, Holland (R-ax)		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
H/B, Bogota, Colombia (B-cy)
 14.969 20.03
EIQ, 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
FCJ, Hilversum, Neth. (R-a-49)
 15.234 19.68
Rdo., Coloniale, Pontoise, France (R-ax)
 15.250 19.66
WIXAL, 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 19.95
OCJ, Lima, Peru (B-o-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
DFB, 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 16.02
HSP, Bangkok, Siam (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
PHJ, Hulzen, Holland (R-ax)
 17.780 16.80
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, Knetwijk, 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, Ballinas, California (E-cy)
 18.170 16.50
PMC, Bandoeng, Java (A-a-22)

18.180 16.49
CGA, Drummondville, P. Q. (A-o-5)
 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, Maracay, 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
PCN, Knetwijk, Holland (A-b-18)
 18.444 16.25
HJY, Bogota, Colombia (B-cy)
 18.011 16.11
GAU, Rugby, England (A-a-16)
 18.670 16.08
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 Canaries
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)

19.805 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)
 20.308 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)
 20.840 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
 Kokohead, 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
 WIXK, Pittsburgh, Pa. (R-ax)
 22.201 13.45
 GBU, Rugby, England (A-a-16)

SHORT WAVE INDEX BY LOCATIONS

ALABAMA	View Cove,	Pasadena	Orlando	IOWA	Brookline
Birmingham	Dall Is.	KGJX 1.712	WPHM 2.442	Cedar Rapids	WPEJ 1.712
WPFM 2.382	KICI 3.093	Pomona	Palm Beach	KGOZ 2.466	Fairhaven
Mobile	Washington Bay	KNFJ 1.712	WPEX 2.442	Davenport	WPFN 1.712
WPGW 2.382	Kulu Island	Sacramento	St. Petersburg	KGPN 2.466	Fitchburg
ALASKA	KIJK 3.265	San Bernardino	WMEU 2.930	Dos Moines	WPHA 2.466
Afognak	Willow Creek	KGZV 1.712	WMEU 6.615	KGHO 1.682	Frammingham
3.265	Mines	CALIFORNIA	Tampa	KGZG 2.466	WMP 1.666
Baranoff Island	KIIP 3.093	San Diego	WPHN 2.442	Sioux City	Medford
KIJS 2.994	ARIZONA	KIEO 2.150	GEORGIA	KGPK 2.466	WPBG 1.712
Cape Pole	Phoenix	KGZD 2.490	Atlanta	Storm Lake	Millis
2.994	.....	San Francisco	WPDY 2.414	.....	WIXAZ 9.570
Circle	ARKANSAS	KIFT 2.150	Columbus	IOWA	Newton
KIHK 2.994	Little Rock	KGPD 2.466	WPFI 2.414	Waterloo	WPFA 1.712
KIHK 3.190	KILU 1.622	San Jose	La Grange	KNFN 1.682	Northampton
Deep Cove	KGHZ 2.406	KGPM 2.466	WPGM 2.414	KANSAS	WPEW 1.666
KIJV 2.994	CALIFORNIA	Santa Ana	HAWAII	Chanute	Somerville
Eagle	Bakersfield	KGPH 2.430	Honolulu	KGZF 2.450	WPEH 1.712
KIIN 2.994	KGPS 2.414	Santa Barbara	KGPK 1.712	Coffeyville	W. Bridgeport
KIIN 3.190	Berkeley	KGZO 2.414	Kahuku	KGZP 2.450	WPEL 1.666
Egushik	KSW 1.658	Santa Cruz	KEQ 6.733	Garden City	Worchester
KIGP 3.190	KSW 2.422	Tulare	KDK 7.520	KNFH 2.474	WPGX 2.466
Excursion Inlet	Bolinas	WPDA 2.414	KKH 7.520	Hutchinson	MICHIGAN
KILY 2.994	KEL 6.860	Vallejo	KKP 16.030	KGHN 2.450	Bay City
Fort Yukon	KEB 7.370	KGPG 2.422	IDAHO	Leavenworth	WPGA 2.466
KIIL 2.994	KEE 7.715	Whittier	Idaho Falls	KNFF 2.422	Detroit
KIIL 3.190	KEJ 9.010	KGHY 1.712	.....	Topeka	WKDT 1.630
Hot Springs	KES 10.400	Wilmington	2.458	Wichita	WCK 2.414
KIIM 2.994	KEZ 10.400	KOU 2.566	ILLINOIS	KGZC 2.422	WPDX 2.414
KIIM 3.190	KKQ 11.950	Yosemite	Chicago	Wichita	E. Lansing
Kadiak Island	KKZ 13.690	Nat'l Park	WPDD 1.712	Wichita	WRDS 1.642
KIIX 3.265	KKW 13.810	KNKS 3.410	WPDC 1.712	Wichita	Flint
Ketchikan	KQJ 18.020	COLORADO	WPDB 1.712	Wichita	WPDF 2.442
KGM 3.093	Compton	Denver	WSXAA 6.080	Wichita	Grand Rapids
WXH 6.662	KNFM 2.490	KGPK 2.442	WSXF 6.100	Wichita	WPEB 2.442
McGrath	Death Valley	CONNECTICUT	WSXF 6.425	Wichita	Grosse Pointe
KIIO 2.994	KNLO 3.410	Bridgeport	WSXAA 17.780	Wichita	WRDR 2.414
KIHO 3.190	Devil's Post Pile	WPFW 2.466	Highland Park	Wichita	Highland Park
Marshall	Nat'l Monument	WPFW 2.466	WPFDF 2.430	Wichita	WMO 2.414
KIIU 3.385	KNKY 3.410	DISTRICT OF	Rockford	Wichita	Jackson
Peril Straits	Dixon	COLUMBIA	Shreveport	Wichita	.....
KIJN 3.190	KWY 7.565	Washington	KGPY 1.596	Wichita	Lansing
Poorman	KWX 7.610	WPDW 2.422	KGZL 1.712	Wichita	WPDL 2.442
KIEJ 2.994	KWV 10.840	FLORIDA	KILB 2.150	Wichita	Muskegon
Port Armstrong	KWU 15.355	Hialeah	MAINE	Wichita	WPF 2.442
KGXU 2.994	KWO 15.415	WND 4.098	Portland	Wichita	Port Huron
Port Conclusion	KWN 21.060	WAW 12.930	WPFU 2.422	Wichita	WPGB 2.466
KIJI 3.265	Fresno	WNC 15.055	MARYLAND	Wichita	Saginaw
Port Herbert	KGZA 2.414	Jacksonville	Baltimore	Wichita	WPCS 2.442
KIJO 2.994	Hollywood	WPFG 2.442	WPFH 2.414	Wichita	Selfridge Field
St. Michael	KIED 1.622	Lakeland	Massachusetts	Wichita	VK1 6.425
KIIT 3.265	KIED 2.150	WPFH 2.442	Arlington	Wichita	MINNESOTA
Shearwater Bay	KIIQ 2.150	Miami	WPD 1.712	Wichita	Duluth
KIJW 3.265	Long Beach	WPFZ 2.442	Boston	Wichita	KNFE 2.382
Skowl Arm	.....	W4XB 6.040	WEY 1.630	Wichita	Minneapolis
.....	Los Angeles	WMEV 2.930	WPGV 1.712	Wichita	KIFI 1.622
Uganik Bay	KGPL 1.712	WMEV 6.615	WIXAL 6.040	Wichita	KIFI 2.150
KIJP 3.093	Palo Alto	WMEV 6.615	WIXAL 11.790	Wichita	KGPB 2.430
	KGHK 2.470		WIXAL 15.250	Wichita	St. Paul
			WIXAL 21.460	Wichita	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 5.395	VE9XK 6.118
Kansas City	WPLG 2.442	Cincinnati	Cranston	Skykomish	Lunenburg
KGPE 2.422	Bronx	WKDU 1.706	WPGK 2.466	..... 2.490	VBV 1.540
St. Louis	WPEF 2.450	WXAL 6.060	Pawtucket	Snoqualmie	ONTARIO
KIEF 1.622	Buffalo	Cleveland	WPFV 2.466	Pass	Bowmanville
KGPC 1.786	WMJ 2.422	WRBH 2.458	Providence	KGHE 2.490	VESGW 6.095
KIEF 2.150	Huntington	Columbus	WPEI 1.712	Snow Plow	CFD 5.660
MONTANA	WPGO 2.490	WPGQ 1.596	Woonsocket	..... 2.490	Kemora
Glacier Nat'l	WPGS 2.490	WPDI 2.430	WPEM 2.466	Spokane	CFJ 5.660
Park	Mitchell Field,	Dayton	TENNESSEE	KGHS 2.458	QUEBEC
KNIA 3.410	L. I.	WPDM 2.430	Johnson City	Tacoma	Drummondville
NEBRASKA	VO9 6.380	Findlay	WPGZ 2.474	KGZN 2.414	CZA 2.980
Lincoln	New York	WPGG 1.596	Knoxville	Vancouver	CFA2 4.465
KIJH 2.190	WKEM 1.622	Lorain	WPF0 2.474	..... 2.490	CZA 4.785
KGZU 2.490	WIEH 1.622	WMES 2.550	Memphis	Walla Walla	VE9DN 6.005
Norfolk	WIEG 2.150	Massillon	WPEC 2.466	..... 2.490	CZA 6.285
WLEX 2.150	WKEM 2.150	WPHC 1.596	TEXAS	Yakima	CGA7 6.880
Omaha	WPEG 2.450	Portsmouth	Austin	..... 2.490	CZA 8.515
KGPI 2.466	WOZ 3.423	WPGI 2.430	KGHU 2.442	WEST	CGA4 9.332
NEVADA	W2XE 6.120	Stuebenville	Beaumont	VIRGINIA	VE9DN 5.555
Las Vegas	WNaga Falls	..... 2.458	KGPI 1.712	Charleston	CFA4 10.550
KGHG 2.474	WNFP 2.422	Suffield	KGHT 2.382	WPHI 2.490	CZA 12.660
Reno	WMPF 6.615	WMEP 2.930	Cloburne	Clarksburg	CZA 17.310
KGHM 2.474	WPRD 2.422	Toledo	..... 1.712	WPF 2.490	CGA 18.180
NEW	Recky Point	WRDQ 2.474	Corpus Christi	Fairmont	Montreal
HAMPSHIRE	WDN 4.550	Wilmington	KGHV 2.382	WPHJ 2.490	VYR 1.712
Nashua	WQN 5.823	WPHK 1.596	Dallas	Parkersburg	VE9DR 6.005
WPHB 2.422	WQN 5.823	WPBX 1.682	KVP 1.712	..... 2.490	Talouret
NEW JERSEY	WDB 6.718	Youngstown	KGZM 2.414	WISCONSIN	CFL 1.620
Boundbrook	WQO 6.725	WPDG 2.458	Fort Worth	Kenosha	Verdun
W3XL 6.180	WEJ 6.740	Zanesville	KGPR 1.712	WPEP 2.450	CJZ 2.452
W3XL 6.425	WKP 6.950	WHIO 2.430	Houston	Milwaukee	Saskatchewan
W3XL 17.318	WJN 7.370	OKLAHOMA	KGZB 1.712	WJER 1.606	Cub Lake
W3XL 17.780	WEM 7.400	Lawton	Lubbock	WJER 2.102	CFC 1.596
Hackensack	WEC 8.936	KGHP 2.466	KGZV 2.458	WPKD 2.450	Emma Lake
WPFK 2.430	WAD 8.930	Oklahoma City	San Antonio	CANADA	CGV 1.596
Lawrenceville	WKL 8.940	KGPH 2.450	KGZE 2.482	BRITISH	Ile-a-La-Crosee
WOY 4.273	WEL 8.950	Tulsa	Waco	COLUMBIA	CZJ 1.596
WOY 4.753	WES 9.448	KGPO 2.450	Wichita Falls	Alert Bay	Lac La Ronge
WOY 5.850	WET 9.470	OREGON	KGZQ 1.712	Anyox	CGQ 1.596
WOY 8.560	WCG 10.370	Hood River	KGZI 2.458	VAF 1.510	Prince Albert
WNA 9.170	WKC 10.520	KIJY 2.728	UTAH	..... 1.510	VYP 1.596
WON 9.870	WEA 10.610	Klamath Falls	Salt Lake City	CXQ 5.405	Newfoundland
WOF 9.750	WED 10.630	KGZH 2.382	KGPV 2.406	Campbell River	St. John
WOK 10.550	WKC 13.465	Portland	VIRGINIA	CJD 1.510	CJW 2.414
WMA 13.465	WAJ 13.500	KGPP 2.442	Belling Field	CJD 1.540	VE9BJ 6.090
WMF 14.470	WYJ 13.900	Salem	IS3 6.412	CGT 4.865	VIRGIN
WMN 14.590	WQP 13.984	KGZR 2.442	Langley Field	Cape Lazo	ISLAND
WLK 16.270	WQL 14.815	Pennsylvania	FG7 6.645	VAC 1.510	St. Creix
WOY 17.128	WKU 14.830	Harrisburg	Richmond	BRITISH	WTDW 4.295
WLA 18.350	WQG 15.040	WSPF 1.682	WPHF 2.450	COLUMBIA	WTDX 4.295
WKF 19.220	WQC 17.860	New Castle	WASHINGTON	Claydon Bay	St. Thomas
WKN 19.820	WQI 17.880	..... 2.482	Aberdeen	CZP 4.505	WTDV 4.295
WKA 21.060	WKM 18.860	Philadelphia	KGZV 2.414	Knight Inlet	CENTRAL
WKK 21.410	WQY 20.100	WPDP 2.474	Alpeva Camp	CJK 1.510	AMERICA
New Brunswick	NEW YORK	W3XAU 6.060	..... 2.490	Ocean Falls	COSTA RICA
WKJ 9.460	St. George,	W3XAU 9.590	Centralla	CGO 4.505	Cartago
Ocean Gate	Staten Is.	Pittsburgh	KGHW 2.414	Prince George	TIR 7.685
WOG 4.253	WOX 2.590	WHER 1.712	Chinook Pass	CZO 4.505	TIN 14.545
WOO 4.273	Schenectady	WHR 2.102	..... 2.490	Prince Rupert	TIU 15.545
WOO 4.753	W2XAD 15.340	W8XK 6.140	Edmonds	CZG 1.712	San Jose
WOO 8.560	W2XAF 9.530	W8XK 11.870	Everett	CZG 2.414	TIKGP3 5.795
WOO 12.840	S. Schenectady	W8XK 15.210	..... 2.414	CGP 3.268	TIEP 6.710
WOO 17.120	WPGC 1.658	W8XK 17.780	Hells Crossing	CGP 5.405	GUATEMALA
Passaic	Syracuse	W8XK 21.540	Camp	CZG 6.425	Guatemala City
WPDJ 2.414	WPEA 2.382	Reading	..... 2.490	Rosland	TGX 5.937
Wayno	Utica	WFFE 2.442	Ilwaco	CFU 4.755	TGF 14.545
W2XE 11.830	WPGJ 2.414	Swarthmore	..... 2.490	CFU 5.660	PANAMA
W2XE 15.270	Wright Field	WPFQ 2.474	Mt. Vernon	CFU 6.720	Panama City
NEW MEXICO	PE2 6.445	PHILIPPINES	KNFI 2.414	CFU 13.200	HPSB 6.030
Albuquerque	Yonkers	Cebu	KNFY 2.490	Vancouver	HPC 10.290
KGZX 2.414	WPFY 2.442	KZGG 5.825	KNFG 2.490	CGZ 2.452	HPF 14.545
Clovis	NORTH	KZGG 8.940	Satus Pass	VE9CS 6.070	MEXICO
KNFA 2.414	CAROLINA	Iloilo	Camp	MANITOBA	D. F.
Santa Fe	Ashville	KZGH 5.785	..... 2.490	Winnipeg	Mexico City
KGPF 2.414	WPF5 2.458	KZGH 9.490	Seattle	WYW 2.416	XEBT 6.800
NEW YORK	WPF5 2.474	Manila	K1EL 1.622	CJU 3.070	YUCATAN
Albany	Charlotte	KZCF 9.178	K1EL 2.150	CJU 3.452	Merida
WLEB 1.646	WPDV 2.458	KAZ 9.990	KGPA 2.414	CJRO 6.150	XAM 5.766
WPGH 2.414				CJRX 11.720	XAM 11.187

WEST INDIES		BRAZIL		YVR 9.168	GDB 6.790	EDX 19.519	JVT 6.750
BAHAMAS		Rio de Janeiro	PSK 8.180	YVQ 13.337	GDS 6.905	EHY 20.849	JVS 6.990
Nassau				YVR 18.296	GCS 5.020	Santa Cruz de	JVR 7.390
ZFS 4.513		Rio de Janeiro		Valencia	GCB 9.273	Tenerife	JVQ 7.470
BERMUDA		PRF5 5.905		YV6RV 6.030	GCA 9.702	EA8AB 7.205	JVP 7.510
Hamilton		PPQ 11.670		EUROPE	GCW 9.708	SWITZERLAND	JZF 8.500
ZFA 5.025		PSF 14.682		AUSTRIA	GCU 9.942	Geneva	JVO 10.375
ZFB 10.055		PPU 19.270		Vienna	GBS 12.148	HBP 7.797	JVN 10.660
ZFD 10.335		PSA 21.069		OER2 6.075	GBU 12.241	HBL 5.995	JVM 10.720
CUBA		CHILE			GBC 12.780	U.S.S.R.	JVL 11.660
Havana		Santiago		BELGIUM	GBB 13.560	Irkutsk	JVK 12.020
COC 6.010		CEC 15.860		Brussels	GBA 13.984	RIM 7.620	JVI 13.560
CMB-1 5.900		CEC 19.680		ORK 10.330	GBW 14.450	RSZ 8.770	JVH 14.600
CMB 6.790		COLOMBIA		ORK 10.330	GBX 16.150	Khabarovsk	JVF 15.620
CMA 8.630		Barranquilla		ORG 19.182	GBC 17.080	RV15 4.273	JVE 15.650
COH 9.428		HJ1ABG 6.042		DENMARK	GAW 18.200	Moscow	JVB 18.190
CMA 10.890		HJ1ABB 6.447		Shamlebaek	GAS 18.304	RV59 5.996	Taiwan
		HJ1A3 12.830		OXY 9.520	GAU 18.611	RKF 6.870	JIC 5.890
JAVA		Bogota		FRANCE	GAG 18.963	RKF 6.880	SIAM
Bandoeng		HJA2 5.825		Sto. Asisio	GAA 20.368	RKI 7.565	Bangkok
PMY 5.143		HJ3ABI 6.045		FTI 9.840	GBU 22.291	RKI 7.565	HSP 17.720
YDA 5.120		HJN 6.080		FTK 15.865	HOLLAND	RKF 9.750	AFRICA
PKIWK 6.057		HJ3ABF 6.200		FTM 19.282	Hilversum	RNE 12.000	BELGIAN
PLV 9.410		HKE 7.090		GERMANY	PCJ 15.220	RKI 15.040	CONGO
PHN 10.250		HJP 7.465		Nauen	Hulzen	RKI 15.090	Leopoldville
PMC 18.170		HJB 14.930		DGK 6.675	PHI 11.725	Tashkent	OPM 10.135
PLE 18.820		HJY 18.444		DGU 9.689	PHI 17.775	RAU 15.104	OPL 24.028
PMB 20.606		Call		DFB 17.512	Keetwijk	ASIA	EGYPT
DOMINICAN		HJ5ABD 6.490		DFA 19.240	PCV 17.830	CHINA	Cairo
REPUBLIC		Cucuta		DFO 20.028	CPK 18.400	Nanking	SUV 10.655
San Pedro de		HJ2ABC 5.975		Norden		XGOX 6.900	SUZ 13.870
Macoris		Manizales		DAF 4.320	ITALY	XGOX 9.500	MOROCCO
HIH 6.800		HJ4ABB 7.200		DAF 8.464	Coltana	XGOX 11.900	Rabat
Santiago de Los		ECUADOR		DAF 12.394	IAC 12.785	XGOX 17.800	CNR 8.035
Caballeros		Guayaquil		DAF 17.260	IAC 17.770	Shanghai	CNR 12.820
HI-1-A 6.240		HC2RL 6.659		Zeesen	Rome	XGO 7.575	UNION
Santo Domingo		HC2ET 4.600		DJG 4.580	IRA 6.070	XGL 7.960	S. AFRICA
HIK 5.980		Riobamba		DJM 6.080	IRF 8.070	XGBD 9.580	Capetown
HIZ 6.380		PRADO 6.620		DIC 6.020	IRO 9.630	XGN 10.420	ZSS 18.890
HIAD 6.500		NICARAGUA		DJN 9.540	IRM 9.823	XGK 18.690	OCEANIA
HIL 6.518		Managua		DJA 9.565	IRW 19.506	Vatican City	AUSTRALIA
SOUTH		YNLF 6.950		DIQ 10.285	HVJ 5.968	HVJ 15.120	Braybank
AMERICA		YNA 14.480		DJD 11.760	NORWAY	Jeloy	VK3ME 9.503
ARGENTINE		PERU		DJB 15.200	LCL 6.990	Peona	Melbourne
Buenos Aires		Lima		DJE 17.660	LCL 9.550	VWZ 17.533	VK3LR 9.580
LQA 9.600		OAX4D 5.780		GREAT	PORTUGAL	JAPAN	VLZ 7.960
LSI 9.830		OCI 10.962		BRITAIN	Libson	Darlon	VK2ME 9.585
LSN 9.895		OCI 15.821		Daventry	CTIGO 6.190	JDZ 5.710	VLJ 9.750
LSX 10.350		OCI 18.670		GSA 6.050	CTIAA 9.600	JDY 9.920	NEW ZEALAND
LSN 14.480		URUQUAY		GSB 9.510	SPAIN	Kemikawa-Cho,	Wellington
LSR 18.958		Montevideo		GEC 9.585	Madrid	Chiba-Ken	ZLR 7.390
LSM 19.121		CWD 5.830		GSD 11.750	EDQ 6.966	JYR 7.880	SOUTH POLE
L6G 19.895		ENEZUELA		GSE 11.865	EDQ 6.966	JYS 9.840	Little America
LSY 20.820		Caracas		GSF 15.140	EDQ 8.017	JYK 13.600	KFZ 13.185
LSN 21.020		YV2RC 6.112		GSQ 17.790	EDQ 9.862	Manchukuo	KFZ 13.200
LSM 21.128		YV3RC 6.150		GSN 21.470	EDQ 14.969	JZC 5.830	KFZ 13.245
BOLIVIA		YV4RC 6.375		Rugby	EDQ 8.917	Nazaki	KFZ 13.260
La Paz		YVSRMO 5.850		GDS 4.320	EDQ 19.418	JVV 5.730	KFZ 17.600
CP5 6.080		Maracabo		GDW 4.820	EDN 19.519	JVU 5.790	KFZ 17.620
CP6 9.120		YVQ 6.672		GBC 4.975			

SHORT WAVE INDEX BY CALLS

CEC 15.860	CGQ 1.596	CP5 15.300	CZG 2.414	DJD 11.760	FTM 19.282	GCS 9.020
CEC 19.680	GGT 4.865	CP5 6.080	CZG 6.425	DJE 17.760	GAA 20.368	GCU 9.942
CFA2 4.465	CGV 1.596	CTIAA 9.600	CZJ 1.596	DJG 4.580	GAG 18.963	GCW 9.708
CFA4 10.550	CGZ 2.452	CTIGO 6.190	CZO 4.505	DJM 6.080	GAS 18.304	GDB 6.790
CFC 1.596	CJD 1.510	CXQ 5.405	CZP 4.505	DJN 9.540	GAU 18.611	GDS 4.320
CFD 5.660	CJD 1.540	CMA 8.630	DAF 4.320	EA8AB 7.205	GAW 18.200	GDS 6.905
CFJ 5.660	CJK 1.510	CMA 10.890	DAF 8.464	END 19.519	GBA 13.984	GDW 4.820
CFL 1.620	CJRO 6.150	CMB 6.790	DAF 12.394	EDO 6.966	GBB 13.560	GSA 6.050
CFU 4.755	CJRX 11.720	CMB 7.950	DAF 17.260	EDQ 6.966	GBC 4.975	GSB 9.510
CFU 5.660	CJU 3.070	CMB-1 5.900	DFB 17.512	EDQ 8.017	GBC 12.780	GSC 9.585
CFU 6.720	CJU 3.452	CWD 5.830	DFA 19.240	EDQ 9.862	GBC 17.080	GSD 11.750
CFU 13.200	CJW 2.414	CZA 2.980	DGK 6.675	EDQ 14.969	GBC 12.148	GSE 11.865
CGA 18.180	CJZ 2.452	CZA 4.785	DGU 9.609	EDQ 19.418	GBU 12.241	GSF 15.140
CGA4 9.332	CNR 8.035	CZA 6.285	DHO 20.028	EDX 19.519	GBU 22.291	GSQ 17.790
CGA7 6.880	CNR 12.820	CZA 8.515	DIQ 10.285	EHY 20.849	GBW 14.450	GSN 21.470
CGO 4.505	COC 6.010	CZA 12.660	DJA 9.565	FG7 6.645	GBX 16.150	HBL 9.595
CGP 3.268	COH 9.428	CZA 17.310	DJB 15.200	FTI 9.840	GCA 9.702	HBP 7.797
CGP 5.405	CP5 9.120	CZG 1.712	DJC 6.020	FTK 15.863	GCB 9.273	HC2ET 4.600

HC2RL	6.655	KGHE	2.490	KIIL	3.190	OPL	20.028	WHER	1.606	WPDE	2.442	WPHI	2.490
HHH	6.800	KGHG	2.474	KIIM	2.994	OPM	10.135	WHER	2.102	WPDF	2.442	WPHJ	2.490
HHL	6.518	KGKH	2.470	KIIN	3.190	ORK	10.330	WHIO	2.430	WPDG	2.458	WPHK	1.996
HIX	5.980	KGHM	2.474	KIIO	2.994	ORK	10.330	WIED	1.566	WPDH	2.442	WPHM	2.442
HIZ	6.580	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
HID	6.500	KGHP	2.466	KIIO	3.190	PCJ	15.220	WIEK	1.646	WPKD	2.450	WQC	17.860
HIA2	5.825	KGHR	2.466	KIIP	3.093	PCK	18.400	WIEK	2.190	WPKL	2.442	WQG	15.400
HJA3	12.830	KGHS	2.458	KIIP	2.150	PCV	17.830	WIEL	1.646	WPKM	2.430	WQI	17.880
HJB	14.930	KGHT	2.382	KIIT	2.265	PE2	6.445	WIEL	2.190	WPKN	2.382	WQL	14.815
HJN	6.080	KGHU	2.442	KIJI	3.385	PHI	11.725	WIEO	1.606	WPKO	2.468	WQN	5.263
HJP	7.465	KGHV	2.382	KIJJ	3.265	PHI	17.775	WIEO	2.102	WPKP	2.474	WQN	5.825
HJY	18.444	KGHW	2.434	KIJK	3.265	PKIWK	6.057	WIEW	1.606	WPKR	2.422	WQO	6.725
HJ1ABB	6.447	KGHW	2.430	KIJO	3.190	PLE	18.820	WIEW	2.102	WPKS	2.430	WQP	13.984
HJ1ABG	6.042	KGHY	1.712	KIJO	2.994	PLV	9.410	WIEY	1.566	WPKT	2.490	WQV	14.800
HJ2ABC	5.975	KGHZ	2.406	KIJP	3.093	PMB	20.606	WIEY	1.606	WPKU	1.712	WQY	20.300
HJ3ABF	6.200	KGJX	1.712	KIJS	2.994	PNC	18.170	WIEY	2.102	WPKV	2.458	WRBH	2.458
HJ3ABI	6.045	KGM	3.093	KIJS	2.994	PMI	10.250	WIXAL	15.250	WPKW	2.422	WRDD	2.474
HJ4AB	7.288	KGOZ	2.466	KIJK	3.265	PNY	5.143	WIXAL	21.460	WPKX	2.414	WRDR	2.414
HJ5ABD	6.498	KGPA	2.434	KIJK	3.265	PPU	11.670	WIY	13.900	WPKY	2.414	WRDS	1.642
HKE	7.890	KGPB	2.430	KIJZ	2.728	PRADO	6.620	WJER	1.606	WPKZ	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
HPE	14.545	KGPD	2.466	KIJB	2.150	PRF5	9.505	WJN	7.370	WPEB	2.442	WTDX	4.295
HPSB	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	WPEE	1.712	WVD	5.995
HVJ	5.968	KGPG	2.422	KIKH	7.520	PSK	8.180	WKC	13.465	WPEF	2.450	WXH	6.662
HVJ	15.120	KGPH	2.450	KKP	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	KGPI	1.712	KKW	13.810	RFK	6.870	WKEM	1.422	WPEI	1.712	WIXAL	6.040
IRA	6.070	KGPK	2.466	KKZ	13.690	RFK	6.880	WKEM	2.150	WPEJ	1.712	WIXAZ	9.570
IRF	6.070	KGPI	1.712	KNFZ	2.414	RFK	6.900	WKF	19.220	WPEK	2.430	W2XAD	15.340
IRM	9.823	KGPM	2.466	KNFE	2.434	RFK	9.750	WKJ	9.460	WPEL	1.666	W2XAF	9.530
IRO	9.630	KGPN	2.466	KNFF	2.422	RKI	7.565	WKK	21.410	WPEM	2.466	W2XE	6.120
IRW	19.506	KGPO	2.450	KNFG	2.400	RKI	15.040	WKL	8.940	WPEQ	1.570	W2XE	11.830
IS3	6.412	KGPP	2.442	KNFH	2.474	RKI	15.050	WKM	18.860	WPER	2.450	W2XE	15.270
JDY	9.920	KGPR	1.712	KNFI	2.414	RNE	12.000	WKN	19.820	WPE5	2.442	W3XAL	6.100
JDZ	5.710	KGPR	1.712	KNFJ	1.712	RSZ	8.770	WKP	6.950	WPET	1.706	W3XAL	17.780
JIC	5.898	KGPS	2.414	KNFH	2.490	RV15	4.273	WKA	14.830	WPEV	1.666	W3XAD	6.060
JVB	18.198	KGPW	2.406	KNFH	1.882	RV59	5.396	WLA	18.350	WPEW	1.666	W3XAD	9.958
JVE	15.459	KGPF	2.442	KNIA	3.410	SUV	10.955	WLEB	1.646	WFFA	1.712	W3XL	6.425
JVF	15.620	KGPF	1.596	KNKY	3.410	SUZ	13.870	WLEB	2.150	WFFC	2.442	W3XL	17.310
JVH	14.600	KGPP	2.994	KNKS	3.410	TGF	14.545	WLK	16.270	WFFD	2.430	W4XB	6.040
JVI	13.560	KGQU	2.414	KNLO	3.410	TGX	5.937	WMA	13.465	WFFE	2.442	W8XA	1.682
JVK	12.029	KGZA	2.414	KNRA	6.660	TIEP	6.710	WMDZ	2.442	WFFG	2.442	W8XAL	9.960
JVL	11.960	KGZB	1.712	KNRA	6.670	TIN	14.545	WMEZ	1.606	WFFH	2.414	W8XK	6.140
JVM	10.720	KGZC	2.422	KNRA	6.670	TIR	7.685	WMEF	2.102	WFFI	2.414	W8XK	11.470
JVN	10.560	KGZD	2.490	KNRA	8.230	TIU	15.545	WMEP	2.930	WFFK	2.430	W8XK	15.210
JVO	10.375	KGZE	2.482	KNRA	8.820	TIXGP3	5.795	WMEP	6.615	WFFL	2.382	W8XK	17.780
JVP	7.510	KGZF	2.450	KNRA	8.840	VAC	1.510	WMES	2.550	WFFM	1.732	W8XK	21.544
JVQ	7.470	KGZG	2.466	KNRA	12.200	VAF	1.510	WMEU	2.930	WFFO	2.474	W3XAA	6.980
JVR	7.350	KGZH	2.382	KOU	2.566	VBY	1.540	WMEU	6.615	WFFP	2.490	W3XAA	17.780
JVS	6.990	KGZI	2.458	KOW	2.522	VE9BJ	6.090	WMEV	2.930	WFFQ	2.474	W3XBU	1.634
JVT	6.750	KGZJ	2.430	KQJ	18.020	VE9CS	6.070	WMEV	6.615	WFF5	2.458	W3XF	6.100
JVU	5.790	KGZL	1.712	KSW	1.658	VE9DN	6.005	WMF	14.470	WFF6	2.474	W3XF	6.425
JVV	5.730	KGZM	2.414	KSW	2.422	VE9DN	9.555	WMJ	2.422	WFFT	2.442	XAM	5.766
JYK	13.600	KGZN	2.414	KVP	1.712	VE9DR	6.005	WMN	14.590	WFFV	2.422	XAM	11.187
JYR	7.888	KGZO	2.414	KWN	21.060	VE9GW	6.095	WMO	2.414	WFFV	2.466	XGBD	9.580
JYS	9.840	KGZP	2.450	KWO	15.415	VE9HX	6.110	WMP	1.666	WFFW	2.466	XEBT	6.000
JZC	5.830	KGZQ	1.712	KWO	15.355	VK1	6.425	WNA	9.170	WFFX	2.442	XGT	18.690
JZF	8.500	KGZR	2.442	KWV	10.840	VK3LR	9.580	WNC	15.055	WFFY	2.442	XGL	7.960
KAX	19.980	KGZT	1.674	KWX	7.610	VK2ME	9.585	WND	4.098	WFFZ	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	9.950	KGZV	1.712	KZGF	5.765	VLJ	9.750	WNEI	2.150	WPGB	2.466	XGOX	6.000
KDK	7.520	KGZV	2.414	KZGF	9.170	VLZ	7.960	WNFP	2.422	WPGC	1.658	XGOX	9.500
KEB	7.370	KGZW	2.458	KZGG	5.825	VO9	6.380	WOB	5.850	WPGD	2.458	XGOX	11.900
KEE	7.715	KGZX	2.414	KZGG	8.940	VUB	9.565	WOF	9.750	WPGG	1.596	XGOX	17.800
KEJ	9.010	KICI	3.093	KZGH	5.785	VWY	9.980	WOG	4.253	WPGH	2.414	XGOX	10.420
KEL	6.860	KIED	1.622	KZGH	9.490	VWZ	17.533	WOK	10.550	WPGI	2.430	YDA	6.120
MEQ	6.733	KIED	1.622	LCL	6.990	VYP	1.596	WON	9.870	WPGJ	2.414	YNA	14.480
KES	10.400	KIEF	1.622	LCL	9.550	VYR	1.712	WOO	4.273	WPGK	2.466	YNFL	6.950
KEZ	10.400	KIEF	2.150	LQA	9.600	WAD	8.930	WOO	4.753	WPLG	2.442	YVR	9.168
KFZ	6.650	KIEJ	2.994	LSG	119.895	WAJ	13.500	WOO	8.560	WPGM	2.414	YVR	18.296
KFZ	6.660	KIEL	1.622	LSI	9.830	WAW	12.930	WOO	12.840	WPGN	2.490	YVQ	6.672
KFZ	6.670	KIEL	2.150	LSM	19.121	WCG	10.370	WOO	17.120	WPGO	2.490	YVQ	13.337
KFZ	8.820	KIEO	2.150	LSM	21.128	WCK	2.414	WOX	2.590	WPGP	2.442	YVZRC	6.112
KFZ	8.840	KIFI	1.622	LSN	9.895	WDB	6.718	WOY	4.273	WPGQ	1.596	YVZRC	6.150
KFZ	13.185	KIFI	2.150	LSN	14.480	WDN	4.550	WOY	4.753	WPGS	2.490	YVZRC	6.375
KFZ	13.280	KIFT	2.150	LSN	21.020	WEA	10.610	WOY	8.560	WPGV	1.712	YV5RMO	5.850
KFZ	13.245	KIGA	1.606	LSR	13.958	WEG	8.930	WOY	17.120	WPGW	2.382	YV5RMO	6.030
KFZ	13.260	KIGA	2.102	LSX	13.350	WED	10.630	WOZ	3.423	WPGX	2.466	ZFA	5.025
KFZ	17.600	KICP	3.190	LSY	21.820	WEJ	6.740	WPBG	1.712	WPGZ	2.474	ZFB	10.055
KFZ	17.620	KIGW	2.102	OAX4D	5.780	WEL	8.950	WPBD	1.682	WPHA	2.466	ZFD	10.335
KGHA	2.490	KIHH	2.190	OCI	10.962	WEM	7.400	WPBA	2.414	WPHB	2.422	ZFS	4.513
KGHB	2.490	KIHK	2.994	OCI	15.821	WES	9.448	WPDB	1.712	WPHC	1.596	ZLR	7.390
KGHC	2.490	KIHK	3.190	OCI	18.670	WET	9.476	WPDC	1.712	WPHD	1.534	ZSS	18.890
KGHD	2.490	KIIL	2.994	OER2	6.675	WEY	1.630	WPDD	1.712	WPHF	2.450		

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