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Every time a new edition of our RADIO AND SHORT WAVE TREATISE comes off the press it is an event—an event of importance to tens of thousands of our customers and friends who have been receiving them regularly for many years. **YOU TOO WILL FIND IT INDISPENSABLE.**

This completely revised and enlarged 1934 edition contains 108 solid pages of useful radio information, diagrams, illustrations, radio kinks and real live radio merchandise. It contains more valuable radio information—more real live “meat”—than many textbooks on the subject. As usual considerable space has been devoted to the beginner in radio. Chapter Two of the series of articles titled “Fundamental Principles of Radio for the Beginner,” aside from being a fine grounding in the theory of radio for new fans, offers an excellent review to old timers.

If you have received copies of our previous editions, you are familiar with the type of book we publish—but this new edition **WHAT A BOOK!**

PARTIAL LIST OF CONTENTS

Chapter Two of “Fundamental Principles of Radio for the Beginner”—The New Tubes, Their Uses, and Their Fundamental Circuits—How to Make Money with Public Address Systems, How to Install and Maintain Them—How to Revamp Six-Volt Battery Sets to Use Two-Volt Tubes—Prize Winning Kinks and Short Cuts in Radio—How to Build the “R T” Beginner’s Transmitter—How to Build the Famous Twinplex Short Wave Receiver—How to Construct an Amateur Radio Transmitter—A Most Modern and Complete Tube Chart Including Socket Connections for all Tubes—Numerous Free Offers, etc., etc.

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Improving Your Short Wave Reception

By **CLIFFORD E. DENTON**

SO many radio fans have become discouraged with short wave reception that for a time it looked as though interest in short waves would wane. However, with the improvement in the transmitters and the rapid advance in short wave receiver design this lagging interest has been revived to a tremendous degree. Another reason for this increased interest is the improved tuning ability of the short wave listener-in. In looking back at the early days of DX (long distance) on the American Broadcast Band one notes that real distance was received by many and checking up on these experimenters it was found that they are the ones who are getting the best results today on the short waves. This indicates that there must be something in the personal element that makes for a real DX'R.

In talking with fellows whose records for DX reception place them near the top several facts stand out and they are so simple that every short wave fan can use them to real advantage.

Ten Rules for the Short Wave Listener:

ONE—Use directional antennas. If possible have as many as four antennas placed for reception from different directions. You will be surprised at the improvement.

TWO—Have patience. Tune slowly—exceedingly slow—and go over each band several times. The person who tunes quickly never gets the hard catches.

THREE—Tune at the right time. Do not try to hear stations that are not on the air and then blame the receiver if you do not get them. Check up and find out if the station that you want to hear is broadcasting at that particular time.

FOUR—Make a frequency vs. time schedule. Although short-wave reception is notorious for its irregularity and seeming inconsistency (wherein lies its greatest appeal to the sporting listener), it is a good idea to follow a general schedule as far as wavelength in relation to the time of the day is concerned. The observance of a few simple rules will save the short-wave fan a lot of otherwise wasted time.

From daybreak to mid-afternoon, and particularly during bright daylight, listen between 13 and 22 meters (21540 to 13000 kc.).

To the east of the listener, from about noon to 10:00 p. m., the 20-35 meter will be found very productive. To the west of the listener this same band is best from about midnight until shortly after daybreak. After dark, results above 35 meters are usually much better than during daylight. These general rules hold good whether you live in the United States or in China.

FIVE—Make a complete tuning log of your receiver. One of the greatest aids to DX tuning is a log of stations received. Whenever you hear a new station enter the call letters and the wavelength or frequency with the tuning dial settings *and the time of the day*. This will help trace the tuning positions of other weaker stations that are hard to tune.

SIX—Do not depend entirely on printed schedules. The list of star short-wave broadcasting and telephone stations printed in this book is compiled from many sources, which are not always in agreement. In fact, conflicting data are sometimes received from the stations themselves. The majority of short wave stations using voice transmission are experimental in nature, and are likely to change their operating schedules without notice even after issuing printed programs. For instance, the officials of the great National Broadcasting Company refuse to commit themselves to any definite schedules for some of their best and most widely heard stations. "When you hear them, they're on the air; if you don't hear them, they're not on the air" is the actual comment made by a high N. B. C. official.

Frequencies (wavelengths) are also subject to considerable change. The fact that a station is listed for one frequency does not mean that it does not use others. Many stations are licensed to use as many as a dozen different waves, and are likely to pick any one of them for experimental transmissions.

In writing to foreign stations for verifications, do not fail to enclose an international reply coupon, obtainable at most post offices. If your local office doesn't carry these coupons, ask the postmaster to get some. They cost nine cents each and will invariably elicit some sort of a reply. Write your name and address clearly.

SEVEN—Budget your listening time. Try and organize your listening time in such a manner that you will have an equal chance and sufficient tuning time for the various tuning bands and best tuning times for those bands.

EIGHT—Convenient tuning. Place your short wave receiver on a table or if it is in a console fix your room arrangement in such a way that you can tune your receiver for a long period of time without undue strain. If tuning tires you quickly look around and make yourself comfortable.

NINE—Have a smooth regeneration control. The first law of regenerative receivers surely states that the method of regeneration control must work smoothly. It seems that most short wave receivers are of the regenerative type and if the detector oscillates too quickly and not smoothly a real loss of distance will be the result. This loss of distant reception will be due to the lack of control over the regenerative action when tuning for weak signals.

TEN—Keep the receiver in A1 condition. For real results a radio receiver must be overhauled every so often. Test the tubes and batteries (if any) every few months. Keep all wiping contacts clean and bright. Look out for corrosion of the antenna wires and lead-ins. Use good material in the construction and additional equipment used with the receiver. The best is cheapest in the end.

PREFIXES — BY COUNTRIES

Abyssinia	ET	France	F3, F8	Northern Rhodesia	VQ2
Afghanistan	YA	French Indo-China	FI	Norway	LA
Alaska	K7	Germany	D	Palestine	ZC6
Albania	ZA	Great Britain	G	Panama	HP
Algeria	F8	Greece	SV	Paraguay	ZP
Angola	CR6	Greenland	NX	Persia	EP, EQ
Argentina	LU	Guam	OM	Peru	OA
Australia	VK	Guatemala	TG	Philippines	KA
Austria	OE	Hawaii	K6	Poland	SP
Azores	CT2	Hayti	HH	Porto Rico	K4
Barbados	VP6	Hedjaz	HZ	Portugal	CT1
Bahamas	VP7	Hong Kong	VS6	Roumania	YO-YR
Belgian Congo	ON	Honduras	HR	Saar	TS
Belgium	ON	Hungary	HA	Salvador	YS
Bermuda	VP9	Iceland	TF	Samoa (British)	ZM
Bolivia	CP	India	VU	Samoa (U. S.)	K6
Brazil	PY	Iraq	YI	Sarawak	
British Guiana	VR	Irish Free State	EI	Siam	HS
British Honduras	VP4	Italy	I	Siberia (See U. S. S. R.)	
Bulgaria	LZ	Jamaica	VP5	South Africa	ZS, ZT, ZU
CAMEROONS		Japan	J	Southern Rhodesia	ZE1
Canada	VE	Java	PK	Spain	EA
Canal Zone	K5, NY	Jugoslavia	YT, YU	Sudan	ST
Cape Verde	CR4	Kenya	VQ4	Sumatra	PK
Ceylon	VS7	Latvia	YL	Surinam	PZ
Chile	CE	Liberia	EL	Straits Sts.	VS1
China	AC, XT, XU	Lithuania	LY	Sweden	SM
Colombian Rep.	HJ, HK	Luxembourg	LX	Switzerland	HB
Cook Islands	ZK	Macao	CR9	Syria	AR
Costa Rica	TI	Madagascar		Tahiti	F3
Cuba	CM	Madeira	CT3	Tanganyika	VQ3
Curacao	PJ	Malay States	VS2, VS3	Tibet	AC4
Czechoslovakia	OK	Martinique	F3	Transjordanian	ZC1
Danzig	YM	Mauritius	V8	Trinidad	VP4
Denmark	OZ	Mexico	X	Tunis	F4
Dominican Rep.	HI	Morocco	F8M	Turkey	TA
Dutch E. Indies	PK	Mozambique	CR7	Uganda	VQ5
Ecuador	HC	Netherlands	PA	United States	W
Egypt	SU	Newfoundland	VO	Uruguay	CX
Ellice Islands	VP1	New Caledonia		U. S. S. R.	U
Estonia	ES	New Hebrides	YJ	Venezuela	YV
Ethiopia (See Abyssinia)		New Zealand	ZL	Virgin Islands	K4
Fanning Island	VQ1	Nicaragua	YN	Zanzibar	VP1
Fiji Islands	VP1	Nigeria	ZD		
Finland	OH	Northern Ireland	GI		

PREFIXES BY CALLS

AC	China	J	Japan, Chosen (Korea)	VO	Newfoundland
AC4	Tibet	K4	††Porto Rico, ††Virgin Islands	VP1	††Ellice Islands, ††Fiji Islands,
AR	Syria	K5	+Canal Zone		*Zanzibar
CE	Chile	K6	††Guam, Hawaii, Samoa (U. S.)	VP4	†British Honduras, ††Trinidad
CM	Cuba	K7	Alaska	VP5	††Jamaica
CP	Bolivia	KA	Philippine Islands	VP6	††Barbados
CR4	*Cape Verde	LA	Norway	VP7	††Bahamas
CR5	*Portuguese Guinea	LU	Argentina	VP9	††Bermuda
CR6	*Angola	LX	Luxembourg	VQ1	††Fanning Island
CR7	*Mozambique	LY	Lithuania	VQ2	*Northern Rhodesia
CR8	Port. India	LZ	Bulgaria	VQ3	*Tanganyika
CR9	Macao	N	U. S. (Official)	VQ4	*Kenya
CR10	†Timor	NX	**Greenland	VQ5	*Uganda
CT1	Portugal	NY	†Canal Zone	VR	British Guiana (S. A.)
CT2	**Azores	OA	Peru	VS1, VS2, VS3	Malaya
CT3	**Madeira	OE	Austria	VS6	Hong Kong
CX	Uruguay	OH	Finland	VS7	**Ceylon
D	Germany	OK	Czechoslovakia	VU	India
EA	Spain	OM	††Guam	W	United States
EI	Irish Free State	ON	Belgium, *Congo	X	Mexico
EL	*Liberia	OZ	Denmark	XT, XU	China
EP, EQ	Persia	PA	Netherlands	YA	Afghanistan
ES	Estonia	PJ	††Curacao	YI	Iraq (Mesopotamia)
ET	*Ethiopia (Abyssinia)	PK	†Dutch East Indies (Java, Sumatra, etc.)	YJ	††New Hebrides
F	France, Algeria, *Morocco, ††Martinique, ††Tahiti	PY	Brazil	YL	Latvia
F4	Tunis	PZ	Surinam (Dutch Guiana)	YM	Danzig
F8	*Morocco	SM	Sweden	YN	†Nicaragua
FI	Fr. Indo-China	SP	Poland	YO thru YR	Roumania
G	Great Britain	ST	*Sudan	YS	†Salvador
GI	Northern Ireland	SU	*Egypt	YT, YU	Jugoslavia
HA	Hungary	SV	Greece	YV	Venezuela
HB	Switzerland	TA	Turkey	ZA	Albania
HC	Ecuador	TF	**Iceland	ZC	Transjordanian
HH	††Hayti	TG	*Guatemala	ZC6	Palestine
HI	††Dominican Rep.	TI	†Costa Rica	ZD	*Nigeria
HJ, HK	Colombian Rep.	TS	Saar	ZE1	*Southern Rhodesia
HP	†Panama	U	U. S. S. R. (Russia)	ZK	††Cook Islands
HR	†Honduras	V8	***Mauritius	ZL	††New Zealand
HS	Siam	VE	Canada	ZM	††Samoa (British)
HZ	Hedjaz	VK	Australia	ZP	Paraguay
I	Italy, *Libya, *Eritrea, *Somaliland			ZS, ZT, ZU	*Union of So. Africa

*Africa, **Atlantic Ocean, †Central America, ††West Indies, ‡East Indies, ††Pacific Ocean, ***Indian Ocean.

Grand Short Wave Station List

This grand list of short-wave stations, containing almost 8,500 listings, is the result of several years of patient effort, each station being represented by an individual card in a master card file. It has never appeared in print before. Only stations operating below 200 meters are listed. The star broadcasting, radiophone and experimental stations are not included in this list, as they are presented in detail in another part of this book.

Three-letter calls have been assigned to land stations, four-letter calls to ship and portable stations and five-letter calls to aircraft. If the short-wave listener will remember this method of classification he will be able to identify stations more

easily. It should be observed, of course, that ships have no definite location, the words following most of the four-letter calls being only the names of the vessels. The wavelengths are subject to considerable variation, but the figures given are the officially licensed assignments.

In order to save space, the names of various of the large license holders are abbreviated, as follows: R. C. A., Radio Corporation of America; M. R. T., Mackay Radio Telegraph; F. R. T., Federal Radio Telegraph; P. A. A., Pan-American Airways; W. A. E., Western Air Express; T. A. T., Transcontinental Air Transport; D. of C., Department of Commerce, etc.

K, N and W—UNITED STATES

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KAA	R. C. A., Manila, P. I.	56.11, 53.14, 26.55, 17.72	KDJY	Natchez	96.15, 71.09, 48.30, 48.23	KER	R. C. A., San Francisco, Cal.	28.84
KAL	Legaspi, P. I.	64.31, 50.34	KDKL	Camden		KES	R. C. A., Bolinas, Calif.	28.80
KAM	Pasay, P. I.	53.39, 46.5, 26.69	KDLB	Dollar SS. Pres. Hayes	35.50, 26.43, 18.18	KET	R. C. A., Bolinas, Calif.	31.65
KAQ	Manila R. R., Manila, P. I.	50.59	KDLP	Aldon		KEU	Aero Radio, Inc., Los Angeles, Calif.	94.9, 94.75, 94.57, 94.39, 53.86, 53
KAS	Surigao, P. I.		KDML	S. C. T. Doid				
KAW	Govt., Aparri, P. I.	62.96, 56.88, 45.45	KDMQ	Dollar SS. Pres. Harrison	54.3, 54, 45.52, 36.01, 27.15, 26.71, 18.09, 18.007, 13.57, 35.50, 28.43, 18.18	KEZ	R. C. A., Bolinas, Calif.	28.84
KAX	R. C. A., Manila, P. I.	15.95, 15.01				KFBD	Ar. W. K. Vanderbilt	54.3, 54, 36.19, 27.15, 27, 26.71
KAY	R. C. A., Manila, P. I.	20.03						
KAZ	R. C. A., Manila, P. I.	30.09, 30.03				KFD	Tonakee, Alaska	94.57
KBI	R. C. A., Manila, P. I.	14.19				KFE	Ponca City, Okla.	59.11, 61.8, 45.43
KBJ	R. C. A., Manila, P. I.	22.66	KDMR	U. S. Miller		KFEH	Seward	115
KBK	R. C. A., Manila, P. I.	44.84, 44.91	KDMW	Dollar SS. Pres. Hoover		KFF	Tex. & La., No. 13, Humble Oil	176.06
KBO	R. C. A., Manila, P. I.	58.31, 19.987	KDMX	Dollar SS. Pres. Coolidge				
KBQ	Govt., Manila, P. I.	50.59	KDN	D. of C., Rock Springs, Wyo.	89, 88.8, 50.51, 50.48, 50.42	KFG	Tex. & La., No. 14, Humble Oil	176.06
KBT	Manila R. R., Butuan, P. I.	62.83				KFHW	W. W. Horne, Poinsettia	37
KBY	Catabato, P. I.—200W	59.46	KDNY	Dollar SS. Pres. Pierce	54.3, 54, 45.52, 36.01, 27.15, 26.71, 18.09, 18.007, 13.57, 35.50, 26.43, 18.18	KFJD	M. & R. Lumber Co., Wader	129.3
KCAA	D. of C., Tulsa, Okla.	89.8, 89.55, 89, 51.50, 50.34				KFKW	Inland Waterways, Spray III	109.5
KCAC	D. of C., Butte, Mont.	89, 88.8, 50.59, 50.51	KDOT	Admiral Line, Pres. Jefferson	54.3, 54, 45.52, 36.01, 27.15, 26.71, 18.09, 18.007, 13.57	KFL	Light Co., Underwood, Wash.	94.9, 94.8, 94.6, 94.4, 94.2, 92.65, 92.5
KCAD	D. of C., Idaho Falls, Idaho	89, 89.11, 50.51, 50.36				KFLF	Rippers	54.3, 54, 36.19
KCAE	D. of C., Winslow, Ariz.	89, 88.3, 73.62, 50.51, 50.34	KDOZ	Dollar SS. Pres. Polk	54.3, 54, 45.52, 36.01, 27.15, 26.71, 18.09, 18.007, 13.57, 35.50, 26.43, 18.18	KFLT	Iowa	96.15, 71.94, 48.30, 48.23
KCAF	D. of C., Albuquerque, N. M.	89, 88.35, 50.51, 50.54				KFM	Amer. Radio, Inc., Sacramento, Calif.	94.9, 94.75, 94.57, 94.39, 53, 53.86
KCAG	Amarillo, Tex., 400W	88.37, 73.62, 50.55	KDPA	Pres. Jackson	96.15, 71.94, 48.30, 48.23	KFMC	Illinois	96.15, 71.94, 48.30, 48.23
KCAH	D. of C., Kingman, Ariz.	89, 88.8, 50.51, 50.31	KDQW	Cairo	96.15, 71.94, 48.30, 48.23	KFMD	Gulfport	96.15, 71.94, 48.30, 48.23
KCAI	D. of C., Waynoka, Okla.	89, 88.3, 73.98, 50.51, 50.34	KDQX	St. Louis	96.15, 71.94, 48.30, 48.23	KFME	Birmingham	96.15, 71.94, 48.30, 48.23
KCAJ	D. of C., Little Rock, Ark.	89.6, 89, 50.51, 50.34	KDRL	Dollar SS. Pres. Adams	54.3, 54, 45.52, 36.01, 27.15, 26.71, 18.09, 18.007, 13.57, 35.50, 26.43, 18.18	KFMJ	Mobile	96.15, 71.09, 48.30, 48.23
KCAK	D. of C., Shreveport, La.	100.00, 89, 88.63, 50.68, 50.54	KDRW	Dollar SS. Pres. Taft	35.50, 26.43, 18.18	KFD	Amer. Radio, Inc., Oakland, Calif.	120.87, 119.71, 94.9, 94.75, 94.57, 94.39, 72.74, 53.86, 53, 48.27
KCAL	Wilton, Ariz., 400W	101.4, 89.69, 87.98, 50.38, 37.04	KDSB	E. T. Bedford	96.15, 71.93, 48.30, 48.23	KFPA	Boston Fire Dept., F. A. Ring	187.9
KCAM	Tucson, Ariz., 400W	100.9, 89.69, 87.98, 50.38, 37.04	KDSC	Viicksburg	96.15, 71.93, 48.30, 48.23	KFPB	Matthew J. Boyle	192.55
KCAP	D. of C., Big Spring, Tex.	101.4, 89, 87.98, 50.51, 50.37	KDSL	Amer. Mail, Pres. McKinley	54.3, 13.357	KFPD	Boston Fire Dept., A. J. McDonald	187.9
KCAD	D. of C., El Paso, Tex.	100.8, 89, 87.98, 50.51, 50.37	KDSV	Dollar SS. Pres. Wilson	35.50, 26.43, 18.18	KFPI	Boston Fire Dept., J. P. Doud	187.9
KCQ	D. of C., St. Louis, Mo.	100.7, 89, 88.36, 50.51, 50.34	KDTC	Dollar SS. Pres. Garfield	35.50, 26.43, 18.18	KFPJ	Capt. J. W. McKee	87.7, 46.95
KCR	D. of C., Boise, Idaho	100.94, 89, 88.4, 50.63, 50.51	KDTF	Betty B.	54.3, 54, 38.01	KFKQ	Globe Radio, Guam	40.29, 20.15, 13.239
KCS	D. of C., Pasco, Wash.	89, 88.11, 50.51, 50.36	KDTM	American Legion		KFR	Light Dept., Seattle, Wash.	94.9, 94.8, 94.6, 94.4, 94.2, 92.65, 92.5
KCT	D. of C., Los Angeles, Calif.	89.6, 89, 50.68, 50.51	KDTZ	Munson, Southern Cross				
KCU	D. of C., Fresno, Calif.	89.6, 89, 50.68, 50.51	KDUT	Pres. Grant	54.2, 13.375	KFS	M. R. T. Co., Palo Alto, Calif.	96.61, 96.15, 54.35, 53.96, 36.23, 27.17, 24.15, 23.9, 18.116, 17.857, 13.73, 13.587
KCV	D. of C., Oakland, Calif.	89.4, 89, 50.59, 50.51	KDUY	Dollar SS. Pres. Lincoln	35.50, 26.43, 18.18	KFSX	Warrior	36.19, 35.50, 27.15, 27, 26.51, 22.66
KCX	D. of C., Medford, Ore.	89.6, 89, 50.68, 50.51	KDV	Ger. Exp. Co., 3rd Rdo. Zone, No. 40	176.06	KFT	Pacific Com. Co., Everett, Wash.	96.61, 96.15, 54.35, 36.23, 34.76, 34.72, 27.17
KCY	D. of C., Portland, Ore.	89.6, 89, 50.68, 50.51	KDVR	Amer. Mail, Pres. Madison	54.3, 13.357	KFTP	Catalina	129.3
KCZ	D. of C., Seattle, Wash.	89.6, 89, 50.68, 50.51	KDVX	Baton Rouge	96.15, 71.94, 48.30, 48.23	KFU	Alameda, Calif.	
KDA	D. of C., Maywood, Ill.	89, 88.8, 50.51, 50.42	KDYY	Memphis	96.15, 71.94, 48.30, 48.23	KFUH	Kaimiloa	54.3, 54, 36.19
KDAF	Coppenanie		KDZH	Munson SS. Munargo	54.3, 54, 45.52, 45.42, 36.19, 35.5, 27.15, 27, 22.66, 18.094	KFV	Los Angeles, Calif.	146.3
KDAH	United Fruit Co., Heredia	87.51, 54.3, 35.34, 26.71	KDWL	U. S. Steel, Steel Navigator	54.30	KFVM	Idalia	87.3, 72.3, 47.81, 23.4
KDAM	West of Noteis		KDWR	Invader		KFWJ	Gallavant	110
KDAQ	Sixatla		KDWS	Pres. Roosevelt		KFXT	Shadow K	54.3, 54, 35.5
KDC	Globe Wireless, Guam	96.61, 96.15, 72.89, 54.35, 46.88, 36.23, 34.56, 27.17, 26.6, 24.15, 24.01, 18.116, 17.921, 13.652, 13.587	KDWU	Fortuna	54.3, 54, 53.42, 45.52, 45.42, 36.19, 35.5, 27.15, 27.15, 27	KFY	Humble Oil, Tex. & La., No. 15	176.06
KDCA	Independence Hall		KDX	Ger. Exp. Co., 3rd Rdo. Zone, No. 39	176.06	KFYX	Seaborn	54.3, 36.19, 36.01, 27.15, 27, 26.71, 22.66, 18.09, 13.57
KDCK	United Fruit, La Perla	54.3, 45.2k, 36.01, 27.15, 26.71, 22.66, 18.094, 17.794	KEB	R. C. A., Bolinas, Calif.	40.71	KFZQ	Robador	
KDCM	Dollar SS. Pres. Cleveland	54.3, 54, 45.52, 36.01, 27.15, 26.17, 18.09, 18.007, 13.57, 35.50, 26.43, 18.18	KEE	R. C. A., Bolinas, Calif.	38.85	KFZT	Mizpab	36.19, 35.50, 27.15, 27
KDCR	Guirigua		KEFZ	States SS. Co., Texas	54.3, 35.50, 27.15, 26.71, 18.09, 18.007, 119.71, 99.7, 91.29, 71.63, 53.72, 50.08	KGA	Humble Oil, Tex. & La., No. 16	176.06
KDG	Press Wireless, Honolulu, T. H.	60.18, 56.76, 56.55, 40.87, 40.79, 40.71, 38.36, 38.29, 37.72, 19.21, 18.92, 15.51	KEG	Vancouver, Wash.		KGAA	Aras	36.19, 35.5
KDGN	Donna Lane	35.39	KEGF	City of Hamburg	54.3, 13.5	KGAT	J. H. Oberfelder, Marj. III.	53.42, 36.01
KDHF	Ger. Exp. Co., 3rd Rdo. Zone, No. 41	176.06	KEGS	Michigan	54, 27, 17.94, 45.52	KGAW	Haligomian	54.3, 54, 35.5
KDHL	Dollar SS. Pres. Van Buren	35.50, 26.43, 18.18	KEH	Borger, Tex.	59.11, 58.99, 51.9, 51.76, 51.63	KGBB	Ivaner	109.56
KDHL	Argosy	36.19, 36.01, 35.5, 27.15, 27, 26.71, 22.66, 18.094, 18.007, 17.794	KEI	R. C. A., Bolinas, Calif.	28.240	KGBJ	Trans. Co., John N. Stewart	109.5
KDK	Kuhufu, Hawaii, 80KW	39.89	KEJ	R. C. A., Bolinas, Calif.	33.29	KGBT	Enchantress	
			KEK	M. R. T., Hillsboro, Ore.	63.09, 54.3, 50.46, 45.73, 27.15, 26.50, 18.09, 13.85, 13.57	KGCW	Fan Kwai	109.5
			KEKL	Saguadre				
			KEL	R. C. A., Bolinas, Calif.	43.73			
			KEM	R. C. A., Bolinas, Calif.	19.36			
			KEN	R. C. A., Bolinas, Calif.	43.82			
			KEQ	R. C. A., Habukii, P. I.	44.56, 43.54			

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KGD	D. of C., Salt Lake City, Utah	89.3, 89, 50.68, 50.51, 50.48	KGPD	Police, San Francisco, Calif.	124.2			94.39, 94.26, 63.86, 53
KGDF	Ervin V.	110	KGPE	Police, Kans. City, Mo.	123.8	KGTP	Aero Radio, Inc.	105.12, 99.83, 55.79
KGDQ	Petaluma		KGPF	Police, Vallejo, Calif.	123.8	KGTV	Aero Radio, Inc.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63
KGDU	Four Winds	54.3, 36.19, 27.15, 22.66, 18.09, 17.79	KGPG	Police, Okla. City, Okla.	122.4	KGTR	Aero Radio, Inc.	97.3, 86.5, 54.44, 47.13, 37.43, 24.63
KGE	Aero Radio, Inc., Medford, Ore.	94.9, 94.76, 94.57, 94.39, 53.86, 53	KGPH	Police, Omaha, Nebr.	121.5	KGTS	Aero Radio, Inc.	97.3, 86.5, 54.44, 47.13, 37.43, 24.63
KGEB	Trans. Co., Milton Patrick	109.1	KGPI	Police, Beaumont, Tex.	175.15	KGTT	Aero Radio, Inc.	103.23, 97.63, 97.32, 97.15, 54.43, 54.15, 52.88, 52.7
KGEC	Trans. Co., D. M. Renton	109.5	KGPJ	Police, Sioux City, Ia.	121.5	KGTV	Aero Radio, Inc.	92.8, 53.20
KGEG	Northern Light	54.3, 54, 36.01, 22.66, 18.067	KGPK	Police, Los Angeles, Calif.	175.15	KGUA	Aero Radio, Inc., El Paso, Tex.	86.1, 53.57
KGF	Globe Wireless, Musselrich, Calif.	40.38	KGPL	Police, San Jose, Calif.	124.2	KGUB	Aero Radio, Inc., Houston, Tex.	128.97, 127.98, 72.46, 47.92, 47.8
KGFQ	A. & P., Nakan, No. 7	129.3	KGPM	Police, Duvenport, Ia.	121.5	KGUC	Aero Radio, Inc., San Antonio, Tex.	128.97, 127.08, 72.46, 47.92, 47.89
KGFZ	Yorela	109	KGPN	Police, Tulsa, Okla.	122.85	KGUE	Aero Radio, Inc., Brownsville, Tex.	128.97, 47.8
KGG	Globe Wireless, Musselrich, Calif.	40.29	KGPO	Police, Portland, Ore.	122.85	KGUF	Aero Radio, Inc., Dallas, Tex.	129.53, 127.33, 93.09, 92.8, 92.52, 92.9, 87.02, 86.77, 86.52, 86.08, 72.9, 53.55, 53.45, 53.26, 45.87, 45.8, 45.73, 37.43
KGGL	Iolanthe	129.8, 69.56, 34.76	KGPP	Police, Honolulu, Hawaii	122.95	KGUG	Aero Radio, Inc., Big Springs, Tex.	129.53, 127.33, 92.8, 92.52, 92.09, 87.02, 86.77, 86.52, 86.08, 72.9, 53.55, 53.45, 53.26, 45.87, 45.8, 45.73, 37.43
KGH	M. R. T. Co., Hillsboro, Cal.	96.61, 96.15, 68.17, 68.10, 68.03, 67.95, 54.34, 50.21, 48.31, 47.92, 27.17, 26.95, 18.116, 17.5, 13.777, 13.587	KGPR	Police, Fort Worth, Tex.	175.15	KGUH	Aero Radio, Inc., Waco, Tex.	128.97, 127.98, 72.46, 47.92, 47.89
			KGPS	Police, Bakersfield, Calif.	124.27	KGUI	Aero Radio, Inc., Fort Worth, Tex.	94.9, 94.75, 94.57, 94.39, 53.86, 53
KGJ	Globe Wireless, Calif.	31.88	KGPT	Police, Salt Lake City, Utah	121.5	KGUJ	Aero Radio, Inc., Burbank, Calif.	128.97, 127.98, 72.46, 47.92, 47.89
KGJB	Market Service, Indio	92.3, 70.67, 55.92, 34.05, 29.97	KGPU	Police, Denver, Colo.	123.8	KGUK	Aero Radio, Inc., Shreveport, La.	86.10, 53.20
KGJC	State Dept., Modesto, Calif.	92.3, 70.67, 55.92, 34.05, 29.97	KGQ	Police, Shreveport, La.	189.5	KGUL	Aero Radio, Inc., Abilene, Tex.	86.10, 53.29
KGJD	Market Serv., Fresno, Calif.	92.3, 70.67, 55.92, 34.05, 29.97	KGQJ	Police, Wichita, Kans.	122.4	KGUM	Aero Radio, Inc., Frijole, Tex.	128.97, 127.97, 86.10, 72.46, 53.29, 47.92, 47.80
KGJE	Pilot Assn., San Francisco, Calif.	122.6	KGQK	Dollar Co., San Francisco, Calif.	40.29, 31.88, 27.45, 20.15, 15.94, 13.21	KGUN	Aero Radio, Inc., Douglas, Ariz.	128.97, 127.98, 86.10, 72.46, 53.57, 53.29, 47.92, 47.80
KGJF	A. H. Bull, SS., Jeanette	129.3	KGQL	Einar Beyer America	123.55	KGUO	Aero Radio, Inc., Tucson, Ariz.	86.10, 53.26
KGJG	3rd Radio Zone, No. 47	176.06	KGQM	Inland W. W., James W. Good	87.7, 40.05	KGUP	Amer. Radio, Inc., Phoenix, Ariz.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGJH	3rd Radio Zone, No. 46	176.06	KGQN	Chieken of the Sea	54.3, 54, 36.19, 35.5, 27.15, 26.71, 22.66	KGUQ	Aero Radio, Inc., Indio, Calif.	128.97, 127.98, 86.10, 72.46, 53.28, 47.92, 47.80, 24.57
KGJI	Ger. Exp. Co., 3rd Radio Zone, No. 45	176.06	KGQO	Inland W. W., Patrick J. Hurley	87.7, 46.04	KGUR	Aero Radio, Inc., Burbank, Calif.	129.53, 127.83, 92.8, 92.52, 92.09, 87.02, 86.77, 86.52, 86.08, 72.9, 53.55, 53.45, 53.26, 45.87, 45.8, 45.73, 37.43
KGJJ	Ger. Exp. Co., 3rd Radio Zone, No. 44	176.06	KGQP	Freetas, Navigator	54.3, 36.19, 35.5	KGUS	Aero Radio, Inc., Blythe, Calif.	128.57, 127.08, 72.49, 47.92, 47.81
KGJK	Ger. Exp. Co., 3rd Radio Zone, No. 43	176.06	KGQR	Vileehl	54.3, 36.19, 35.5, 17.794	KGUT	Aero Radio, Inc., Robertson, Mo.	110.20 to 24.03
KGJL	Ger. Exp. Co., 3rd Radio Zone, No. 42	176.06	KGQS	Wm. J. Gaynor, City of N. Y. Silvern	187.9	KGUU	Aero Radio, Inc., Little Rock, Ark.	128.97, 47.8
KGJM	P. A. A., Brownsville, Tex.	72.74, 46.91, 112.7	KGQT	Tipperman	54.3, 27.15	KGUZ	Aero Radio, Inc., Ponca City, Okla.	94.9, 94.75, 94.54, 94.39, 94.26, 53.86, 53
KGJN	Police, Pasadena, Calif.	175.23	KGQU	Aero Radio, Inc., San Diego, Calif.	94.9, 94.75, 94.6, 94.39, 53.86, 53	KGV	Globe Wireless, Musselrich, Calif.	15.94
KGJO	Globe Wireless, Musselrich, Calif.	27.45	KGQV	Globe Wireless, Edmonds, Wash.	40.38, 40.29, 31.88, 27.45, 20.19, 20.15, 15.94, 13.25	KGVQ	Cont. Oil Co., No. 3	187.5, 181.6, 180.29, 178.6, 176.06
KGJP	Air Lines Santa Maria, Cal.	185.94, 127.98, 62.69	KGQW	Invincible	117.2	KGVV	Cont. Oil Co., No. 4	187.5, 181.6, 180.29, 178.6, 176.06
KGJQ	Forestry Div., Calif.	62.76, 34.97	KGRA	Inland W. W., Tennessee	96.21, 54.3, 54, 36.01	KGVW	Cont. Oil Co., No. 5	187.5, 181.6, 180.29, 178.6, 176.06
KGJR	Forestry Div., Wash.	62.76, 34.97	KGRE	Indiana	96.21, 54.3, 54, 36.01	KGVX	Cont. Oil Co., No. 6	187.5, 181.6, 180.29, 178.6, 176.06
KGJS	3rd Radio Zone, No. 48	176.06	KGRI	Louisiana	96.21, 54.3, 54, 36.01	KGVY	Nyae, Alaska	94.9
KGJT	3rd Radio Zone, No. 49	176.06	KGRL	St. Veromeia	54.3, 54, 36.01	KGWA	Cont. Oil Co., No. 7	187.5, 181.6, 180.29, 178.6, 176.06
KGJU	3rd Radio Zone, No. 50	176.06	KGRO	Santramaro	54.3, 54, 36.01	KGWB	E. R. P. I., Los Angeles, Cal.	193.65
KGKV	3rd Radio Zone, No. 51	176.06	KGRR	Santramaro	54.3, 54, 36.01	KGWC	Press Wireless, San Francisco, Calif.	63.83, 66.44
KGKZ	Humbolt Oil, No. 16	187.27, 176.47	KGRT	Parthenio S. S.	54.3 to 27.61	KGWD	Press Wireless, Dallas, Tex.	63.22
KGL	Globe Wireless, Musselrich, Calif.	20.19	KGRT	Pilot Ship, Adventuress, San Fran.	117.2	KGWE	Press Wireless, Kansas City, Mo.	60.30
KGM	Ketchikan, Alaska	129.3, 94.9	KGRT	Defender	54.3, 36.19, 35.50	KGWF	Press Wireless, Denver, Colo.	63.49
KGME	Texas, Ia. & Okla., Portable	175	KGRT	Dollar Co., Honolulu, T. H.	40.38, 40.39, 31.88, 27.45, 20.19, 20.15, 15.94, 13.25	KGWE	Press Wireless, Los Angeles, Calif.	60.66, 56.33
KGMF	Texas, Ia. & Okla., Portable	175	KGRT	Aero Radio, Inc.	97.7, 86.7, 47.24, 37.43, 24.63	KGWF	Minneapolis, Minn., 10W	60.79
KGMG	Texas, Ia. & Okla., Portable	175	KGRT	Aero Radio, Inc., Lordsburg, N. Mex.	120.87, 86.7, 52.72, 46.8	KGWF	Press Wireless, Seattle, Wash.	63.35
KGMH	Texas, Ia. & Okla., Portable	175	KGRT	Amer. Radio, Inc., Pueblo, Colo.	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.24, 37.43			
KGMI	Texas, Ia. & Okla., Portable	175	KGRT	Gulf Prod. Co., Portable	187.5, 181.6, 180.29, 178.6, 176.08			
KGMJ	Texas, Ia. & Okla., No. 7, Portable	175	KGRT	Aero Radio, Inc., Fresno, Calif.	94.85, 94.55, 53.835, 53.74, 52.98			
KGMK	Texas, Ia. & Okla., No. 8, Portable	175	KGRT	Aero Radio, Inc., Winslow, Ariz.	110.21, 109.72, 97.7, 97.53, 73.02, 54.15, 47.27, 37.43			
KGML	Texas, Ia. & Okla., No. 9, Portable	175	KGRT	Aero Radio, Inc., Texarkana, Ark.	129.53, 37.43			
KGMN	Texas, Ia. & Okla., No. 10, Portable	175	KGRT	Aero Radio, Inc., Watertown, S. Dak.	94.86, 94.56, 94.26, 53.83, 53.74, 52.98			
KGMO	Texas, Ia. & Okla., No. 11, Portable	175	KGRT	Aero Radio, Inc., Wichita, Kans.	97.71, 97.52, 54.15			
KGMP	Atlantic	54.3, 54, 39.19, 27.15, 27	KGRT	Aero Radio, Inc., Wichita, Kans.	94.9, 94.75, 94.54, 94.39, 92.26, 53.86, 53			
KGMQ	Patria	54.3, 54, 36.19, 27.15, 27	KGRT	Aero Radio, Inc., San Diego, Calif.	129.53, 37.43			
KGMR	F. F. F.	54.3, 54, 39.01, 27.15, 27	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.83, 53.74, 52.98			
KGMS	Wilm. Trans., Jimmie K.	118.85, 117.18, 115.65	KGRT	Aero Radio, Inc., Sioux Falls, S. Dak.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGMT	Western Radio Co., Crane, Tex.	59.11, 59.0, 58.99, 51.90, 51.76, 51.63	KGRT	Aero Radio, Inc., Salt Lake City, Utah	110.21, 109.72, 97.71, 97.52, 73.02, 54.15, 47.02, 37.43			
KGNB	Western Radio Co., Wink, Tex.	59.11, 58.99, 51.9, 51.76, 51.03	KGRT	Aero Radio, Inc., Las Vegas, Nev.	110.21, 109.72, 97.71, 97.52, 73.02, 54.15, 47.24, 37.43			
KGNC	Western Radio Co., Jal., N. Mex.	59.11, 58.99, 51.9, 51.76, 51.03	KGRT	Aero Radio, Inc., Kingman, Ariz.	110.21, 109.72, 97.71, 97.53, 73.02, 54.15, 47.24, 37.43			
KGND	Doris E.	129.31, 123.63	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGNE	Gulf Prod., Western States	176.06	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGNF	Brant	129.3, 54.3, 53.42	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGNG	Alaska Fisheries, Yes Bay	129.31	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGNH	Canadahta	118.85, 117.18, 116.09	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGNI	Wilmington, Trans., Listo	118.85, 117.18, 116.09	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGNJ	Listo	118.85, 117.18, 116.09	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGOK	Wilmington Trans. Co., Vivo	118.85, 117.18, 116.09	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGOL	F. P. C., No. 2	54.3, 54	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGOM	Zaea	36.19, 35.50, 27.15, 26.71, 22.66, 18.094	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGOR	David B.	94.22	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGOS	Honolulu, Hawaii	115.55, 105.12	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGOT	Mauna, Hawaii	115.55, 105.12	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGOU	Infanta		KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGOV	Police, Cedar Rapids, Ia.	121.5	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGOW	Alaska Fishing Co., Alaska	129.3, 94.75	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGPA	Police, Seattle, Wash.	124.2	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGPB	Police, Minneapolis, Minn.	124.2	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			
KGPC	Police, St. Louis, Mo.	122.24	KGRT	Aero Radio, Inc.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98			

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KGWH	Press Wireless, Salt Lake City, Utah	60.91	KHATH	P. A. A., NC 9151	130.32, 97.5, 72.74	KHIGT	Alaska Air, Ketehikan	96.58
KGWN	Lusitania	54.3, 54, 36.19	KHAXF	P. A. A., NC 231E	130.32, 97.5, 72.74	KHIHS	Northwest Air, NC 7523	
KGWT	Export SS. Co., Exealibur	54.3, 45.52, 36.10, 35.5, 27.15, 27, 22.66, 18.094	KHAYO	P. A. A., NC 8020	130.32, 97.5, 72.74	KHIKP	Pilgrim, NC 9A	96.62
KGWU	Rajo	54.3, 54, 45.21, 36.10, 36.01, 35.5, 27.15, 27	KHAXC	P. A. A., NC 395E	130.32, 97.5, 72.74	KHILO	Goodyear, NC 8A	96.62, 64.35
KGWV	Fox Films, Beverly Hills, Calif.	196.59	KHBAZ	Hoyt, NC 770	130.32	KHIMN	Inter. Island Air, Molokai	
KGWW	Fox Films, Beverly Hills, Calif.	193.30, 192.80	KHBBY	B. A. T., C 269	119.7, 71.62, 53.71	KHINM	So. Radio. Co., NC 23V	
KGWX	Alt. B. C. Co., Calif.	196.59	KHBCX	B. A. T., C 270	119.7, 71.62, 53.71	KHIOL	G. A. C. (Fokker) 242H	98.58
KGX	Dollar Co., Los Angeles, Calif.	40.38, 40.29, 31.88, 27.45, 20.19, 20.15, 15.94, 13.25	KHBEV	B. A. T., C 272	119.7, 71.62, 53.71	KHIRI	Thompson Air Co., NC 5999	96.58
KGXA	Mutual Tel., Okau Is., Hawaii	7.56	KHBFU	B. A. T., NC 1003	96.62, 94.86, 94.66, 91.23, 63.83, 53.74, 52.98	KHISH	Inter. Island Air, Maui	
KGXB	Mutual Tel., Okau Is., Hawaii	6.494	KHBGT	B. A. T., C 276	119.7, 71.62, 53.71	KHITG	Thompson Air, NC 9784	96.58
KGXC	Mutual Tel., Okau Is., Hawaii	8.02	KHBHS	B. A. T., C 277	119.7, 71.62, 53.71	KHIWO	Puritan, NC 7A	
KGXD	Mutual Tel., Okau Is., Hawaii	5.952	KHBIR	B. A. T., NC 10353		KHIYB	NC 740M	96.59
KGXE	Mutual Tel., Okau Is., Hawaii	8.52	KHBJQ	B. A. T., C 279	119.7, 71.62, 53.71	KHJAZ	B. A. T., C 183E	96.58, 95.48, 63
KGXF	Mutual Tel., Okau Is., Hawaii	7.177	KHBKP	B. A. T., C 281	119.7, 71.62, 53.71	KHJBY	B. A. T., C 415E	96.58, 95.48, 53
KGXG	Mutual Tel., Okau Is., Hawaii	5.682	KHBLA	B. A. T., NC 10354	See KHDDW	KHJJC	B. A. T., C 418E	96.58, 95.48, 53
KGXH	Mutual Tel., Okau Is., Hawaii	6.193	KHBMN	B. A. T., C 283	119.7, 71.62, 53.71	KHJJO	B. A. T., C 192E	96.58, 95.48, 53
KGXI	Mutual Tel., Maui Is., Hawaii	6.903	KHBNM	B. A. T., C 284	119.7, 71.62, 53.71	KHJJE	B. A. T., C 191E	96.58, 95.48, 53
KGXJ	Mutual Tel., Maui Is., Hawaii	7.371	KHBOL	B. A. T., C 285	119.7, 71.62, 53.71	KHJFU	B. A. T., C 7137	96.58, 95.48, 53
KGXK	Mutual Tel., Waikii, Hawaii	6.061	KHBQJ	B. A. T., C 287	119.7, 71.62, 53.71	KHJGT	B. A. T., C 7136	96.58, 95.48, 53
KGXL	Mutual Tel., Waikii, Hawaii	7.79	KHBRJ	B. A. T., C 288	119.7, 71.62, 53.71	KHJHS	B. A. T., C 7135	96.58, 95.48, 53
KGXM	Mutual Tel., Waikii, Hawaii	8.26	KHBVE	B. A. T., C 292	119.7, 71.62, 53.71	KHJIR	B. A. T., C 187E	96.58, 95.48, 63
KGXN	Mutual Tel., Molokai, Hawaii	5.814	KHBWD	B. A. T., NC 231		KHJJQ	B. A. T., C 189E	96.58, 95.48, 63
KGXO	Mutual Tel., Kalpa, Hawaii	6.34	KHBCX	B. A. T., NC 725W	96.59, 94.87, 53	KHJKP	B. A. T., C 190E	96.58, 95.48, 53
KGXP	Mutual Tel., Lanai Is., Hawaii	5.525	KHBYA	B. A. T., NC 228M		KHJLO	B. A. T., C 188E	96.58, 95.48, 53
KGXQ	Aero Radio, Inc., Mills Field, Calif.	32.5, 31.58, 29.72	KHBAZ	B. A. T., NC 10225M		KHJMM	B. A. T., C 185E	96.58, 95.48, 63
KGXS	Gulf Prod. Co., Portable, U. S. A.	187.5, 181.6, 180.29, 178.6, 178.08	KHCAZ	W. A. E., F 104	97.71, 96.58, 86.70, 47.24, 46.37	KHJOL	B. A. T., C 224M	96.58, 95.48, 63
KGXT	Gulf Prod. Co., Portable, U. S. A.	187.27, 176.47	KHCBY	W. A. E., F 105	97.71, 96.58, 86.70, 47.24, 46.37	KHJQJ	B. A. T., C 417E	96.58, 95.48, 63
KGXU	Port Armstrong, Alaska	94.39	KHCFU	W. A. E., F 109	97.71, 96.58, 86.70, 47.24, 46.37	KHJRI	B. A. T., NC 793K	96.59, 94.57, 53
KGXV	Kenni Kodiak, Alaska	101.82	KHCGT	W. A. E., F 110	97.71, 96.58, 86.70, 47.24, 46.37	KHJSH	B. A. T., NC 226M	96.59, 94.57, 63
KGXY	Gulf Prod. Co., Portable, U. S. A.	187.5, 181.6, 180.29, 178.6, 178.08	KHCHS	W. A. E., F 111	97.71, 96.58, 86.70, 47.24, 46.37	KHJTG	B. A. T., NC 227M	96.59, 94.57, 63
KGYA	D. of Int., Mt. Rainier, Wash.		KHCHQ	W. A. E., F 114	97.71, 96.58, 86.70, 47.24, 46.37	KHJUF	B. A. T., NC 842M	
KGYB	D. of Int., Mt. Rainier, Wash.		KHCKJ	W. A. E., F 115	97.71, 96.58, 86.70, 47.24, 46.37	KHJVE	B. A. T., NC 220M	96.58, 84.57, 68
KGYC	D. of Int., Mt. Rainier, Wash.		KHCKL	W. A. E., Fokker 2	97.71, 96.58, 86.70, 47.24	KHJWO	B. A. T., NC 229M	
KGYO	D. of Int., Mt. Rainier, Wash.		KHCKM	W. A. E., Fokker 3	97.71, 96.58, 86.70, 47.24	KHJXC	B. A. T., NC 232M	
KGYE	D. of Int., White River, Wash.		KHCKO	W. A. E., No. 401, W. A. E.	97.71, 96.58, 86.70, 47.24	KHJYB	B. A. T., C 7471	
KGYF	D. of Int., Carlton River, Wash.		KHCKP	W. A. E., No. 402, W. A. E.	97.71, 96.58, 86.70, 47.24	KHJZA	B. A. T., NC 234M	96.59
KGYH	D. of Int., Mt. Rainier, Wash.		KHCKQ	W. A. E., No. 51, W. A. E.	97.71, 96.58, 86.70, 47.24	KHK	Mutual Tel., Vieques Hawaii	54.3, 48.04, 18.009, 17.761
KGYI	D. of Int., Mt. Rainier, Wash.		KHCKR	W. A. E., No. 52, W. A. E.	97.71, 96.58, 86.70, 47.24	KHKIR	N. Y. R. B. A., X 657M	96.59
KGYJ	D. of Int., Mt. Rainier, Wash.		KHCKS	W. A. E., No. 53, W. A. E.	97.71, 96.58, 86.70, 47.24	KHKPK	N. Y. R. B. A., Trinidad	
KGYT	Tyce, Alaska	118.2	KHCKT	W. A. E., No. 54	97.71, 96.58, 86.70, 47.24	KHL	Mutual Tel., Waelich T. H.	52.45, 71.2
KGZ	Globe Wireless, Musselich, Calif.	13.216	KHCKU	W. A. E., No. 55	123	KHLA	P. A. T., C 178E	91.62, 94.88, 84.50, 94.26, 53.83, 63.74, 52.98
KGZA	Police, Fresno, Calif.	124.17	KHCKV	T. A. T., City of New York	123	KHLBY	P. A. T., C 179E	91.58, 95.48, 63
KGZB	Police, Houston, Tex.	175.23	KHCKW	T. A. T., City of Albuquerque	123	KHLOW	P. A. T., NC 741K	91.62, 94.86, 94.60, 94.26, 53.83, 63.74, 52.98
KGZC	Police, Topeka, Kans.	123.86	KHCKX	T. A. T., City of Washington	128	KHLMN	P. A. T., NC 431H	94.9, 84.75, 84.67, 94.39, 96.59, 94.9, 94.78, 94.57, 94.39, 96.59, A3
KGZD	Police, San Diego, Calif.	123.5	KHCKY	T. A. T., City of Wichita	128	KHLOL	P. A. T., NC 10348	
KGZE	Police, San Antonio, Tex.	119.71	KHCKZ	T. A. T., City of Los Angeles	128	KHLPK	P. A. T., NC 215M	
KGZF	Police, Chanute, Kans.	122.4	KHCKA	T. A. T., City of Indianapolis	128	KHLQJ	P. A. T., NC 584K	
KGZG	Des Moines, Ia.	121.5	KHCKB	T. A. T., City of Columbus	128	KHLSH	P. A. T., NC 435H	
KGZH	Phoenix, Ariz.	123.45	KHCKC	T. A. T., NC 9336	128	KHLTG	P. A. T., NC 437H	
KGZI	Salem, Ore.	122.85	KHCKD	T. A. T., City of St. Louis	128	KHLUF	P. A. T., NC 439 H	
KGZJ	Santa Barbara, Calif.	124.17	KHCKE	T. A. T., City of Philadelphia	128	KHLVE	P. A. T., NC 9553	
KGZK	Mealester, Okla.	122.4	KHCKF	T. A. T., NC 127W	128	KHLWD	P. A. T., NC 9655	
KGZL	Uyak, Alaska	123.55	KHCKG	T. A. T., NC 9385		KHLYB		
KHA	P. A. A., NC 9775	130.32, 97.5, 72.74	KHCKH	T. A. T., NC 9838		KHLZA	P. A. T., NC 1649	98.62, 94.88, 94.68, 84.23, 63.83, 58.74, 52.98
KHAZ	P. A. A., NC 9766	130.32, 97.5, 72.74	KHCKI	T. A. T., NC 9839		KHM	Mutual Tel., Libue T. H.	52.45, 71.2
KHADW	P. A. A., NC 9664	130.32, 97.5, 72.74	KHCKJ	T. A. T., NC 9839		KHMOW	T. A. T., NC 185H	
KHAEV	P. A. A., NC 454E	130.32, 97.5, 72.74	KHCKK	T. A. T., NC 9640		KHMEV	T. A. T., NC 725K	
KHAFU	P. A. A., C 268	119.7, 71.62, 53.71	KHCKL	T. A. T., NC 9640		KHMFU	T. A. T., NC 726K	
KHAHS	P. A. A., NC 9685	130.32, 97.5, 72.74	KHCKM	T. A. T., NC 8441		KHMGJ	T. A. T., NC 481H	
KHAIR	W. A. E., F 103	97.71, 96.58, 86.70, 47.24, 46.37	KHCKN	T. A. T., NC 8413	96.58	KHMHG	T. & W. A., NC 933Y	
KHAKP	P. A. A., NC 8000	130.32, 97.5, 72.74	KHCKO	Suburban Lines, NC 9157	96.58	KHMIJ	T. & W. A., NC 947V	
KHALO	P. A. A., NR 41 W		KHCKP	NC 800E	96.62	KHMKP	T. & W. A., NC 961Y	
KHAMN	P. A. A., American Clipper	97.71, 97.5, 52.72, 34.68	KHCKQ	NC 100K	96.62	KHMLA	T. & W. A., NC 989Y	
KHAMM	P. A. A., Caribbean Clipper	97.71, 97.5, 52.72, 34.68	KHCKR	N. Y. R. B. A., Havana	96.58	KHMMN	T. & W. A., NC 966V	
KHADL	P. A. A., NC 9701	130.32, 97.5, 72.74	KHCKS	N. Y. R. B. A., Cuba	96.58	KHMMN	T. & W. A., NC 985Y	
KHAPK	P. A. A., NC 8044	130.32, 97.5, 72.74	KHCKT	N. Y. R. B. A., San Juan	96.58	KHMDL	T. & W. A., NC 986Y	
KHAQJ	P. A. A., NC 9637	130.32, 97.5, 72.74	KHCKU	N. Y. R. B. A., Haiti	96.58	KHMPK	T. & W. A., NC 992Y	
KHARI	P. A. A., NC 9073	130.32, 97.5, 72.74	KHCKV	N. Y. R. B. A., Port of Spain	96.58	KHMJQ	T. & W. A., NC 993Y	
KHASH	P. A. A., NC 9107	130.32, 97.5, 72.74	KHCKW	P. A. A., NC 9137	130.32, 97.5, 72.74	KHMRI	T. & W. A., NC 994Y	
			KHCKX	P. A. A., NC 870M		KHN	Mutual Tel. Co., Lanai, Hawaii	52.44, 62.17
			KHCKY	P. A. A., NC 814H	112.70, 97.71, 96.58, 52.72	KHNAZ	N. A. T., NC 369N	96.58, 92.13, 62.68, 46.89
			KHCKZ	P. A. A., NC 9688	112.70, 97.71, 96.58, 62.72	KHNBY	Private, NR 914	Aloka
			KHCFU	P. A. A., NC 667M		KHNCX	Private, NC 447W	
			KHCGT	P. A. A., NC 142M	112.70, 97.71, 96.58, 62.72	KHNDW	Goodyear Resolute, NC 15 A	96.61
			KHCHS	P. A. A., NC 144M		KHNFU	Goodyear, NC 14A	96.62, 54.35
			KHCHQ	P. A. A., NC 146M		KHNIR	Alaska-Wash, Sitka	
			KHCKJ	P. A. A., NC 146M		KHNNM	C. A. T., NC 8486	96.58, 86.10, 53.67
			KHCKK	P. A. A., NC 146M		KHNNM	C. A. T., Naugatuck	96.58, 86.10, 53.67
			KHCKL	P. A. A., NC 300N	97.71	KHNDL	C. A. T., NC 9677	96.58, 86.10, 53.67
			KHCKM	P. A. A., NC 9670		KHNPJ	C. A. T., NC 9681	96.58, 86.10, 53.67
			KHCKN	P. A. A., NC 943M		KHNTG	Std. Oil, Calif., NC 233M	
			KHCKO	P. A. A., NC 668M		KHNVE	Bell Lab., NC 952V	96.59
			KHCKP	P. A. A., NC 669M		KHNWO	Bell Lab., NC 417H	96.59
			KHCKQ	S. A. T., NC 8381	98.58, 86.10, 53.57	KHO	Mutual Tel., Kaunakakai T. H.	52.45, 67.34, 71.2
			KHCKR	S. A. T., NC 489 E		KHDBY	W. A. E., No. 129M (400)	
			KHCKS	S. A. T., NC 581 K		KHOCX	W. A. E., NC 39N (117)	
			KHCKT	S. A. T., NC 651E		KHDDW	Std. Oil, Calif., NC 528M (121)	
			KHCKU	Univ. Air Lines, NC 801E		KHDEF	W. A. E., NC 99K X 214	103.23, 62.7
			KHCKV	S. A. T., NC 802E		KHDFU	W. A. E., NC 123M X 215	103.23, 52.7
			KHCKW	S. A. T., NC 9166		KHDGT	W. A. E., NC 122M X 210	103.23, 52.7
			KHCKX	S. A. T., NC 9167		KHOGS	W. A. E., NC 123M X 217	103.23, 52.7
			KHCKY	S. A. T., NC 9169		KHOIR	W. A. E., NC 126M X 218	103.23, 52.7
			KHCKZ	S. A. T., NC 9716		KHOJQ	W. A. E., NC 8011 X 211	103.23, 52.7
			KHCFU	Inter. Isl. Air, NC 305N	55.81, 45.39	KHOKP	W. A. E., NC 9724 X 212	103.23, 52.7
			KHCHS	U. A. C., NC 805E	86.58, 95.45, 53	KHOLO	W. A. E., NC 9789 X 213	103.23, 52.7
			KHCHQ	So. Radio, Corp.				
			KHCKJ	Goodyear, Rubber, Defender	96.62			
			KHCKK	S. R. C. Plane, NC 106N				

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KHP	Geo. Research Co., 5th Rdo. Zone	176.06	KHUCD	Penna. Air., NC 10822		KHY	Libby M., Niel Mauna, Hawaii	115.56
KHPAZ	Varney Air, NC 830M	96.59, A3	KHUED	Penna. Air., NC 10823		KHYAZ	P. A. A., NC 397H	177.72, 87.71, 62.72, 34.68
KHPBY	Varney Air, NC 831M	96.59, A3	KHUEV	Penna. Air., NC 10871		KHYBY	P. A. A., NC 400H	177.72, 97.71, 62.72, 34.68
KHPCX	Varney Air, NC 832M	96.59, A3	KHVEU	Ford Motor, NC 3141	96.59	KHYCX	P. A. A., NC 402H	177.72, 97.71, 52.72, 34.68
KHPDW	Varney Air, NC 833M No. 25	96.52, 94.86, 94.56, 94.29, 53.83, 53.74, 52.98		N. W. Air., NC 538E No. 24	105.11, 99.83, 98.61, 55.79	KHYDW	P. A. A., NC 403H	177.72, 97.71, 53.72, 34.68
KHPEV	Varney Air, NC 10340	96.59, A3	KHVGU	N. W. Air., NC 303N	96.59	KHYEV	P. A. A., NC 6853	177.72, 97.71, 53.72, 34.68
KHPGT	Varney Air, NC 10344	96.59, A3	KHVS	Cont. Oil Co., NC 430H		KHYFU	P. A. A., NC 7455	177.72, 97.71, 53.72, 34.68
KHPHS	Varney Air, NC 13049	96.59, A3	KHVIR	Nat. Pk. Air., NC 10356		KHYGT	P. A. A., NC 8039	177.72, 97.71, 53.72, 34.68
KHPIR	Varney Air, NC 10350	96.59, 94.9, 94.75, 94.57, 94.30, 53.80, 53	KHVJQ	Nat. Pk. Air., NC 326N		KHYH9	P. A. A., NC 8416	177.72, 97.71, 53.72, 34.68
KHPJQ	Varney Air, NC 10357 No. 32	See KHPOW	KHVJP	Nat. Pk. Air., NC 330N		KHYIR	P. A. A., NC 8417	177.72, 97.71, 53.72, 34.68
KHQAZ	U. A. L., NC 652E	96.59, 86.10, 53.57	KHVQJ	Nat. Pk. Air., NC 6709		KHYJQ	P. A. A., NC 9715	177.72, 97.71, 53.72, 34.68
KHQBY	U. A. L., NC 804E	96.59, 86.10, 53.57	KHVVM	Nat. Pk. Air., NC 6880		KHYLD	P. A. A., NC 9723	177.72, 97.71, 53.72, 34.68
KHQCX	U. A. L., NC 880E	96.59, 86.10, 53.57	KHVWN	Nat. Pk. Air., NC 7048		KHYMN	P. A. A., NC 9424	177.72, 97.71, 53.72, 34.68
KHQDW	U. A. L., NC 881E	96.59, 86.10, 53.57	KHVOL	N. W. Air., NC 7791 No. 21	105.11, 99.83, 88.61, 55.79	KHYNM	P. A. A., NC 9798	177.72, 97.71, 63.72, 34.68
KHRAZ	Amer. Air, NC 981E	96.59, 92.64, 86.10, 53.57, 53.29	KHVPL	N. W. Air., NC 537E No. 22		KHZ	Geo. Research Corp., 5th Rdo. Zone	176.06
KHRBY	Amer. Air, NC 408H	119.7, 96.58, 74.33	KHVQK	N. W. Air., NC 134E No. 23		KIAL	Libbyville, Alaska	94.22
KHRCX	Radio Marine Corp., NC 9779	96.63, 53.26	KHVRI	N. W. Air., NC 854E No. 25		KIAM	Libbyville, Alaska	A1-2-3 84
KHRDW	Amer. Air, NC 11170	96.63, 53.26	KHVSH	N. W. Air., NC 538H No. 27	105.11, 99.83, 88.61, 55.79	KIAD	Rose Inlet, Alaska	97.01
KHREV	Newspaper Calif., NC 11118	96.63, 53.26	KHVTG	N. W. Air., NC 7522 No. 28	105.11, 99.83, 96.61, 55.79	KIAP	Rose Inlet, Alaska	97.01
KHRFU	E. A. T., NC 985V	97.71, 97.5, 52.72	KHVUF	N. W. Air., NC 8122 No. 47	105.11, 99.83, 96.61, 55.79	KIAQ	Rose Inlet, Alaska	119.42
KHRGT	Natnl. Park Air, NC 841M	96.59	KHVVE	N. W. Air., NC 8410 No. 32	105.11, 99.83, 96.61, 55.79	KIAV	Port Althrop, Alaska	97.01
KHRSH	Amer. Air, NC 11167	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHVVD	N. W. Air., NC 8419 No. 33	105.11, 99.83, 96.61, 55.79	KIAW	Port Althrop, Alaska	97.01
KHRIR	Amer. Air, NC 9690	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHVXC	N. W. Air., NC 8794 No. 45	105.11, 99.83, 96.61, 55.79	KIB	Geo. Exp. Co., 3rd Rdo. Zone No. 38	176.08
KHRJQ	Amer. Air, NC 9682	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHYVB	N. W. Air., NC 9676 No. 34	105.11, 99.83, 96.61, 55.79	KIBC	Port Althrop, Alaska	119.42
KHRLD	D. of C., NS 1	96.59, 94.9	KHVZA	N. W. Air., NC 9933 No. 46	105.11, 89.83, 86.61, 55.79	KIBW	Union Bay, Alaska	91.88
KHRMN	Amer. Air., NC 9687	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHW	Geo. Research Corp., 5th Rdo. Zone	176.06	KIBX	Fishing Co., Union Bay, Alaska	129.3
KHRNM	Amer. Air, NC 9667	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWAZ	E. A. T., NC 626V	97.71, 97.5, 52.72	KIBY	Paeking Co., Waterfall, Alaska	91.88
KHRDL	Amer. Air, NC 707Y	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWBY	E. A. T., NC 727K	97.71, 97.5, 52.72	KIBZ	Fishing Co., Waterfall, Alaska	129.3
KHRPK	Amer. Air, NC 708Y	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWCX	E. A. T., NC 728K	97.71, 97.5, 52.72	KIC	Waterfall, Alaska	91.88
KHRQJ	Amer. Air, NC 709Y	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWDF	E. A. T., NC 585N	97.71, 97.5, 52.72	KICB	Geo. Exp. Co., 3rd Rdo. Zone No. 37	176.08
KHRSI	Amer. Air, NC 710Y	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWEV	E. A. T., NC 586N	97.71, 97.5, 52.72	KICD	Nakat Paeking, Hedden Inlet, Alaska	129.3
KHRSH	Amer. Air, NC 711Y	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWFU	E. A. T., NC 588N	97.71, 97.5, 52.72	KICE	Paeking Co., Nakem, Alaska	91.88
KHRTG	Amer. Air, NC 712Y	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWGT	E. A. T., NC 589N	97.71, 97.5, 52.72	KICF	Fishing Co., Nakem, Alaska	91.88
KHRUF	Amer. Air, NC 713Y	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWIR	E. A. T., NC 600V	97.71, 97.5, 52.72	KICG	Fishing Co., Union Bay, Alaska	89.15
KHRVE	Amer. Air, NC 714Y	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWJQ	E. A. T., NC 601U	97.71, 97.5, 62.72, A1-3	KICI	Libby, Honolulu, H. T.	105.12
KHRWD	D. of C., NS 1Y	96.59, 94.9, 50.47, 38.97	KHWKQ	E. A. T., NC 610H	102.67, 101.83, 100.47, 96.62, 53.07, 51.30	KICJ	Fishing Co., Mauna, Hawaii	105.12
KHRXC	D. of C., NS 2Y	96.59, 94.9, 50.47, 38.97	KHWL	E. A. T., NC 620V	97.71, 97.5, 52.72	KICL	Elwen Mile, Canyon, Colo.	94
KHRYB	Amer. Air, NC 968V	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWLN	E. A. T., NC 621U	97.71, 97.5, 52.72	KICD	Chatham, Alaska	94
KHRZA	Amer. Air, NC 997V	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWMN	E. A. T., NC 622U	97.71, 97.5, 52.72	KICE	Chatham, Alaska	118.2
KHS	Geo. Research Corp., 5th Rdo. Zone	176.06	KHWNL	E. A. T., NC 623U	97.71, 97.5, 52.72	KICF	Steamboat Bay, Alaska	94
KHSCX	N. A. T., NA 7 No. 90	96.59, 84.9	KHWOL	E. A. T., NC 624U	97.71, 97.5, 52.72	KICG	Steamboat Bay, Alaska	94
KHSDW	N. A. T., NA 7 No. 91	96.59, 84.9	KHWQJ	E. A. T., NC 625U	97.71, 97.5, 52.72	KICX	Denver, Colo.	94
KHSEV	N. A. T., NA 7 No. 72	96.59, 84.9	KHX	Los Angeles, Calif.	119.9	KICZ	Mutual Tel. Co., Honolulu, Hawaii	93.89, 93.02, 52.46, 52.17
KHSFU	N. A. T., NA 7 No. 84	96.59, 84.9	KHXAZ	Amer. Air., NC 9671		KIDA	Fire Dept., Seattle, Wash.	192.53
KHSGT	N. A. T., NA 7 No. 92	96.59, 84.9	KHXBY	Amer. Air., NC 8485		KIDB	Kassan, Alaska	97.01
KHSIR	N. A. T., NC 422H	96.59, 84.9	KHXCX	Amer. Air., NC 415H		KIDD	D. of Interior, California	97.01
KHSJQ	N. A. T., NA 7 No. 76	96.59, 84.9	KHXDW	Amer. Air., NC 412H		KIDE	Nakat Paeking, Hedden, La.	91.88
KHSKP	N. A. T., NA 7 No. 77	96.59, 84.9	KHXEV	Amer. Air., NC 732N	96.59, 92.64, 82.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDG	Alaska Paeking, Chomly, Alaska	119.41
KHSLD	N. A. T., NA 7 No. 74	96.59, 84.9				KIDH	Alaska Paeking, Chomly, Alaska	97.01
KHSMN	N. A. T., NC 426H	96.59, 84.9	KHXFU	Amer. Air., NC 733H	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDI	Alaska Paeking, Chomly, Alaska	97.01
KHSDL	N. A. T., NA 7 No. 88	96.59, 84.9	KHXGT	Amer. Air., NC 734H	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIOJ	Cape Chacon, Alaska	119.42
KHSPK	N. A. T., NA 7 No. 89	96.59, 84.9	KHXHS	Amer. Air., NC 735H	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDK	Cape Chacon, Alaska	97.01
KHSQJ	N. A. T., NA 7 No. 86	96.59, 84.9	KHXIR	Amer. Air., NC 736N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDL	Cape Chacon, Alaska	97.01
KHSRI	N. A. T., NA 7 No. 87	96.59, 84.9	KHXJQ	Amer. Air., NC 737N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDM	Warner Bros., various states	196.59
KHSSH	N. A. T., NC 11Y NA 7	103.24, 96.59, 97.64, 94.9, 96.62, 94.75, 97.32, 94.57, 97.15, 94.39, 52.89, 63.88, 62.71, 53	KHXKP	Amer. Air., NC 738N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDN	Warner Bros., various states	196.59
KHSTG	N. A. T., NC 436H	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHXLO	Amer. Air., NC 739N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDP	Warner Bros., various states	196.59
KHSUF	N. A. T., NC 9157 No. 113	See KHPDW	KHXMN	Amer. Air., NC 740N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 64.03, 53.57, 53.29	KIDS	Warner Bros., various states	196.59
KHSVE	N. A. T., NC 10355	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHXNM	Amer. Air., NC 741N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDT	Barrnlot, Ford Motor Co.	122.65
KHSWD	N. A. T., NC 10351	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHXOL	Amer. Air., NC 742N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDV	Bristol Bay, Alaska	94
KHSXC	N. A. T., NC 10352	96.59, 84.9, 94.78, 94.57, 94.39, 53.86, 53	KHXPK	Amer. Air., NC 10843	See KHTHS	KIDY	Paeking Co., Big Port, Alaska	94
KHSYB	N. A. T., NC 434H	96.59, 94.9, 94.75, 94.57, 94.35, 94.26, 53.86, 53	KHXQJ	Amer. Air., NC 10844	See KHTHS	KIEA	Paeking Co., Big Port, Alaska	119.42
KHTAZ	Alaskan Air., NC 153H	94.23, 53.37	KHXRI	Amer. Air., NC 10847	See KHTHS	KIEC	Port Alexander, Alaska	118.2
KHTBY	Alaskan Air., NC 154H	94.23, 53.37	KHXSH	Amer. Air., NC 10893	See KHTHS	KIF	Davar, P. I.	47.0
KHTCX	Alaskan Air., NC 174H	94.22, 53.57	KHXUF	Amer. Air., X 982M	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIFG	Great Towing Favorite	54.3, 63.42, 38.01
KHTHS	Amer. Air., NC 10804	96.62, 93.09, 92.8, 92.52, 92.09, 87.02, 86.52, 61.08, 61, 53.55				KIFN	Humrick, Ford Motor Co.	122.66
KHTIR	Amer. Air., NC 10810	See KHTHS	KHXWJ	Amer. Air., NC 10845	See KHTHS	KIGQ	Santa Elisa	
KHTJQ	Amer. Air., NC 10818	See KHTHS	KHXWO	Amer. Air., NC 484Y	96.62, 53.26	KIGR	Export S. S. Co., Exchange	
KHTKP	Amer. Air., NC 10840	See KHTHS	KHXXC	Amer. Air., NC 11119	96.62, 53.26	KIJ	Geo. Exp. Co., 3rd Rdo. Zone No. 36	176.08
KHTLD	Amer. Air., NC 10846	See KHTHS	KHXYB	Amer. Air., NC 11124	96.63, 53.26	KIJT	Buttercup, Ford Motor Co.	122.65
KHTMN	Amer. Air., NC 10891	See KHTHS	KHXZA	Amer. Air., 11 NC120	96.63, 53.26	KINB	Ogontz	
KHTNM	Amer. Air., NC 10894	See KHTHS				KID	R. C. A., Kabuko, T. H.	25.68
KHTOL	Amer. Air., NC 11153	See KHTHS				KIS	D. of C., Iowa City, Iowa	89.8, 89.7, 88, 60.68, 50.51
KHTPK	Amer. Air., NC 11155	See KHTHS				KIU	Guadalope, Calif.	107.01
KHTQJ	Amer. Air., NC 10814	96.62, 53.20				KIW	Zamboango, P. I.	50
KHTRI	Amer. Air., NC 10815	96.62, 53.20				KIXB	West Chiswald	
KHTSH	Amer. Air., NC 10858	96.62, 53.20				KJA	Humble Oil, Tex. and La. No. 17	176.08
KHTTG	Amer. Air., NC 10872	96.62, 53.20				KJC	Alaska Paeking, Rose Inlet, Alaska	129.3, 84.75
KHTUF	Amer. Air., NC 10892	96.62, 53.20				KJD	Humble Oil, Tex. and La. No. 13	176.06
KHTVE	Amer. Air., NC 12108	96.62, 53.20				KJE	Amer. Radio Inc., Reno, Nev.	120.87, 118.71, 94.8, 94.75, 94.57, 94.39, 72.74, 63.88, 68, 47.27
KHUAZ	B. A. Co., NC 10339	96.59, 94.9, 84.75, 94.57, 94.39, 63.86, 53				KJEU	Grace S. S., Santa Ana	54.3, 54, 36.19, 35.5, 27.15, 26.71, 22.68, 18.09, 18.007
KHUBZ	B. A. Co., C 875E	96.59, 94.9, 84.75, 94.57, 94.39, 63.86, 53				KJF	D. of C., Bellevue, Neb.	89.5, 89, 50.63, 50.51

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KJG	Texas Co., La., Miss. & Tex. No. 12.	176.06	KNC	Texas Co., La., Miss. & Tex., No. 15.	176.06	KQQ	R. C. A., Bolinas, Calif.	16.667
KJI	Bristol Bay, Alaska	129.3	KND	Texas Co., La., Miss. & Tex., No. 16.	176.06	KQH	R. C. A., Kahuku, T. H.	18.77
KJN	Geo. Exp. Co., La., Miss. & Tex., No. 2.	176.06	KNE	Texas Co., La., Miss. & Tex., No. 18.	176.06	KQJ	R. C. A., Bolinas, Calif.	16.61
KJO	Geo. Exp. Co., La., Miss. & Tex., No. 1.	176.06	KNF	Texas Co., La., Miss. & Tex., No. 19.	176.08	KQK	Oklahoma City, Okla.	89.6, 89, 50.51, 60.48, 50.34, 129.3
KJT	Geo. Exp. Co., La., Miss. & Tex., No. 3.	176.06	KNG	Portable, Calif.	51.69	KQL	Hidden Inlet, Alaska	129.3
KJTR	Manila, P. I.	24.4	KNI	Wilmington, Calif.	114.9	KQM	Aero Radio, Inc., Des Moines, Iowa	94.9, 94.75, 84.67, 94.39, 53.88, 63
KJW	Geo. Exp. Co., La., Miss. & Tex., No. 4.	176.06	KNK	M. R. T., Palo Alto, Calif.	43.64, 44.02, 39.19, 39.14, 21.49, 20.44, 20.39, 20.37, 20.35, 17.5, 15.97, 15.31, 15.25	KQP	Minneapolis, Minn.	97.7, 46.05
KJXR	Manila, P. I.	24.4	KNL	Geo. Exp. Co., 3rd Radio Zone, No. 21.	176.06	KQQ	Aero Radio, Inc., Iowa City, Iowa	94.9, 94.75, 84.67, 94.39, 63.86, 53
KJY	Geo. Exp. Co., La., Miss. & Tex., No. 5.	176.06	KNM	Geo. Exp. Co., 3rd Radio Zone, No. 20.	176.06	KQR	R. C. A., Bolinas, Calif.	16.630
KJZ	Cont. Oil, La., Miss. & Tex., No. 1.	178.08	KNN	M. R. T., Honolulu, T. H.	43.64, 39.14, 20.35, 20.33, 17.5, 15.30, 15.29	KQS	Lone Pine, Calif.	94
KKB	Globe Wireless, Sherwood, Calif.	96.61, 96.15, 72.89, 54.35, 48.31, 46.8, 36.23, 34.52, 27.17, 26.56, 24.15, 26.01, 18.116, 17.921, 13.652, 13.587	KNQ	Libby Fishing, Nushagak, Alaska	94.22	KQT	Market Service, Los Angeles, Calif.	94
KKC	Fed. T. & T., Palo Alto, Calif.		KNR	M. R. T., Clearwater, Calif.	96.61, 96.15, 68.17, 68.1, 68.03, 67.95, 54.35, 50.21, 44.02, 39.14, 36.23, 35.84, 27.17, 20.33, 20.31, 18.116, 17.857, 13.746, 13.587	KQX	Aero Radio, Inc., Bakersfield, Calif.	94.571, 63
KKD	Geo. Exp. Co., 3rd Rdo. Zone No. 35.	176.06	KNR	M. R. T., Clearwater, Calif.	96.61, 96.15, 68.17, 68.1, 68.03, 67.95, 54.35, 50.21, 44.02, 39.14, 36.23, 35.84, 27.17, 20.33, 20.31, 18.116, 17.857, 13.746, 13.587	KQY	R. C. A., Bolinas, Calif.	16.68
KKF	Geo. Exp. Co., 3rd Rdo. Zone No. 34.	176.06	KNS	Geo. Exp. Co., 3rd Radio Zone, No. 18.	176.06	KRA	Aero Radio Corp., Boise, Idaho	94.9, 94.75, 84.67, 94.39, 63.80, 63
KKH	R. C. A., Honolulu, Hawaii	40.45, 39.89	KNT	Geo. Exp. Co., 3rd Radio Zone, No. 17.	176.06	KRB	State Agric., Salinas, Calif.	92.3, 70.67, 65.92, 39.34, 39.27
KKJ	Fort Worth, Texas.	100.9, 89, 89.6, 50.51, 50.34, 19.386	KNU	Geo. Exp. Co., 3rd Radio Zone, No. 16.	176.06	KRC	D. of C., Parkville, Mo.	89.6, 89, 60.61, 60.34
KKL	R. C. A., Bolinas, Calif.	19.386	KNV	D. of C., Burley, Idaho	89.6, 89, 50.51, 50.35, 43.64, 17.91, 15.34	KRD	Aero Radio, Inc., Pasco, Wash.	94.9, 94.75, 94.39, 63.86, 63, 94.67
KKO	Aero Radio, Inc., Elko, Nev.	119.7, 99.7, 91.2, 71.6, 53.7, 50.08	KNW	M. R. T. Co., Palo Alto, Calif.	44.02, 39.19, 39.14, 21.49, 20.39, 20.37, 20.35, 17.5, 15.31, 14.03	KRF	Aero Radio, Inc., Lincoln, Neb.	94.9, 84.75, 94.67, 94.39, 53.86, 63
KKP	R. C. A., Kohuku, Hawaii	21.89, 18.71	KNWA	Aero Radio Corp., Minneapolis, Minn.	119.94, 99.86, 55.81	KRG	State Dept., San Francisco, Calif.	92.3, 70.67, 65.92, 50.46, 34.05, 26.87
KKQ	R. C. A., Bolinas, Calif.	25.10	KNWB	Aero Radio Co., Fargo, N. D.	111.94, 99.89, 55.18	KRJ	State Dept., Sacramento, Calif.	92.3, 70.67, 55.92, 34.05, 29.97
KKR	R. C. A., Bolinas, Calif.	19.40	KNWC	Aero Radio Corp., Pembina, N. D.	119.94, 99.86, 55.81	KRK	M. R. T. Co., Palo Alto, Calif.	
KKU	Geo. Exp. Co., 3rd Rdo. Zone No. 33.	176.06	KNWD	Aero Radio, Inc., Bismarek, N. D.	112.44, 112.27, 106.11, 99.83, 55.79	KRM	State Dept., Los Angeles, Calif.	92.3, 70.67, 65.82, 34.05, 29.97
KKV	Geo. Exp. Co., 3rd Rdo. Zone No. 32.	176.06	KNY	Geo. Exp. Co., 3rd Radio Zone, No. 12.	176.06	KRO	R. C. A., Honolulu, T. H.	51.33
KKW	R. C. A., Bolinas, Calif.	19.42	KNZ	Geo. Exp. Co., 3rd Radio Zone, No. 11.	176.06	KRP	Salt Lake City, Utah	49.5
KKX	Geo. Exp. Co., 3rd Rdo. Zone No. 31.	176.06	KOC	D. of C., Sacramento, Calif.	89.8, 89, 50.63, 50.51	KRR	Geo. Exp. Co., La. & Texas.	176.06
KKY	Geo. Exp. Co., 3rd Rdo. Zone No. 30.	176.06	KOD	Geo. Exp. Co., 3rd Radio Zone, No. 10.	176.06	KSA	Globe Wireless	54.3, 46.05, 34.76, 27.15, 18.09, 17.76
KKZ	R. C. A., Bolinas, Calif.	21.91	KOE	U. S. S. B., Bangau, Aero Radio, Inc., Cheyenne, Wyo.	120.87, 119.71, 94.9, 94.75, 94.57, 72.74, 63.86, 53, 48.27, 48.15	KSB	Edmonds, Wash.	96.61, 95.15, 72.89, 54.35, 48.31, 46.8, 34.52, 31.23, 27.17, 26.56, 24.15, 24.01, 18.116, 17.921, 13.652, 13.578
KLA	Humble Oil, Texas & La., No. 12.	176.06	KOF	Geo. Exp. Co., 3rd Radio Zone, No. 5.	176.06	KSC	Geo. Exp. Co., 3rd Radio Zone, No. 29.	176.06
KLC	Shell Co., Calif.	109.4	KOG	Tel. Co., Honolulu, T. H.	74.9, 71.2, 67.34, 51.37, 18.09, 17.75	KSE	R. C. A., Torrance, Calif.	96.81, 98.15, 64.86, 64.05, 36.23, 35.83, 27.17, 26.81, 24.16, 22.94, 18.118, 13.587, 13.468
KLE	Humble Oil, Tex. & La., No. 11.	176.06	KOK	Clearwater, Calif.	17.75	KSF	Ponca City, Okla.	187.7, 184.28, 178.99, 176.47
KLG	Humble Oil, Tex. & La., No. 9.	176.06	KOL	Geo. Exp. Co., 3rd Radio Zone, No. 4.	176.06	KSG	D. of C., Cheyenne, Wyo.	89.2, 89, 73.71, 50.52, 50.51
KLH	P. T. & T. Co., San Francisco, Calif.	118.01	KOM	D. of C., Elko, Nev.	89, 88.9, 50.51, 50.39	KSI	Aero Radio, Inc., Los Angeles, Calif.	110.3, 109.8, 103.23, 97.63, 97.32, 97.16, 72.99, 54.45, 62.88, 62.7, 46.08, 46.01, 46.86
KLI	Humble Oil, Tex. & La., No. 8.	176.06	KON	M. R. T., Clearwater, Calif.	Various	KSM	Globe Wireless, Los Angeles, Calif.	96.61, 96.15, 72.89, 54.35, 48.31, 46.8, 36.23, 34.52, 27.17, 26.56, 24.15, 24.1, 18.116, 18.09, 17.921
KLK	D. of C., Reno, Nevada.	89, 88.8, 50.68, 50.51, 50.36	KOP	Herman F. Whinton, Union Bay, Alaska	129.3	KSN	Police, Berkeley, Calif.	124.17
KLL	R. C. A., Bolinas, Calif.	21.85	KOS	Press Wireless, San Francisco, Calif.	63.24, 19.18, 19.07, 18.86	KSO	Aero Radio, Inc.	110.21, 109.72, 97.71, 97.53, 97.33, 72.02, 54.44, 54.15, 47.24, 47.13, 37.43
KLN	Mutual Tel., Hilo, T. H.	52.45, 72.39	KOT	Press Wireless, Los Angeles, Calif.	19.22, 19.15, 19.04, 18.89, 18.85	KSP	Aero Radio, Inc., Amarillo, Tex.	110.3, 109.8, 103.23, 97.63, 97.32, 87.15, 72.99, 54.15, 52.58, 62.7, 46.08, 46.01, 45.94
KLT	Humble Oil, Tex. & La., No. 10.	176.06	KOU	Geo. Exp. Co., 3rd Radio Zone Sou. Cal. Tel. Co.	115.83	KST	R. C. A., Bolinas, Calif.	14.40
KLU	Flagstaff, Ariz.	147	KOV	Wilmington, Calif.	115.83	KSV	Aero Radio, Inc., Kansas City, Mo.	110.21, 109.72, 97.71, 97.53, 97.33, 72.02, 54.44, 54.15, 47.24, 47.13, 37.43
KLV	Flagstaff, Calif.	147	KOW	P. T. & T. Co., Edmonds, Wash.	118.57	KSW	Aero Radio, Inc., Albuquerque, N. M.	46.08, 46.01, 45.94, 110.3, 109.8, 103.23, 97.63, 97.32, 97.15, 72.99, 54.45, 62.88, 62.7, 46.08, 46.01, 45.94
KLW	Port Althrop, Alaska		KPE	Harbor Dept., Seattle, Wash.	96.61, 96.15, 54.35, 48.31, 47.02, 36.23, 34.72, 27.17, 26.53, 18.116, 17.73	KSX	Aero Radio, Inc.	
KLY	Humble Oil, Tex. & La., No. 7.	176.06	KPG	Press Wireless, Los Angeles, Cal.	43.35, 39.35, 19.22, 19.18, 19.15, 19.11, 19.07, 19.04, 18.92, 18.86	KSY	Aero Radio, Inc., Tulsa, Okla.	97.7, 97.52, 97.33, 97.15, 86.7, 54.45, 54.15, 47.24, 37.43, 24.03
KMD	Humble Oil, Tex. & La., No. 6.	176.06	KPH	R. C. A., Bolinas, Calif.	54.3, 46.58, 33.59, 27.15, 23.96, 23.99, 18.10, 18.09, 13.67, 13.64	KSZ	McCarney, Texas	59.11, 59.0, 51.9, 48.05
KME	D. of C., Strell, Idaho.	89.6, 89, 50.51, 50.35	KPI	Cebu, P. I.	43.5	KTK	Globe Wireless, Musselrich, Calif.	96.61, 96.15, 72.89, 54.35, 48.31, 46.88, 36.23, 34.56, 27.17, 26.6, 24.15, 24.01, 18.116, 17.921, 13.877, 13.587
KMF	Egegik, Alaska	94.22	KPM	Hilo, P. I.	44	KTO	R. C. A., Manila, P. I.	27.5, 18.47
KMI	Humble Oil, Tex. & La., No. 5.	176.08	KQC	Amer. Radio, Inc., Rock Springs, Wyo.	94.9, 94.75, 94.57, 94.39, 53.86, 53	KTP	R. C. A., Manila, P. I.	37.59, 36.95
KML	Libby Fishing, Lockanok, Alaska	94.22	KQD	Amer. Radio, Inc., Salt Lake City, Utah	120.87, 119.71, 94.9, 94.73, 94.57, 94.39, 72.74, 53.86, 53	KTR	R. C. A., Manila, P. I.	27.5
KMM	R. C. A., Bolinas, Calif.	14.43						
KMN	San Francisco, Calif.	51.69						
KMP	Aero Radio, Inc., Omaha, Neb.	120.87, 119.71, 94.9, 94.75, 94.57, 94.39, 72.74, 53.86, 53, 48.27						
KMR	Aero Radio, Inc., North Platte, Neb.	94.9, 94.75, 94.57, 94.39, 53.89, 53						
KMS	Humble Oil, Tex. & La., No. 4.	176.06						
KMV	W. A. E. Bandini, Calif.	49.5						
KMX	Humble Oil, Tex. & La., No. 3.	176.06						
KMY	Humble Oil, Tex. & La., No. 2.	176.06						
KMZ	Humble Oil, Tex. & La., No. 1.	176.06						
KNA	M. R. T. Co., Palo Alto, Calif.	68.24, 68.14, 50.20, 50.147						
KNAS	Aero Radio, Inc., Kansas City, Mo.	94.9, 94.79, 94.57, 94.30, 53.86, 53						
KNAT	Aero Radio, Inc., Dallas, Texas	94.75, 94.57, 94.39, 53.89, 53						
KNAU	Aero Radio, Inc., Tulsa, Okla.	94.9, 94.75, 94.57, 94.39, 53.86, 53						
KNAV	Aero Radio, Inc., Oklahoma City, Okla.	A1-2-3, 94.9, 94.75, 94.57, 94.39, 53.86, 53						
KNB	Texas Co., La., Miss. & Tex., No. 5.	176.06						

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KTS	Govt. Toling, P. I.	42.8	KZCM	Govt., Manila, P. I.	50.98, 44.61	NAT	U. S. N., New Orleans, Fla.	74.42, 74.17, 67.64, 33.82
KTT	Drier Bay, Alaska.	86.55	KZCN	Cebu, P. I.	47	NATB	U. S. S., Antares	
KTU	Aero Radio, Inc., Redding, Calif.	94.9, 94.75, 94.57, 94.39, 53	KZCP	Manila, P. I.	62.83, 54.69, 44	NAU	U. S. N., San Juan, P. R.	73.62, 67.64
KTY	M. R. T., Manila, P. I.	53.72, 53.68, 50.21, 35.89, 26.84, 18.51, 17.89, 17.04	KZCR	Philippine Islands	64.3	NAV	U. S. M. C., Paris Is., S. C.	
KTZ	Naknek, Alaska	39.45	KZCB	Apo	54, 53, 36	NAVD	U. S. S., Wilmette	
KUFM	Steel Voyager		KZDD	Govt., Davao, P. I.	32.5	NAVX	U. S. S., Idaho	
KUG	Govt., Davao, P. I.	50.895	KZDV	Govt., Davao, P. I.	59.23, 59.02, 51.11, 43.6	NAVY	U. S. N., Guantanamo, Cuba	33.82
KUH	Manila, P. I.	54.01, 44, 27.0, 18.0	KZED	R. C. A., Manila, P. I.	27.5	NBA	U. S. N., Brownsville, Tex.	
KUI	Govt., Balanga, P. I.	60.55	KZEF	Atlantic Gulf	36	NBB	U. S. N., Balboa, C. Zone.	33.82, 9.202
KUKV	States, S. S. Co., California	54.3, 35.5, 27.15, 26.71, 18.09, 18.007, 16.51	KZEN	R. C. A., Manila, P. I.	15	NBC	U. S. N., Virgin Islands	
KUN	R. C. A., Bolinas, Calif.	16.51	KZFB	Goodyear Co., Kabasalar, P. I.	63.35	NBD	U. S. N., Cacao Isla., C. Zone.	
KUP	Newspaper, San Francisco, Calif.	53.71, 45.94, 39.45, 28.85, 18.23, 46.58, 35.93, 26.46, 17.964, 13.498	KZFC	Lumber Co., Ft. Lamon, P. I.	62.825	NBE	U. S. N., Bar Harbor, Maine	
KUS	Manila, P. I.	16.48	KZFD	Lumber Co., Lumarao, P. I.	170	NBF	U. S. N., Thatcher Is., Mass.	
KUU	Steamboat Bay, Alaska	24.43	KZFE	Lumber Co., Manila, P. I.	63.76, 60.06	NBJ	U. S. N., Oakland, Calif.	
KUV	Manila, P. I.	30.43	KZFF	Hilo, P. I.	61.80	NBD	U. S. N., St. Louis, Mo.	
KUW	Manila, P. I.	32.93	KZFG	Insular Govt., Milbuk, P. I.	63.35	NBP	U. S. N., New York, N. Y.	
KUX	Cavayan, P. I.	58.09	KZFH	Manila, P. I.	62.17	NBQ	U. S. N., Miami, Fla.	
KUZ	Dollar S. S. Co., Manila, P. I.	65.01, 53.97, 26.98, 17.99	KZFI	Sipaco, P. I.	62.17	NBU	U. S. N., Great Lakes, Ill.	
KVB	D. of C., Pacific Coast	Var.	KZFM	Manila, P. I.	61.42	NCG	U. S. N., Minneapolis, Minn.	
KVD	D. of C., Pacific Coast	Var.	KZFN	Manila, P. I.	61.42	NCQ	U. S. N., San Juan, P. R.	67.64, 33.82
KVE	D. of C., Pacific Coast	Var.	KZFO	Cebu, P. I.	61.42	NDA	U.S.N.R., Tufts College, Mass.	74.17, 40.45, 37.08
KVH	D. of C., Pacific Coast	Var.	KZFP	Davao, P. I.	61.42	NDB	U.S.N.R., New York, N. Y.	74.17, 40.45, 37.08
KVI	Kings Mill, Texas	Var.	KZFR	Manila R. R. Co., Naga, P. I.	63.38	NDC	U.S.N.R., Pittsburgh, Pa.	71.17, 40.45, 37.08
KVJ	D. of C., Pacific Coast	Var.	KZFS	Sumagui, P. I.	51.79	NDD	U.S.N.R., Pensacola, Fla.	74.17, 40.45, 37.08
KVK	D. of C., Pacific Coast	Var.	KZFT	Sumagui, P. I.	62.18	NDE	U.S.N.R., Norfolk, Va.	74.17, 40.45, 37.08
KVM	D. of C., North Platte, Neb.	89, 88.63, 88.1, 50.56, 50.51	KZFY	Manila Electric Co., Manila, P. I.	75.3	NDF	U.S.N.R., So. Manchester, Conn.	74.17, 40.45, 37.08
KVD	Amer. Radio, Inc., Portland, Ore.	94.9, 94.75, 94.57, 94.39, 53.86, 53	KZGZ	Botocan, P. I.	75.7	NDG	U.S.N.R., Balboa, C. Z.	74.17, 40.45, 37.08
KVP	Police, Dallas, Texas	175.23	KZGF	Radio Telephone Comm., Manila, P. I.	109.8, 52, 32.7	NDH	U.S.N.R., San Francisco, Calif.	74.17, 40.45, 37.08
KVR	W. A. E., Las Vegas, Neb.	40.48	KZGG	Radiophone Long Dist., Cebu, P. I.	106, 51.5, 33.6	NDJ	U.S.N.R., Atlanta, Ga.	74.17, 40.45, 37.08
KVT	Los Angeles, Calif.	147.6	KZGH	Radio Telephone Co., Hilo, P. I.	108.7, 51.77, 40.05	NDK	U.S.N.R., Baltimore, Md.	74.17, 40.45, 37.08
KVU	San Diego, Calif.	144.8	KZGI	R. C. P. I., Manila, P. I.	55.2, 55, 37.59, 31.72	NDL	U.S.N.R., Orlando, Fla.	74.17, 40.45, 37.08
KVUA	Lake Ormoc, Ford Motor Co.	54.3, 54, 36.01, 27.15, 27, 18.09, 18.07	KZGJ	R. C. P. I., Cebu, P. I.	50, 33.59, 33.53	NDM	U.S.N.R., Philadelphia, Pa.	74.17, 40.45, 37.08
KVV	Libby Fishing, Kogsiung, Alaska	94.22	KZGK	R. C. P. I., Hilo, P. I.	40.5	NDN	U.S.N.R., Washington, D. C.	74.17, 40.45, 37.08
KVW	Light Dept., Seattle, Wash.	94.22	KZGL	R. C. P. I., Zamboanga, P. I.	57.4, 33.52, 31.84	NDP	U.S.N.R., Oakland, Calif.	74.17, 40.45, 37.08
KWA	M. R. T. Co., Palo Alto, Calif.	39.15	KZGM	R. C. P. I., Davao, P. I.	56.5, 31.7	NDQ	U.S.N.R., Kansas City, Mo.	74.17, 40.45, 37.08
KWB	M. R. T. Co., Palo Alto, Calif.	38.75	KZGN	Cavayan, P. I.	40.54	NDR	U.S.N.R., Seattle, Wash.	74.17, 40.45, 37.08
KWC	M. R. T. Co., Palo Alto, Calif.	33.9	KZGO	Cavayan, P. I.	40.54	NDT	U.S.N.R., Winnetka, Ill.	74.17, 40.45, 37.08
KWD	M. R. T. Co., Palo Alto, Calif.	33.37	KZGP	R. C. P. I., Legaspi, P. I.	56.68, 43.35	NDU	U.S.N.R., San Diego, Calif.	74.17, 40.45, 37.08
KWE	R. C. A., Bolinas, Calif.	19.44	KZGQ	R. C. P. I., Cagayan, P. I.	57.90, 40.54	NDV	U.S.N.R., Jacksonville, Fla.	74.17, 40.45, 37.08
KWF	M. R. T. Co., Palo Alto, Calif.	27.73	KZIR	Portable, Los Angeles, Calif.	146.3	NDW	U.S.N.R., Los Angeles, Calif.	74.17, 40.45, 37.08
KWI	M. R. T. Co., Palo Alto, Calif.	27.55	KZIS	Govt., Hilo, P. I.	56.34	NDX	U.S.N.R., Cape Hatteras, N. C.	74.17, 40.45, 37.08
KWJ	M. R. T. Co., Palo Alto, Calif.	23.08	KZIT	Govt., Hilo, P. I.	63.76	NDZ	U.S.N.R., Baltimore, Md.	74.17, 40.45, 37.08
KWK	R. C. A., Bolinas, Calif.	20.35	KZJL	Aero Radio, Inc., Seattle, Wash.	94.9, 94.75, 94.57, 94.39, 55.1, 53.86	NEB	U.S.N.R., New Orleans, La.	74.17, 40.45, 37.08
KWM	M. R. T. Co., Palo Alto, Calif.	14.245	KZJM	Govt., Sago, P. I.	62.96	NEC	Airport, Panama Rep.	54.15, 32
KWN	A. T. & T., Dixon, Calif.	44.41, 32.72, 30.40, 20.56, 19.53, 19.46, 15.136, 14.245	KZJN	Govt., Luceana, P. I.	60.535, 51.61, 50.34	NEC	U. S. N., Santurce, P. R.	74.17
KWD	A. T. & T., Sacramento, Calif.	20.56, 19.53, 19.46, 15.136, 14.245	KZJO	Govt., Manila, P. I.	60.79, 51.11	NEC	U. S. N., Colorado	
KWP	M. R. T. Co., Palo Alto, Calif.	16.968	KZJP	Govt., Manila, P. I.	38.59	NEC	U. S. N., West Virginia	
KWQ	M. R. T. Co., Palo Alto, Calif.	16.429	KZJQ	Govt., Manila, P. I.	31.15	NEC	U. S. N., Charlotte, N. C.	
KWR	Port Muller, Alaska	51.02	KZJR	Govt., Manila, P. I.	42.89	NEFX	U. S. S., Northampton	
KWS	M. R. T. Co., Palo Alto, Calif.	14.032	KZJS	Govt., Manila, P. I.	52.5	NEJ	U. S. S., Ensenada, P. R.	37.08
KWT	M. R. T. Co., Palo Alto, Calif.	68.24, 68.1, 68.03, 67.95, 50.21, 17.5, 16.98	KZJT	Govt., Manila, P. I.	52.45	NEJX	U. S. S., Maysville, C. Z.	
KWV	Pacific Air T., Bakersfield, Calif.		KZJU	Waterfall, Alaska, P. I.	49.15, 107.1	NEK	U. S. S., Falcon	
KXB	Inglewood, Calif.		KZJV	Tolong, P. I.	63.76	NEK	U. S. S., Mississippi	
KXC	Alaska Fishing, Funtar, Alaska	129.3, 94.75	KZJW	Manila, P. I.	48.86, 31.35, 25.36	NEL	U. S. S., Lakehurst, N. J.	88.32
KXD	Ikatare, Alaska		KZJX	Govt., Aparri, P. I.	43.5	NELB	U. S. S., Sanctora	
KYB	Honolulu, Hawaii	94.9	KZJY	Govt., Legaspi, P. I.	62.95, 56.88	NEMC	U. S. S., Medusa	
KYG	Globe Wireless, Honolulu, Hawaii	96.61, 96.15, 72.81, 54.35, 48.31, 46.88, 36.23, 34.76, 34.56, 27.17, 26.6, 24.15, 24.01, 18.116, 18.09, 17.921, 13.587, 13.393	KZK	Govt., Surigao, P. I.	54.31, 50.34	NEMG	U. S. S., Shenk	
KYI	Kings Mills, Texas	59.11, 58.99, 51.9, 51.76, 51.63	KZKA	Govt., Teloban, P. I.	58.09	NEMJ	U. S. S., Herbert	
KYK	Karluk, Alaska	123.55, 94.39	KZKB	Govt., Leyte, P. I.	43.17	NEND	U. S. S., Bache	
KYM	Koichak, Alaska	86	KZKC	Govt., Sarnai, P. I.	59.94	NENM	U. S. S., Dallas	
KYU	Wichita Falls, Texas	59.11, 51.9, 51.64, 45.02	KZKD	Tolong, P. I.	42.8	NENP	U. S. S., Relief	
KYY	Los Angeles, Calif.	146.3	KZKE	Nushagak, Alaska	86	NEPX	U. S. S., Jasson	
KYZ	Libby Fishing, Kenai, Alaska	94.22	KZKF	Govt., Zamboanga, P. I.	32.15	NEQB	U. S. S., Langley	
KZA	Inglewood, Calif.		KZKG	Govt., Zamboanga, P. I.	48.54, 43.73	NEQC	U. S. S., Paducah	
KZAB	Manila R. R., Sumaar, P. I.	53.42	KZKH	Govt., Zamboanga, P. I.	63.36, 57.09, 50.55	NETC	U. S. S., Pittsburgh	
KZAC	Manila R. R., Bicol, P. I.	53.43	NAA	Arlington, Va.	74.72, 71.34, 67.64, 35.65, 33.82, 23.78, 22.54, 18.67, 17.8	NEVF	U. S. N., Vaga	
KZAM	Manila R. R., Noga, P. I.	53.42	NAB	U. S. N., Eastport, Me.		NEVJ	U. S. N., Sacramento	
KZAP	Mayon, P. I.	70.5, 36.01, 35.95, 27	NABD	U. S. S., Indianapolis		NEVN	U. S. S., New Mexico	
KZAR	Mindow	36	NABF	U. S. S., Ranger		NFB	U. S. N., Detroit, Mich.	
KZAV	Venus	36	NABJ	U. S. N., New Orleans, La.		NFD	U. S. N., Balboa, C. Z.	
KZAW	Kanban	54.3, 54, 36.01, 27.15, 18.094, 18.007	NAC	U. S. N., Portsmouth, N. H.		NFV	U. S. N., Quantico, Va.	88.32
KZAY	Florence D.	62.18	NACB	U. S. S., Portland		NHC	Darien, Canal Zone	53.57
KZB	Los Angeles, Calif.	44.03	NACD	U. S. S., Astoria		NHP	U. S. N., Honolulu, Hawaii	74.17, 18.54
KZBD	A. G. & P., Salvager	54, 53.71, 53.42, 53.14	NACF	U. S. S., Minneapolis		NIC	U. S. N., Honolulu, Hawaii	
KZBH	Bustamente	54.3, 53.05, 36	NACG	U. S. S., Arkansas		NID	U. S. N., Akron, Ohio	
KZBL	Manila R. R., Alabat	53.42	NACI	U. S. S., Arizona		NIDF	U. S. S., Augusta	
KZBR	Trabajador	35.97, 26.79	NACJ	U. S. S., Boston, Mass.		NIDN	U. S. S., Tennessee	
KZBT	Butuan, Alaska	42.9	NACK	U. S. S., Nevada	74.17	NIFT	U. S. S., Louisville	24
KZCB	Govt., Cebu, P. I.	54.59	NACL	U. S. S., Oklahoma		NIJ	U. S. S., Bobolink	
KZCC	Govt., Cebu, P. I.	43.17	NACM	U. S. S., New York		NIJQ	U. S. S., Utah	
KZCD	Govt., Cebu, P. I.	40.62	NACN	U. S. S., Texas		NIJX	U. S. S., Gannet	
KZCF	Govt., Cebu, P. I.	62.825, 64.79	NACD	U. S. S., Pennsylvania		NIKD	U. S. S., Rochester	
KZCG	Cagayan, P. I.	58.54	NACD	U. S. N., Newport, R. I.		NIKM	U. S. S., Lexington	
KZCK	Davao, P. I.	62.83, 54.79, 50	NACD	U. S. S., Dickerson		NIQF	U. S. S., Houston	
			NACD	U. S. S., Leary		NIQJ	U. S. S., Utah	
			NACD	U. S. S., California		NIQL	U. S. S., S. C.	
			NACD	U. S. S., Chester		NIRN	U. S. S., Wright	
			NACD	U. S. N., Squantum, Mass.		NIRR	U. S. S., Marblehead	
			NACD	U. S. S., Chicago		NIRS	U. S. S., Wilmington	
			NACD	U. S. N., New York, N. Y.		NIRT	U. S. S., Raleigh	
			NACD	U. S. N., Philadelphia, Pa.		NIRV	U. S. S., Concord	
			NACD	U. S. N., Annapolis, Md.		NIRX	U. S. S., Canopus	
			NACD	U. S. S., Dubuque		NISJ	U. S. S., Pensacola	
			NACD	U. S. N., Washington, D. C.		NISK	U. S. S., Salt Lake City	
			NACD	U. S. N., Norfolk, Va.	86.32	NISL	U. S. S., Omaha	
			NACD	U. S. N., Cape Lookout, N. C.		NISM	U. S. S., Milwaukee	
			NACD	U. S. N., Charleston, S. C.		NISN	U. S. S., Cincinnati	
			NACD	U. S. S., Seattle		NISP	U. S. S., Detroit	
			NACD	U. S. S., Hawk		NISQ	U. S. S., Richmond	
			NACD	U. S. N., Jupiter, Fla.		NISR	U. S. S., Trenton	
			NACD	U. S. N., Key West, Fla.	74.42, 67.64, 33.82	NISS	U. S. S., Memphis	
			NACD	U. S. S., Maryland		NISX	U. S. S., Argonne	
			NACD	U. S. N., Pensacola, Fla.		NITR	U. S. S., Wyoming	
			NACD			NKFR	U. S. N., Radio Lab., Anacostia, D. C.	
			NACD			NMC	U.S.C.G., Point Bontin, Calif.	121.6, 113.1, 112, 111, 74.07
			NACD			NMF	U.S.C.G., Nahant, Mass.	121.6, 113.1, 112, 111, 110.9, 74.04

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
NMG	U.S.C.G., Mobile, Ala.	121.6, 113.1, 112, 111, 74.07	NRHV	U.S.C.G., C.G. 119.		NRRL	U.S.C.G., C.G. 197.	
NMH	U.S.C.G., Washington, D. C.		NRHW	U.S.C.G., C.G. 120.		NRRL	U.S.C.G., C.G. 198.	
NML	U.S.C.G., Sault Ste. Marie, U. S.	121.6, 113.1, 112, 111, 110.9, 77.04	NRHX	U.S.C.G., C.G. 121.		NRRL	U.S.C.G., C.G. 199.	
NMN	U.S.C.G., Cape Henry, Va.	121.6, 113.1, 112, 111, 110.9, 74.07	NRHY	U.S.C.G., C.G. 122.		NRRL	U.S.C.G., C.G. 200.	
NMV	U.S.C.G., Ft. Lauderdale, Fla.	121.6, 113.1, 112, 111, 74.07	NRIZ	U.S.C.G., C.G. 123.		NRRL	U.S.C.G., C.G. 201.	
NMW	U.S.C.G., Port Townsend, Wash.	121.6, 113.1, 112, 111, 74.07	NRJA	U.S.C.G., C.G. 124.		NRRL	U.S.C.G., C.G. 202.	
NMY	U.S.C.G., Rockaway, N. Y.	121.6, 113.1, 112, 111, 74.07	NRJB	U.S.C.G., C.G. 125.		NRRL	U.S.C.G., C.G. 203.	
NOA	U.S.C.G., Staten Is., N. Y.		NRJC	U.S.C.G., C.G. 126.		NRRL	U.S.C.G., C.G. 204.	
NOB	U.S.C.G., Buffalo, N. Y.	110.9	NRJD	U.S.C.G., C.G. 127.		NRRL	U.S.C.G., C.G. 205.	
NOC	U.S.C.G., Barataria, La.		NRJE	U.S.C.G., C.G. 128.		NRRL	U.S.C.G., C.G. 206.	
NOE	U.S.C.G., Bloek Is., R. I.		NRJF	U.S.C.G., C.G. 129.		NRRL	U.S.C.G., C.G. 207.	
NOF	U.S.C.G., St. Petersburg, Fla.	121.6, 113.1, 112, 111, 110.9, 74.04	NRJG	U.S.C.G., C.G. 130.		NRRL	U.S.C.G., C.G. 208.	
NOG	U.S.C.G., Gloucester, Mass.		NRJH	U.S.C.G., C.G. 131.		NRRL	U.S.C.G., C.G. 209.	
NOH	U.S.C.G., Charleston, N. C.		NRJI	U.S.C.G., C.G. 132.		NRRL	U.S.C.G., C.G. 210.	
NOI	U.S.C.G., Biloxi, Miss.		NRJJ	U.S.C.G., C.G. 133.		NRRL	U.S.C.G., Champlain.	
NOJ	U.S.C.G., San Pedro, Calif.	121.6, 113.1, 112, 111, 110.9, 74.04	NRJK	U.S.C.G., C.G. 134.		NRRL	U.S.C.G., Chelan.	
NOK	U.S.C.G., Anacostia, Wash.		NRJL	U.S.C.G., C.G. 135.		NRRL	U.S.C.G., Tahoe.	
NOL	U.S.C.G., Port Angeles, Wash.		NRJM	U.S.C.G., C.G. 136.		NRRL	U.S.C.G., Mendota.	
NOM	U.S.C.G., Miami, Fla.		NRJN	U.S.C.G., C.G. 137.		NRRL	U.S.C.G., Tampa.	
NOO	U.S.C.G., San Diego, Calif.		NRJO	U.S.C.G., C.G. 138.		NRRL	U.S.C.G., Haida.	
NOQ	U.S.C.G., Woods Hole, Mass.		NRJP	U.S.C.G., C.G. 139.		NRRL	U.S.C.G., Isasa.	
NOE	U.S.C.G., Fernandina, Fla.		NRJQ	U.S.C.G., C.G. 140.		NRRL	U.S.C.G., Saranac.	
NDR	U.S.C.G., Cleveland, Ohio.		NRJR	U.S.C.G., C.G. 141.		NRRL	U.S.C.G., Northland.	
NDU	U.S.C.G., New London, Conn.	121.6, 113.1, 112, 111, 110.9, 74.07	NRJS	U.S.C.G., C.G. 142.		NRRL	U.S.C.G., Mojave.	
NOV	U.S.C.G., Cape May, N. J.		NRJT	U.S.C.G., C.G. 143.		NRRL	U.S.C.G., Pontchartrain.	
NOY	U.S.C.G., Galveston, Tex.		NRJU	U.S.C.G., C.G. 144.		NRRL	U.S.C.G., Modoc.	
NOZ	U. S. S., S. C. 412.		NRJV	U.S.C.G., C.G. 145.		NRRL	U.S.C.G., Sebago.	
NPA	U. S. N., Cordova, Alaska.	68.42, 34.2, 13.68, 12.27	NRJW	U.S.C.G., C.G. 146.		NRRL	U.S.C.G., Cayuga.	
NPC	U. S. N., Puget Sound, Wash.	68.38, 34.20, 13.68	NRJX	U.S.C.G., C.G. 147.		NRRL	U.S.C.G., C.G. 211.	
NPG	U. S. N., San Francisco, Calif.	70.84, 69.85, 68.38, 35.93, 34.90, 23.88, 11.64, 8.731	NRJY	U.S.C.G., C.G. 148.		NRRL	U.S.C.G., C.G. 212.	
NPL	U. S. N., San Diego, Calif.	99.83, 68.38, 34.2, 13.68, 11.64	NRJZ	U.S.C.G., C.G. 149.		NRRL	U.S.C.G., C.G. 213.	
NPM	U. S. N., Honolulu, Hawaii.	13.68, 9.271	NRKA	U.S.C.G., C.G. 150.		NRRL	U.S.C.G., C.G. 214.	
NPN	U. S. N., Guam.	73.62, 67.63, 37.08, 35, 33.81, 16.91, 12.36, 12.31	NRKB	U.S.C.G., C.G. 151.		NRRL	U.S.C.G., C.G. 215.	
NPO	U. S. N., Cavite, P. I.	73.62, 67.64, 66.3, 33.81, 33.15, 22.54, 13.26, 9.4, 8.287	NRKC	U.S.C.G., C.G. 152.		NRRL	U.S.C.G., C.G. 216.	
NPP	U. S. N., Peking, China.	73.62, 67.63, 33.81	NRKD	U.S.C.G., C.G. 153.		NRRL	U.S.C.G., C.G. 218.	
NPQ	U. S. N., St. Paul Prebiloi Is.	68.38, 34.2, 13.68	NRKE	U.S.C.G., C.G. 154.		NRRL	U.S.C.G., C.G. 219.	
NPU	U. S. N., Tutuila, Samoa.	68.39, 34.2, 13.68	NRKF	U.S.C.G., C.G. 155.		NRRL	U.S.C.G., C.G. 220.	
NRFC	U.S.C.G., Redwing.		NRKG	U.S.C.G., C.G. 156.		NRRL	U.S.C.G., C.G. 221.	
NRGC	U.S.C.G., Gresham.		NRKH	U.S.C.G., C.G. 157.		NRRL	U.S.C.G., C.G. 222.	
NRGO	U.S.C.G., Ossipee.		NRKI	U.S.C.G., C.G. 158.		NRRL	U.S.C.G., C.G. 223.	
NRHQ	U.S.C.G., Tuscarora.		NRKJ	U.S.C.G., C.G. 159.		NRRL	U.S.C.G., C.G. 224.	
NRIC	U.S.C.G., Seneca.		NRKK	U.S.C.G., C.G. 160.		NRRL	U.S.C.G., C.G. 225.	
NRID	U.S.C.G., Unalga.		NRKL	U.S.C.G., C.G. 161.		NRRL	U.S.C.G., C.G. 226.	
NRIF	U.S.C.G., Tallapoosa.		NRKM	U.S.C.G., C.G. 162.		NRRL	U.S.C.G., C.G. 228.	
NRIG	U.S.C.G., Seminole.		NRKN	U.S.C.G., C.G. 163.		NRRL	U.S.C.G., C.G. 229.	
NRIL	U.S.C.G., Yamacraw.		NRKO	U.S.C.G., C.G. 164.		NRRL	U.S.C.G., C.G. 231.	
NRIM	U.S.C.G., Cassin.		NRKP	U.S.C.G., C.G. 165.		NRRL	U.S.C.G., C.G. 232.	
NRIN	U.S.C.G., Conyngham.		NRKQ	U.S.C.G., C.G. 167.		NRRL	U.S.C.G., C.G. 233.	
NRIO	U.S.C.G., Davis.		NRKR	U.S.C.G., C.G. 168.		NRRL	U.S.C.G., Corwin.	
NRIP	U.S.C.G., Hunt.		NRKS	U.S.C.G., Arcata.		NRRL	U.S.C.G., Dallas.	
NRIS	U.S.C.G., Wilborn C. Wood.		NRKT	U.S.C.G., Cygan.		NRRL	U.S.C.G., Eagle.	
NRIT	U.S.C.G., Herndon.		NRKU	U.S.C.G., Cook.		NRRL	U.S.C.G., Dexter.	
NRIV	U.S.C.G., McDougal.		NRKV	U.S.C.G., A.B. 9.		NRRL	U.S.C.G., Forward.	
NRIZ	U.S.C.G., G. E. Badger.		NRKW	U.S.C.G., Oस्प्रे.		NRRL	U.S.C.G., Gallatin.	
NRJA	U.S.C.G., Porter.		NRKY	U.S.C.G., Timrod.		NRRL	U.S.C.G., Mahoning.	
NRJB	U.S.C.G., Abel P. Upshur.		NRKZ	U.S.C.G., Smith.		NRRL	U.S.C.G., Nansemond.	
NRJC	U.S.C.G., Shaw.		NRLA	U.S.C.G., C.G. 925.		NRRL	U.S.C.G., Naugatuck.	
NRJD	U.S.C.G., Tucker.		NRLB	U.S.C.G., Active.		NRRL	U.S.C.G., Patriot.	
NRJE	U.S.C.G., Wilkes.		NRLC	U.S.C.G., Agassiz.		NRRL	U.S.C.G., Perry.	
NRJF	U.S.C.G., Wainwright.		NRLD	U.S.C.G., Antietam.		NRRL	U.S.C.G., Petrel.	
NRJG	U.S.C.G., Acushnet.		NRLE	U.S.C.G., Boutwell.		NRRL	U.S.C.G., Wolcott.	
NRJH	U.S.C.G., Cahokia.		NRLF	U.S.C.G., Cartigan.		NRRL	U.S.C.G., C.G. 233.	
NRJI	U.S.C.G., Apache.		NRLG	U.S.C.G., Cahoon.		NRRL	U.S.C.G., C.G. 234.	
NRJJ	U.S.C.G., Carrahasset.		NRLH	U.S.C.G., Crawford.		NRRL	U.S.C.G., C.G. 235.	
NRJK	U.S.C.G., Kickapoo.		NRLI	U.S.C.G., Cuyahoga.		NRRL	U.S.C.G., C.G. 236.	
NRJL	U.S.C.G., Manhattan.		NRLJ	U.S.C.G., Diligence.		NRRL	U.S.C.G., C.G. 237.	
NRJM	U.S.C.G., Mascoutin.		NRLK	U.S.C.G., Dix.		NRRL	U.S.C.G., C.G. 241.	
NRJN	U.S.C.G., Pamlico.		NRLL	U.S.C.G., Faunce.		NRRL	U.S.C.G., C.G. 242.	
NRJO	U.S.C.G., Pequot.		NRLM	U.S.C.G., Frederick Lee.		NRRL	U.S.C.G., C.G. 243.	
NRJP	U.S.C.G., Shawnee.		NRLN	U.S.C.G., General Greene.		NRRL	U.S.C.G., C.G. 244.	
NRJQ	U.S.C.G., Snohomish.		NRLO	U.S.C.G., Harriet Lane.		NRRL	U.S.C.G., C.G. 246.	
NRJR	U.S.C.G., Tamasoa.		NRLP	U.S.C.G., Jackson.		NRRL	U.S.C.G., C.G. 247.	
NRJS	U.S.C.G., Saukee.		NRLQ	U.S.C.G., Kimball.		NRRL	U.S.C.G., C.G. 250.	
NRJT	U.S.C.G., Aurora.		NRLR	U.S.C.G., Legare.		NRRL	U.S.C.G., C.G. 251.	
NRJU	U.S.C.G., Argo.		NRLS	U.S.C.G., Marion.		NRRL	U.S.C.G., C.G. 252.	
NRJV	U.S.C.G., Calypso.		NRLT	U.S.C.G., Nemaha.		NRRL	U.S.C.G., C.G. 253.	
NRJW	U.S.C.G., Daphne.		NRLU	U.S.C.G., Pulaski.		NRRL	U.S.C.G., C.G. 254.	
NRJX	U.S.C.G., Hermes.		NRLV	U.S.C.G., Reliance.		NRRL	U.S.C.G., C.G. 255.	
NRJY	U.S.C.G., Icarus.		NRLW	U.S.C.G., Rush.		NRRL	U.S.C.G., C.G. 256.	
NRJZ	U.S.C.G., Perseus.		NRLX	U.S.C.G., Tiger.		NRRL	U.S.C.G., C.G. 257.	
NRKA	U.S.C.G., Thetis.		NRLY	U.S.C.G., Travis.		NRRL	U.S.C.G., C.G. 258.	
NRKB	U.S.C.G., C.G. 100.		NRMZ	U.S.C.G., Vigilant.		NRRL	U.S.C.G., C.G. 259.	
NRKC	U.S.C.G., C.G. 101.		NRNA	U.S.C.G., Woodbury.		NRRL	U.S.C.G., C.G. 260.	
NRKD	U.S.C.G., C.G. 102.		NRNB	U.S.C.G., Yeaton.		NRRL	U.S.C.G., C.G. 261.	
NRKE	U.S.C.G., C.G. 103.		NRNC	U.S.C.G., C.G. 169.		NRRL	U.S.C.G., C.G. 262.	
NRKF	U.S.C.G., C.G. 104.		NRND	U.S.C.G., C.G. 170.		NRRL	U.S.C.G., C.G. 263.	
NRKG	U.S.C.G., C.G. 105.		NRNE	U.S.C.G., C.G. 171.		NRRL	U.S.C.G., C.G. 264.	
NRKH	U.S.C.G., C.G. 106.		NRNF	U.S.C.G., C.G. 172.		NRRL	U.S.C.G., C.G. 265.	
NRKI	U.S.C.G., C.G. 107.		NRNG	U.S.C.G., C.G. 173.		NRRL	U.S.C.G., C.G. 266.	
NRKJ	U.S.C.G., C.G. 109.		NRNH	U.S.C.G., C.G. 174.		NRRL	U.S.C.G., C.G. 267.	
NRKL	U.S.C.G., C.G. 110.		NRNI	U.S.C.G., C.G. 175.		NRRL	U.S.C.G., C.G. 268.	
NRKM	U.S.C.G., C.G. 112.		NRNJ	U.S.C.G., C.G. 176.		NRRL	U.S.C.G., C.G. 269.	
NRKN	U.S.C.G., C.G. 115.		NRNK	U.S.C.G., C.G. 177.		NRRL	U.S.C.G., C.G. 270.	
NRKO	U.S.C.G., C.G. 116.		NRNL	U.S.C.G., C.G. 178.		NRRL	U.S.C.G., C.G. 271.	
NRKP	U.S.C.G., C.G. 117.		NRNM	U.S.C.G., C.G. 179.		NRRL	U.S.C.G., C.G. 272.	
NRKQ	U.S.C.G., C.G. 118.		NRNN	U.S.C.G., C.G. 180.		NRRL	U.S.C.G., C.G. 273.	
NRKR	U.S.C.G., C.G. 119.		NRNO	U.S.C.G., C.G. 181.		NRRL	U.S.C.G., C.G. 274.	
NRKS	U.S.C.G., C.G. 120.		NRNP	U.S.C.G., C.G. 182.		NRRL	U.S.C.G., C.G. 275.	
NRKT	U.S.C.G., C.G. 121.		NRNQ	U.S.C.G., C.G. 183.		NRRL	U.S.C.G., C.G. 276.	
NRKU	U.S.C.G., C.G. 122.		NRNV	U.S.C.G., C.G. 184.		NRRL	U.S.C.G., C.G. 277.	
NRKV	U.S.C.G., C.G. 123.		NRNW	U.S.C.G., C.G. 185.		NRRL	U.S.C.G., C.G. 278.	
NRKW	U.S.C.G., C.G. 124.		NRNX	U.S.C.G., C.G. 186.		NRRL	U.S.C.G., C.G. 279.	
NRKY	U.S.C.G., C.G. 125.		NRNY	U.S.C.G., C.G. 187.		NRRL	U.S.C.G., C.G. 280.	
NRKZ	U.S.C.G., C.G. 126.		NRNZ	U.S.C.G., C.G. 188.		NRRL	U.S.C.G., C.G. 281.	
NRLA	U.S.C.G., Alert.		NRZA	U.S.C.G., C.G. 189.		NRRL	U.S.C.G., C.G. 282.	
NRLB	U.S.C.G., Bonham.		NRZB	U.S.C.G., C.G. 190.		NRRL	U.S.C.G., C.G. 283.	
NRLC	U.S.C.G., Ewing.		NRZC	U.S.C.G., C.G. 191.		NRRL	U.S.C.G., C.G. 284.	
NRLD	U.S.C.G., McLane.		NRZD	U.S.C.G., C.G. 192.		NRRL	U.S.C.G., C.G. 285.	
NRLE	U.S.C.G., Morris.		NRZE	U.S.C.G., C.G. 193.		NRRL	U.S.C.G., C.G. 286.	
NRLF	U.S.C.G., Montgomery.		NRZF	U.S.C.G., C.G. 194.		NRRL	U.S.C.G., C.G. 287.	
NRLG	U.S.C.G., C.G. 190.		NRZG	U.S.C.G., C.G. 195.		NRRL	U.S.C.G., C.G. 288.	
NRLH	U.S.C.G., C.G. 191.		NRZH	U.S.C.G., C.G. 196.		NRRL	U.S.C.G., C.G. 289.	
NRLI	U.S.C.G., C.G. 192.		NRZI	U.S.C.G., C.G. 197.		NRRL	U.S.C.G., C.G. 290.	
NRLJ	U.S.C.G., C.G. 193.		NRZJ	U.S.C.G., C.G. 198.		NRRL	U.S.C.G., C.G. 291.	
NRLK	U.S.C.G., C.G. 194.		NRZK	U.S.C.G., C.G. 199.		NRRL	U.S.C.G., C.G. 292.	
NRLM	U.S.C.G., C.G. 195.		NRZL	U.S.C.G., C.G. 200.		NRRL	U.S.C.G., C.G. 293.	

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
NRZT	U.S.C.G., C.G. 295		WAED	Aero Radio, Harrisburg, Pa.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63	WCEN	Reliance	54.3, 54, 36.19, 35.5, 27.15, 27, 26.71, 22.66, 18.094, 36.01
NRZU	U.S.C.G., C.G. 948		WAEE	Aero Radio, Camden, N. J.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63	WCEN	Ramah	129.3, 54.3, 54, 36.19, 27.15, 27, 18.182, 18.007
NRZV	U.S.C.G., C.G. 299		WAEF	Aero Radio, Newark, N. J.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63	WCED	Argosy	36.19, 36.01, 35.5, 27.15, 27, 26.71, 2.26, 1.8094, 18.007, 17.794
NRZW	U.S.C.G., C.G. 300		WAEG	Aero Radio, Cresson, Pa.	110.21, 109.72, 73.02, 47.13, 37.43, 24.63	WCEP	Sararma	36.01, 35.5, 27.15, 27, 26.71, 22.66, 1.8094, 1.8007, 17.704
NRZX	U.S.C.G., C.G. 301		WAEH	Aero Radio, Inc., Milwaukee, Wis.	112.44, 112.28, 105.12, 99.83, 55.8	WCEQ	Hussar	36.19, 36.01, 35.5, 27.15, 27, 26.71, 22.66, 18.094
NRZY	U.S.C.G., C.G. 302		WAEI	Aero Radio, Inc., Detroit, Mich.	111.10, 102.11, 51.5	WCEX	Continental	96.61, 17.794
NRZZ	U.S.S. Ranger		WAEJ	Aero Radio, Inc., Springfield, Ill.	129.53, 37.43	WCEY	Fortitude	54.3, 54, 45.52, 36.19, 35.5, 27.15, 27, 22.09, 18.094
NUDG	U.S.S. Pataoka		WAEK	Aero Radio, Inc., Mobile, Ala.	92.8, 53.20	WCEZ	Export S.S. Co., Exeter	96.61, 17.794
NUDN	U.S.S. Litchfield		WAFP	Aero Radio, Inc., U.S.A.	93.09, 53.20	WCF	Fire Dept., New York, N. Y.	187.97
NUMM	U.S.S. Pope		WAF	T. R. T. Co., Hialeah, Fla.	28.68	WCH	Texas Co., La., Miss., Tex.	176.06
NUQR	U.S.S. Pillsbury		WAG	M. R. T., Bar Harbor, Me.	71.49, 54.3, 34.6, 27.15	WCJ	Light Co., Hazelton, Pa.	94
NUQS	U.S. Customs Patrol 538	88.62	WAJ	R. C. A., Rocky Point, N. Y.	22.25	WCK	Police, Detroit, Mich.	124.17
NUXB	U.S. Custom Patrol 522	88.62	WAM	T. R. T. Co., Hialeah, Fla.	23.16	WCU	Cont. Oil, 3rd Radio Zone	176.06
NUXC	Aircraft on U.S.S. Texas		WAN	T. R. T. Co., Hialeah, Fla.	70.42	WCY	R. C. A., Cleveland, Ohio	96.61, 96.15, 72.46, 62.63, 54.35, 48.31, 47.39, 36.23, 35.01, 27.17, 26.775
NVMAB	Aircraft on U.S.S. Cincinnati		WAD	Detroit Edison, Superior, Mich.	94	WDA	R. C. A., Rocky Point, N. Y.	44.56, 31.65
NVMAC	Aircraft on U.S.S. Jason		WAQ	Westinghouse, Newark, N. J.	44.03	WDB	R. C. A., Rocky Point, N. Y.	44.71
NVMAD	Aircraft on U.S.S. Augusta		WAR	U. S. A., Wash., D. C.	74.65, 74.54, 70.50, 68.73, 42.92, 37.31, 37.27, 35.25, 24.88, 24.84, 23.50, 18.63, 12.42, 9.31	WDC	R. C. A., Rocky Point, N. Y.	20.20
NVMAG	Aircraft on U.S.S. Chicago		WAT			WDD	R. C. A., Rocky Point, N. Y.	39.95
NVMAG	Aircraft on U.S.S. Louisville		WAU			WDE	Bowdin	109, 69.56, 34.78, 23.18
NVMAL	Aircraft on U.S.S. Houston		WAX	T. R. T., Hialeah, Fla.	96.61, 96.15, 72.46, 62.69, 48.31, 47.54, 36.23, 35.34, 27.17, 26.67	WDEB	Rujeta	35.19, 17.79
NVMAM	Aircraft on U.S.S. Chester		WAZ	R. C. A., New Brunswick, N.J.	20.107	WDEC	Caroline	35.19, 17.79
NVMAN	Aircraft on U.S.S. Northampton		WBB	Texas Co., La., Miss., Tex.	178.15	WDED	Western Enterprise	36.19, 17.794
NVMAP	Aircraft on U.S.S. Salt Lake City		WBCD	New York City, Macom	176.06	WDEE	Arcadian	129.3
NVMAU	Aircraft on U.S.S. Pensacola		WBD	Texas Co., La., Miss., Tex.	176.06	WDEG	Trawler	129.3
NVMAW	Aircraft on U.S.S. Pennsylvania		WBDF	All Amc. Cable, Guardian	54.3, 54, 45.52, 45.42, 36.19, 35.5, 27.15, 27	WDEH	Marie II	54.3, 54, 45.32, 27.15, 27, 22.66
NVMAX	Aircraft attached to Macon		WBDR	Oceanic S.S. Co., Sierra	36.19, 35.5, 26.71, 17.794, 13.575, 13.501, 13.357	WDEI	Richard S.	129.3
NVMBX	Aircraft on U.S.S. California		WBDX	Research Co., Big Bill	200, 175, 105	WDEM	William I. Muir	129.3
NVMBD	Aircraft on U.S.S. Indianapolis		WBE	Texas Co., La., Miss., Tex.	176.06	WDEE	City of Baltimore, Md.	54.3, 13.501
NVMBF	Aircraft on U.S.S. Oklahoma		WBEC	Texas Co., La., Miss., Tex.	176.06	WDES	Velero	54.3
NVMBH	Aircraft on U.S.S. Idaho		WBEB	Yacht, Temptress	54.3, 54, 35.50	WDET	Edouard Jermie	54.3
NVMBI	Aircraft on U.S.S. Astoria		WBFC	Export S.S. Co., Exochorda	54.3, 54, 45.52, 36.19, 35.50, 27.15, 27	WDEU	E. P. No. 6	129.3
NVMBJ	Aircraft on U.S.S. Astoria		WBFD	All Amc. Cable, Guardian	54.3, 54, 45.52, 45.42, 36.19, 35.5, 27.15, 27	WDEW	Herbert Hoover	96.15, 71.94, 48.30, 48.23
NVMBK	Aircraft on U.S.S. Minneapolis		WBEG	W. K. Vanderbilt, Alva	54.3, 54, 45.52, 45.42, 36.19	WDEZ	Asama	54.3, 17.79
NVMBL	Aircraft on U.S.S. Marblehead		WBEM	Invader	54.3, 54, 36.19, 18.094, 18.007	KDKL	Camden	129.3
NVMDJ	Aircraft on U.S.S. Maryland		WBEN	White Star	54.3, 54, 36.01, 27.15, 27, 18.094, 18.007	WDDL	General call, all vessels of Dol-lar S.S. Co.	15.87
NVMDK	Aircraft on U.S.S. Concord		WBET	Belle Isle	54.3, 54, 36.01, 27.15, 27, 18.004	WDS	R. C. A., Rocky Point, N. Y.	28.27
NVMDL	Aircraft on U.S.S. Colorado		WBEB	Fisherman II	118.29	WEA	R. C. A., Rocky Point, N. Y.	43.29
NVMDM	Aircraft on U.S.S. Astoria		WBEC	Liberty	118.29	WEB	R. C. A., Rocky Point, N. Y.	33.37
NVMDN	Aircraft on U.S.S. Portland		WBED	Tropical Radio, Hingham, Mass.	96.61, 96.15, 72.46, 62.69, 54.3, 48.31, 46.95, 27.15, 26.23, 24.15, 23.95, 18.116, 17.668, 13.587, 13.348	WED	R. C. A., Rocky Point, N. Y.	28.22
NVMDP	Aircraft on U.S.S. Antares		WBEE	W. K. Vanderbilt, Alva	54.3, 54, 45.52, 45.42, 36.19	WEE	Press Wireless, Hicksville, N. Y.	43.35
NVMDQ	Aircraft on U.S.S. Antares		WBEG	Texas Co., La., Miss., Tex.	176.06	WEEA	Aero Radio, Inc., Atlanta, Ga.	126.1, 102.68, 101.83, 45.52, 45.45
NVMDR	Aircraft on U.S.S. New Orleans		WBEB	Texas Co., La., Miss., Tex.	176.06	WEEB	Aero Radio Corp., Baltimore, Md.	126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45
NVMDS	Aircraft on U.S.S. Memphis		WBEC	Texas Co., La., Miss., Tex.	176.06	WEEC	Aero Radio, Inc., Charleston, S. C.	97.71, 97.5, 72.04, 52.72, 47.46
NVMDT	Aircraft at First Naval Dist.		WBED	Penna. Light, Tuckerville, Pa.	94	WEEF	Aero Radio Co., Spartanburg, S. C.	97.71, 97.52, 52.72
NVMDU	Aircraft at Third Naval Dist.		WBEB	Texas Co., La., Miss., Tex.	176.06	WEEG	Aero Radio Co., Greensboro, N. C.	97.71, 97.52, 52.72
NVMDV	Aircraft at Fourth Naval Dist.		WBEB	T. R. T. Co., Hingham, Mass.	44.264	WEEH	Aero Radio, Inc., McCra, Ga.	97.71, 97.5, 72.04, 52.72, 47.46
NVMDW	Aircraft at Fifth Naval Dist.		WBEB	Doc, Key West, Fla.	89.6, 89, 88.11, 50.68, 50.51, 50.34	WEEJ	Aero Radio, Inc., Jackson-ville, Fla.	97.71, 97.5, 72.04, 52.72, 47.46
NVMDX	Aircraft at Sixth Naval Dist.		WBEB	Texas Co., La., Miss., Tex.	176.06	WEEN	Aero Radio Co., Stelton, N. J.	97.71, 97.52, 52.72
NVMDY	Aircraft at Seventh Naval Dist.		WBEB	R. C. A., Marion, Mass.	71.63, 54.3, 27.15, 26.96, 26.74, 24.15, 23.725, 18.116, 17.751, 13.793, 13.587, 13.453	WEED	Aero Radio, Inc., Orlando, Fla.	126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 51.37, 45.52, 45.45
NVMDZ	Aircraft at Eighth Naval Dist.		WBEB	Light Co., Detroit, Mich.	94	WEEQ	Aero Radio, Inc., Atlantic City, N. J.	126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45
NVME0	Aircraft at Ninth Naval Dist.		WBEB	Texas Co., La., Miss., Tex.	176.06	WEER	Aero Radio Co., Richmond, Va.	97.71, 97.5, 52.72
NVME1	Aircraft at Eleventh Naval Dist.		WBEB	T. R. T. Co., Hingham, Mass.	44.264	WEES	Cipango	54.3
NVME2	Aircraft at Twelfth Naval Dist.		WBEB	Liberty	118.29	WEET	Melodie	54.3
NVME3	Aircraft at Thirteenth Naval Dist.		WBEB	Tropical Radio, Hingham, Mass.	96.61, 96.15, 72.46, 62.69, 54.3, 48.31, 46.95, 27.15, 26.23, 24.15, 23.95, 18.116, 17.668, 13.587, 13.348	WEEW	Aero Radio, Inc., Carlstadt, N. J.	39.34, 39.27, 32.5, 31.98, 29.78
NVME4	Aircraft at Fourteenth Naval Dist.		WBEB	Texas Co., La., Miss., Tex.	176.06	WEEY	Aero Radio, Inc., Tinley Park, Ill.	39.34, 39.27, 32.5, 31.95, 29.79
NVME5	Aircraft at Sixteenth Naval Dist.		WBEB	Texas Co., La., Miss., Tex.	176.06	WEEZ	Excambian	54.3, 54, 36.01, 27.15, 18.094, 18.007
NVME6	Aircraft at Guam Naval Dist.		WBEB	Texas Co., La., Miss., Tex.	176.06	WEF	R. C. A., Rocky Point, N. Y.	31.31
NVME7	Aircraft at Guantanamo		WBEB	Texas Co., La., Miss., Tex.	176.06	WEG	R. C. A., Rocky Point, N. Y.	40.45
NVME8	Aircraft on U.S.S. Arizona		WBEB	Texas Co., La., Miss., Tex.	176.06	WEI	Norfolk, Va.	105.2
NVME9	Aircraft on U.S.S. Pataoka		WBEB	Texas Co., La., Miss., Tex.	176.06	WEJ	R. C. A., Rocky Point, N. Y.	44.51
NVME0	Aircraft on U.S.S. Nevada		WBEB	Texas Co., La., Miss., Tex.	176.06	WEK	D. of C., Wichita, Kans.	89.6, 89, 50.51, 50.34
NVME1	Aircraft on U.S.S. Mississippi		WBEB	Texas Co., La., Miss., Tex.	176.06	WEL	R. C. A., Rocky Point, N. Y.	33.32
NVME2	Aircraft on U.S.S. Ranger		WBEB	Texas Co., La., Miss., Tex.	176.06	WEM	R. C. A., Rocky Point, N. Y.	40.54
NVME3	Aircraft on U.S.S. Arkansas		WBEB	Texas Co., La., Miss., Tex.	176.06	WEN	R. C. A., New Brunswick, N.J.	40.50
NVME4	Aircraft on U.S.S. Argonne		WBEB	Texas Co., La., Miss., Tex.	176.06	WED	R. C. A., Rocky Point, N. Y.	43.11
NVME5	Aircraft on U.S.S. New Mex.		WBEB	Texas Co., La., Miss., Tex.	176.06	WEP	Cape Charles, Va.	99.99
NVME6	Aircraft on U.S.S. Wyoming		WBEB	Texas Co., La., Miss., Tex.	176.06	WER	R. C. A., Rocky Point, N. Y.	44.70
NVME7	Aircraft on U.S.S. Detroit		WBEB	Texas Co., La., Miss., Tex.	176.06	WES	R. C. A., New Brunswick, N.J.	31.74
NVME8	Aircraft on U.S.S. Tennessee		WBEB	Texas Co., La., Miss., Tex.	176.06	WET	R. C. A., Rocky Point, N. Y.	31.67
NVME9	Aircraft on U.S.S. Wright		WBEB	Texas Co., La., Miss., Tex.	176.06			
NVME0	Aircraft on U.S.S. Virginia		WBEB	Texas Co., La., Miss., Tex.	176.06			
NVME1	Aircraft on U.S.S. Richmond		WBEB	Texas Co., La., Miss., Tex.	176.06			
NVME2	Aircraft on U.S.S. Lexington		WBEB	Texas Co., La., Miss., Tex.	176.06			
NVME3	Aircraft on U.S.S. Omaha		WBEB	Texas Co., La., Miss., Tex.	176.06			
NVME4	Aircraft on U.S.S. Saratoga		WBEB	Texas Co., La., Miss., Tex.	176.06			
NVME5	Aircraft on U.S.S. Raleigh		WBEB	Texas Co., La., Miss., Tex.	176.06			
NVME6	Aircraft on U.S.S. Utah		WBEB	Texas Co., La., Miss., Tex.	176.06			
NVME7	Aircraft on U.S.S. Langley		WBEB	Texas Co., La., Miss., Tex.	176.06			
NVME8	Aircraft on U.S.S. Milwaukee		WBEB	Texas Co., La., Miss., Tex.	176.06			
NVME9	Aircraft on U.S.S. Medusa		WBEB	Texas Co., La., Miss., Tex.	176.06			
NVME0	Aircraft on U.S.S. Trenton		WBEB	Texas Co., La., Miss., Tex.	176.06			
NZMCT	U. S. Navy, ZMC 2		WCCM	Dollar S.S., Pres. Johnson	54.3, 54, 45.52, 36.01, 27.15, 26.71, 18.09, 18.007, 13.57			
NZNJF	U. S. Navy, J 4		WCCR	Dollar S.S., Pres. Filmore	54.3, 35.50, 26.71, 54, 27.15			
NZNJT	U. S. Navy, J 3		WCD	Texas Co., La., Miss., Tex.	176.06			
NZNKD	U. S. Navy, Non-rigid Ship KI		WCE	T. R. T. Co., Hingham, Mass.	23.16			
NZRLA	U. S. Navy, Los Angeles		WCEA	Boston Pilot	118.29			
NZRLC	Airship, Macon		WCEB	Ingomar	54.3, 54, 53.43			
WAA	R. C. A., Detroit, Mich.	96.61, 96.15, 72.46, 62.63, 54.35, 48.31, 47.39, 36.23, 35.01, 27.17, 26.775	WCEC	Tatoosh	129.3, 117.2			
WAB	T. R. T. Co., Hialeah, Fla.	44.264	WCED	Clenn Mayne Light	54.3, 54, 39.19, 36.01			
WAC	R. C. A., New Brunswick, N.J.	31.68, 21.58	WCEE	Cloria Dalton	129.3			
WAD	R. C. A., Rocky Point, N. Y.	33.59, 21.63	WCEF	Fish Hawk	123.55			
WADK	Transp. Corp., Cabrillo	109.5	WCEH	San Salvador	54.3, 54, 36.19, 18.094, 18.007			
WADT	Grace S.S., Santa Cecilia	54.3, 36.19, 35.5, 27.15, 26.71, 22.66, 18.09, 18.007	WCEJ	Ajax	36.19, 35.5, 27.15, 26.71, 22.06			
WAE	R. C. A., New Brunswick, N.J.	43.17, 21.68	WCEK	Bluefin	54.3, 54, 45.52, 36.01, 27.15, 27, 18.004			
WAEC	Aero Radio, Pittsburgh, Pa.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63	WCEL	Europa	54.3, 54, 36.01			

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
WPD	Tampa, Fla.	96.61, 96.2, 54.35, 96.23, 34.72	WQY	R. C. A., Rocky Point, N. Y.	14.92			
WPDA	Police, Cleveland, Ohio	124.27	WQZ	R. C. A., San Juan, P. R.	19.40, 18.76			92.09, 87.02, 86.77, 86.52, 86.08, 72.9, 61, 53.55, 53.45, 53.26, 45.87, 45.73, 37.43
WPDB	Police, Chicago, Ill.	175.23	WRB	P. A. A., Bangor, Me.	112.7, 97.71, 72.04, 52.72, 47.58, 37.43, 192.55			
WPDC	Police, Chicago, Ill.	175.23	WRBE	J. P. Mitchell, New York City	122.35	WSDR	Aero Radio, Inc., Madison, Wis.	112.44, 112.28, 105.12, 99.83, 55.8
WPDD	Police, Chicago, Ill.	175.23	WRBH	Police, Cleveland, Ohio	122.35			
WPDE	Police, Louisville, Ky.	122.85	WRBN	John W. Weeks	96.15, 71.94, 48.30, 48.23	WSDS	Aero Radio, Inc., Chicago, Ill.	112.44, 112.28, 105.12, 99.83, 55.8
WPDF	Police, Flint, Mich.	122.85	WRBR	Frederick C. Paeking Co., Petrel	129.3			
WPDG	Police, Youngstown, Ohio	122.05	WRBS	Alaska Packer, Curlaw	96.40, 54.3, 53.42	WSDZ	Aero Radio, Inc., Indianapolis, Ind.	72.9, 61, 55.55, 53.45, 54.26, 45.87, 45.8, 45.73, 37.43, 129.53, 127.33, 93.09, 92.8, 92.52, 92.09, 87.02, 86.77, 86.52, 86.08
WPDH	Police, Richmond, Ind.	122.85	WRBV	Camargo	27.15, 27, 26.71			
WPDJ	Police, Passaic, N. J.	123.45	WRBY		54.3, 54, 36.19, 35.5, 112.69, 97.71, 52.72			
WPDK	Police, Milwaukee, Wis.	122.44	WRDM	P. A. A., Wash., D. C.	121.5			
WPDL	City of Lansing, Mich.	122.85	WRDQ	Police, Toledo, Ohio	121.5			
WPDMM	Police, Dayton, Ohio	124.17	WRDR	Police, Grosse Pte., Mich.	124.27			
WPDN	City of Auburn, N. Y.	175.23	WRDS	State Police, Ingham, Mich.	190.6			
WPDD	Police, Akron, Ohio	122.05	WRDU	Fire Dept., Brooklyn, N. Y.	187.9	WSG	D. of C., La Crosse, Wis.	89, 88.5, 50.51, 50.42
WPDP	Police, Philadelphia, Pa.	121.5	WRDX	Kilna	54.3, 54, 36.19, 27.15, 26.71, 18.094, 17.794	WSP	D. of C., Atlantic Coast	150, 133
WPDR	City of Rochester, N. Y.	122.05			54.3, 54, 45.42	WSQ	D. of C., Atlantic Coast	150, 199
WPDS	Police, St. Paul, Minn.	124.17	WRDZ	Grampus	122.34	WSR	D. of C., Dry Tortugas L. H., Fla.	88
WPDT	Police, Kokomo, Ind.	121.5	WRGH	Police, Cleveland, Ohio	88	WST	D. of C., Boston, Mass.	89, 88.4, 73.7, 50.69, 50.51
WPDU	Police, Pittsburgh, Pa.	175.23	WRJ	D. of C., Poc Reef L. H., Mich.	112.7, 97.71, 72.04, 52.72, 47.58, 47.43	WSX		
WPDV	Police, Charlotte, N. C.	122.05	WRK	P. A. A., Cahis, Me.	96.61, 96.15, 72.46, 62.63, 54.35, 48.31, 47.39, 36.23, 35.01, 27.17, 26.775	WTA	U. S. A., Manila, P. I.	74.44, 69.69, 37.22, 34.84, 24.81, 18.61, 14.88, 11.42, 8.56, 7.82
WPDX	Police, Detroit, Mich.	124.05	WRL	R. C. A., Duluth, Minn.				
WPDY	Police, Atlanta, Ga.	124.27						
WPDZ	Police, Fort Wayne, Ind.	121.05	WRP	Pinecrest, Fla.	187.97	WTC	U. S. Army, Marshfield, Cal.	67.42, 33.75, 22.5
WPE	R. C. A., Rocky Point, N. Y.	21.67	WRUD	Fire Dept., New York, N. Y.	89.8, 89, 50.51, 50.63	WTDG	Kittiwake	86.62
WPEA	Police, Syracuse, N. Y.	175.23	WRW	D. of C., Greensboro, N. C.	54.3, 54, 36.19	WTDK	Harbor Trader	88.92
WPEB	Police, Grand Rapids, Mich.	122.85	WSBD	Gladys II	129.3	WTDL	U. S. Customs Patrol No. 522	88.92
WPEC	Police, Memphis, Tenn.	121.05	WSBM	Nakum	95.9, 71.8, 33.98, 22.71, 17.007	WTDN	U. S. Customs Patrol No. 538	88.92
WPED	Police, Arlington, Mass.	175.23	WSBN	U. S. Lines, Leviathan	54.3, 54, 36.19, 35.5, 27.15, 27, 26.71	WTDW	Nantucket	72.55, 36.28
WPEE	Police, New York, N. Y.	122.4	WSBU	Amida	27.15, 27, 26.71, 22.66	WTEF	D. of C., Gilbert	72.55, 36.28
WPEF	Police, New York, N. Y.	122.4	WSBW	Panama Pacific, Virginia	54.3, 36.19, 36.01, 35.5, 27.15, 26.71, 22.66	WTEJ	D. of C., Lydonia	45.25, 37.97
WPEG	Police, New York, N. Y.	122.4	WSC	R. C. A., Tuckerton, N. J.	96.61, 96.15, 54.35, 54.05, 48.31, 47.32, 47.24, 36.23, 35.59, 27.17, 26.845, 26.775, 24.15, 23.07, 22.99, 18.170, 17.794, 13.825, 13.699, 13.587	WTEK	Pathfinder, U. S. A.	38.58, 15.167
WPEH	Police, Somerville, Mass.	175.23	WSD	Aero Radio, Jackson, Miss.	86.10, 56.29	WTER	Firestone, Akron, Ohio	74.44, 67.57, 37.22
WPEI	Police, Providence, R. I.	175.23	WSDC	Newark, N. J.	86.10, 53.57	WTF	U. S. A., Vancouver, Wash.	73.53, 36.76, 24.51, 18.38, 14.68, 12.28, 9.8, 8.56
WPEJ	Police, Brookline, Mass.	175.23	WSDD	Boston, Mass.	92.64, 53.57	WTFJ	Fort Shafter, Hawaii, T. H.	
WPEK	Police, New Orleans, La.	123.5	WSDI	Aero Radio, Birmingham, Ala.	86.10, 53.29	WTFM	Fort Kamehameha, Honolulu, T. H.	18.38
WPEL	Police, Middleboro, Mass.	190.6	WSDJ	Aero Radio, Inc., Louisville, Ky.	128.97, 127.98, 86.9, 86.7, 86.5, 86.1, 72.46, 53.98, 47.92, 47.8	WTFN	Fort Ruger, Hawaii, T. H.	18.98
WPEM	Police, Woonsocket, R. I.	121.5	WSDK	Aero Radio, Inc., Cincinnati, Ohio	129.53, 127.33, 93.09, 92.8, 92.52, 92.09, 87.02, 86.77, 86.52, 86.08, 72.9, 61, 53.55, 53.45, 53.26, 45.87, 45.8, 45.73, 37.43	WTFP	U. S. A., Denver, Colo.	73.35, 36.67
WPEO	Police, Baton Rouge, La.	190.6	WSDL	Aero Radio, Inc., Nashville, Tenn.	128.97, 127.98, 86.9, 86.7, 86.5, 86.1, 72.46, 53.98, 47.92, 47.8	WTFQ	U. S. A., Rocky Point, N. Y.	15.83
WPEP	Police, Saginaw, Mich.	122.85	WSDM	Aero Radio, Inc., Albany, N. Y.	A1-2-3, 61, 53.55, 53.45, 59.26, 45.87, 45.8, 45.73, 37.43, 1 2 9 5 3, 1 2 7 3 3, 92.8, 92.52, 92.09, 87.02, 86.77, 86.52, 86.08, 72.9	WTFR	Fort Monmouth, N. J.	42.92
WPEQ	Police, Lexington, Ky.	175.23	WSDN	Aero Radio, Inc., Syracuse, N. Y.	128.97, 127.98, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 72.40, 53.57, 56.29, 47.92, 47.8	WTFG	Fort McKinley, P. I.	69.7, 94.84
WPER	Police, Northampton, Mass.	190.6	WSDO	Aero Radio, Inc., Buffalo, N. Y.	129.53, 127.33, 92.8, 92.52, 92.15, 87.02, 86.77, 86.52, 86.08, 61, 53.55, 53.45, 53.26, 45.87, 45.73, 37.43	WTFH	Fort Sill, Okla.	73.35, 50.04, 96.67
WPEW	Police, Chattanooga, Tenn.	121.5	WSDP	Aero Radio, Inc., Columbus, Ohio	A1-2-3, 1 2 8 9 7, 1 2 7 9 8, 9 2 6 4, 9 2 4 7, 8 6 9, 8 6 7, 8 6 5, 8 6 1, 7 2 4 0, 5 3 5 7, 5 6 2 9, 4 7 9 2, 4 7 8	WTFI	U. S. A., T. Meigs	
WPEX	Police, Framingham, Mass.	190.6	WSDQ	Aero Radio, Inc., Cleveland, Ohio	A1-2-3, 1 2 9 5 3, 1 2 7 3 3, 9 2 8, 9 2 5 2	WTFJ	U. S. A., T. St. Mihiel	70.5, 35.25, 23.5, 17.62
WPEY	Police, Asheville, N. C.	122.05				WTFK	U. S. A., T. Chateau Thierry	70.5, 35.25, 23.5, 17.62
WPEZ	Police, Lakeland, Fla.	122.85				WTFM	U. S. A., T. Grant	
WPFS	Police, Pawtucket, R. I.	121.5				WTFN	U. S. A., T. Merritt	
WPFT	Police, Palm Beach, Fla.	122.85				WTFP	U. S. A., T. Thomas	
WPFX	Police, Wash., D. C.	124.05				WTFQ	U. S. A., T. Dellwood	
WPGW	Williamsport, Pa.	94				WTFR	U. S. A., T. Ludington	70.50, 35.25, 23.50
WPH	Inland Waters, Memphis, Tenn.	87.7, 46.95				WTFG	U. S. A., T. Republic	70.51, 35.25, 23.5, 17.628
WPI	Light Co., St. Croix Falls, Wis.	94				WTFH	Fort Hancock, Sandy Hook, N. J.	
WPL	Birmingham, Ala.	87.7, 46.05				WTFI	Fort Wright, N. Y.	
WPM	Mobile, Ala.	87.7, 46.05				WTFJ	Aero Radio Inc., Chicago, Ill.	A1-2-3, 94.9, 94.75, 94.57, 94.39, 53.88, 53
WPP	Light Co., Marysville, Mich.	94				WTFK	Fort George, Wright, Wash.	74.44, 67.57, 37.22, 33.78
WPV	R. C. A., Rocky Point, N. Y.	14.13				WTFM	U. S. A., Camp Maria, Tex.	73.35, 67.49, 50.04, 36.67
WQA	R. C. A., Rocky Point, N. Y.	16.72				WTFN	Fort McIntosh, Texas	
WQB	R. C. A., Rocky Point, N. Y.	69.56, 34.78				WTFP	Fort Riley, Kansas	67.72, 33.86
WQBD	Lambert	54.3, 54, 36.19, 27.15, 27				WTFQ	Fort Lewis, Wash.	74.44, 67.57, 37.2, 33.75
WQBG	Trans. Co., Capt. Williams	109.5				WTFR	Fort Totten, N. Y.	
WQBK	Trans. Co., Louise Black	109				WTFG	Fort Tucson, Ariz.	73.35, 67.42, 36.67, 93.75, 22.5
WQBS	Seattle Fire Dept., Alki	187.97				WTFH	Aberdeen Prov. Grds., Md.	
WQC	R. C. A., Rocky Point, N. Y.	16.79				WTFI	Fort Benning, Ga.	
WQCA	Caracas	46.88, 36.06, 23.73				WTFJ	Fort Mills, P. I.	
WQCP	Union Line, Frieda	54.9, 54, 45.62, 45.42, 36.19, 35.50, 27.15, 27, 23.06, 18.007				WTFK	Yuma, Ariz.	
WQCT	Avalon	109.5				WTFM	Fort McClellan, Ala.	
WQCV	W. W. Minnesota	87.7, 46.05				WTFN	Fort Oglethorpe, Ga.	
WQCW	R. C. A., Rocky Point, N. Y.	15.82				WTFP	Fort Story, Va.	
WQD	Flow	129.19, 127, 109.56				WTFQ	Fort Adams, R. I.	
WQDB	J. P. Morgan, Corsair	36.19, 35.30, 27.15, 26.71, 22.06				WTFR	Fort Thomas, Ky.	
WQDC	Aero Radio, Inc., Atlanta, Ga.	86.10, 53.57				WTFG	West Point, N. Y.	
WQDF	Gadly II	54.3, 54, 36.19, 27.15, 27				WTFH	Fort Ethan Allen, Vt.	
WQDD	Aero Radio, Inc., Atlanta, Ga.	72.9, 61, 53.55, 53.45, 53.26, 45.87, 45.8, 45.73, 37.43, 129.53, 127.33, 93.09, 92.8, 92.52, 92.09, 87.02, 86.77, 86.52, 86.08				WTFI	Fort Crockett, Texas	73.35
WQDP	Aero Radio, Inc., New Orleans, La.	128.97, 127.98, 72.46, 47.92, 47.80				WTFJ	Fort Crockett, Texas	73.95, 36.67
WQDQ	Rene	36.19, 35.5, 27.15, 27, 26.71, 22.66				WTFK	Fort Sam Houston, Texas	73.35, 67.32, 42.92, 36.67, 93.86, 22.57, 16.93
WQDR	J. P. Morgan, Corsair	36.19, 35.50, 27.15, 26.71, 22.66				WTFM	Fort Leavenworth, Kans.	69.7, 68.57, 67.57, 34.84, 34.29, 22.86, 17.14
WQDS	R. C. A., Rocky Point, N. Y.	18.85				WTFN	U. S. A., Seattle, Wash.	73.45, 69.61, 68.73, 68.57, 36.72, 24.48, 18.36, 14.70, 12.24
WQDT	R. C. A., Rocky Point, N. Y.	16.74				WTFP	U. S. A., Canal Zone, Panama	70.51, 68.7, 34.36, 22.91, 17.18, 12.24, 12.22, 11.46, 8.58
WQDB	R. C. A., Rocky Point, N. Y.	19.94				WTFQ	U. S. A., Monterey, Calif.	67.57, 33.78
WQDC	R. C. A., Rocky Point, N. Y.	15.89				WTFR	U. S. A., Tientsin, China	67.72, 50.04, 33.86, 22.57, 16.93
WQDE	R. C. A., Rocky Point, N. Y.	16.77				WTFG	U. S. A., Boston, Mass.	67.5, 53.75, 67.45, 42.92
WQDF	R. C. A., Rocky Point, N. Y.	14.12				WTFH	Governors Isl., N. Y. City	70.51, 42.92
WQDG	R. C. A., Rocky Point, N. Y.	16.46				WTFI	Fort McPherson, Ga.	69.61, 42.92, 34.80
WQDH	R. C. A., Rocky Point, N. Y.	20.25				WTFJ	Chicago, Ill.	68.49, 42.92, 94.25, 22.83
WQDI	R. C. A., Rocky Point, N. Y.	57, 54.05, 51.05				WTFK		
WQDJ	R. C. A., Rocky Point, N. Y.	44.61				WTFM		
WQDK	R. C. A., Rocky Point, N. Y.	21.58				WTFN		
WQDL	R. C. A., Rocky Point, N. Y.	14.8				WTFP		
WQDM	R. C. A., Rocky Point, N. Y.	18.73				WTFQ		
WQDN	R. C. A., Rocky Point, N. Y.	21.55				WTFR		
WQDO	R. C. A., New Brunswick, N. J.	21.60				WTFG		
WQDP	R. C. A., Rocky Point, N. Y.	21.85				WTFH		
WQDQ	R. C. A., Rocky Point, N. Y.	20.27				WTFI		
WQDR	R. C. A., Rocky Point, N. Y.	14.08				WTFJ		
WQDS	R. C. A., Rocky Point, N. Y.	14.86				WTFK		

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	
WVU	Fort Omaha, Nebr.	69.69, 67.57, 42.92, 33.78, 22.52	CFI	Woman Lake, Ont.	100, 185.2, 109.5, 90.04, 86.7, 48.02	CMM	Matanzas	40	
WVW	Fort D. C. Russel, Wyoming	73.35, 36.67	CFJ	Red Lake, Ont.	100, 185.2, 109.5, 90.04, 86.7, 48.02	CMD	Santiago	40	
WVX	Fort Douglas, Salt Lake City, Utah	74.45, 67.57, 37.22	CFK	Tabouret, B. C.	185.2	CMP	Isle de Pines	40	
WVY	U. S. A., San Francisco, Calif.	74.44, 69.67, 67.57, 34.88, 9.18	CFM	Manicougan River, P. Q.	185.2	CMR	Pinar de Rio	40	
WVZ	Fort Haynes, Columbus, O.	73.53, 42.92, 36.76	CFN	Grande Prairie, Alberta	175.3, 124.17, 86.7, 62.82, 46.7	CMS	St. Clara	40	
WWA	D. of C., Radio Test Car No. 1, Var.		CFO	Lethbridge, Alberta	175.3, 124.17, 86.7, 62.82, 46.7	CMV	Camaguey	40	
WWAB	D. of C., Buffalo, N. Y.	89, 88.8, 50.59, 50.34	CFQ	Edmonton, Alta.	98.7, 39.74	CMX	Havana	40	
WWAC	D. of C., Nashville, Tenn.	89.69, 89.42, 89, 88.2, 50.68, 50.51	CFR	Edmonton, Alta.	98.7, 39.74	CMY	Havana	40	
WWAH	D. of C., Albany, N. Y.	89, 88.8, 50.59, 50.51	CFS	Mill Bay, B. C.	197.4, 131	CMZ	Havana	40	
WWAJ	D. of C., Manitou Isl., Mich.	88	CFT	Nairn, B. C.	197.4, 131	CM2LA	Havana	29.98	
WWAK	D. of C., Roanoke Light, Cal.	121.70	CFTS	Toronto, Ont.	48.8	CM2MK	Havana	31.9, 32	
WWAM	D. of C., Rock of Ages, Mich.	88	CFU	Peace River, Alb.	175.3, 124.17, 86.7, 62.82, 46.7	CM6XJ	Havana	19.99	
WWAO	D. of C., Huron Is., Mich.	88	CFV	Goose Island, Ont.	185.2, 109.5, 90, 86.7, 62.82, 48.02	CNA—CNZ MORDECO			
WWAP	D. of C., Pittsburgh, Pa.	89, 88.8, 50.53, 50.51	CFW	Bones Bay, B. C.	189.9, 131	CNB	Casablanca	107, 55.33	
WWAQ	D. of C., Jackson, Miss.	101.4, 89, 88.62, 50.58, 50.51	CFX	Smith Inlet, B. C.	197.4, 131	CNC	Tangier	57, 55, 43, 25	
WWAR	D. of C., Jackson, Miss.	89, 88.9, 50.53, 50.51	CFY	Rivers Inlet, B. C.	197.4, 131	CND	Agadir	57, 55, 43, 25	
WWAS	D. of C., Cincinnati, Ohio	89, 88.62, 50.58, 50.51	CFZ	Claxton, B. C.	197.4, 131	CNE	Rabat	44, 36	
WWAT	D. of C., Birmingham, Ala.	101.4, 89, 88.62, 50.58, 50.51	CGA	Drummondville, Ont.	16.50, 26.00, 32.13, 99.08, 69, 61.16	CNF	Rabat	23.38, 37.33, 84	
WWAW	D. of C., Charleston, S. C.	89.8, 89, 50.63, 50.03, 50.51	CGB	Phone Channel to England		CNW	Tangier	90	
WWAY	D. of C., Spectacle Reef, Mich.	88	CGD	Gold Lake, Man.	62.82	CPA—CPZ BOLIVIA			
WWB	D. of C., Baltimore, Md.	88	CGDJ	Drummondville, Ont.	146.3, 142.9, 90.04	CPAB	Bermejo	68.18, 52.63, 50.42	
WWBY	D. of C., Martins Reef, Mich.	88	CGE	Canadian Pacific Monarch	198.7	CPAC	Canieri	16, 322, 34.60, 30.64	
WWC	D. of C., Radio Test Car No. 6	88	CGF	Selkirk Mines, Man.	39.74	CPAD	Camatindi	40, 11, 20.067, 16.322	
WWE	Fourteen Fort Shoal, Mich.	88	CGG	The Pas, Man.	135, 62.82	CPAM	Machaecti	68.18, 52.63, 50.42	
WWG	D. of C., Cheboygan Range, Mich.	88	CGFR	Hebridean	181.8, 127.7	CPAY	Yacuiba	16, 322, 34.60, 30.64	
WWH	D. of C., Stannard Light, Mich.	88	CGFW	Nauphila	181.8, 127.7	CPC	Yacuiba	68.18, 52.63, 50.42	
WWI	D. of C., Marquette Light, Mich.	88	CGH	The Pas, Man.	148.5	CPF	La Paz	40, 11, 20.067	
WWJ	D. of C., Detroit, Mich.	88	CGI	Edmonton, Alb.	175.3, 124.17, 86.7, 62.82, 46.7	CPL	Santa Cruz	40, 11, 20.067	
WWK	D. of C., Cleveland, Ohio	89.3, 89, 50.54, 50.51	CGK	Hudson, Ont.	41, 62.82	CPS	La Paz	34.60, 30.64	
WWL	D. of C., Bellefonte, Pa.	88.8, 89, 50.53, 50.51	CGL	Montreal, Que.	95.18	CPT	La Paz	16.322	
WWM	D. of C., Detroit, Mich.	88	CGM	Ocean Falls, B. C.	66.96	CPU	Marchareta	68.18, 52.63, 50.42	
WWN	D. of C., Hadley Field, N. J.	89.6, 89, 50.68, 50.51	CGN	Term Point, N. W. T.	195.8, 188.0, 185.2	CPV	Yacuiba	16, 322, 34.60, 30.64	
WWO	D. of C., Washington, D. C.	89.82, 73.89, 24	CGO	Lae La Rogue, Sask.	175.3, 124.17, 86.7, 62.82, 46.7	CPY	Yacuiba	68.18, 52.63, 50.42	
WWP	D. of C., Pittsburgh, Pa.	88	CGS	Calgary, P. Q.	43.88, 36.3, 23.4	CQA—CQZ—CRA—CRZ PDRUGUESE COLDNIES			
WWQ	D. of C., Key West, Fla.	88	CGSN	McLean		CQA	Beira, Mozambique	34	
WWR	U. S. A., Fort Barrow, Alaska	59.7, 34.36	CGT	C. G. Cutter, Stanley	55.50	CQG	Guelimane, Mozambique	30	
WWS	U. S. A., Anchorage, Alaska	69.61, 64.63	CGV	Campbell River, Can.	195.8, 188, 185.2	CQH	Macau, Macau	21.5	
WWT	U. S. A., Ketchikan, Alaska	74.8, 37.27, 24.85	CGW	Waskesin, Sask.	95.18	CQJ	Macau, Macau	21.5	
WXA	U. S. A., City of Havre	18.63, 14.92	CGX	Yamachiepe, P. Q.	148.5	CQK	Macau, Macau	32.5	
WXB	U. S. A., City of Havre	54.3, 54, 45.42, 36.19	CGY	Flin Flou Mine, Man.	99.08, 69	CRAP	Lowrenco, Mozambique	31.6	
WXC	U. S. A., City of Havre	35.5, 27.15, 27	CJA	Nunder Mt., Sask.	195.8, 188, 185.2	CRAT	Porto Amelia, Mozambique	30.3	
WXD	U. S. A., City of Havre	22.66, 18.09, 13.501	CJC	Campbell River, B. C.	194.8	CRAV	Vila Francisco, Mozambique	30.3	
WXE	U. S. A., City of Havre	115.1	CJD	Ceepeeel, B. C.	198.7	CRAX	Vila Paiva, Mozambique	31.2	
WXF	U. S. A., City of Havre	68.73, 34.36, 22.91	CJE	Thurston Bay, B. C.	194.8	CRF	Cape Verde Islands	18.45	
WXG	U. S. A., City of Havre	17.18	CJF	Heate Channel, B. C.	98.7, 131	CRG	El General		
WXH	U. S. A., City of Havre	73.53, 36.76	CJG	Knight Inlet, B. C.	193.7	CRH	Costa Rica		
WXI	U. S. A., City of Havre	73.35, 67.45, 33.75	CJH	Selwyn Inlet, B. C.	131	CRJ	Quandu Angold	18.564	
WXJ	U. S. A., City of Havre	22.5	CJI	Prince Edwards Isl.	189.9	CRK	Lourenco Port	18.36	
WXK	U. S. A., City of Havre	73.35, 67.42, 50.04	CJJ	Cardero Channel, B. C.	198.7	CSA—CUZ PDRUGAL			
WXL	U. S. A., City of Havre	36.67, 33.75, 22.2	CJK	Wakman Sound, Man.	131, 198.7	CSBZ	Guanza	35, 32, 26	
WXM	U. S. A., City of Havre	73.35, 67.42, 36.67	CJL	Theodosia Arm, B. C.	198.7	CSF	Portugal	18	
WXN	U. S. A., City of Havre	33.75, 23.5	CJM	Campbell River, B. C.	198.7	CTAB	Adamastor	33	
WXO	U. S. A., City of Havre	18.38	CJN	Lagoon Bay, B. C.	131	CTAH	Carraller Maiyo		
WXP	U. S. A., City of Havre	69.69	CJO	Wells Pass, B. C.	198.7	CTAD	Gil Eannes		
WXQ	U. S. A., City of Havre	18.38	CJP	Margaret Bay, B. C.	131	CTB	Portugal	79.89	
WXR	U. S. A., City of Havre	73.35, 67.42, 36.67	CJQ	Jackson Bay, B. C.	131	CTBH	Sagres		
WXS	U. S. A., City of Havre	33.75, 22.3	CJR	Kayoo Bay, B. C.	198.7, 131	CTBJ	Vaseo de Gama		
WXT	U. S. A., City of Havre	73.35, 67.42, 36.67	CJS	Geizers Hill, Nova Scotia	39.32, 54.64, 27.32	CTH	Horta, Azores	30, 20, 79.81	
WXU	U. S. A., City of Havre	33.75, 22.5	CKA	Calgary, Alta.	25.65	CTI	Faro	33	
WXV	U. S. A., City of Havre	73.35, 67.42, 36.67	CKB	Winnipeg, Man.	44.78	CTV	Monsanto		
WXW	U. S. A., City of Havre	33.75, 22.5	CKC	Saskatoon, Sask.	44.78	CTIAA	Santos	43.00	
WXX	U. S. A., City of Havre	73.35, 50.04, 42.92	CKD	Baker Lake, N. W. T.	43.6	CUC	Lisbon	42.79, 42.55, 31.85, 31.68	
WXY	U. S. A., City of Havre	Variable	CKE	Low Inlet, B. C.	197.4, 131	CUD	Lisbon	DR25.17, 24.82, 24.46	
WXZ	U. S. A., City of Havre	73.35, 36.67	CKF	Winnipeg, Man.	44.78	CUE	Lisbon	30, 165, 29.4	
WYA	U. S. A., City of Havre	69.61, 68.49, 34.80	CKG	Saskatoon, Sask.	44.78	CUF	Lisbon	DR37.05, DR33.426, DR31.595	
WYB	U. S. A., City of Havre	54.54	CKH	Baker Lake, N. W. T.	43.6	CUH	Lisbon	43.38, 40.92, 40.16, 39.13	
WYC	U. S. A., City of Havre	68.74, 34.36	CKI	Low Inlet, B. C.	197.4, 131	CUI	Lisbon	DR20.76, DR19.89, DR18.8	
WYD	U. S. A., City of Havre	42.92	CKJ	Winnipeg, Man.	44.78	CUW	Lisbon	DR15.641, DR22.396, DR21.47	
WYE	U. S. A., City of Havre	18.38	CKK	South Bay, B. C.	197.4, 131	CVA—CVZ RUMANIA			
WYF	U. S. A., City of Havre	69.69, 34.84, 33.75	CKL	Powell River, B. C.	198.7	CVW	Herastran	33.23	
WYG	U. S. A., City of Havre	73.35, 67.49, 36.37	CKM	Vancouver, B. C.	198.7	CWA—CXZ URUGUAY			
WYH	U. S. A., City of Havre	33.75	CKN	Calgary, Alta.	98.7, 39.74	CWA	Cerrito	51.06	
WYI	U. S. A., City of Havre	18.38	CKO	Whitehorse, Yukon	90	CWD	Cerrito	45.39	
WYJ	U. S. A., City of Havre	69.69, 34.84, 33.75	CKP	Walker Lake, B. C.	197.4, 131	CWE	Cerrito	34.92	
WYK	U. S. A., City of Havre	73.35, 36.67	CKQ	Vancouver, B. C.	21.55	CWF	Cerrito	26.39	
WYL	U. S. A., City of Havre	69.69, 34.84, 33.75	CKR	Winnipeg, Man.	21.55	CWG	Cerrito	22.83	
WYM	U. S. A., City of Havre	33.75	CKS	St. Johns, P. Q.	22.51	CWH	Cerrito	17.443	
WYN	U. S. A., City of Havre	69.69, 51.28	CKT	CLA—CMZ CUBA			CWI	Cerrito	17.443
WYO	U. S. A., City of Havre	36, 86.01, 84.01, 50.48	CKU	Havana	36, 86.01, 84.01, 50.48	D—GERMANY			
WYP	U. S. A., City of Havre	74, 68, 64, 62, 36	CKV	Baracoa	74, 68, 64, 62, 36	DAAC	Europa	66.667, 18.160	
WYQ	U. S. A., City of Havre	30.04, 87, 57, 51, 45, 42, 38, 36	CKW	Holguin	30.04, 87, 57, 51, 45, 42, 38, 36	DAAS	Liner von Utricho	190, 160	
WYR	U. S. A., City of Havre	50	CKX	S. Clara	50	DABC	Walter Korte	190, 160	
WYS	U. S. A., City of Havre	50	CKY	Havana	50	DAC	Elbe Weser	190, 180.7, 169, 160, 157.1	
WYT	U. S. A., City of Havre	50	CKZ	Havana	50	DAEK	Milwaukee	66.66, 18.1	
WYU	U. S. A., City of Havre	50	CLB	Havana	50	DAEW	Hummel	190, 160	
WYV	U. S. A., City of Havre	50	CLC	Havana	50	DAEX	Hagen	190, 160	
WYW	U. S. A., City of Havre	50	CLD	Havana	50	DAHD	Arkna	190, 160	
WYX	U. S. A., City of Havre	50	CLE	Havana	50	DAHJ	Hindenburg	190, 160	
WYX	U. S. A., City of Havre	50	CLF	Havana	50	DAL	Bremerhaven	175	
WYX	U. S. A., City of Havre	50	CLG	Havana	50				
WYX	U. S. A., City of Havre	50	CLH	Havana	50				
WYX	U. S. A., City of Havre	50	CLI	Havana	50				
WYX	U. S. A., City of Havre	50	CLM	Havana	50				
WYX	U. S. A., City of Havre	50	CLP	Havana	50				
WYX	U. S. A., City of Havre	50	CMA	Havana	50				
WYX	U. S. A., City of Havre	50	CMA2	Havana	50				
WYX	U. S. A., City of Havre	50	CMB	Havana	50				
WYX	U. S. A., City of Havre	50	CMB2	Havana	50				
WYX	U. S. A., City of Havre	50	CMB3	Havana	50				
WYX	U. S. A., City of Havre	50	CMB4	Havana	50				
WYX	U. S. A., City of Havre	50	CMB5	Havana	50				
WYX	U. S. A., City of Havre	50	CMB6	Havana	50				
WYX	U. S. A., City of Havre	50	CMB8	Havana	50				
WYX	U. S. A., City of Havre	50	CMD	Havana	50				
WYX	U. S. A., City of Havre	50	CME	Havana	50				
WYX	U. S. A., City of Havre	50	CMF	Havana	50				
WYX	U. S. A., City of Havre	50	CMG	Havana	50				
WYX	U. S. A., City of Havre	50	CMH	Havana	50				
WYX	U. S. A., City of Havre	50	CMJ	Havana	50				
WYX	U. S. A., City of Havre	50	CML	Havana	50				
WYX	U. S. A., City of Havre	50							
WYX	U. S. A., City of Havre	50							
WYX	U. S. A., City of Havre	50							
WYX	U. S. A., City of Havre	50							
WYX	U. S. A., City of Havre	50							

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
DALM	Brunner	180.72, 160.01, 153.06	DFQ	Nauen	16.657	DTOC	Koblenz	190, 180.72, 169.01, 153.06
DALM	Brense	190, 160	DFR	Nauen	19.237	DTOK	Adolf Kuhling	180.72, 169.01
DAN	Norddeich	198, 100, 89.5, 72.65, 66.18, 52.91, 36, 26.45, 18, 66.67, 35.12, 23.81, 45.45	DFS	Nauen		DTOM	Morve	180.72, 169.01
			DFT	Nauen	38.40	DTOR	Regulus	190, 180.72, 169.01, 153.06
DANAB	Dox		DFU	Konigs Wusterhausen	46.45	DTOW	Wilhelm Huth	190, 180.72, 169.01, 153.06
DAS	Swinemunde	153.06, 53.238, 36.45, 180.7, 18.16, 18, 26.93, 190, 178, 169, 160	DFV	Konigs Wusterhausen	46.45			
			DFY	Nauen	181.30			
DCD	Aussneider	180	DWA	Nauen	14.634	EAA-EHZ SPAIN		
DCG	Elbe Feuerschiff	160	DGA	Nauen	14.691	EAD	Cadiz	180.1
DCI	Elbe Feuerschiff	190, 160	DGB	Nauen	30.36	EAH	Madrid	32.93, 31.65, 16.456, 14.735, 14.556, 44.25, 44.58, 22.29, 26.11, 14.31
DDK	Elbe Feuerschiff	190, 160	DGC	Nauen	29.38	EAI	Canary Islands	170
DCR	Stubbenkrammer	190, 160	DGD	Nauen	13.321	EAI	Reina Maria Eugenia	
DCS	Tonning	170.1	DGE	Nauen	13.274	EAI	Magallanes	
DCU	Robbenplate	190, 160	DGF	Nauen	22.762	EAI	Madrid	30.864, 25.104, 44.26, 25.01
DCV	Bremen	160	DGG	Nauen	28.89, 28.74	EAK	Las Palmas, Canary Is.	43.67, 43.2, 35.63, 30.549, 21.606, 20.08, 20.046, 19.91
DDAO	Altenbruch	190, 160	DGH	Nauen	22.42	EAM	Madrid	43.29, 30.7, 29.65, 64.17, 61.42, 50.2, 36.07, 43.59, 20.17
DDAS	Bremen	66.667, 18.160	DGI	Nauen		EAN	Madrid	15.576, 15.385, 15.259
DDBR	Berlin	175	DGJ	Nauen	31.088	EAND	Cabo San Agustin	35.85, 23.9
DDCB	Columbus	66.667, 18.160	DGK	Nauen		EANE	Cabo Santo Pomi	35.85, 23.9
DDCG	Risolute	175	DGL	Nauen		EANW		
DDCJ	Coblenz	175	DGM	Nauen	14.896	EAQ	Madrid	15.213, 15.06
DDCP	Cap. Polonio	66.667, 18.160	DGN	Nauen	14.955	EAQX	Leon y Castillo	40
DDDA	Wiser	175	DGO	Nauen	16.778	EARN	La Palma	40
DDDB	Werra	175	DGP	Nauen	20.541	EAS	Canary Islands	160
DDDC	Saarbruecken	175	DGQ	Nauen	27.42	EAV	Madrid	50.7
DDDF	Sierra Cordoba	175	DGR	Nauen	22.682	EAX	Barcelona	61.73, 50.70, 43.70, 37.41, 31.8, 21.79, 20.13, 60.54, 43.29
DDDQ	Serflinger	175	DGS	Nauen	14.985	EAY	Basile	17.4
DDDT	Deutschland	66.667, 18.160	DGT	Nauen	38.07	EDK		4
DDDX	Hamburg	66.667, 18.160	DGU	Nauen	57.085	EDM	Pozuelo del Rey, Madrid	15.76, 14.38, 13.36
DDDE	Cap. Arcona	66.667, 18.160	DGV	Nauen	56.24	EDN	Pozuelo del Rey, Madrid	69.29, 52.17, 43.04
DDDED	New York	66.667, 18.160, 190, 160	DGW	Nauen	55.20	EDO	Palma de Mallorca	63.63, 56.13, 46.3, 127.3
			DGX	Nauen	14.792	EDP		
DDFF	Reliance		DGY	Nauen	15.040	EDQ	Pozuelo del Rey, Madrid	15.44
DDFV	Micklenberg	151	DHZ	Nauen	15.43	EDZ	Madrid	44.87, 29.97, 28.52, 25.75, 25.07, 22.44, 22.08, 16.502, 14.962
DDGR	Orion	66.667, 18.160	DIA	Konigs Wusterhausen	19.9	EHX	Madrid	28.25, 18.65, 14.58
DDGT	Gotha	175	DIB	Konigs Wusterhausen	20.819	EHY	Madrid	29.70, 20.52, 15.76, 15.36, 14.58, 13.36
DDJD	Frier	175	DIC	Konigs Wusterhausen	26	EHZ	Tablero, Teneriffe, Canary Is.	58.37, 51.24, 44.12, 18.4, 28.93
DDKD	Crefeld	175	DID	Konigs Wusterhausen	29.54, 29.56			
DDKO	Koln	175	DIE	Nauen	29.66	ELA-ELZ LIBERIA		
DDKV	Ditmar Koel	190, 160	DIF	Konigs Wusterhausen	31.94	ELA	Monrovia	39.58, 34.264, 29.09, 19, 17.142, 16.25, 15.16, 15.045
DDLL	Lutzow	175	DIG	Konigs Wusterhausen	14.6, 3283	ELB	Bassa	84.98
DDM	Hamburg		DIH	Konigs Wusterhausen	34.76	ELC	Monrovia	60
DDNE	Madrid	175	DIJ	Konigs Wusterhausen	36.58	ELF	Quside, Liberia	88.13, 29.1, 16.25
DDNY	Albert Ballin	66.66, 18.160	DIK	Konigs Wusterhausen	39.80	ELM	Monrovia	60.03, 29.79
DDOE	Sierra Morena	175	DIL	Konigs Wusterhausen	91.7	ELP	Cape Palmas	75
DDOY	Norderny	190, 160	DIM	Konigs Wusterhausen	89.5	ELR	Cape Mount	75.57
DDRD	Dresden	175	DIN	Konigs Wusterhausen	83.4	ELS	Sinoo	60, 85.47
DDRM	Karlsruhe	175	DIO	Konigs Wusterhausen	69.8			
DDRQ	Auguste Kampf	180, 180.72, 169.10, 153.06	DIP	Konigs Wusterhausen	64.2	ESA-ESZ ESTHONIA		
			DIQ	Konigs Wusterhausen	61.9	ESG	Air Service	175
DDRV	Wotan	190, 160	DIR	Konigs Wusterhausen	57.2	ESL	Tallinn	42.86
DDSV	Kustin Mites	190, 160	DIS	Nauen	52.7	ESN	Tallinn	32
DDSY	Seydlite	175	DIT	Konigs Wusterhausen	48	ESO	Tallinn	52.63, 42.85, 32
DDTZ	Fielda	175	DIU	Konigs Wusterhausen	43.8	ESP	Parnu	127
DDUF	Stuttgart	175	DIV	Konigs Wusterhausen	36.8	ESR	Rubnu	123
DDUZ	Sierra Ventana	175	DIW	Konigs Wusterhausen	35.7	F-FRANCE (Including colonies and protectorates)		
DDX	Tempelhof Berlin		DIX	Konigs Wusterhausen	37.5, 67.76, 82.9	FALD	Altebaren	
DDYB	Gen'l Artigas		DIY	Konigs Wusterhausen	190, 160	FAMJ	Jeanne d'Arc	
DDYO	Yorck	175	DIZ	Konigs Wusterhausen	190, 180.72, 169.1, 153.06	FAMP	Lamotte Piequet	
DDZI	Amerika	70, 25	DJG	Konigs Wusterhausen	190, 180.72, 169.1, 153.06	FBD	D'reigor, Syria	
DEL	Nauen		DJB	Konigs Wusterhausen	190, 160	FBH	Beyrouth, Syria	
DEN	Nauen		DJK	Konigs Wusterhausen	190, 160	FBP2	Malina Oceania, Papeete	40
DENNE	Graf Zeppelin	37.3	DKA	Konigs Wusterhausen	190, 160	FBT	Tunis, North Africa	35, 30
DEP	Nauen		DKB	Konigs Wusterhausen	190, 160	FBVY	Ville Dip.	
DES	Nauen		DKC	Konigs Wusterhausen	190, 160	FCA	Rich, Morocco	58.5
DFA	Nauen	15.592	DKD	Konigs Wusterhausen	190, 160	FCB	Agadir, Morocco	56
DFB	Nauen	17.123	DKE	Konigs Wusterhausen	190, 160	FCD	Errfoud, Morocco	56.52
DFC	Nauen	23.103	DKF	Konigs Wusterhausen	190, 160	FCH	Bou-Denib, Morocco	59.31
DFD	Nauen	20.457	DKG	Konigs Wusterhausen	190, 160	FCL	Midlet, Morocco	50.51
DFE	Nauen	30.582	DKH	Konigs Wusterhausen	190, 169.01, 180.72, 153.06	FCQ	Quzarat, Morocco	58
DFF	Nauen	30.9	DKL	Konigs Wusterhausen	190, 160	FCR	Marrakech, Morocco	57.5
DFG	Nauen		DKN	Konigs Wusterhausen	190, 160	FCS	Rabat, Morocco	60
DFI	Nauen		DKO	Konigs Wusterhausen	190, 160	FCT	Kasba Tadia, Morocco	52.5
DFH	Nauen	40.91	DKP	Konigs Wusterhausen	190, 160	FCW	Bear es Souk, Morocco	55.5
DFJ	Nauen	15.228	DQP	Konigs Wusterhausen	190, 160	FCZ	Fez, Morocco	52.5
DFK	Nauen		DQK	Konigs Wusterhausen	190, 180.72, 169.01, 153.06	FEAI	Ousugh, Africa	
DFL	Nauen	27.65	DMKR	Karlsruhe	190, 180.72, 169.01, 153.06	FFI	Dieppe, France	150
DFM	Nauen	15.416	DOA	Coblenz	190, 180.72, 169.01, 153.06	FFP	La Havre	
DFO	Nauen	30.832	DPDA	Alteland	190, 180.72, 169.01, 153.06	FFS	S. Maries	35.5, 23.5, 48, 36.2, 24.05
DFOA	Amsel	190, 160	DPOB	Hilde	190, 180.72, 169.01, 153.06	FFZ	Shanghai, China	28.5
DFOB	Bahrenfeld	190, 160, 180.72, 153.06	DPOC	Ernst von Briesen	190, 180.72, 169.01, 153.06	FFZI	Koukaga, China	28.5
DFOC	Granz	190, 160	DPDD	Dolly Kuhlin	190, 180.72, 169.01, 153.06	FGA	Dakar, Fr. W. Africa	37, 31, 22.50, 26.4, 39.38, 34.5
DFOD	Ditmar Koel	190, 180.72, 169.1, 153.06	DPDE	Hinrich Freise	190, 180.72, 169.01, 153.06	FGB	Port Etienne, Fr. W. Africa	50, 57.37
			DPOF	Fridericus Rex	190, 180.72, 169.01, 153.06	FGB1	Port Etienne, Fr. W. Africa	
DFOE	Bremen	190, 160	DPOG	Jacob Goldschmidt	190, 180.72, 169.01, 153.06	FGC	Conakry, Fr. W. Africa	34, 30.25, 22, 37, 26, 32.31
DFOF	Weser	190, 160	DPOH	Pres. Von Hindenberg	190, 180.72, 169.01, 153.06	FGC1	Senegal, Fr. W. Africa	50
DFOG	Weisbaden	190, 160	DPDI	Island	190, 180.72, 169.01, 153.06	FGD	Tabou, Fr. Old Africa	39, 40
DFOH	Haxtoe	190, 160	DPOJ	Johann Stadlander	190, 180.72, 169.01, 153.06	FGE	Grand Bassam, Fr. W. Africa	34.98, 33
DFOL	Pieckhufer	190, 160	DPOK	Konsul Dulbers	190, 180.72, 169.01, 153.06			
DFOJ	Hans Joachim	190, 160						
DFOK	Konigsberg	190, 160	DPOL	Skoopentank	190, 180.72, 169.01, 153.06			
DFOL	Leipsig	190, 160	DPOM	Fritz Homann	190, 180.72, 169.01, 153.06			
DFOM	Marie Schroder	190, 160	DPON	Nordland	190, 180.72, 169.01, 153.06			
DFON	Nachtigall	190, 160	DPOD	Oscar Neynaber	190, 180.72, 169.01, 153.06			
DFOD	John Mahn	190, 180.72, 169.1, 153.06	DPOP	Spica	190, 180.72, 169.01, 153.06			
			DPOQ	Heinrich Buerin	190, 180.72, 169.01, 153.06			
DFOP	Dortmund	190, 160	DPOR	Orion	190, 180.72, 169.01, 153.06			
DFOQ	Flensburg	190, 180.72, 169.01, 153.06	DPOS	Julius Piekenpack	190, 180.72, 169.01, 153.06			
			DPOT	Schleswig	190, 180.72, 169.01, 153.06			
DFOR	Mariene	190, 160	DPOU	Hamburg	190, 180.72, 169.01, 153.06			
DFOS	Hauseat	190, 160						
DFOT	Neufundland	190, 160	DPOV	August Wriedo	190, 180.72, 169.01, 153.06			
DFOU	Stubbenluk	190, 160	DPOY	Elsie Schroder	190, 180.72, 169.01, 153.06			
DFOV	Vorwärts	190, 160	DPOZ	Fritz Schroder	190, 180.72, 169.01, 153.06			
DFOW	Edward	190, 160	DTOA	Kap Kunin	190, 180.72, 169.01, 153.06			
DFOX	Amtaquiehirat	190, 160						
DFOY	Marie Richardson	190, 160						
DFOZ	Carsten Rehler	190, 160						
DFP	Nauen	37.89						

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
FGE1	Abidjan, Fr. Old Africa	32.37	FNLP	Bauve		FRS3	Saigon, Fr. Indo China	38.50
FGF	Agades, Fr. Old Africa	43, 38, 28, 26, 22	FNLS	Brazza	36, 24.50	FRS4	Saigon, Fr. Indo China	24.80
FGG	Cotonou, Fr. W. Africa	32, 25	FNM	Marigrane, France	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FRS5	Saigon, Fr. Indo China	28.12, 36.86
FGH	Atae, Fr. Old Africa	34				FRU	Hue, Fr. Indo China	62.50
FGI	Chinguetti, Fr. Old Africa	27.5, 31.5				FRV	Vientiane, Fr. Indo China	
FGJ1	Bamako, Fr. W. Africa	34, 22	FNMQ	Foiecauld	36, 24.5	FRV1	Vientiane, Fr. Indo China	36.50, 34.66
FGK	Kabarab, Fr. W. Africa	29	FNN	Nimes, France	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FRZ	Sam Nuea, Fr. Indo China	38
FGK1	Ramako, Fr. W. Africa					FSC	Vinh, Fr. Indo China	72
FGL	Aravuan, Fr. W. Africa	33				FSG	Poulo-Canton, Fr. Indo China	28.30
FGM	Kidal, Fr. W. Africa	41, 45	FNP	Perpignan	55, 43, 27, 25, 44.5, 40.5, 43, 106, 107, 31.98, 27, 25	FSE	St. Assise	22.32, 21.79
FGN	Tindu, Fr. W. Africa	33, 29.5				FSF	Norways, Fr. Indo China	28.12
FGO1	Tahona, Fr. Old Africa	42, 29.5				FSG	Poulo-Gambir, Fr. Indo China	27.803
FGP	Agades, Fr. W. Africa	34.50	FNQ	Montelimar, France	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FSH	Honlon, Fr. Indo China	28.503
FGQ	Bilma, Fr. Old Africa	29				FSI	St. Assise	
FGU1	Akjouit, Fr. W. Africa	54				FSD	St. Assise	22.12
FGV	M'Bout, Fr. Old Africa	42	FNRO	Basse Terre		FSQ	St. Assise	
FGV1	M'Bout, Fr. E. Africa	34	FNOI	Alexandrine		FTA	St. Assise	25.125
FGW	Kaedi, Fr. Africa	42, 57, 87, 27	FNR	Strasbourg, France	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FTB	St. Assise	40.05
FGWT	Kaedi, Fr. W. Africa	45				FTC	St. Assise	14.25
FGX	Dsmailia, Egypt	31				FTO	St. Assise	15.12
FGX1	Ziguincher, Fr. Old Africa	42, 52.4	FNRO	Cuba		FTE	St. Assise	16.44
FGY1	Kiffa, Fr. Old Africa	42, 34	FNRV	Flandre		FTF	St. Assise	38.61
FGZ	Calafra, Malta	57, 37, 26.70, 17	FNRZ	France		FTG	St. Assise	43.92
FGZ1	Nonahchots, Fr. W. Africa	57, 54	FNS	Strasbourg	36, 24.5, 180, 55, 43, 27, 25, 40.5, 43, 106, 107, 31.98, 27, 25, 53	FTH	St. Assise	27.42
FHA1	Lome, Togo	22.43				FTI	St. Assise	27.72
FHA1	Lome, Togo	64.5, 49, 34, 32, 24, 23.54, 22.43	FNSM	Ile de France	36, 24.5	FTJ	St. Assise	18.439
FHA2	Lome, Togo	35	FNTHT	Colombie	36.5, 23.5, 18	FTK	St. Assise	18.80
FHB	Beyrouth, Syria		FNTQ	Paris	36, 24.5	FTL	St. Assise	30.15, 15.51
FHH	Pointe Noire, Fr. E. Africa	32	FNU	Carthage, Tunis	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FTM	St. Assise	15.50
FHH1	Pointe Noire, Fr. E. Africa	32				FTN	St. Assise	24.46
FHH3	Pointe Noire, Fr. E. Africa	30				FTO	St. Assise	16.43
FHK1	Libreville, Fr. E. Africa	30.85	FNU1	La Fayette	36, 24.50	FTU	St. Assise	
FHL	Port Gentil, Fr. E. Africa	41	FNU2	Champlain		FTV	St. Assise	30.97
FHL1	Port Gentil, Fr. E. Africa	41	FNV	Valenciennes, France	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FTX	St. Assise	31.20, 45.58
FHM	Lambarene, Fr. E. Africa	45.75				FTY	St. Assise	38.04
FHP	Bangui, Fr. E. Africa	43, 32	FNW	Tours, France	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FTZ	Tananarive, Madagascar	16.37
FHT	Fort Lamy, Fr. E. Africa	45, 32				FUA	Brest	
FHZ	Brazzaville, Fr. Old Africa	27				FUE	Mengam (Brest)	
FIA	Douala, Fr. Africa	34.50, 27.50	FNX	Bordeaux, France	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FUR	Brest	
FIB	Yaounde, Fr. Cameroons	33.33, 26, 41.1				FUT	Toulon	
FIB1	Yaounde, Africa					FUT	Toulon	
FIC	Saroua, Fr. Cameroon	33.33, 26, 38				FVA	Algiers, Algeria	31
FIC1	Saroua, Cameroons-Africa		FNY	Biarritz	40.5, 43, 53, 55, 107	FW	St. Assise	15.43, 31.2
FIO	Maroua, Fr. Cameroon	33.33, 26, 40	FOA	Ajaccio, Tunis	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FW3	Paris	15.42, 31.2
FIO1	Maroua, Cameroons-Africa					FW4	St. Assise	24.4
FIE	Batouri, Fr. Cameroon	33.33, 26, 38.5	FOAI	Athos 2	36.3, 24	FWX	St. Assise	
FIF	Fr. Cameroon	37, 40.5	FOAJ	Georges Philippae	36, 26.5, 23.80	FXB	Beyrouth, Syria	22.62, 20.15
FIG	Fr. Cameroon	33.50, 37	FOAP	Chantilly		FXC	Beyrouth, Syria	37.57, 40.38
FIH	Fr. Cameroon	33.50, 37	FOAT	D' Artagnan	36, 35.5, 34	FXO	Beyrouth, Syria	33, 28.28, 39.60, 22.002, 18.66, 14.925
FIH1	Fr. Cameroon	37	FOAV	Felix Roussel	36.5, 35.5, 23			
FIJ	Bafia, Fr. Cameroon	43	FOBJ	Sphinx		FXE	Beyrouth, Syria	43, 66, 56, 25.80, 18.43
FIJ1	Bafia, Fr. Cameroon	43	FOEN	Roxane				
FIJL	Diego Suarez, Madagascar	55.04, 36.6	FOHB	Canada	36, 24.5	FXI	Beyrouth, Syria	33
FIJN	Dezoungi, Madagascar	54	FOHD	Patria	36, 24.5	FXJ	Beyrouth, Syria	39.60
FIO	Hellville, Madagascar	53.5, 38	FOHI	Providence	36.5, 35.5, 27, 24	FXK	Beyrouth, Syria	28.275
FIP	M' de Radio, Madagascar	53	FOM	Maregrane, Gignoc, France	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FXL	Beyrouth, Syria	56
FIQ	Mutsamudu, Madagascar	52.5				FXM	Beyrouth, Syria	43
FIR	S. Marie de, Madagascar	52				FXN	Beyrouth, Syria	22
FIS	Tamatave, Madagascar	51.5, 45	FON	Bône, France	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FYA	Pontoise (Paris)	25.63, 25.25, 19.68
FIT	Tulear, Madagascar	51, 38.5				FYB	Pontoise (Paris)	36.63, 36.58, 28.35, 20.15, 20.13, 17.35, 14.29
FIU1	Tananarive, Madagascar	44.5, 37	FONO	Edmond Renè	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FYC	Paris T. S. F.	40.37, 24.793, 18.785, 30.49
FIU1	Busy, Madagascar	50.5	FOP	Perpignan-Slabanère, France		FYO	Pontoise (Paris)	37.15, 29.32, 23.077, 24.79, 74.35, 14.93
FIX1	Pomboni, Madagascar	55.5				FYM	Croix d'Hins	69.124, 44.117, 29.07
FIY1	Madagascar	50, 39	FOOQ	Sierentz	175, 36	FYN	Croix d'Hins	15.217, 38.27
FIZ1	Saharaho, Madagascar	50, 39	FOR	Velega 2	175, 36	FYQ	Croix d'Hins	38.26, 69.12, 15.21
FJF	St. Dennis, Reunion	31, 32.5					Lyon T. S. F.	52.36, 24.95
FJP	Noumea, New Caledonia	24						55.35, 33.849, 29, 20.367, 16.35, 13.233
FJW	Wallis, New Caledonia	22.4						71.77, 40.70, 38, 26.18, 25.75, 20.8, 17.24, 15.10
FLO	Paris	44.5, 25, 17.91				FZA	Saigon, Fr. Indo China	62.35, 38.20, 37.15, 36.65, 17.04
FLE	Eiffel Tower, Paris, France	73.50, 36.75				FZE	Somali Coast, Africa	60.85, 50.79, 25.72, 20.256, 15.345, 15.341, 60.79
FLJ	Issy-les Moulinaux, France	32.5				FZF	Fort de France, Martinique	24.98, 26.30, 19.50, also 39.8, 27.8
FMB	Tamatave, Madagascar	14.5				FXH	Bamaho, Fr. W. Africa	70.92, 70.84, 30.77, 30.78, 19.50, 19.51, 14.71, 44.84
FMN	Beyrouth, Syria							72.90, 29.89, 25.073, 25.06, 16.278, 16.273, 45
FNA	Alger, Maison Blanche	107, 106, 45.5, 40.5, 31.98, 27, 26.1, 25, 17.91	FOS	Victrix	26.3	FZI	Biazzarelli, Fr. E. Africa	61.17, 39.68, 39.63, 25.97, 19.392, 19.386, 62.18, 50.4
			FOTC	Lutetia	25, 22.5, 35			
			FOTI	Marcelin		FZM	Noumea, New Caledonia	37.50, 34.4, also 22, 18.64, 12.93
			FOTN	Massilia	36, 24.50	FZN	Hanoi, Fr. Indo China	51, 38.50, 37, 50.13, also 43.23, 30, 32.82
			FOTP	Bruncaire	36, 27	FZO	Hanoi, Fr. Indo China	25.70, 25.7, 39.70, 28.50, 22.50, also 28.53
			FOVX	Miche Francois	35.5	FZ1	Hanoi, Fr. Indo China	36, 28.20, 24.78, also 28.21
			FOVU	Rosemonde	36.5	FZ2	Hanoi, Fr. Indo China	24.50, also 32.07, 22.86, 24.51
			FOVW	Senniville	35.5, 22.5	FZ3	Hanoi, Fr. Indo China	60.48, 29.76, 18.315, 18.309, 12.875, 12.873
			FOVX	Victoria	46, 36, 24.5	FZ4	Hanoi, Fr. Indo China	23.50, 20, 27.43, 21.8, 18.37, 15.85
			FOXT	St. Jeanne d' Arc	37, 21	FZQ	Hanoi, Fr. Indo China	31.50, 18.50, 31.73, 24.91, 16.32
			FOYQ	Papute	40, 23			
			FPBC	Austral	36, 23			
			FPBG	Vendemiaire	36.60, 23			
			FPBQ	Surges de Joly	190			
			FPCA	Esperance	45, 36			
			FPE	Taiohae, Fr. Oceania	40			
			FPI	Fort de France	35			
			FPQ	Destrellian	62.43, 32.66			
			FQE	St. Assise	24.67			
			FQN	St. Pierre, Fr. St. Pierre	50, 63.9, 18.30			
			FQO	St. Assise, France	24.67			
			FRA	Hanoi, Fr. Indo China	38.50			
			FRB	Battambang, Fr. Indo China	29			
			FRO	Dalat, Fr. Indo China	15.45			
			FRF	St. Assise	33.30			
			FRF1	Fort Bayard, Fr. Indo China				
			FRG	Luangprabung, Fr. China	38			
			FRG1	Laos, Fr. Indo China	41.20			
			FRH	Pompen, Fr. Indo China	60			
			FRI	Puinbon, Fr. Indo China	35, 37.85, 28.02			
			FRK1	Tonkin, Fr. Indo China	35, 37.85, 28.02			
			FRK2	Phuhen, Fr. Indo China				
			FRL	Laichan, Fr. Indo China	34.50			
			FRL1	Liachan, Fr. Indo China	28.04			
			FRN	Nao-Tcheon, Fr. Indo China	15.45			
			FRO	St. Assise	40			
			FRP1	Poulo, Fr. Indo China	42.50			
			FRQ1	Phuquec, Fr. Indo China	36.25, 25.02, 24.2, 16.32			
			FRS	Saigon, Fr. Indo China	22.40			
			FRS1	Saigon, Fr. Indo China	21.50			
			FRS2	Saigon, Fr. Indo China				

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
FZT	Tananarive, Madagascar	39.165, 24.45, 16.76	GFBP	Barrabool	36.5, 26.59, 17.81	GMBJ	Empress of Britian	36.5, 26.59, 17.81, 71.8, 22.62, 67.76, 24.33
FZU	Tananarive, Madagascar	59.76, 20.34, 13.44, 59.76	GFBQ	Bendigo	36.5, 26.59, 17.81	GMBL	Ariguani	36.5, 26.59, 17.81
FZV	Madagascar, Africa	12.2, 15.4, 34.8, 34.48, 15.09, 12.24	GFBG	Andora	36.5, 26.59, 17.81	GMBN	Casare	36.5, 26.59, 17.81
FZW	Tananarive, Madagascar	39.215, 24.435, 13.42, 44.71, 30.5	GFBH	British Colonel	36.5, 26.59, 17.81	GME	Grimsby	16.42
FZX	Tananarive, Madagascar	19.50	GFBF	Comorin	36.5, 26.59, 17.81	GMF	Grimsby	15.95
FBBZ	France	42.80	GFBG	Felixstowe	36.5, 26.59, 17.81	GMG	Guernsey	197
FBBR	Constanten, Algiers	43.50	GFBH	Worthing Down	40.32	GMM	Malin Head	16.216
FBBM	Morocco	43.50	GFBJ	Aldergrove	22.22	GMMH	Boalmin	16.146
G—GREAT BRITAIN								
GAA	Rugby	14.72	GFBK	Ismailia, Egypt	22.22	GMI	Grimsby	192.3, 161.5, 125
GAB	Rugby	16.83	GFBM	London	36.49, 26.59, 17.81	GMIJ	Boalmin	36.54, 26.59
GAP	Rugby	15.86	GFBN	Orlando	36.5, 26.59, 17.81	GMIK	Empress of France	36.5, 26.59
GAQ	Rugby	15.81	GFBP	Calahot	46.15	GMLV	Empress of Japan	36.24
GAS	Rugby	15.38	GFBQ	Mountbatten	70	GMLS	Triona	36
GAU	Rugby	16.11	GFBG	Mountbatten	180	GMP	Reina del Pacifico	36.5, 26.59, 17.81
GAW	Rugby	16.06	GFBH	Pole Star	36.5, 26.59, 17.81	GMPV	Bayruper	36.5, 26.59, 17.81
GAX	Rugby	16.48	GFBJ	Windsor Castle	36, 27	GMPY	Accia	35.6, 26.59, 17.81
GBA	Rugby	21.44	GFBK	Polar Chief	36, 27	GMSB	Apapa	36.5, 26.59, 17.81
GBB	Rugby	22.08	GFBM	Vandyck	36, 27	GMT	Almeda Star	36.5, 26.59
GBC	Rugby	60.30, 84.66, 23.47, 17.56	GFBN	Sealand, Wales	36.5, 26.59, 17.81	GMTN	Shropshire	36.5, 26.59
GBE	Grimsby	16.42	GFBP	Oxfordness Light House	22.22	GMB	North Foreland	109.80
GBH	Grimsby	25.927, 25.923, 25.906, 25.891, 25.886	GFBQ	British Somaliland	44.48	GMBH	Grimsby	25.895
GBI	Grimsby	34.204, 34.196, 34.168, 34.141, 34.134, 16.224, 16.208	GFBG	Flowdown	36.5	GMBI	Isle of Wight	36.5, 26.69, 23.75, 17.81
GBJ	Bodmln.	34.048, 34.040, 34.013, 33.986, 33.979, 16.154, 16.138	GFBH	Orama	36.5, 17.8	GMBJ	Migrant	36.5, 26.69
GBK	Rugby	34.429, 32.422, 32.397, 32.373, 32.366, 16.583, 16.566	GFBJ	Empress of Australia	36.5, 17.8	GMBK	Laurentic	36.5, 26.69
GBL	Oxford	56.33, 42.96, 28.16	GFBK	Oneravon	198, 176.5, 159.1, 46.7	GMBL	Thomas Bartlett	36.5, 26.59, 17.81
GBM	Leafields	33.8	GFBM	British Grenadie	36.5, 17.81	GMBN	Orford	36.5, 26.59
GBMT	Vikingen	32.54, 27.37, 22.132, 44.28	GFBN	British Gunner	36.5, 17.81	GMBP	Dutchess of Athol	36.5, 26.59
GBN	Oxford	15.275	GFU	Uxbridge	198, 176.5, 159.1, 46.7	GMBQ	Dutchess of Bedford	36.5, 26.59
GBD	Rugby	27.855	GFUP	Druban	22.22	GMBR	Newwaren	150
GBQ	Rugby	22.28	GFV	Bagdad, Iraq	36, 27	GMBW	Dromore Castle	75, 22.4
GBR	Rugby	36.54, 26.69, 17.81	GFV	Anglo Norse	36, 27	GMBX	Niagara	37.5, 17.85
GBRQ	Cunard Aquitania	24.69	GFV	British Chancellor	36.54, 26.35, 17.06	GMBY	Margaret Rose	177.5
GBT	Rugby	24.41	GFV	British Trader	36.5, 17.81	GMBZ	Grimsby	31.66
GDU	Rugby	20.78	GFV	Ambala, India	44.44, 22.21	GMC	Grimsby	29.40
GBW	Rangitane	36.5, 26.59, 17.81	GFV	S. Gerardo	36.5, 26.59	GMD	Grimsby	34.168
GBWX	Rugby	28.49	GFV	Majestic	22.24	GME	Portpatrick, Scotland	36.5, 26.68, 17.81
GBX	Oronis	36.6, 26.59	GFV	British Ismailia, Egypt	54.19, 13.469	GMY	Achimota	36.5, 26.68, 17.81
GBXM	Aretie Queen	36.5, 26.59, 17.81	GFV	Empress of Canada	36, 14	GND	Parkiston Quay	197
GBZL	Cunard Berengaria	36.54, 26.59, 17.81	GFV	British Enterprise	36.19, 26.59, 17.81	GNE	Queen Victoria Lifeboat	197
GCA	Rugby	30.895	GFV	British Corporal	36.54, 26.35, 17.06	GNG	Ingoma	36.5, 26.59, 17.81
GCB	Rugby	32.33	GFV	British Mariner	36.59, 26.59, 17.81	GNI	New Sevilla	36.5, 26.59, 17.81
GCC	Northumberland	36.5, 26.59, 17.81	GFV	British Workman	36.5, 26.59, 17.81	GNI	Lancashire	36.5, 26.59, 17.81
GCCF	Cathay	190, 17.75	GFV	British Councillor	36.5, 26.59, 17.81	GNI	Lady Astley	150
GCS	Lady Rachel	36.5, 26.59, 17.81	GFV	British Commander	36.5, 26.59, 17.81	GNI	Tevera	A1-2-3, 150
GCK	Valintca	36.5, 26.59, 17.81	GFV	British General	36.5, 26.59, 17.81	GNI	Tekoura	A1-2-8, 150
GCKZ	Lord Melchett	37.88	GFV	British Advocate	36.54, 26.35, 17.66	GNI	Grenada, B. W. I.	36.54, 26.85, 17.06
GCP	Rugby	34.25	GFV	British Engineer	36.5, 26.59, 17.81	GNI	Fishguard	36.54, 26.85, 17.06
GCS	Rugby	33.26	GFV	British Sergeant	36.5, 26.59, 17.81	GNI	Georgic	36.54, 26.85, 17.06
GCTZ	Naldera	36.5, 26.59	GFV	British Commerce	36.5, 26.59, 17.81	GNI	Antrim, Ireland	36.5, 26.59, 17.81
GCU	Rugby	30.15	GFV	Crestpower	177.5	GNI	Corfa	36.5, 26.59, 17.81
GCVB	Narkuudo	36.5, 17.8	GFV	British Commodore	36.54, 26.35, 17.06	GNI	Carthage	36.5, 26.59, 17.81
GCW	Rugby	30.645	GFV	British Lord	36.5, 26.59, 17.81	GNI	Strathnaven	36.5, 26.59, 17.81
GCWD	Rhodora	36.5, 26.69	GFV	Adda	36.49, 26.59, 17.81	GNI	Dollis Hill	36.5, 26.59, 17.81
GCX	Rugby	33.63	GFV	British Premier	36.5, 26.59, 17.81	GNI	Strathaird	36.49, 26.58, 17.81
GCZL	Arundel Castle	36.5, 23	GFV	British Captain	36.5, 26.59, 17.81	GNI	Lifeboat Wm. C. Kate	A3, 190, 180
GDFK	Rugby	44.15	GFV	Owusay	36.49, 26.59, 17.81	GNI	Dilimer	A3, 177.5
GDJZ	Fantome 2	36.5	GFV	British Lady	36.54, 26.59, 17.06	GNI	Bass Rock	177.5
GDKB	California	36.5, 26.59	GFV	Camaroon Castle	36.5, 23	GNI	Pomona	177.5
GDKC	Dorsetshire	36.5, 26.59	GFV	British Yeoman	36.5, 26.59, 17.81	GNI	Stanpel	177.5
GDKD	Yorkshire	36.5, 26.59	GFV	British Huzzar	36.49, 26.59, 17.81	GNI	Thomas Hawkins	177.5
GDLJ	Homerie	36.5, 26.59	GFV	Southern King	36.5, 26.59	GNI	Wm. Caldwell	177.5
GDLN	Tuscania	36.5, 26.59	GFV	Northholt-London	36.5, 26.59	GNI	Emu	177.5
GDLP	Owpesa	36.5, 26.59, 17.81	GFV	Northholt-London	36.5, 26.59, 17.81	GNI	Tholland	26.59, 17.81, 36.54
GDM	Dungness Lighthouse	43.45	GFV	Cavina	36.6, 26.59, 17.81	GNI	Erin	88.54, 26.35, 23.42, 17.08
GDS	Rugby	35.5, 17.75	GFV	Minnetonka	177.5	GNI	Normandy	190
GDBV	Aorangi	36.5, 26.59, 17.81	GFV	Orkney Islands, Scotland	177.5	GNI	Antrins	36.5, 26.58, 17.81
GDVZ	Moldavia	40.11	GFV	Orkney Islands, Scotland	177.5	GNI	Craggove	36.5, 26.58, 17.81
GDW	Rugby	36.5, 26.59, 17.81	GFV	Earl Essex	177.5	GNI	M. C. Leonie	36.5, 26.58, 17.81
GDXF	M. V. Britannic	36.5, 26.59, 17.81	GFV	British Progress	36.5, 26.59, 17.81	GNI	Arctic Prince	36.5, 26.58, 17.81
GDXS	Camerounia	36.5, 26.59, 17.81	GFV	Fegenta	36.5, 26.59, 17.81	GNI	Vaeuoline	36.54, 26.59
GDZP	Somersetshire	36.5, 26.59	GFV	Ranpara	36.5, 26.59, 17.81	GNI	Staffordshire	36.54, 26.59
GDZV	Makma	36.1, 23.1	GFV	Wick, Scotland	36, 22.6	GNI	Dutchess of Richmond	36.5, 26.59
GEC	Caidington	36.5, 26.59, 17.81	GFV	Arywco	26.59, 17.81, 36.49, 24.27, 36.54, 24.17, 18.25	GNI	Stonehaven, Scotland	150
GED	Croydon	43.01	GFV	Portishhead	26.59, 17.81, 36.49, 24.27, 36.54, 24.17, 18.25	GNI	Rangiliki	36
GEFT	H. M. S. Concord	44.40	GFV	Portishhead	36.54, 26.59	GNI	Dutchess of York	36.5, 26.59
GEF	Lympnc Kent	22.2	GFV	Humber Yorkshire	36.5, 22.8	GNI	Rangitata	36.5, 26.59, 17.81
GEM	Manchester	44.40	GFV	Monowai	36.5, 22.8	GNI	Laurelwood	81.52
GED	Singapore, China	44.40	GFV	Camaroun	177.5	GNI	Thomas Leeds	81.52
GED2	Singapore Str. Settlements	44.40	GFV	Windward Ho	177.5	GNI	Tally Ho	81.52
GER	Renfrew, Scotland	54	GFV	Lands End Yorkshire	36.5, 26.59, 17.81	GNI	Daily Mail	81.52
GEY	Channel Islands	32.39	GFV	Camaroun	36.5, 26.59, 17.81	GNI	Daily Mirror	177.5
GEZ	Gen'l Call All British Ships	43.01	GFV	Chitral	36.5, 26.59, 17.81	GNI	Daily Herald	177.5
GFA2	London	43.01	GFV	Ranchi	36.5, 26.59, 17.81	GNI	Daily Express	177.5
GFA3	London	108	GFV	Carinthia	36.54, 26.59, 17.81	GNI	Stender	177.5
GFB2	Croydon	36.5, 26.59, 17.81	GFV	Transylvania	36.5, 26.59	GNI	Keves	177.5
GFB3	Croydon	36.5, 26.59, 17.81	GFV	Asturias	36.54, 26.59	GNI	S. Sebastian	177.5
GFB	Mooltan	36.5, 26.59, 17.81	GFV	Eburaa	36.54, 26.59	GNI	Ferrol	177.5
GFBZ	Malojo	36.5, 26.59, 17.81	GFV	Mauretania	36.54, 26.59, 17.81	GNI	Frascate	177.5
GFB	Mongolia	36.5, 26.59, 17.81	GFV	Caronia	36.54, 26.59, 17.81	GNI	Saurian	177.5
GFB	Ballarad	36.5, 26.59, 17.81	GFV	Aquitania	36.54, 26.59, 17.81	GNI	Wm. Humphries	177.5
GFBM	Bahanald	36.49, 26.59, 17.81	GFV	Adriatic	36.5, 26.59	GNI	Arthur Cavanagh	177.5
GFBN	Baradine	36.5, 26.59, 17.81	GFV	White Star Olympic	36.5, 26.59, 35.35, 24.23, 18.25	GNI	William Downes	177.5
			GFV	Appam	36.5, 26.59, 17.81	GNI	Michael Griffith	177.5
			GFV	Liverpool	36.49, 26.59, 17.81	GNI	Normandy	177.5
			GFV	Kaisur I. Hind	36.49, 26.59, 17.81	GNI	Gordon Richards	177.5
			GFV	Viceroy of India	36.54, 17.81	GNI	Kuroki	177.5
			GFV	Llandeverey Castle	36.5, 26.59, 17.81	GNI	Caldy	177.5
			GFV	Rajputana	36.5, 26.59, 17.81	GNI	Seebech	177.5
			GFV	Antung	36.5, 26.59, 17.81	GNI	Tracola Prince	177.5
			GFV	Cheshire	36.5, 26.59	GNI	Maeaco	177.5
			GFV	Adventures	36.54, 26.59, 17.81	GNI	Tencor	177.5
			GFV	Derbyshire	36.5, 26.59	GNI	Charmouth	177.5
			GFV	Gloucestershire	36.5, 26.59	GNI	Tracola Prince	177.5
			GFV	Lancashire	36.5, 26.59	GNI	Charmouth	177.5
			GFV	British Exhibitor	36.5, 26.51, 17.81	GNI	Ermine	177.5
			GFV	Oxfordshire	36.5, 26.59	GNI	Kenneth McRae	177.5
			GFV	Northland	190	GNI	Lily McRae	177.5
			GFV			GNI	Rivisby	177.5
			GFV			GNI	Wistow	177.5

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
GTPJ	Bostonian	177.5	IBEI	Conte Rosso	32, 15	JPN	Palao	33.33
GTPY	Warwick Castle	36.5, 26.59, 17.81	IBFB	Andrea	32, 15	JPP	Tokyo	39.70, 49.34
GTPZ	Winchester Castle	36.5, 26.59, 17.81	IBFD	Augustus	32, 15	JPS	Sapporo	59.52, 37.97, 29.07
GTRM	Tenidos	177.5	IBGI	Conti Verde	32, 15	JQUB	Shunkotsu Marie	46.88, 36.06, 27.08
GTSB	Daily Telegraph	190	IBIE	Belvedere	32, 15	JQY	Niigata	171, 60.85
GTSB	Monarch of Bermuda	110, 71.8, 71.16, 54.94, 33.9	IBLI	Constantinofoli		JQZ	Awachima	171
GTSL	Pasages	190	IBDF	Caboto	32, 15	JRK	Kagoshima	
GTVX	Lady Beryl	190, 777.5	IBRZ	Oragio		JRDB	Shiunaburu	46.88, 36.06, 27.08
GTVY	Malayan	177.5	IBSJ	Duilio	32, 15	JRT	Torakku	41.10, 31.91, 20.68
GUA	Tobermory, Eng.	197	IBTL	Fella	32, 15	JRU	Ponapi	42.98, 33.71, 21.49
GUB	Lochboisdale, Eng.	197	IBUL	Feltre	32, 15	JRW		
GUF	Alderney, Eng.	197	IBXG	Celliem	32, 15	JRY	Angauru	50.51, 32.82
GUG	Guernsey, Eng.	197	IBXV	Merluzzo	46, 32, 15	JRYB	Terukuni Marie	46.88, 36.06, 28.73
GUR	Folkstone Harbor	150	IBYH	Colombo	32, 15	JRZ	Yappu	51.72
GXA	British Navy		ICDC	Prinpeesse Giovanna	32, 15	JSQB	Shiraha Marie	36.06
GYA	London		ICEV	Roma	32, 15	JTMD	Taisee Marie	46.88, 36.06, 23.73
GYP	Cleethorpes		ICF	Messina-Sicily		JTY	Toyokara	43.54, 33.11, 25.91
GYS	Horsia	33.11	ICGZ	Saturnia	32, 15	JVB	Tokyo	
GZD	Portsmouth		ICDF	Vuleania	32, 15	JWEB	Yashiro Marie	46.88, 36.06, 23.73
GZE	Ipswich		ICPD	California		JZLB	Seukia Marie	46.88, 36.06
GZF	Pembroke		ICU	Tobruk, No. Africa	52.98	JZMB	Tauin Marie	46.88, 36.06
GZH	Rosyth, Scotland		ICX					
GZJ	Horsia	22.11	IDB	Albania				
GZK	Chatham		IDK	Livorno				
GZM	Portsmouth		IDM	Rhodes	73.15, 42.5, 30.76			
GZN	Portland Hill		IDD	Rome				
GZO	Plymouth		IDP	Cagliari				
GZP	Hong Kong, China	32.75	IDX	Asumara	38.03			
GZQ	Portsmouth		IDY	Sassari P. P. T. T.	42.97			
GZR	Portland Doek		IDZ	Italian Somaliland	44.91			
GZS	Gibraltar		IMA	Rome	43.50			
GZT	Castille, Malta	128.50	IPR					
GZU	S. Angelo, Malta		IQA	Peking, China (Italian)	35.09			
GZV	Matara Ceylon, India		IQB	Fiume				
GZW	Tanganyika, Africa		IRG	Massaua	55			
G2AA	Portsmouth Doek		IRI	Rome				
G2AB	Rugby	36.0, 35.82, 34.56, 23.47, 17.56, 60.30	IRK	Rome	23.91			
G2AC			IRL	Rome	14.691			
G2AD			IRR	Rome	23			
G2AE			IRT	Rome				
G2AF			IRV	Rome				
G2AG			IRW	Rome				
G2AH			ISJ	Afgoi, Italian Somaliland	36.607			
G2AI			ISL	Afgoi, Italian Somaliland	36.61, 28.53			
G2AJ			ISP	Afgoi, Italian Somaliland				
G2AK			ISQ	Afgoi, Italian Somaliland				
G2AL			IST	Afgoi, Italian Somaliland				
G2AM			ISV	Afgoi, Italian Somaliland				
G2AN			ISZ	Alula	55, 50			
G2AO			IIRG	Rome	10			
G2AP								
G2AQ								
G2AR								
G2AS								
G2AT								
G2AU								
G2AV								
G2AW								
G2AX								
G2AY								
G2AZ								
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G2CJ								
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G2CM								
G2CN								
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G2GG								

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
LONE	Bisca	36			13.08, 13.01, 12.98, 37.969, 29.126	OOFA	Fernand Hardyner	180
LONV	South Africa	35.1, 33.7	LSM	Monte Grande	29.13, 20.69, 15.67, 14.18, 14.10, 13.41	OOGB	Elizabethville, Belg. Congo	35.67
LOOB	Thermophla	36, 27				OOHB	Les Trois Freres	180
LOOI	Minister Wedel	35.1, 33.7	LSN	Monte Grande	30.33, 24.61, 20.65, 18.97, 16.83, 15.27, 14.27	OOIB	Elizabethville, Belg. Congo	30.65
LOOK	Silva					OOJB	Bonne Esperancee	180
LOPE	Skudd 5	35.1, 33.7	LSO	Buenos Aires	52.61, 69.42, 62.63, 40.21, 30.99	OOJB	Jeanne D'Are	180
LOPL	Velma	35.1, 33.7				OOK	Leopoldville, Belg. Congo	31.20
LOPO	Tborshaon	35.1, 33.7, 27.3, 26.3	LSR	Buenos Aires	16.82	OOKB	Elsa	180
LOPP	Tborsholm	35.1, 33.7, 27.3, 26.3	LSS	Buenos Aires	22.14	OOL	Leopoldville, Belg. Congo	30.41
LOQE	Bouvet I.	35.1, 33.7	LST	Buenos Aires	32.93	OOLB	H. B. L.	180
LOQQ	Nore	36, 27	LSU	Buenos Aires	26.71	OOMB	Leopoldville, Belg. Congo	34.58
LOQR	Norfold	36, 27	LSV	Buenos Aires	44.58, 26.71	OOB	Melanie Rachel	180
LOQS	Novvinn	36, 27	LSW	Buenos Aires	30.48, 26.71	OOB	Marie Maurice	180
LOQT	Norbis	36, 27	LSX	Monte Grande	28.99	OOB	Providentia	180
LOQU	Vigdis	36, 27	LSY	Monte Grande	14.49	OOB	May	180
LOQX	Vestvangen	35.1, 33.7, 27.3, 26.3	LSZ	Monte Grande	27.17	OOB	Roger Henri	180
LORK	Austvangen	36.6, 33.7, 27.3, 26.3	LVA	Guatamala City		OOS	Stanleyville, Belg. Congo	34.80
LORM	Troja	36, 27	LVB	Buenos Aires	110, 103, 63.03, 65.99, 34.01	OOSB	Prince Charles	180
LORZ	Hala Rindsen		LVC	Buenos Aires	106, 62.35, 60	OOT	Stanleyville, Belg. Congo	30.94
LOSB	Havdert	60, 30	LVD	Buenos Aires	110.49, 51.90	OOTB	Princess J. Charloote	180
LOSO	Norden	35.1, 33.7	LVE	Buenos Aires	107.14, 61.54	OOU	Stanleyville, Belg. Congo	32.45
LOSP	Korsbik	27.3, 26.3	LVF	Buenos Aires	63.96	OUB	E. H. 15	195
LOSQ	Fjordaa	35.1, 33.7				OUB	Albatros	180
LOSR	Vardaas	35.1, 33.7	LVM	Buenos Aires	106, 62.35, 60	OVB	Sophie Francois	180
LOSY	Svend Foyn	36, 24	LVP	Bahia Blanca	110.49, 51.90	OVB	N. D. du Pupetuel	180
LOVA	Pontos	36, 27	LVR	Buenos Aires	107.14, 61.54	OVB	Andre Marcel	180
LOW	Fauske		LVS	Buenos Aires	63.96	OPAB	Agnele Emile	180
LECA	Svend Foyn 2	35.1, 33.7, 27.3, 26.3				OPB	Coquilhatville, Belg. Congo	17.49
LEHM	Vislebari	36, 27	LZA	Sofia	20.4	OPC	Mathilde	180
LFBA	Bergensfjord	36, 27	LZB	Sofia	40.21	OPCA	Maria Ludevia	180
LFSA	Stavangerfjord	36, 27				OPEA	Coquilhatville, Belg. Congo	34, 24, 18
LGB	Bergar	35.71, 26.90, 18.10				OPEB	Basite Georges	180
LGF	Fauske	47.6, 30, 35.59	MMC	Cromu Lighthouse		OPB	Gabriella	180
LGJ	Jeloy	35.71, 45.8, 37.5, 26.9, 23.75	MMK	Kinnard Lighthouse		OPB	Heliopolis	36.5, 26.60, 17.81
LGS	Svalbard	39, 32.5, 26.98	MSG	Skerry Lighthouse		OPL	Leopoldville, Belg. Congo	14.97
LHIA	Suderooy	35.1, 33.7	MUU	Carnavon, Wales		OPM	Leopoldville, Belg. Congo	29.50
LMB	Bergen	104, 43				OPMB	Trins Boudewijn	180
LMI	Jan Mayen	36, 31				OPNB	Brussels Airport	43
LMO	Oslo	104, 50.6				OPO	Lindbergh III	180
LMT	Toromso	43				OPB	Albert Madeline	180
						OPB	Cataliny	180
						OPB	Raphael Gabrielle	180
						OPTA	Thysville	34, 24, 18
						OPTB	Raphael Georges	180
						OPUB	Frans Leguin	180
						OPVB	Neptune	180
						OPWB	Reinsdes Angas	180
						OPXB	Angelus	180
						OPYB	Bertha Lind	180
						OQA	Rigoma, Belg. Congo	49.46, 88.68, 22.05
						OQB	Bumba, Belg. Congo	44.47, 37.05, 24.82, 37.33
						OQC	Coquilhatville, Belg. Congo	45.25, 33.46, 24.39, 52.08, 17.45
						OQCI	Coquilhatville, Belg. Congo	36.42
						OQO	Kinder, Belg. Congo	44.21, 36.27, 23.33
						OQE	Costermansville, Belg. Congo	48.05, 36.12, 24.61
						OQF	Port Franqu, Belg. Congo	46.66, 35.97, 22.16
						OQG	Kongalo, Belg. Congo	43.85, 35.82, 23.11
						OQH	Elizabethville, Belg. Congo	46.18, 33.61, 26.07, 15.44
						OQI	Lisala, Belg. Congo	44.80, 35.35, 23.82
						OQJ	Iungo, Belg. Congo	46.83, 35.19, 24.05
						OQK	Akeli, Belg. Congo	44.27, 35.06, 26.26
						OQL	Leopoldville, Belg. Congo	36.60
						OQM	Lasambo, Belg. Congo	53.10, 37.54, 26.71
						OQN	Irunu, Belg. Congo	85.71, 43.6, 34.12, 33.31, 24.70
						OQO	Rasoko, Belg. Congo	46.40, 33.9, 25.03
						OQP	Astrida, Belg. Congo	53.86, 37.66, 25.94
						OQQ	Libongo, Belg. Congo	52.13, 33.31, 23.03, 34.13
						OQR	Usumbura, Belg. Congo	47.06, 33.14, 22.38
						OQS	Stanleyville, Belg. Congo	43.1, 22.65, 14.67, 37.10
						OQT	Buta, Belg. Congo	48.75, 32.19, 24.63
						OQU	Basankusu, Belg. Congo	49.02, 82.06, 25.08
						OQV	Albertville, Belg. Congo	45.66, 31.76, 26.16
						OQW	Bandundu, Belg. Congo	45.42, 37.24, 25.64
						OQX	Kabinda, Belg. Congo	50.85, 31.20, 23.87, 34.98, 22.53
						OQY	Niangara, Belg. Congo	53.42, 31.07, 32.62
						ORA	Ruyssede	15.19
						ORAB	Raymond Camiel	180
						ORB	Ruyssede	27.15
						ORC	Ruyssede	38.58
						ORCB	Gonge Jan	180
						OROB	Gabrielle Marie	180
						OREB	Alex Raebet	180
						ORFB	General Jacques	180
						ORG	Ruyssede	15.625
						ORH	Elizabethville, Belg. Congo	15.44
						ORHB	Hector Franz	180
						ORJB	Ons Welzijn	180
						ORK	Ruyssede	29.04
						ORL	Leopoldville, Belg. Congo	14.56
						ORLA	Albertville	34, 24, 18
						ORNB	Germain Denice	180
						ORO	Ruyssede	15.966
						OROB	Roger Denise	180
						ORP	Ruyssede	22.78
						ORPB	Marchal Foch	180
						ORR	Ruyssede	31.04
						ORRB	Madeleine Henritte	180
						ORS	Stanleyville, Belg. Congo	14.57
						ORSB	Frans Marie	180
						ORT	Ruyssede	65.81
						ORTA	Kening Albert	176.5
						ORU		
						ORUB	Maurice Andre	180
						ORVB	Van Eyke	180
						ORWB	Atlantic	180
						ORXB	Anna	180
						ORYB	De Zeemuw	180

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
ORXB	Maris Stella	180	OXZE	Bornholm	178	PGB	Kootwijk	36.787
OSAB	Van der Gocs	180	OYA	Eskimonaaes	200, 150, 100, 17	PGC	Kootwijk	32.02, 32
OSB1	Kikwit, Belg. Congo	35.52, 45.9, 30.65, 22.21	OYAE	Nordborg	80, 30	PGO	Kootwijk	49.75, 49.83
OSB1	Boende, Belg. Congo	34.71, 49.51, 30.41, 24.96	OYB	Ellnoe	200, 150, 100, 17	PGOU	Neiltje Jacoba	160
OSB1	Van der Weyden	180	OYBA	Aaros	75, 22.4	PGOB	Orandia	36, 24
OSOI	Kigala, Belg. Congo	47.28, 34.42, 23.43	OYEO	Julianaabaab	39.630	PGRJ	Patria	36, 24
OSOB	Costeset Bellonte	180	OYF	Ikjohensaren	75, 22.4	PGSY	Pieter Cornelison	36, 24
OSE1	Kanda-Kanda, Belg. Congo	51.68, 36.76, 23.54	OYFO	Julianaabaab	32.223	PGVC	Pres. Jan Leis	160
OSF1	Eolo, Belg. Congo	50, 36.9, 24.27	OYGE	Holdenghus	178	PGVO	Pres. J. V. Wierdsma	160
OSFB	Wimpep	180	OYIE	Flynderborg	60, 20	PGVH	Prins der Nederlanden	36, 24
OSG1	Lulvahourg, Belg. Congo	52.60, 31.49, 22.81	OYK	E. M. Dalgas	70, 25	PGVL	Prinses Juliana	157
OSGB	Irene Joseph	180	OYLD	Zealand	38.911	PHEG	Rotterdam	36, 24
OSH	Gule, Belg. Congo	50.42, 34.30, 24.14	OYOE	Odense	178	PHMD	Sibajak	36, 24
OSI1	Gale, Belg. Congo	32.94, 50.42	OYPE	Bornholm	50, 30	PHMH	Siberie	157
OSIA	Q' Avenue	36, 24, 17	OYQ	Thorshava	38.91, 36.23	PHMS	Simon Boleiae	36, 24
OSIB	Irma Aliee	180	OYQE	Odin	178	PHO	Huizen	16.88
OSJB	Oceanic	180	OYRE	Sonja	70, 25	PHDB	Stamat	36, 24
OSK1	Kitega, Belg. Congo	44.02, 37.95, 23.23	OYSE	Aase Marsk	80, 30	PHSN	Statindam	36, 24
OSKB	Julien Marie	180	OZAE	Nordhavet	80, 30	PHWF	Tarana	197
OSL	Leopoldville, Belg. Congo	25.22	OZBB	Chr. Sass	70, 25	PHXF	Telene	173, 157
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OSWB	Wilde Roos	180	OZHB	Viking	180			
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OTGB	Gabrielle Lueien	180	OZPE	Arria	70, 20			
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PCNZ	Aludra	16.009
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PKK	New Guinea	39.06, 35.97, 22.71, 22.32
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PKX	Malabar	18.8, 14.85
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PLJ	Malabar	27.75, 25.9
PLK	Malabar	26.2
PLL	Bandoeng	27.3
PLM	Malabar	28.09, 28.12, 28.06
PLN	Bandoeng	28.82, 27.88, 28.22
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PLP	Malabar	30.487
PLQ	Malabar	31.87, 31.86, 31.9
PLR	Bandoeng	36.92
PLS	Malabar	11.44
PLT	Malabar	12.6
PLU	Malabar	13.04
PLV	Malabar	15.54, 15.48
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PMB	Malabar	40.22, 40.18
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PME	Malabar	17.02, 40.76, 32.12
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PMK	Malabar	
PMN	Malabar	
PMO	Malabar	
PMR	Malabar	
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PPH	Sepetiba	25.146
PPI	Pernambuco	75, 34.88, 34.48, 83.4
PPK	Porto Alegre	75, 34.88, 34.48, 83.4
PPM	Sepetiba	29.06
PPN	Natal Norte	75, 34.88, 34.48, 83.4

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
PPO	Olinda	62.25, 54.35, 27.21	PQYB	Araguaya	36.85	PRGA	Avenida Rio de Janeiro	83.4
PPP	Pelotas	75, 34.88, 34.48, 83.4	PQYC	Araguaya	27.829	PRGB	Bahia	83
PPU	Sepetiba	15.575	PQYO	Araguaya	19.88	PRGC	Bahia	83.4
PPV	Sepetiba	21.818	PQZ	Soure, Para	94.8	PRGF	Florianopolis	83.4, 75, 35, 34.48
PPW	Sepetiba	27.62, 25.15	PQZA	Soure	42.978	PRGI	Fernando de Noronha	83.4
PPX	Sepetiba	14.47, 29.06, 43.59	PQZB	Soure	34.92	PRGK	Porto Alegre	83.3
PPX2	Sepetiba	43	PQZC	Soure	19.51	PRGM	Maceio	83.4
PPZ	Recife	16.515	PRA	Porto Alegre	61.86	PRGN	Natal, Norte	83.4
PQAA	Boceado Aere	106.4	PRB	Rio de Janeiro	60.97	PRGP	Pelotas	83.4
PQAB	Boceado Aere	50.89	PRBC	Recife	160	PRGR	Recife	83.4
PQAC	Boceado Aere	34.09	PRBD	Joao Pessoa	160	PRGS	Santos	83.4
PQAD	Boceado Aere	21.731	PRBE	Campina Grande	160	PRGV	Victoria	83.4
PQB	Belem, Para	105.7, 21.71, 29, 32.86	PRBF	North Natal	160	PRH	Fortaleza	27.22
PQBA	Belem Para	56.39	PRBH	Joao Pessoa	70.1	PRI	Iguassu	62.12
PQBB	Belem Para	43.73	PRBI	Campina Grande	70.1	PRIA	Iguassu	76
PQBC	Belem Para	37.593	PRBJ	Recife	70.1	PRIB	Iguassu	33.76
PQBO	Belem Para	35	PRBK	Rio Branco	70.1	PRIC	Iguassu	18.99
PQBE	Belem Para	32.858	PEBL	Limoeiro	70.1	PRIO	Iguassu	89.68
PQBF	Belem Para	28.99	PRBM	Caruaru	70.1	PRIE	Cachoeira	86.8
PQBG	Belem Para	27.27	PRBN	Granhums	70.1	PRIF	Nietheroy	61.09
PQBH	Belem Para	21.708	PRBO	Rio de Janeiro	170	PRIG	Nietheroy	39.61
PQCA	Cruzeiro	105.3	PRBP	Rio de Janeiro	170	PRIH	Nietheroy	27.397
PQCB	Cruzeiro	21.69	PRBQ	Recife	63.02	PRII	Nietheroy	22.03
PQCC	Cruzeiro	20.43	PRBR	Seria Grande	63.02	PRIJ	Recife	15.564
PQD	Teffe	104.9	PRBS	Rio de Janeiro	27.3	PRIK	Recife	14.45
PQDA	Teffe	37.45	PRBT	Porto Alegre	28.45	PRIL	Cachoeira	55.3
PQDB	Teffe	24.732	PRBU	Belem	28.45	PRIM	Cachoeira	32.68
PQDC	Teffe	21.868	PRBV	Campina Grande	80	PRIN	Cachoeira	24.54
PQE	Maues	104.6	PRBW	Recife	80	PRIO	S. Paulo	140.1
PQEA	Maues	50.406	PRBX	Natal Norte	80	PRIP	S. Paulo	43.041
PQEB	Maues	38.496	PRBY	S. Paulo	33	PRIQ	S. Paulo	37.5
PQEC	Maues	33.076	PRBZ	S. Vicente	33	PRIR	S. Paulo	33.78
PQED	Maues	21.606	PRC	Rio de Janeiro	54.05	PRIS	S. Paulo	27.78
PQEF	Joao Priscoa	104.2	PRCA	Corumba	105.8	PRIT	S. Paulo	22.935
PQFC	Joao Pessoa	21.567	PRCB	Corumba	42.92	PRIU	Recife	44.31
PQG	S. Gabriel Amazonas	103.8	PRCC	Corumba	23.37	PRIV	Recife	43.103
PQGA	S. Gabriel	43.988	PRCO	Porto Alegre	44.64	PRIW	Recife	31.03
PQGB	S. Gabriel	31.12	PRCE	Porto Alegre	29.296	PRIX	Recife	27.6
PQGC	S. Gabriel	21.51	PRCF	Porto Alegre	23.38	PRIY	Recife	27.6
PQH	Humayta	103.5	PRCG	Porto Alegre	14.59	PRIZ	Recife	22.97
PQHA	Humayta	50.2	PRCH	Porto Alegre	149.3	PRJ	Therезina	54.25
PQHB	Humayta	38.241	PRCI	Rio de Janeiro	147.8	PRJA	Rio de Janeiro	75
PQI	Benna Vista	174	PRCJ	Rio de Janeiro	44.94	PRJB	Bauri	57.91
PQIA	Amazonas	103.1	PRCK	Rio de Janeiro	44.09	PRJE	Rio Preto	51.24
PQIB	Amazonas	37.93	PRCL	Rio de Janeiro	35.05	RJ F	Bahia	75
PQIC	Amazonas	20.82	PRCM	Rio de Janeiro	34.965	PRJH	Bahia	34.88
PQJ	Benjamin Constant	174	PRCN	Rio de Janeiro	28.45	PRJI	Bahia	34.48
PQJA	Minas Geraes	102.7	PRCO	Rio de Janeiro	25	PRJK	Caravellas	75
PQJB	Minas Geraes	37.807	PRCP	Rio de Janeiro	22.59	PRJM	Caravellas	34.88
PQJC	Minas Geraes	20.804	PRCQ	Rio de Janeiro	22	PRJN	Caravellas	34.48
PQK	Maraba	102.24	PRCR	Rio de Janeiro	21.645	PRJO	Rio de Janeiro	34.88
PQKA	Maraba	38	PRCS	Rio de Janeiro	21.24	PRJP	Fernando de Noronha	75
PQKB	Maraba	37.77	PRCT	Rio de Janeiro	20.006	PRJS	Fernando de Noronha	34.88
PQKC	Maraba	20.768	PRCU	Rio de Janeiro	19.48	PRJT	Fernando de Noronha	34.48
PQLB	Lubrea	101.7	PRCV	Rio de Janeiro	19.32	PRJU	Rio de Janeiro	75
PQLC	Lubrea	37.735	PRCW	Rio de Janeiro	15.457	PRJW	Florianopolis	34.88
PQLO	Lubrea	20.71	PRCX	Rio de Janeiro	14.23	PRJX	Florianopolis	34.48
PQLE	Lubrea	20.134	PRCY	Rio de Janeiro	62.56	PRJY	Florianopolis	34.48
PQM	Manaos	100.5	PRCZ	Gayaz	33.04	PRK	Florianopolis	27.13
PQMA	Manaos	51.107	PRD	Rio de Janeiro	36.10	PRKA	Maceio	75
PQMB	Manaos	42.887	PRDA	Fortaleza	44.09	PRKC	Maceio	34.88
PQMC	Manaos	37.57	PRDB	Fortaleza	27.9	PRKO	Maceio	34.48
PQMO	Manaos	28.195	PRDC	Fortaleza	23.264	PRKE	Natal Norte	75
PQME	Manaos	20.68	PRDD	Fortaleza	147	PRKG	Natal Norte	34.88
PQMF	Manaos	14.49	PRDF	Paranagua	43.96	PRKH	Natal Norte	34.48
PQMG	Manaos	14.39	PRDG	Paranagua	31.712	PRKI	Santos	75
PQNA	Senna	99.67	PRDH	Paranagua	23.17	PRKL	Santos	34.88
PQNB	Senna	44.28	PROI	Paranagua	145.6	PRKM	Santos	34.48
PQNC	Senna	37.45	PRDJ	Bello Horizonte	43.77	PRKN	Pelotas	75
PQND	Senna	20.63	PRDK	Bello Horizonte	32.26	PRKO	Pelotas	34.48
PQD	Alcobaca	160, 99.35, 37.38, 20.55	PRDL	Bello Horizonte	28.638	PRKP	Pelotas	34.48
PQDA	Alcobaca	160	PRDM	Maceio	30.87	PRKQ	Porto Alegre	75
PQDB	Alcobaca	99.34	PRDN	Natal, Norte	24.74	PRKS	Porto Alegre	34.88
PQDC	Alcobaca	37.38	PRDD	Mossoro	43.509	PRKT	Porto Alegre	34.48
PQDD	Alcobaca	37.24	PROP	Mossoro	34	PRKU	Victoria	75
PQDE	Alcobaca	20.55	PROQ	Mossoro	23.09	PRKW	Recife	75
PQP	S. Paulo de Olivenca	99.02	PROR	Mossoro	143.8	PRKY	Recife	34.88
PQPA	S. Paulo de Olivenca	45.045	PROS	Natal, Norte	43.42	PRKZ	Recife	34.48
PQPB	S. Paulo de Olivenca	37.29	PROT	Natal, Norte	39.3	PRL	Victoria	61.98
PQPC	S. Paulo de Olivenca	20.478	PROU	Natal, Norte	38.12	PRLA	Sepetiba	25.93
PQPD	Livramento	86.09	PROV	Natal, Norte	34	PRLB	Sao Paulo	56.6
PQPE	Livramento	32.19	PROW	Natal, Norte	28.50	PRLC	S. Paulo	37.735
PQPF	Livramento	24.71	PROX	Natal, Norte	23.04	PRLD	S. Paulo	28.195
PQPH	Campinas	85.47	PROY	Natal, Norte	143.9	PRLF	Sepetiba	51.87
PQPI	Campinas	32.05	PROZ	Bello Horizonte	144.9	PRLG	Sepetiba	25.93
PQPJ	Campinas	24.77	PRE	Rio de Janeiro	27.08	PRLK	Nietheroy	133.4
PQQ	Carauary	98.69, 45.98, 37.24, 20.43	PREA	Araguaya	38.47	PRLL	Recife	14.09
PQR	Rio Branco Aere	98.37	PREB	Duartina	38.47	PRLM	Bahia	44.12
PQRA	Rio Branco Aere	37.15	PREC	Sao Paulo	38.71	PRLN	Bahia	30.09
PQRB	Rio Branco Aere	20.33	PREO	Dios Corregos	38.41	PRLO	Bahia	25.8
PQRC	Rio Branco Aere	14.53	PREE	San Carlos	38.41	PRLP	Bahia	23.31
PQRO	Rio Branco Aere	97.7	PREF	S. Carlos	38.57	PRLQ	Bahia	148.5
PQSA	Santarem	40.677	PRFG	Garcia	38.57	PRLR	Lages	44.71
PQSB	Santarem	22.404	PREH	Jahui	38.45	PRLS	Lages	43.668
PQSC	Santarem	20.29	PREI	Pederneras	38.45	PRLT	Lages	25.168
PQSD	Tarauaca	97.4	PREJ	Campinas	38.45	PRLU	Lages	144.2
PQTA	Tarauaca	27.57	PREK	Bauri	38.45	PRLV	S. Francisco	44.71
PQTB	Tarauaca	20.249	PREL	Rio Clara	38.45	PRLW	S. Francisco	43.2
PQTC	Itaituba	96.64	PREM	Marli	38.87	PRLY	S. Francisco	23.01
PQU	Itaituba Para	43.509	PRF	Fortaleza	62.37	PRLX	S. Francisco	142.2
PQUA	Itaituba Para	36.88	PRFA	Florianopolis	44.71	PRM	Victoria	54.15
PQUB	Itaituba Para	20.08	PRFB	Florianopolis	44.05	PRMA	Rio de Janeiro	50.4
PQUC	Itaituba Para	20.08	PRFC	Florianopolis	30.89	PRMB	Barbaena	50.2
PQVA	Porto Velko	44.49	PRFD	Florianopolis	28	PRMC	Carangola	50.2
PQVB	Porto Velko	32.12	PRFE	Florianopolis	23.22	PRMO	Diamantina	50.2
PQVC	Porto Velko	20.04	PRFF	Florianopolis	146.3	PRME	Jamuarua	50.4
PQW	Altamira	96.02	PRFG	S. Gabriel	76.8	PRMF	S. Sebastiao	50.4
PQWA	Altamira Para	38	PRFH	Corumba	22.87	PRMG	Uberaba	50.335
PQWB	Altamira Para	19.93	PRFI	Corumba	139.6	PRMH	Bello Horizonte	50.5
PQXA	Xapury	95.69	PRFJ	Pelotas	40.84, 38.12, 26.8	PRMI	Pirapora	50.5
PQXB	Xapury	22.865	PRFK	Rio de Janeiro	76.8	PRMJ	Juiz de Fora	50.5
PQXC	Xapury	19.907	PRFL	Livramento	29.01	PRMK	Pocos de Caldas	50.5
PQY	Araguaya	95.38	PRFN	Rio de Janeiro	27.78	PRML	Paracato	50.5
PQYA	Araguaya	38	PRFO	Rio de Janeiro	27.78	PRMM	Oliveria	50.50
			PRG	Fortaleza	54.446	PRMP	Bello Horizonte	50.7

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
PRMW	Bello Horizonte	50	PRTX	Portatil	32.22, 32.12, 32	PTBA	Rio de Janeiro	63.69
PRMX	Rio de Janeiro	50.167	PRTY	Portatil	32.22, 32.12, 32	PTBB	Rio de Janeiro	54.744
PRMZ	Focos de Caldos	50.335	PRTZ	Portatil	32.22, 32.12, 32	PTBD	Rio de Janeiro	63.566
PRN	Victoria	27.1	PRU	Florianopolis	61.35	PTBE	Rio de Janeiro	57.81
PRNA	Dom Pedro (Rio)	67.27	PRUA	Aracatuba	33.84	PTBF	Rio de Janeiro	63.3
PRNB	Bello Horizonte	37.08	PRUB	Bauru	33.84	PTBH	Rio de Janeiro	59.17
PRNC	Coryntho	66.96	PRUC	Sao Paulo	33.84	PTBJ	Rio de Janeiro	63.16
PRND	Sao Paulo	66.82	PRUD	Boutucatu	33.84	PTBK	Rio de Janeiro	58.94
PRNE	Carro 18A	36.9	PRUE	Pres. of Brazil		PTBL	Santos	58.82
PRNF	Carro 20A	36.9	PRUF	Ribeirao	33.84	PTBM	Rio de Janeiro	63.02
PRNG	Portatil	36.9	PRUG	Sao Paulo	33.84	PTBN	Rio de Janeiro	59.76
PRNH	Portatil	36.9	PRUH	S. Paulo	33.84	PTBD	Itajuba	59.65
PRNI	Ibia	40.63	PRUI	Sao Paulo	33.84	PTBP	Ipamerly Goyaz	62.89
PRNJ	S. Joao d'El Rey	40.99	PRUJ	Rio Preto	33.84	PTBQ	Ipamerly Goyaz	25.696
PRNK	Barra do Piraby	36.83	PRUK	Araraquara	33.84	PTBR	Joao Pessoa	26.304
PRNL	Bello Horizonte	38.95, 36.74	PRUL	Itarare	33.84, 33.67, 33.04	PTBS	S. Paulo	62.77
PRNM	Montes Claros	36.74	PRUM	Oruzeiro	33.84	PTBT	S. Paulo	60.37
PRNR	S. Paulo Norte	37.17	PRUN	Aracatuba	33.67	PTBU	Cacapara	60.12
PRNS	Ribeirao Vermelho	40.84	PRUO	Bauru, Sao Paulo	33.67	PTBV	Peterpolis	62.63
PRNT	Carro 9A	36.9	PRUP	S. Paulo	33.67	PTBX	Rio de Janeiro	60.5
PRNU	Lafayette	36.79	PRUQ	Botucatu	33.67	PTBY	Rio de Janeiro	25.66
PRNV	Carro 10A	36.9	PRUR	President of Brazil	33.67	PTBZ	Cacapara	25.706
PRNW	Coryntho	65.65	PRUS	Ribeirao Preto	33.67	PTC	S. Cruz (Rio)	75.19
PRNX	Coryntho	37.27	PRUT	S. Paulo	33.67	PTCA	Bello Horizonte	59.88
PRNY	S. Paulo	36.74	PRUU	Assis, Sao Paulo	33.67	PTCB	Bello Horizonte	25.72
PRNZ	Army	36.97	PRUV	Sao Paulo	33.87	PTCD	Bella Vista	25.68
PROA	Rio de Janeiro	26.6	PRUW	Rio Preto	33.67	PTCE	Bella Vista	16.17
PROB	Olindo	62.24	PRUX	Araraquara	33.67	PTCG	Cuyaba	59.40
PROC	Rio de Janeiro	27.52	PRUY	Itarare, Sao Paulo	33.67	PTCH	Cuaaba	25.84
PROD	Itajuby	27.5	PRUZ	Cruzeiro	33.67	PTCI	Curityba	59.29
PROE	Recife	27.5	PRVA	Florianopolis	53.86	PTCJ	Curityba	25.906
PROF	Rio de Janeiro	35	PRVB	Aracatuba	33.04	PTCL	Corumba	59.06
PROG	Rio de Janeiro	39.3	PRVC	Bauru, Sao Paulo	33.04	PTCM	Corumba	25.96
PROI	Laguna	64.67	PRVD	S. Paulo	33.04	PTCN	Bahia	58.6
PROJ	Ibia	40.63	PRVE	Botucatu	33.04	PTCP	Bahia	22.06
PROK	S. Joao d'El Rey	40.98	PRVF	Sao Paulo	33.04	PTCQ	Bahia	16.41
PROL	S. Joao	40.458	PRVG	Ribeirao Preto	33.04	PTCR	Recife	58.48
PROM	Bello Horizonte	38.95	PRVH	S. Paulo	33.04	PTCS	Recife	26.09
PRON	Bahia	39.38	PRVI	Assis, Sao Paulo	33.04	PTCT	Recife	16.55
PROO	Formiga	40.65	PRVJ	Sao Paulo	33.04	PTCV	Rio de Janeiro	58.37
PROQ	Bello Horizonte	36.74	PRVJ	Rio Preto	33.04	PTCW	Rio de Janeiro	18.821
PROR	Ribeirao	40.84	PRVK	Araraquara	33.04	PTCX	Rio de Janeiro	14.521
PROS	Rio de Janeiro	40.47	PRVL	Itarare, Sao Paulo	33.04	PTD	Florianopolis	75
PROT	Olinda	54.35	PRVM	Cruzeiro	33.04	PTDA	Victoria	58.14
PROU	Rio de Janeiro	96.308	PRVW	Florianopolis	26.98	PTDB	Victoria	26.246
PROV	Porto Alegre	96.318	PRWA	Taubate	52.447	PTDD	St. Luiz	57.92
PROX	Porto Alegre	52.35	PRWB	Taubate	84.27	PTDE	S. Luiz	27.347
PROY	Porto Alegre	34.863	PRWF	Ourem Para	80.65	PTDF	S. Luiz do Maranhao	16.74
PROZ	Rio de Janeiro	52.35	PRWG	Ourem Para	38.97	PTDG	Rio de Janeiro	55.46
PRPA	Rio de Janeiro	34.863	PRWH	Ourem Para	29.354	PTDH	Rio de Janeiro	28.329
PRPB	Bahia	27.52	PRWI	Parintins	80.86	PTDI	Rio de Janeiro	25.09
PRPC	Bahia	96.308	PRWJ	Parintins	50.977	PTDJ	Rio de Janeiro	17.28
PRPD	Bahia	52.35	PRWK	Parintins	29.41	PTDK	Rio de Janeiro	17.2
PRPE	Natal Norte	96.308	PRWL	Parintins	23	PTDL	Belem Para	26.3
PRPF	Parangua	96.308	PRWM	Victoria Piaui	33.48	PTDM	Belem Para	23.12
PRPG	Parangua	52.35	PRWO	Crato Ceara	33.44	PTDN	Belem Para	17.05
PRPH	Recife	33.48	PRWP	Victoria Piaui	88.89	PTDO	Belem Para	16.92
PRPI	Santos	33.18	PRWR	Crato Ceara	18.767	PTDP	Belem Para	25.99
PRPJ	Santos	27.3	PRWS	Crato Ceara	88.62	PTDQ	Porto Alegre	16.34
PRPK	Santos	22.55	PRWT	Porto Esperansa	33.22	PTDR	Porto Alegre	52.248
PRPL	Natal Norte	52.35	PRWU	Porto Esperansa	18.59	PTDS	Florianopolis	27.8
PRPM	Natal Norte	34.863	PRWV	Porto Esperansa	88.10	PTDT	Florianopolis	18.945
PRPN	Natal Norte	25.66	PRWX	Curetyba	31.25	PTDU	Peterpolis	60.606
PRPO	Olinda	27.119	PRWY	Curetyba	22.82	PTDV	Juiz de Fora	27.42
PRPQ	Florianopolis	33.9	PRX	Curetyba	138.2	PTDX	Nietheroy	27.985
PRPR	Porto Uniao	33.70	PRY	Santos	61.61	PTDY	Escodia (Rio de Janeiro)	74.63
PRPS	Herval	33.17	PRYA	Santos	60.851	PTEA	Fortaleza	55.04
PRPT	Joao Pissoa	51.68	PRYB	Rio de Janeiro	33.94	PTEB	Fortaleza	27.75
PRPU	Espirito Santo	52.22	PRYC	Bahia	33.94	PTED	Campo Grande	54.95
PRPV	Floris	30.52	PRYD	Mocangue Rio	70	PTEE	Campo Grande	27.68
PRPW	Princeza	52.35	PRYE	Rio de Janeiro	33.94	PTEG	Santos	25.07
PRPX	Patos	52.45	PRYF	Santos Sao Paulo	53.95	PTEH	Sorena Sao Paulo	54.844
PRPY	Parahyba	52.04	PRYZ	Santos	53.95	PTEI	Sorena Sao Paulo	27.726
PRPZ	Parahyba	52.35	PRZA	Jouzerio Bahia	25.74	PTEL	S. Paulo	58.26
PRQA	Parahyba	52.22	PRZB	Joazerio Bahia	18.42	PTEM	S. Paulo	26.18
PRQB	S. Jose do Egypto	30.53	PRZC	Joazerio Bahia	97.53	PTEN	Ponta Para	25.67
PRQC	Triumpho	31.12	PSA	Marapicu	14.23	PTED	Ponta Para	16.27
PRQD	Villa de Conceicao	52.04	PSAB	Rio de Janeiro		PTEF	Fortaleza	74.26
PRQE	Salinas	62.49	PSABB	Sao Paulo		PTFG	Campo Grande	74.08
PRQF	Thome	52.91	PSABC	Miami		PTG	Lorenz	73.89
PRQG	Belem Para	52.91	PSABD	Porto Alegre		PTH	Rio de Janeiro	73.34
PRQH	Rio de Janeiro	28.60	PSABE	Argentina		PTI	Fortaleza de S. Joao	73.18
PRQI	Bahia	28.60	PSABF	P-BDAC		PTJ	Juiz de Fora	73.3
PRQJ	S. Paulo Norte	65.5	PSABI	Guantabara		PTK	Fortaleza Sage, Rio de Janeiro	72.3
PRQK	Belem Para	44.06	PSAC	Ypiranga		PTL	S. Luiz do Maranhao	71.94
PRQL	Thome Assu	44.06	PSB	Marapicu	15.78	PTM	Parahyba	71.78
PRQM	Belem	38	PSB	Marapicu	16.09	PTN	Victoria Espirito Santo	71.51
PRQN	Rio de Janeiro	65.94	PSB	Marapicu	19.907	PTO	S. Paulo	71.27
PRQO	Boa Vista	38	PSB	Marapicu	20.08	PTP	Quartel General	71.01
PRQP	Salinas	54.545	PSB	Marapicu	20.43	PTQ	Rio de Janeiro	71.10
PRQR	Porto Alegre	97.4	PSB	Marapicu	20.43	PTR	Recife	70.93
PRQS	Bahia	97.41	PSB	Marapicu	27.881	PTS	Bahia	70.1
PRQT	Bahia	53.47	PSB	Marapicu	29.354	PTT	Porto Alegre	70.1
PRQU	Bahia	33.73	PSB	Marapicu	29.64	PTTAL	Bella Vista	70.1
PRQV	Bahia	24.05	PSB	Marapicu	31.06	PTU	Santos	68.19
PRQW	Porto Alegre	53.47	PSB	Marapicu	36.65	PTV	Villa Militar, Rio de Janeiro	69.78
PRQX	Porto Alegre	33.73	PSB	Marapicu	37.807	PTW	Corumba, Matto Grosso	69.66
PRQY	Porto Alegre	24.05	PSB	Recife	51.68	PTX	Sande Gueria, Rio de Janeiro	69.5
PRQZ	Belem	97.41	PSB	Sepetiba	14.39	PTY	Curetyba	69.45
PRRA	Belem Para	53.47	PSB	Sepetiba	43.59	PTZ	Cuyaba	69.29
PRRB	Belem Para	33.73	PSB	Sepetiba	38.56	PUA	Santos	27.06
PRRC	Belem Para	24.05	PSB	Rio de Janeiro	75.57	PUAD	Almirante Jaceguay	
PRRD	Rio de Janeiro	24.05	PSB	Obidos Para	69.12	PUB	Junecao	61.22
PRRE	Rio de Janeiro	33.73	PSB	Obidos Para	59.53	PUC	Junecao	60.728
PRRF	Rio de Janeiro	97.41	PSB	Obidos Para	25.762	PUD	Junecao	53.76
PRRG	Rio de Janeiro	53.47	PSB	Itajuba	69.05	PUE	Barra, Bahia	135.8, 40.41, 22.51
PRRH	Fortalcaza	97.41	PSB	Palicao (Rio)	68.97	PUF	Formiga	32.79, 24.5
PRRI	Fortalcaza	53.47	PSB	Bello Horizonte	68.82	PUG	Bahia	86.8, 55.3, 32.68,
PRRJ	Fortalcaza	33.73	PSB	Cacapara	68.54			24.54
PRRK	Fortalcaza	24.05	PSB	Ipamerly	70.05	PUH	Carolina	86.59, 32.57, 24.60
PRRL	Bahia	34.863	PSB	Ponta Para	67.95	PUI	Ilheos	135.2, 40.27,
PRRM	Paranagua	34.48	PSB	S. Paulo	67.95			22.32
PRRN	Salinas	27.247	PSB	Rio de Janeiro	67.88	PUJ	Joinville	86.34, 32.33, 24.65
PRRO	Victoria	34.88	PSB	Governor Petropolis	67.7	PUK	Joao Pessoa	134.5, 40.02, 34,
PRRQ	Victoria	34.48	PSB	Belem, Para	67.43			22.23
PRRS			PSB		75.38	PUL	Livramento	86.10, 32.19, 24.71

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
PUN	Nittheroy	133.4, 61.11, 39.61	PWAB	Rio de Janeiro	57.03	PXT	Anatomirim	76.14
PUP	Passo Fundo	96.33, 84.5, 24.77	PWAC	Rio de Janeiro	56.93	PXTL		
PUR	Campinas	85.48, 32.05, 24.78	PWAD	Rio de Janeiro	52.82	PYA	Fernando de Noronha	75
PUS	S. Borja	85.24, 31.92, 24.84	PWAE	Rio de Janeiro	23.68	PYAA	Aquidana	107.52
PVT	Santos	108.7, 39.56, 21.98	PWAF	Rio de Janeiro	28.61	PYAB	Aquidana	43.59
PVU	Theophilo	115.9, 108.3, 21.89	PWAG	Rio de Janeiro	28.59	PYAC	Aquidana	29.85
PVV	Uberaba	85, 31.85, 24.92	PWAH	Rio de Janeiro	26.408	PYAD	Aquidana	21.82
PVW	Porto Murtinbo	84.76, 38.27, 24.93	PWAI	Rio de Janeiro	25.146	PYAE	Pesquino	21.84
PVX	Parmahya	84.52, 52.54, 31.06	PWAJ	Rio de Janeiro	25.125	PYAF	Pesquino	19.56
PVY	Taubati	84.28, 52.45	PWAK	Rio de Janeiro	17.482	PYAG	Bage	83.8
PVZ	Alto Uruguay	84.04, 52.35, 30.80	PWAL	Rio de Janeiro	17.41	PYAH	Bage	50.03
PWA	Lazerato	107.9, 39.46, 34	PWAM	Rio de Janeiro	17.341	PYAI	Bage	52.22
PWB	Victor de Frietas	46.15	PWB	Fernando de Noronha	53.38	PYAJ	Bage	30.67
PWC	Brasileia	94.49	PWBA	Belem Para	53.57	PYAL	Campos	83.57
PWD	Brasileia	51.19	PWBB	Belem Para	50.42	PYAM	Campos	52.13
PWE	Brasileia	47.49	PWBC	Belem Para	29.175	PYAN	Campos	51.24
PWF	Brasileia	34.82	PWBD	Belem Para	26.82	PYAO	Campos	30.55
PWG	Brasileia	19.47	PWBE	Belem Para	15.78	PYAP	S. Maria Sul	82.87
PWH	Ihecos	135.2	PWC	Fernando de Noronha	50.08	PYAR	S. Maria Sul	51.81
PWI	Ihecos	40.27	PWCA	Rio de Janeiro	56.5	PYAS	S. Maria Sul	29.97
PWJ	Ihecos	22.32	PWCB	Rio de Janeiro	48.70	PYAZ	Pesquino	87.91
PWK	Joao Pissoa	134.5	PWCC	Rio de Janeiro	25.06	PYBA	Goyaz	107.14
PWL	Joao Pissoa	40.026	PWCD	Rio de Janeiro	24.331	PYBB	Goyaz	31.15
PWM	Maceio	133.9	PWD	Fernando de Noronha	29.098	PYBC	Goyaz	21.778
PWN	Maceio	39.95	PWDA	Rio de Janeiro	56.29	PYBF	Uruguayana	82.64
PWO	Maceio	22.116	PWDB	Rio de Janeiro	48.62	PYBG	Uruguayana	51.68
PWP	Borba	94.21	PWDC	Rio de Janeiro	28.517	PYBH	Uruguayana	29.79
PWQ	Borba	40.398	PWDD	Rio de Janeiro	16.09	PYBK	Cachoeiro	82.42
PWR	Barba	19.43	PWDE	Rio de Janeiro	15.37	PYBL	Cachoeiro	
PWS	Coary	93.46	PWE	Fernando de Noronha	26.69	PYBM	Cachoeiro	29.76
PWT	Coary	50.85	PWEA	Rio de Janeiro	53.47	PYBP	Jaguarao	82.2
PWU	Coary	43.14	PWEB	Rio de Janeiro	50.25	PYBQ	Jaguarao	51.51
PWV	Coary	45.98	PWEC	Rio de Janeiro	29.16	PYBR	Jaguarao	29.73
PWY	Coary	25.4	PWED	Rio de Janeiro	26.74	PYBT	Dionysio Cerqueira	106.8
PWZ	Coary	19.386	PWF	Fernando de Noronha	16.025	PYBU	Dionysio Cerqueira	52.04
PXA	Abaiti	51.90	PWFA	Rio de Janeiro	64.655	PYBV	Dionysio Cerqueira	44.7
PXB	Villa Feijo	93.17	PWFB	Rio de Janeiro	56.179	PYBW	Dionysio Cerqueira	21.75
PXC	Montenegro	81.97	PWFC	Rio de Janeiro	48.543	PYBX	Sobral	85.55
PXD	Caracarahy	81.76	PWFD	Rio de Janeiro	24.25	PYBY	Sobral	32.15
PXE	Caracarahy	34.74	PWGA	Abrolhos	53.87	PYCA	Fernando de Noronha	34.88
PXF	Caracarahy	29.64	PWGB	Abrolhos	50.59	PYCB	Carollina	86.58
PXG	S. Borja	85.23	PWGC	Abrolhos	29.24	PYCC	Carollina	57.526
PXH	S. Borja	31.91	PWGD	Abrolhos	26.84	PYCH	Carollina	32.57
PXI	S. Borja	24.834	PWH	S. Luiz de Maranhao	78.33	PYCI	Carollina	24.59
PXJ	S. Borja	21.46	PWHA	Rio de Janeiro Bay	64.11	PYCK	Montenegro	51.41
PXK	Uberaba	84.98	PWHB	Rio de Janeiro Bay	55.87	PYCL	Montenegro	29.68
PXL	Uberaba	31.85	PWHC	Rio de Janeiro Bay	47.92	PYCM	Lazerato	107.9
PXM	Uberaba	24.92	PWHD	Rio de Janeiro Bay	24.05	PYCN	Lazerato	44.91
PXN	Itacoatiari	81.52	PWI	S. Luiz de Maranhao	57.14	PYCD	Lazerato	39.447
PXO	Itacoatiari	29.527	PWIA	Rio de Janeiro	64.24	PYCP	Lazerato	34
PXP	Itacoatiari	26.13	PWIB	Rio de Janeiro	55.97	PYCQ	Blumenau	137
PXQ	Cachoeira	81.52, 37.65, 29.52	PWIC	Rio de Janeiro	48.076	PYCR	Blumenau	44.71
PXR	Baio	81.3	PWID	Rio de Janeiro	24.12	PYCS	Blumenau	22.63
PXS	Baio Para	58.71	PWJ	S. Luiz de Maranhao	28.91	PYCU	Pelotas	26.86
PXT	Baio Para	51.15	PWJA	Rio de Janeiro Bay	63.97	PYCV	Barra Bahia	40.41
PYB	Baio Para	29.498	PWJB	Rio de Janeiro Bay	56.71	PYCW	Barra Bahia	29.01
PYD	Clevalandia	92.88	PWJC	Rio de Janeiro Bay	56.63	PYCY	Barra Bahia	22.51
PYE	Clevalandia	38.02	PWJD	Rio de Janeiro Bay	26.338	PYCX	Barra Bahia	135.8
PYF	Clevalandia	34.52	PWK	S. Luiz de Maranhao	26.502	PYCY	Porto Alegre	30.03
PYG	Clevalandia	19.28	PWKA	Sadario	53.19	PYD	Fernando de Noronha	34.48
PYH	Mancicoe	92.46	PWKB	Sadario	29.01	PYDA	Aracaaju	137.6
PYI	Mancicoe	35.05	PWKC	Sadario	26.59	PYDB	Aracaaju	37.01
PYJ	Mancicoe	34.4	PWKD	Sadario	15.82	PYDC	Aracaaju	22.73
PYK	Mancicoe	19.24	PWLA	Nittheroy	63.42	PYE	Natal Norte	75
PYL	Porto Nacional	83.14	PWLB	Nittheroy	56.82	PYEA	S. Luiz do Maranhao	33.84
PYM	Obidos	81.08	PWLC	Nittheroy	52.72	PYEB	S. Luiz do Maranhao	19.05
PYN	Obidos Para	51.07	PWLD	Nittheroy	26.36	PYEC	S. Luiz do Maranhao	90.23
PYO	Obidos Para	29.47	PWM	Natal Norte	78.53	PYED	Victoria	24.519, 22.84
PYP	Obidos Para	24.29	PWMA	Florianopolis	57.7	PYEF	Victoria	138.9
PYQ	Obidos Para	39.06	PWMB	Florianopolis	53.28	PYF	S. Maria	82.88, 51.81, 29.97
PYR	Marapanim	39	PWMC	Florianopolis	29.06	PYG	Natal Norte	34.88
PYS	Marapanim	91.32, 76.3, 34.23,	PWMD	Florianopolis	26.642	PYH	Natal Norte	34.48
PYT	Urbanapolis	24.4, 19.16	PWNA	Natal Norte	57.25	PYI	Rio de Janeiro	75
PYU	Urbanapolis	76.3	PWNB	Rio Grande Sul	55.56	PYJ	Rio de Janeiro	34.88
PYV	Urbanapolis	34.23	PWNC	Rio Grande Sul	47.7	PYK	Rio de Janeiro	34.48
PYW	Urbanapolis	24.4	PWND	Rio Grande Sul	28.409	PYLM	Pelotas	75
PYX	Urbanapolis	19.163	PWPA	Rio Grande Sul	23.847	PYLN	Pelotas	34.88
PYZ	Faro Para	41.1	PWPB	Natal Norte	53.1	PYLO	Pelotas	34.48
PZA	S. Miguel	38.02	PWPC	Natal Norte	64.38	PYLP	Recife	51.203
PZB	Florianio	91.61	PWPD	Natal Norte	55.558	PYLR	Septiba	19.28
PZC	Florianio	76.2	PWPE	Santos	47.77	PYLS	Porto Alegre	75
PZD	Florianio	34.27	PWPF	Santos	28.463	PYLT	Porto Alegre	34.48
PZE	Florianio	19.19	PWPG	Santos	23.92	PYLV	Porto Alegre	32.33
PZF	Manacapuru	90.50	PWPH	Rio de Janeiro	56.08	PYVA	Joinville	24.752
PZG	Manacapuru	74.5	PWPI	Rio de Janeiro	48.465	PYVB	Joinville	24.64
PZH	Manacapuru	33.89	PWPK	Rio de Janeiro	24.213	PYVC	Joinville	86.33
PZI	Manacapuru	19.08	PWPL	Natal Norte	28.94	PYVD	Joinville	33.05
PZJ	Arumanduba	92.17	PWPM	Natal Norte	26.549	PYVE	Arrayas	20.82
PZK	Arumanduba	37	PWPN	Natal Norte	55.26	PYVF	Arrayas	75
PZL	Arumanduba	34.34	PWPO	Natal Norte	47.85	PYVW	Recife	75
PZM	Arumanduba	19.21	PWPP	Anhatomirim	25.66	PYVX	Diamantina	329
PZN	Arumanduba	13.979	PWPQ	Anhatomirim	23.97	PYVY	Diamantina	30.86
PZO	Fonte Boa	90.78	PWPB	Anhatomirim	78.13	PYVZ	Diamantina	87.336
PZP	Fonte Boa	76.4	PWPC	Anhatomirim	80	PYWA	Cuyaba	136.4
PZQ	Fonte Boa	46.99	PWPD	Rio de Janeiro	77.32	PYWB	Cuyaba	30.49
PZR	Fonte Boa	34.09	PWPE	Centro de Aviao	77.32	PYWF	Cuyaba	22.56
PZS	Fonte Boa	19.14	PWPF	Estado Major, Rio de Janeiro	77.12	PYWG	Cuyaba	33.67
PZT	Cachoeira	51.56	PWPG	Eseola de Grumetes,		PYXH	Florianio	28.355
PZU	Igarape Miry	36.88	PWPH	Rio de Janeiro	79.36	PYXI	Florianio	18.91
PZV	Boa Bista	80.22	PWPI	Moeangue Rio	76.93	PYXJ	Florianio	89.15
PZW	Boa Vista Para	50.67	PWPK	Abrolhos	80.22, 53.67, 50.59,	PYXK	Formiga	32.79
PZX	Boa Vista Para	29.3	PWPL		29.24, 26.84	PYXL	Formiga	24.889
PZY	S. Isabel	80.43	PWPM	Willegaignon	76.34	PYXM	Formiga	87.08
PZZ	S. Isabel	50.56	PWPN	Bijo (Rio de Janeiro)	76.53	PYXN	Recife	34.88
PZA	S. Isabel	29.325	PWPO	Rio de Janeiro Bay	77.52	PYXO	Therphilo Ottoui	115.83
PZB	S. Isabel	18.32	PWPP	Sadario	78.74	PYXP	Therphilo Ottoui	108.3
PZC	Fernando de Noronha	79.16	PWPK	S. Luiz de Maranhao		PYXQ	Therphilo Ottoui	77
PZD	Rio de Janeiro	77.92	PWPL	Armacao	77.72	PYXR	Therphilo Ottoui	21.881
PZE			PWPM	Florianopolis	78.95, 57.7, 53.28,	PYXS	Therzina	33.73
			PWPN		29.06, 26.65	PYXT	Therzina	18.93
			PWPO	Florianopolis	78.95	PYXU	Therzina	89.42
			PWPP	Rio Grande	75.76	PYXV	Recife	34.48
			PWPK	Raza (Isle) Rio de Janeiro	76.73	PYXW	Passo Fundo	96.308
			PWPL	Rio Grande du Sol		PYXY	Passo Fundo	84.5
			PWPM	Santos	75.95	PYXZ	Passo Fundo	39.5
			PWPN			PYZA		
			PWPO			PYZB		
			PWPP			PYZC		
			PWPK			PYZD		
			PWPL			PYZE		

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
PYZF	Passo Fundo	24.762	RCHA	Simferopol	84.87, 42.84	REIG	Akmolinsk	69.77, 51.72
PYZH	Alto Uruguay	141.6	RCHO	Simferopol	69.12, 49.5	REIH	Oursalsk	53.86
PYZI	Alto Uruguay	84.03	RCHO	Simferopol	69.12, 49.6	REII	Kaezak Republic	82, 80, 68, 66, 40.6
PYZJ	Alto Uruguay	76.8	RCI	Kertch Crimea		REIK	Petroparlevsk	68.627, 48.54
PYZK	Alto Uruguay	52.35	RCL	Nalakan	22.002	REIL	Koemrad	60.728
PYZL	Alto Uruguay	30.801	RCM	Palana	89.6	REIM	Alma Ata	87.464, 74.07
PYZM	Parnahyba	52.54	RCN1	Portable		REIN	Parlodar	70.93
PYZN	Parnahyba	31.06	RCN2		82	REIO	Sempalatinsk	71.27
PYZO	Parnahyba	84.6	RCN3		80	REIP	Vozrogdinie	57.5
PYZP	Villa Feijo	52.13	RCN4		68	REIQ	Kazakskaja	58.59
PYZQ	Villa Feijo	34.56	RCN5		66	REIR	Bourli Boukktu	71.94, 47.92
PYZR	Villa Feijo	193	RCN6			REIV	Alma Ata	71.09, 48.31
PYZT	Porto Nacional	51.95	RCN7			REJJ	Koustani	59.64
PYZU	Porto Nacional	30.24	RCN8			REJK	Karsakpai	62.24, 39.95
PYZV	Porto Nacional	36.05	RCN9			REJN	Aralskoe More	46.37
PYZW	Santos	39.56	RCNA	Viazma	60	REJO	Sempalatinsk	68.65, 49.42
PYZX	Santos	21.98	RCNB	Okhoat	69.44, 49.69	REJP	Alagorez	48.47, 34.92
PYZY	Santos	100.7	RCNC	Soukhimitehi	68.807, 49.26	REJQ	Ganiouchkino	53.5
			RCND	Bobrouisk	68.18, 48.7	REJR	Aoulie Ata	99.67, 49.5
			RCNE	Roslavis	69.12, 49.42	REJS	Alma Ata	69.12, 35.15
			RCNF	Smolensk	68.966, 49.26	REJT	Lepa	96, 48.70
			RCNG	Smolensk	82, 66	REJU	Petropavlovsk	67.57
			RCNH	Ukhnov	82, 66	REJV	Sempalatinsk	58.94, 37.03
			RCNI	Toropets	82, 66	REJW	Oursalsk	58, 50.8, 80
			RCNJ	Seljarovo	82, 66	REP	Aralsk	60.5
			RCNK	Nelidovo	82, 66	REQ	Ganiouchkino	53.5
			RCNL	Velij	82, 66	REK	Oursalsk	59.3
			RCNM	Kozelsk	82, 66	RET	Podbelskogo	37
			RCNN	Peno	82, 66	REU	Rostov Sur Le Don	80, 40
			RCNO	Briansk	66.37	REV	Krasnodar	80, 40
			RCNP	Smolensk	63.29	REW	Kalatch	80, 40
			RCO1	Portable		REX	Indigo Boukhta	83.56, 29.69
			RCO2		82	REY	Krasnoarsk	100, 35
			RCO3		80	RFA	Astrakkan	75, 45
			RCO4		68	RFAA	Toula	47.54
			RCO5		66	RFAO	Moscow	82, 80, 68, 68, 40.6
			RCO6			RFAE	Toula	43
			RCO7			RFAF	Moscow	75, 51
			RCO8	Siberia	27	RFAH	Moscow	68.34, 26.22
			RCO9	Koutias	80.43	RFAI	Moscow	48.62, 26
			RCQ0	Tibia	75, 42.49	RFAJ	Moscow	86.96, 14.77
			RCQ1	Bakou	73.35, 42.37	RFAK	Koutchino	70.1
			RCQ2	Sallany	83.76, 70.59	RFAI	Koutchino	51.28
			RCQ3	Bakou	89.82, 71.09	RFAI	Moscow	39.47, 34.88
			RCQ4	Tiflis	89.82	RFAI	Koutchino	51.63
			RCQ5	Sabir Abad	89.82	RFAO	Moscow	87.46, 85.23, 78.53,
			RCQ6	Sabir Abad	43.541			73.53, 42.97
			RCQ7	Sallany	64.103	RFAO	Moscow	81.63, 40.73
			RCQ8	Agdam	46.875	RFAO	Moscow	70.75, 46.95
			RCQ9	Zakataly	52.356	RFAO	Supoukhev	88.49, 71.09
			RCQ0	Tiflis	87.209, 74.26	RFAO	Toula	74.53, 42.67
			RCQ1	Tiflis	69.44, 48.7	RFAO	Moscow	51.72
			RCQ2	Karagino	52.724	RFAO	Bykovo	78.719, 74.813
			RCQ3	Karabadjary	65.646	RFAO	Bykovo	85.227, 73.89
			RCQ4	Kazakh	77.922	RFAO	Moscow	86.46, 74.84
			RCQ5	Bakou	150	RFAO	Moscow	87.209, 43.35
			RCQ6	Uris Rdo Center	78.33	RFAO	Moscow	67.03
			RCQ7	Limakan	63.16	RFAO	Tachkent	54
			RCQ8	Alagez	50.51	RFB	Moscow	89.82, 71.09
			RCQ9	Tiflis	51.11	RFB	Mojaisk	42.65, 21.43
			RCQ0	Tilitchiki	63	RFB	Moscow	82, 80, 68, 66, 40.5
			RCQ1	Kazan	82, 68, 66	RFB	Moscow	82, 80, 68, 66, 40.5
			RCQ2	Kazan	75.76, 43.1	RFB	Moscow Airport	86.96, 42.7
			RCQ3	Mamadyeh	82, 68, 66	RFB	Pestova	101.35, 82, 66
			RCQ4	Kazan	82, 68, 66	RFB	Vesjegovsk	101.35, 82, 66
			RCQ5	Ukhmatchi	82, 68, 66	RFB	Portable	82, 80, 68, 66
			RCQ6	Sabakh	82, 68, 66	RFB	Portable	82, 80, 68, 66
			RCQ7	Soublanie	82, 68, 66	RFB	Moscow Radio center	68.57, 36.19
			RCQ8	Tackbanoskoe	82, 68, 66	RFB	Moscow Radio center	76.14, 76.05, 75.95
			RCQ9	Rybno Slobodskoe	82, 68, 66	RFB	Moscow Radio center	69.20, 69.12, 69.04,
			RCQ0	Sopatino	82, 68, 66			35.27, 35.25, 35.23
			RCQ1	Tchistopol	82, 68, 66	RFB X	Portable	82, 80, 68, 66
			RCQ2	Tchelnj	82, 68, 66	RFC	Khabarovsk	56
			RCQ3	Kazan	98.68, 68.49	RFF	Dnepropetrovsk	68, 14
			RCQ4	Nijne	65.2	RFH	Monink	59
			RCQ5	Oueine	64	RFI	Tachkent	74
			RCQ6	Alexandrovska	56	RFM	Khabarovsk	70.2
			RCQ7	Odessa	120, 74, 45, A1-3	RFN	Khabarovsk	64
			RCQ8	Ouchtube	76.5, 46.5, 32	RFO	Peredvika	41.7
			RCQ9	Sredne	57	RFP	Novosibirsk	46, 42
			RCQ0	Doukhta Sreltain	68	RFQ	Krasnoarsk	68, 44
			RCQ1	Sempalatinsk	71, 57, 31	RFR	Igarka	37
			RCQ2	Tachkent	45, 30	RFS	Koureika	51.37
			RCQ3	Perm	38.2, 30	RFT	Aban	75.95, 35.02
			RCQ4	Arkhangel'sk	60, 20	RFX	Doudinka	28.12
			RCQ5	Leningrad	28.50	RG	Khabarovsk	32
			RCQ6	Limenda	60, 20	RGAA	Nijni Novgorod	82, 66
			RCQ7	Okhotsk	49	RGAB	Peredvika	82, 80, 68, 66, 40.5
			RCQ8	Loujok	82, 66	RGAC	Peredvika	82, 80, 68, 66, 40.5
			RCQ9	Matkenia	82, 66	RGAD	Peredvika	82, 80, 68, 66, 40.5
			RCQ0	Kangora	82, 66	RGAE	Peredvika	82, 80, 68, 66, 40.5
			RCQ1	Sogoj Verkhniaia	82, 66	RGAF	Peredvika	82, 80, 68, 66, 40.5
			RCQ2	Iana	82, 66	RGAG	Peredvika	82, 80, 68, 66, 40.5
			RCQ3	Ioukhot	82, 66	RGAH	Peredvika	82, 80, 68, 66, 40.5
			RCQ4	Rybinok	82, 66	RGAI	Peredvika	82, 80, 68, 66, 40.5
			RCQ5	Dvyanovo Voz	82, 66	RGAJ	Peredvika	82, 80, 68, 66, 40.5
			RCQ6	Urievez	101.35, 82, 66	RGAK	Iar	51.55
			RCQ7	Parfenievo	101.35, 82, 66	RGAN	Viatka	49.59
			RCQ8	Tchoukhlima	101.35, 82, 66	RGAD	Mourom	88.49, 71.09
			RCQ9	Ivan Kevo Slavinka	101.35, 82, 66	RGAP	Nijni Novgorod	84.03, 56.82
			RCQ0	Makariev	101.35, 82, 66	RGAQ	Ijeok	80.86, 52.17
			RCQ1	Neia	101.35, 82, 66	RGAR	Viatka	71.09, 36.1
			RCQ2	Potch'ok	101.35, 82, 66	RGAS	Nijni Novgorod	93.17, 71.09
			RCQ3	Semipovskoe	101.35, 82, 66	RGAT	Seinia	75.19, 42.92
			RCQ4	Pasma Slavinka	101.35, 82, 66	RGAV	Kovergero	82, 66
			RCQ5	Kadyi	101.35, 82, 66	RGAW	Demidovskoe	82, 66
			RCQ6	Spas Chartanovo	101.35, 82, 66	RGAX	Mikhailovskoe	82, 66
			RCQ7	Peredvika	82, 80, 68, 66, 40.5	RGAY	Lyskovo	82, 66
			RCQ8	Peredvika	82, 80, 68, 66, 40.5	RGAZ	Koteinetch	87.97, 48
			RCQ9	Tchoukhlima	64.38, 40.87	RGB	Bolehaia Kakcha	82, 66
			RCQ0	Pecbekhonia	64.24, 40.76	RGBB	Betlouga	82, 66
			RCQ1	Viazniki	72.12, 71.09	RGBC	Sterlitzi Zarad	82, 66
			RCQ2	Chouia	81.3	RGBD	Varnavino	82, 66
			RCQ3	Viazniki	82, 68, 66	RGBE	Veltoujskain	82, 66
			RCQ4	Alma Ata	61			

PZA—PZZ SURINAM (Dutch Guiana)

PZA	Paramaribo	43.46, 31.2
PZB	Pernambuco	48
PZC		
PZD	Moringo	50.5
PZE	Albina	50.5
PZF	Coronie	50.5
PZG	Nickerie	50.5
PZH	Paramaribo	50.5
PZI	Paramaribo	

RAA—RQZ UNION OF SOVIET, SOCIALIST REPUBLIC

RAAH	Lebed	187.5, 176.5, 166.7
RAAL	Amour	35, 30
RAAN	R. T. 44 Neya	150
RAAO	R. T. 45 Dvina	150
RABK	Alexe Rykov	25, 12
RABL	Mikotian	36
RACK	Dnyep'r	48.23, 47.1
RAD	Versichagino	61
RAF	Alma Ata	50
RAFN	Lomine	48.08, 47.39
RAHO	Dekabrist	48.23, 47.1
RAHP	Illitch	48.08, 47.1, 46.95
RAK	Alma Ata	40.2
RAQ	Samarga	70
RAR	Novosibirsk	64, 35, 25.16
RAQB	R. T. 29 Dnepr	150, A1-2-3
RARV	Dnesta	48.23, 46.95
RAZF	Zyrlanin	48.23, 47.1
RASG	Tourkmen	48.23, 47.1
RA9I	Nevastrol	48.23, 47.1
RASZ	R. T. 47, Sourouzryba	150
RATA	Krasnarmeets	200, 150
RAUI	R. T. 1, Akoula	150, A1-2-3
RAUK	R. T. 3, Kasatha	150
RAUL	R. T. 4, Navaga	150
RAUT	R. T. Toporak	187.5, 176.6, 168.7
RAUU	R. T. Lebed	187.5, 176.5, 166.7
RAUV	R. T. 48, Sevsgostroybtust	150
RAXD	Altaets	86.95, 63.55, 55.55, 36.21, 18.75
RAXH	Seiner	89.29, 71.09, 47.24
RAXJ	Seiner	93.17, 71.09, 48.23
RAXM	Seiner	89.82, 71.09, 47.39
RAXY	Seiner	91.6, 71.09, 47.85
RAYH	Dzerjinski	71.09, 47.1
RAYZ	Seiner	92.59, 71.09, 48.08
RAZB	Seiner	93.17, 71.09, 48.23
RAZD	Seiner	91.05, 71.09, 47.62
RAZE	Bogatyr	88.76, 71.09, 47.61
RBB	Ouja	71.2, 35.
RBC	Simpalatinsk	66.
RBD	Petrokav	

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
RGBF	Ouren	82, 66	RGH	Oufa	80, 43	RHBS	Belozersk	101, 35, 82, 66
RGBG	Elkino	82, 66	RGI	Baimak	69, 76	RHBT	Portable	82, 80, 68, 66
RGBH	Voskresenhoe	82, 66	RGIA	Arkhangelsk	82, 51, 63	RHBV	Novgorod	101, 35, 82, 66
RGBI	Kosmodemiansk	82, 66	RGB	Kotlas	80, 68, 66	RHBV	Semoutino	101, 35, 82, 66
RGBJ	Viatica	82, 66	RGIC	Bereznik	80, 68, 66	RHC	Portable	82, 68, 66, 40, 5
RGBK	Viatica	82, 66	RGID	Pinoga	80, 68, 66	RHC1	Eremina Gera	101, 35, 82, 66
RGBL	Omoutninsk	82, 66	RGIE	Emetsk	80, 68, 66	RHC2	Tikhoim	101, 35, 82, 66
RGBM	Peskevako	82, 66	RGIF	Khomlogory	80, 68, 66	RHC3	Teherentzovo	101, 35, 82, 66
RGBN	Polom	82, 66	RGIG	Onega	80, 68, 66	RHC4	Smolino	101, 35, 82, 66
RGBD	Kholouintza Oustie	82, 66	RGIH	Letchorekenskoe	80, 68, 66	RHC5	Koleki	101, 35, 82, 66
RGBP	Mouliuo	82, 66	RGII	Kargopol	80, 68, 66	RHC6	Ryjkovo	101, 35, 80, 66
RGBQ	Kobra	82, 66	RGIJ	Verkhniia Toima	80, 68, 66	RHD	Okha	55
RGBR	Soza Oustie	82, 66	RGIK	Kitchnenski	80, 68, 66	RHE	Petropavlovsk	58
RGBS	Tcherniaia Oustie	82, 66	RGIL	Nuksuitsa	80, 68, 66	RHH	Petropavlovsk	70, 62, 83
RGBT	Sinegorie	82, 66	RGIM	Nikolsk	80, 68, 66	RHHA	Primorsko	66
RGBU	Fedrovka Oustie	82, 66	RGIN	Iarensk	80, 68, 66	RHHB	Sotchi	89
RGBV	Nikolaev	82, 66	RGIO	Iliino Podomskoe	80, 68, 66	RHHH	Kamychevskaja	68
RGBW	Mytietz	82, 66	RGIP	Oust Pinoga	80, 68, 66	RHHH	Apcheronshia	60, 37
RGBX	Sordouk	82, 66	RGIQ	Ledinsk	80, 68, 66	RHHI	Rostov sur-le-Don	85, 11, 42, 55
RGBY	Letka Oustie	82, 66	RGIR	Karpogory	80, 68, 66	RHHJ	Arnavir	86, 58, 43, 29
RGBZ	Kazanka	82, 66	RGIS	Sozra	80, 68, 66	RHHK	Belosetchenskaja	86, 33, 43, 17
RG	Koureika	56, 05	RGIT	Storojevsk	82, 66, 68	RHHL	Northus Caucasica	85, 59, 42, 85
RGCA	Prokopiev	82, 66	RGIU	Viled Oustie	80, 68, 66	RHHM	Chakhty	86, 83, 43, 42
RGCB	Letka	82, 66	RGIV	Dorogorskoe	68, 66	RHHP	Mozdok	64, 93, 46, 66
RGCC	Slobodskoi	82, 66	RGIW	Vajgory	80, 68, 66	RHHQ	Voroutsovo	67, 26, 46, 80, 2
RGCD	Zouevka	82, 66	RGIX	Koslan	80, 68, 66	RHHR	Prokhladnaia	67, 114, 46, 58, 4
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RGCF	Bystritza Oustie	82, 66	RGIZ	Permogorie	80, 68, 66	RHHT	Koursavka	66, 67, 46, 37
RGCG	Krasnoe Lito	82, 66	RGJ	Ziliur	69, 44	RHHU	Izobilno	66, 37, 46, 29, 6
RGCH	Fitelka	82, 66	RGJA	Arkhangelsk	80, 68, 66	RHHV	Mikvian	66, 079, 46, 22, 5
RGCI	Mourachi	82, 66	RGJB	Slobodtchikovo	80, 68, 66	RHHW	Vechiuskaia	65, 94, 46, 15
RGCJ	Velikaia-Reka	82, 66	RGJC	Peredvika	82, 80, 68, 66, 40, 6	RHHX	Vinodoinoe	65, 79, 45, 66
RGCK	Iouria	82, 66	RGJD	Peredvika	82, 80, 68, 66, 40, 6	RHHY	Kuzanskaia	65, 5, 46, 01
RGCL	Verkkovino	82, 66	RGJE	Kneziats	80, 68, 66	RHHZ	Midevlie	65, 36, 45, 94
RGCM	Velikie Goltzy Oustie	82, 66	RGJF	Veliki Oustug	80, 68, 66	RHI	Kherpoutchi	69
RGCN	Verkhniia Maloma	82, 66	RGJG	Peredvika	82, 80, 68, 66, 40, 5	RHIA	Sorkhoz	65, 076, 45, 87, 2
RGCD	Chaboury	82, 66	RGJH	Peredvika	82, 80, 68, 66, 40, 5	RHIC	Pachkovskaia	87, 97, 73, 71
RGCP	Volmanga	82, 66	RGJI	Peredvika	82, 80, 68, 66, 40, 5	RHID	Gigant	96, 463, 62, 89, 3
RGCQ	Volmanga Oustie	82, 66	RGJJ	Peredvika	82, 80, 68, 66, 40, 5	RHIE	Elizavetopolskaia	60, 48
RGCR	Koupok	82, 66	RGJK	Peredvika	82, 80, 68, 66, 40, 5	RHIF	Groznyi	51, 31, 71, 16, 43, 42
RGCS	Choubriuk	82, 66	RGJL	Peredvika	82, 80, 68, 66, 40, 5	RHIG	Platigorsk	73, 18, 43, 07
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RGCV	Darovskoe	82, 66	RGJD	Syktyvkar	82, 66	RHIJ	Novorossik	59, 41, 52, 54
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RGDZ	Viehkia	82, 66	RGJS	Televiot Chnoe	82, 66	RHIP	Krasnodor	82, 65, 39, 74
RGDA	Arba	82, 66	RGJT	Peredvika	82, 80, 68, 66, 40, 5	RHK	Iamskoe	72
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RGDD	Medvedki	82, 66	RGJW	Urkin	101, 35, 82, 66	RHS	Karaganda	64, 516
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RGDH	Nemdo Oustie	82, 66	RGKD	Vologda	71, 09, 47, 09	RHW	Pecha	88, 235
RGDI	Ostryi Neya	82, 66	RGKE	Oust Ousa	71, 09, 47, 09	RHX	Soerdlovsk	65, 846, 30, 612
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RGDD	Akhmat Vorbii	82, 66	RGN	Ianaval	80	RIAF	Privoljje	66, 964, 46, 656
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RGDK	Stunets	82, 66	RHA2	Lunina	101, 35, 82, 66	RIH	Alexandrovsk	87, 21, 42, 37
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RGDT	Voraj	82, 66	RHAG	Leningrad	45, 2, 23, 3	RIKB	Roiebtovsk	101, 35, 82, 66
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RGEG	Chimourcha	82, 66	RHAX	Leningrad	75, 95, 42, 41	RIKO	Peredvika	82, 80, 68, 66, 40, 6
RGEH	Vakltan	82, 66	RHAY	Leningrad	100, 67	RIKP	Tcharychskaja	101, 35, 82, 66
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RILO	Kouznetsk	85.35, 42.67	RJV	Vapniarka	69.525, 53.191	RKDD	Kozatin	78.125, 53.381
RILQ	Onesk	85.59, 42.54	RJW	Znaminka	79.787, 53.951	RKOM	Denpropetrovsk	49.02, 34.97
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RILS	Tisoul	82, 66	RJXA	Mathatch	69.69, 39.89	RKOO	Odesa	98.68, 48.78
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RILX	Chemanaikh	49.34, 35.17	RKA3	Tchernaina	101.35, 82, 65	RKT	Nezametnoe	23.5
RILY	Achinsk	67.72, 49.45	RKA4	Mouronka	101.35, 82, 66	RKU	Turkestan	21.9, 35.7
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RIMK	Topki	68.97, 49.59	RKAI	Peredvika	02, 80, 68, 66, 40.5	RLAO	Peredvika	82, 80, 68, 66, 40.5
RIML	Kamin	89.82, 71.09	RKAJ	Peredvika	82, 80, 68, 66, 40.5	RLAE	Peredvika	82, 80, 68, 66, 40.5
RIMM	Oust Tcharychskain	71.09, 46.97	RKAK	Peredvika	82, 80, 68, 66, 40.5	RLAF	Peredvika	82, 80, 68, 66, 40.5
RIMN	Kolpachevo	88.49, 71.09	RKAL	Peredvika	82, 80, 68, 66, 40.5	RLAG	Peredvika	82, 80, 68, 66, 40.5
RIMD	Kargasok	38.49, 71.09	RKAM	Peredvika	82, 80, 68, 66, 40.5	RLAH	Peredvika	82, 80, 68, 66, 40.5
RIMQ	Oust Tcharychskain	101.35, 82, 66	RKAN	Peredvika	82, 80, 68, 66, 40.5	RLAI	Peredvika	82, 80, 68, 66, 40.5
RIMR	Koumir	101.35, 82, 66	RKAD	Peredvika	82, 80, 68, 66, 40.5	RLAJ	Peredvika	82, 80, 68, 66, 40.5
RIMS	Podscvenskoe	101.35, 82, 66	RKAP	Peredvika	82, 80, 68, 66, 40.5	RLAK	Peredvika	82, 80, 68, 66, 40.5
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RIMU	Talmenka	101.35, 80, 55	RKAR	Peredvika	82, 80, 68, 66, 40.5	RLAM	Peredvika	82, 80, 68, 66, 40.5
RIMV	Kouznetek	57.143	RKAS	Peredvika	32, 80, 68, 66, 40.5	RLAN	Peredvika	82, 80, 68, 66, 40.5
RIMX	Omsk	44.8	RKAT	Peredvika	32, 83, 68, 66, 40.5	RLAO	Peredvika	82, 80, 68, 66, 40.5
RIMY	Slavgorod	40.98	RKAV	Kandalakcha	49.26	RLAP	Peredvika	82, 80, 68, 66, 40.5
RIMZ	Souzoun	41.04	RKAW	Petrovavodsh	48.86	RLAQ	Peredvika	82, 80, 68, 66, 40.5
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RINZ	Oust Kokra	61.6	RKBH	Pinozero	36.23	RLBC	Taakira	61.25
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RIP	Bakou	74.24, 45.7	RKF	Moskva	43.8, 43.67, 43.6, 43.48, 21.9, 21.84, 21.8, 21.74	RLBG	Moukhor	79, 62.63
RIR	Tiflis	29.76, 24.83	RKG	Moscow	4.5, 14.7, 3.7, 5.4, 7, 22.822, 20.013	RLBH	Troitskosavsk	80.43, 65.79
RIS	Tiflis	44.58, 43.64	RKH	Moscow	4.5, 14.7, 3.7, 5.4, 7, 22.822, 20.013	RLBI	Igarka	53.5, 38.5
RIT	Bakou	62.11, 40.11	RKI	Moscow	39.894, 19.947	RLBN	Birussa	
RIT1	Tomsk	101.35, 82, 66	RKK	Moscow	48.9, 24.45	RLBT	Krasnoirsk	86.08, 42.92
RIT2	Okounevo	82, 66	RKL	Khabarovsk	17.26	RLBU	Chilka	51.72
RIT3	Mogotchino	82, 66	RKLA	Artemivsk	85.84, 42.92	RLBV	Krasnoirsk	51.72
RIT4	Moltchanovo	82, 66	RKLB	Stalino	84.87, 42.84	RLBW	Tzikkan	50.51
RIT5	Krasnyi Iar	82, 66	RKLC	Jitomsk	43	RLBX	Nijne Oudinsk	93.76, 68.77, 67.41, 50
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RIV	Oust Maia	83.34, 40.98	RKLH	Berdiansk	84.62, 42.31	RLC	Kijma	46.5
RIX	Kremenchoug	78.947, 53.763	RKLI	Lougansk	85.35, 42.67	RLCA	Irkutsk	51.28
RIZ	Tchernigov	81.522, 54.545	RKLJ	Duepropetrwsk	84.58, 43.29	RLCC	Irkutsk	82
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RJAN	Peredvika	82, 80, 68, 66, 40.5	AKMB	Gorlevka	50.25	RLCV	Krasnoirsk	93.75, 35.32
RJAO	Peredvika	82, 80, 68, 66, 40.5	AKMC	Odesa	51.107	RLD	Krasnoirsk	40.5
RJAP	Sverdlovsk	68.96, 52.63	AKMD	Odesa	77.92, 54.48	RLF	Blagavestchensk	61.5
RJAQ	Troitsk	55.05	AKME	Chepetovka	63.425, 38.641	RLI	Termez	48.8
RJAR	Ural	82, 80, 68, 66, 40.5	AKMF	Jnicirinka	61.475, 40.161	RLJ	Tuflis	51.11
RJAS	Portable	82, 80, 68, 66, 40.5	AKMG	Jitonii	61.856, 40.54	RLK	Moscow	33.82
RJAT	Khelmerside	62.77	AKMH	Vinnitsa	62.31, 40.268	RLM	Ostrov	57
RJAV	Novaja Pouiko	50.59, 36.452	AKMI	Christinovka	62.5, 40.323	RLN	Beloretch	82, 66
RJAX	Nyda	50.565, 36.408	AKMJ	Krivoi Rog	62.63, 40.377	RLP	Oufa	82, 66
RJAZ	Ohdorsk	50.42, 36.364	AKMK	Zaporojie	60.606, 40.326	RLR	Zilair	82, 66
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RJBB	Tumen	71.78	AKMN	Novo Diviovka	51.55	RLRG	Oufa	33.1
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RJBD	Sverdlovsk	87.97, 43.42	AKMP	Sorokino	51.195	RLRI	Portable	82, 80, 68, 66, 40.5
RJBE	Tobolsk	87.71, 42.31	AKMQ	Verkhni	51.62	RLRJ	Topornino	48.23
RJBF	Ohdorsk	85.50, 42.85	AKMR	Verkhni	51.02	RLRK	Oufa	47.62
RJBG	Tobolsk	71.4	AKMS	Kharkev	50.93	RLRL	Bouraevo	82, 66
RJBH	Kourgan	86.33, 42.86	AKMT	Kharkev	51.55	RLRM	Baimak	82, 66
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RJCA	Ooualsk	38.51, 31.58	AKMW	Oiekrainskaia	82, 80, 68, 66, 40.5	RLRP	Krasnououjinsk	82, 66
RJCF	Eniseisk	56.18	AKMX	Makesvan	50.42	RLRQ	Ianouul	76.14, 43.23
RJG	Toungonuka	54.95	AKMY	Khersenk	72.1, 47.1	RLRR	Arguinch	80.214
RJI	Berditchev	66.519, 52.45	AKMZ	Keiv	69.93, 48.23	RLRX	Nikolo Berezvka	65.359
RJJ	Touroukhansk	51.02, 37.97	AKNA	Novosibirsk	69.97	RLRY	Oufa	80.429
RJK	Strelka	49.7	AKNB	Kharkev	98.04, 81.74, 67.04, 54.5, 43.86, 35.32, 21	RLRZ	Zilai	69.444
RJL	Kamenka	32.2	AKNC	Kiev	51.37	RLS	Routcherikovo	67.416, 51.803
RJM	Goltavino	37	AKND	Portable	82, 80, 68, 66	RLSA	Oufa	71.2, 36
RJN	Balakhta	34.2	AKNE	Portable	82, 80, 68, 66	RLT	Chakty	80.645, 54.152
RJO	Krasnoirsk	61.22	AKNF	Portable	82, 80, 68, 66	RLU	Khacokv	80.214, 55.659
RJP	Kazatin	78.125, 63.381	AKNG	Portable	82, 80, 68, 66	RLV	Grichino	82.218, 54.845
RJRA	Voroniz	68, 50.76	AKNH	Portable	82, 80,			

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VDL	London, Ont.	98.50, 61.80, 42.98	VGKW	Empress of Russia		VJQ	Salamoa, New Guinea	39.47
VDM	Moose Jaw, Sask.	98.50, 61.98, 42.98	VGKY	Chelovin	198.7	VJU	Marburg, New Guinea	
VDR	Regina, Sask.	98.50, 61.80, 42.98	VGKZ	Beatrice	198.7	VJV	Manus, New Guinea	75.53, 36.80
VDT	Toronto, Ont.	98.50, 69.12, 61.80, 42.98	VGL	Merry Is., B. C.		VJW	Aitape, New Guinea	73.53, 36.80, 22.09
VEB	Mayo Landing, Yukon	51.77, 38.41, 31.04, 24.3	VGLM	Robert Preston	198.7	VJX	Bulolo, New Guinea	39.47
VEC	Fort Simpson, Yukon	51.77, 31.04, 24.3	VGLP	Burrard Chief	198.7	VJY	Kavieng, New Guinea	73.53, 36.80
VED	Edmonton, Alta.	51.77, 38.41, 31.04, 24.3	VGLR	Cottonwood	198.7	VJZ	Rabaul, New Guinea	78.9, 15.345, 48.54, 43.47, 32.22
VEF	Aklavik, N. W. T.	31.04	VGMS	Progressive	198.7	VKA	Bogolar	185
VEJ	Camp Borden, Ont.	38.41, 35, 31.04, 24.3	VGMY	Hustler	198.7	VKB	Yass	185
VEL	Winnipeg, Man.	31.04	VGMZ	Moresby	198.7	VKD	Melbourne	177.5
VEQ	Cornorant Lake, Man.	31.04	VGNF	Masset	198.7	VKF	Melbourne	145
VER	Ottawa, Ont.	38.41, 54.9, 35, 24.3, 51.77	VGNP	Princess Elaine	198.7	VKJ	New So. Wales	184.95
VER	Ottawa, Ont.	35.0	VGNR	Ark	198.7	VKK	Birdsville	148.514, 34.762
VE9AC	Vancouver, B. C.	197.4, 189.9, 125.1, 46.7	VGNS	Prince Edward Island	189.9	VKL	Tasmania	148.514, 33.97
VE9AD	Glace Bay, N. S.	187, 125.1, 46.7, 23.35	VGPZ	Faultless	198.7	VKM	Victoria	148.51, 34.76
VE9AF	Montreal		VGOJ	Projective	198.7	VKN	Rottneet Is.	185
VE9AG	Toronto, Ont.	42.98	VGRM	D. B. M.	198.7	VKO	Oil Co., New Guinea	197.36
VE9AH	Calgary, Alberta		VGRS	James Caruthers	198.7	VKQ	Melbourne	108.3, 81.1, 51.72
VE9AM	Montreal	198.7, 187, 125.1, 46.7, 23.35	VGRY	Greta M.	198.7	VKS	Sydney	43, 20, 16
VE9AN	Toronto, Ont.	49.83	VGRS	Charlottetown	189.9	VKV	Hobart	106.4, 80, 51.28
VE9AP	Drummondville, Que.	47.5	VGRY	Hopkins	198.7	VKX	Milinginebi	148.51, 34.76
VE9AQ	Nirjigon, Ont.	50, 42.98	VGSP	Sea Wave	198.7	VKY	Goulburn Is.	148.51, 34.76
VE9AR	Saskatchewan		VGSR	Salvage Princess	198.7	VK2ME	Sydney	28.5, 18.3, 37.69
VE9AU	London, Ont.	149.7, 142.9	VGSX	S. Rock	23.4, 47.5	VLA	Cape Bruny	189.993
VE9AY	Toronto, Ont.	62.56, 34.68, 23.35	VGSZ	Ivanhoe	198.7	VLB	Otago, New Zealand	189.993
VE9AZ	Maple Mount, Ont.	90, 185.2, 109.5	VGTJ	Le Roi	198.7	VLC	Tasmania	190
VE9BA	Montreal		VGTQ	Lorne	198.7	VLJ	Sydney	32.15, 30.78, 22.49, 18.37, 17.016
VE9BB	Toronto, Ont.	34.68	VGTR	Norshore	198.7	VLK	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9BC	Campbell River, B. C.	135.6, 99.5	VGWN	Nowan	198.7	VLT	Buloville, Dut. New Guinea	105.44, 86.21, A2-3
VE9BD	Swains Lake, Ont.	185.2, 109.6, 90	VGWN	Peerless	198.7	VLU	Lae, Dutch New Guinea	105.44, 86.21
VE9BE	De Forest Road, Toronto	23.98	VGWY	R. F. M.	198.7	VLZ	Sydney	37.59, 30.737, 22.49, 20.4, 18.37
VE9BF	Temagami, Ont.	185.2, 109.5, 90	VGXC	Czar	198.7	VMS	Sydney	43, 19.39
VE9BG	Savant Lake, Ont.	185.2, 109.5, 90	VGXL	S. Faith	198.7			
VE9BH	Savant Lake, Ont.	185.2, 109.5, 90	VGXN	Prospective	198.7			
VE9BK	Vancouver, B. C.	187, 125.1	VGXP	Sea Lion	198.7			
VE9BL	Elk Point, Ont.	185.2, 109.5, 90	VGXX	Primitive	198.7			
VE9BM	Montreal	187, 125.1, 92.1, 46.7	VGXT	La Reine	198.7			
VE9BN	Lake St. Joseph	185.2, 109.5, 90	VGYC	Prospective	198.7			
VE9BP	Powell River, B. C.	135.6, 99.5, 55.71	VGYD	Courde	198.7			
VE9BR	Armstrong, Ont.	185.2, 109.5, 90	VGYE	Vanceor	198.7			
VE9BT	Fort Hope, Ont.	185.2, 109.5, 90	VGYF	Venture	198.7			
VE9BU	Caribou Lake, Ont.	185.2, 109.5, 90	VGYK	Wilmurdel	198.7			
VE9BV	Little Atibeti Lake, Ont.	185.2, 109.5, 90	VGYL	Columbus	198.7			
VE9BX	Stinson, Ont.	185.2, 109.5, 90	VGYN	Chilliwook	198.7			
VE9BZ	Vancouver, B. C.	109.5, 105.3	VGYO	Eva R.	198.7			
VE9CE	Campbell R., B. C.	86.7	VGYR	Emice B.	198.7			
VE9CH	Geizers Hill, Nova Scotia	90.04, 18.973	VGYW	Sea Lion	198.7			
VE9CI	London, Ont.	108.8	VGYX	P. L. M. 3	86.7, 46.7			
VE9CM	Mount Dennis, Ont.	187, 125, 92.1, 46.7	VGZL	Island Comet	198.7			
VE9CN	Mt. Dennis, Ont.	23.35	VGZM	P. T. B. No. 2	198.7			
VE9CP	Montreal	187, 68.87, 51.37, 42.98	VGZN	Canada	198.7			
VE9CQ	Toro Rapids, P. Q.	187, 68, 51.37, 42.98	VGZT	Quebec	198.7			
VE9CR	La Prairie, P. Q.	187, 125.1, 46.7, 23.35	VGZW	Canada	198.7			
VE9CT	Lulu Is., B. C.	135.6	VGZY	Commodore	198.7			
VE9CV	Calgary, Alta.	49.96	VGZY	Princess Norah	198.7			
VE9DA	Otter Lake, Ont.	185.2, 109.5, 90						
VE9DB	Wengiskes, Ont.	185.2, 109.5, 90						
VE9DC	Kenora, Ont.	185.2, 109.5, 90						
VE9DD	Manitou Lake, Ont.	185.2, 109.5, 90						
VE9DE	Sault Ste. Marie, Ont.	185.2, 109.5, 90						
VE9DF	Pukaskwa, Ont.	185.2, 109.5, 90						
VE9DG	Oriente Bay, Ont.	185.2, 109.5, 90						
VE9DH	Barn Is., Ont.	185.2, 109.5, 90						
VE9DI	North Bay, Ont.	185.2, 109.5, 90						
VE9DJ	Latchford, Ont.	185.2, 109.5, 90						
VE9DN	Montreal, Que.							
VE9DS	Mt. Royal, Que.							
VE9DE	Montreal, Que.							
VE9EG	Mt. Joli, Que.							
VE9GG	Calgary, Alta.	49.10						
VE9HF	Timagimi, Ont.							
VE9HP	Ear Falls, P. Q.	62.56, 51.77						
VE9OB	Ottawa, Ont.	40.82, 20.41						
VE9RM	Toronto, Ont.							
VFA	Halifax, N. S.	47.17, 44.81, 23.58, 22.43, 175.4, 147.8						
VFB	Toronto, Ont.	69.12						
VFH	Magnet Point, B. C.	198.7, 131						
VFJ	Honalko, B. C.	131						
VFL	Hudson Straits	62.82						
VFM	Vancouver, B. C.	62.82						
VFQ	Regina, Sask.	69.12, 18.349						
VFW	Fort Norman, N. W. T.	69.12, 18.349						
VFY	Thicket, Man.	69.12, 18.349						
VFZ	Camp Borden	91.5, 18.349						
VGBL	Provincial II	198.7						
VGBN	Mangen	198.7						
VGBT	Plunger	198.7						
VGCF	P. D. G. 2	86.7, 46.7						
VGCK	Kiora	194.8						
VGCN	P. L. M. 8	175.3, 124.17, 86.7, 46.7						
VGCP	Clayburn	198.7						
VGCX	Earl	198.7						
VGDJ	Pacific Monarch	198.7						
VGDM	Storm King	198.7						
VGDW	Annacis	198.7						
VGDV	Dauntless	198.7						
VGFM	Cape Scott	198.7						
VGFQ	Almara	198.7						
VGFS	B. C. Forester	194.8						
VGJL	Canadian Commander							
VGJR	Oliver Clarke	194.8						
VGJS	Tacouite	198.7, 54.3, 54						
VGJZ	Wireless	198.7						
VGKN	Chemiaus	198.7						
VGKP	Achates	198.7						
VGKT	Empress of Asia							

VDA-VDZ - NEW FOUNDLAND

VDQJ	Malbo	35
VDQL	Irene	35
VDQM	Reo	35
VDQN	Selmak	35
VDQP	Yamaska	35
VDRR	Prince Albert	35
VDOQ	Casanova	35
VDQX	Chasina	35

VPA-VSZ - BRITISH COLONIES AND PROTECTORATES

VPA	Mabaruna, Br. Guiana	43.86
VPB	Colombo, Ceylon	36.49
VPC	Falkland Isls., So. Amer.	
VPD	Sura, Fiji Islands	25.13, 22.94, 20.79
VPE	Suva, Fiji Islands	20.70, 25.13
VPF	Labasa, Fiji Islands	43.79, 80.43
VPG	Tareni, Fiji Islands	43.79, 80.43
VPIA	Gold Coast, W. Africa	32.08, 18.575
VPIB	Suva, Fiji Islands	20.8
VPIK	Nassau, Nassau	74.34, 52.40, 52.38
VPLN	Coronada, Falkland Is.	36.5, 31
VPNR	Saragosa	36.5
VPSJ	Southern Empress, Falkland Is.	36, 22.6
VPSL	Discovery II	36.5, 26.59
VPSM	Salvestria, Falkland Is.	36.5
VPSN	Sourabaya, Falkland Is.	36.5
VPSO	Kenya, Africa	36.74, 21.59
VPSV	Cape D'Agular, Hong Kong	
VPW	Singapore, Straits Sett.	34.52
VPX	Penang, Straits Sett.	32.97
VPZ	Zanzibar, Zanzibar	36.19
VQA	Jessetown, Bermuda	54.84, 29.67, 14.85
VQB	Sandakan, Borneo	44.88, 29.41, 52.91
VQC	Batu Anam, Sarawak	34.44, 29.67, 27.80
VQD	Kenya, Br. E. Africa	27.96, 15.283
VQE	Suvavau, Fiji Island	43.79, 80.43
VQF	Miri, Sarawak	34.44, 27.98
VQG	Kenya, Br. East Africa	53, 45.52, 42.98, 40.49, 32.02, 26.09, 20.25
VQH	Sabu, Sarawak	34.44
VQI	Kamakusi, Br. Guiana	
VQJ	Georgetown, British Guiana	54.59, 33.73
VQK	British Guiana	43.86
VQL	Suva, Fiji Islands	80.43, 43.79
VQM	Stony Hill, Jamaica, B. W. I.	
VQN	Mauritius	20.38, 31.76
VQO	Hamilton, Bermuda	29.80, 59.42
VQP	British Guiana, S. Am.	43.86, 30.99
VQR	British Guiana, S. Am.	43.86
VQS	Apoteri, Br. Guiana	43.86
VQT	Nukunolo, Tonga	43.79
VQU	Basrah, Iraq	
VQV	Chebuda, British India	105
VQW	Suva, Fiji Islands	
VQX	Calcutta, India	36.96, 30.80
VQY	Delhi, India	33.48
VQZ	Ambala, India	50.12, 26.54
VVA	Ambala, India	26.667
VVB	Poona, India	44.09, 27.77
VVC	Karachi, India	74.75, 30.045
VVD	Lahore, India	38.24, 24.038
VVE	Madras, India	23.041
VVF	Miranskat, India	35.84
VVG	Kohat, India	34.86, 20.155
VVH	Peshawar, India	34.82
VVI	Quetta, India	38.26, 24.291
VVJ	Rangoon, India	36.65, 32.57
VVK	Simla, India	33.241, 17.606
VVL	Lower Topa, India	86.95, 30.075

VHA-VMZ AUSTRALIA

VHD	Sydney	35.335
VHE	Victoria	44.60, 30.54, 22.30
VHF	Melbourne	44
VHG	Melbourne	44
VHI	Victoria</	

BEST SHORT-WAVE STATIONS

This list of short-wave relay broadcasting, commercial and experimental stations is the result of several years of work. Names and ad-

resses are included wherever possible so that you may know where to write. The blank spaces are for the dial settings of your own set.

★Stars designate the most active and best heard stations. Times are Eastern Standard
 C—Commercial phone. B—Broadcast service. X—Experimental service.

Station	Dial	Station	Dial	Station	Dial	Station	Dial
27800 kc. W6XD -X- 10.79 meters Mackay Radio PALO ALTO, CALIF.		18620 kc. GAU -C- 16.11 meters General Post Office RUGBY, ENGLAND		16270 kc. WLK -C- 18.44 meters A. T. & T. Co. LAWRENCEVILLE, N. J.		14470 kc. WMF -C- 20.73 meters LAWRENCEVILLE, N. J.	
21540 kc. ★ W8XK -B- 13.93 meters WESTINGHOUSE ELECTRIC SAXONBURG, PA. 7 a. m.-2 p. m.; relays KDKA programs		18370 kc. PMC -C- 16.33 meters BANDOENG, JAVA.		16270 kc. WOG -C- 18.44 meters OCEAN GATE, N. J.		14525 kc. XDA -C- 20.65 meters TRANS-NEWS AGENCY Mexico City 2:30-3 p. m.	
21470 kc. GSH -B- 13.97 meters BRITISH BROAD. CORP. Daventry, England British Empire programs NOT USED AT PRESENT		18345 FZS -C- 16.35 meters Saigon INDO-CHINA		16233 kc. FZR -C- 18.48 meters SAIGON, INDO-CHINA phone to Paris		14530 kc. LSA -C- 20.65 meters BUENOS AIRES, ARGENTINA	
21420 kc. WKK -C- 14.01 meters A. T. & T. CO. LAWRENCEVILLE, N. J. Transoceanic phone		18340 kc. WLA -C- 16.36 meters LAWRENCEVILLE, N. J.		15880 kc. FTK -C- 18.90 meters ST. ASSISE, FRANCE		14440 kc. GBW -C- 20.78 meters Rugby, England	
21130 kc. LSM -C- 14.15 meters BUENOS AIRES, ARGENTINA Commercial radiophone		18310 kc. GAS -C- 16.38 meters General Post Office RUGBY, ENGLAND		15490 kc. J1AA -X- 19.36 meters Mornings KEMIKAWOA-CHO-CHIBA- KEN, JAPAN		13990 kc. GBA -C- 21.44 meters RUGBY, ENGLAND	
21060 kc. WKA -C- 14.25 meters LAWRENCEVILLE, N. J.		18240 kc. FRO, FRE -C- 16.44 meters ST. ASSISE, FRANCE		15330 kc. ★ W2XAD -B- 19.56 meters GENERAL ELECTRIC CO. Schenectady, N. Y. Relays WGY, Mon., Wed., Fri., 2:30-3:30 p. m., Sun. 2-4 p. m.		13585 kc. GBB -C- 22.08 meters RUGBY, ENGLAND	
21020 kc. LSN -C- 14.27 meters BUENOS AIRES, ARGENTINA Commercial radiophone		18200 kc. GAW -C- 16.48 meters RUGBY, ENGLAND		15295 kc. CP4 -B- 19.61 meters LA PAZ, BOLIVIA 10:30-11:30 a. m.		13465 kc. GBQ -C- 22.28 meters RUGBY, ENGLAND	
20730 kc. LSY -C- 14.47 meters BUENOS AIRES ARGENTINA Commercial radiophone		18040 GAB -C- 16.63 meters RUGBY, ENGLAND		15270 kc. ★ W2XE -B- 19.65 meters Atlantic Broadcasting Corp. Wayne, N. J. 11 a. m.-1 p. m., relays WABC		13390 kc. WMA -C- 22.40 meters A. T. & T. CO., LAWRENCEVILLE, N. J.	
20380 kc. GAA -C- 14.72 meters RUGBY, ENGLAND		17810 kc. PCV -C- 16.84 meters KOOTWIJK, HOLLAND 6:00-9:00 a. m.		15243 kc. ★ FYA -B- 19.68 meters "RADIO COLONIAL" Pontoise (Paris), France Service de la Radiodiffusion, 103 Rue de Grenelle, Paris 8-11 a. m.		13210 kc. WOO -C- 22.71 meters OCEAN GATE, N. J.	
19900 kc. LSG -C- 15.87 meters BUENOS AIRES ARGENTINA		17780 kc. ★ W3XAL -B- 16.87 meters NATIONAL BROAD. CO. Bound Brook, N. J. 9 a. m.-2 p. m., exc. Sat. Relays WJZ		15210 kc. ★ W8XK -B- 19.72 meters WESTINGHOUSE ELECTRIC & MFG. CO. Saxonburg, Pa. 10 a. m.-4:15 p. m. Relays KDKA		12863 kc. XPERMNTAL 23.32 meters General Experimental Channel (U. S. A.)	
19820 kc. WKN -C- 15.14 meters A. T. & T. Co., LAWRENCEVILLE, N. J.		17770 kc. ★ GSG -B- 16.88 meters British Broad. Corp. DAVENTRY, ENGLAND British Empire programs Daily, 7-8:45 a. m.; Sunday, 7:30-8:45 a. m.		15200 kc. ★ DJB -B- 19.73 meters ZEESEN, GERMANY 8 a. m., 1:40 p. m.		12840 WOY -C- 23.36 meters LAWRENCEVILLE, N. J.	
19355 kc. FTM -C- 15.50 meters ST. ASSISE, FRANCE		17775 kc. ★ PHI -B- 16.88 meters HUIZEN, HOLLAND		15140 kc. ★ GSF -B- 19.81 meters BRITISH BROAD. CORP. Daventry, England British Empire programs 3-5 a. m.		12840 WOO -C- 23.36 meters OCEAN GATE, N. J.	
19220 kc. WKF -C- 15.60 meters A. T. & T. Co., LAWRENCEVILLE, N. J. Transoceanic radiophone		17640 kc. Ship. -C- 17.00 meters SHIPS Phones to Shore Work on this and higher channels		15120 kc. ★ HVJ -B- 19.83 meters VATICAN CITY Rome, Italy 5:00 to 5:15 a. m., except Sunday, and irregularly at 10 a. m.		12825 kc. ★ CNR -B, C- 23.39 meters DIRECTOR GENERAL Telegraph and Telephone Stations, Rabat, Morocco Phones Paris mornings irregularly Broadcasts Sunday, 7:30-9:00 a. m.	
19160 kc. GAP -C- 15.66 meters RUGBY, ENGLAND		17310 kc. XPERMNTAL -X- 17.33 meters General Experimental Channel (U. S. A.)		15120 kc. WMN -C- 20.56 meters LAWRENCEVILLE, N. J.		12780 kc. GBC -C- 23.47 meters RUGBY, ENGLAND	
18970 GAQ -C- 15.81 meters RUGBY, ENGLAND		17120 kc. WOO -C- 17.52 meters A. T. & T. Co., OCEAN GATE, N. J.		12290 kc. GBU -C- 24.41 meters RUGBY, ENGLAND		12260 kc. FTN -C- 24.47 meters ST. ASSISE (PARIS), FRANCE	
18830 kc. PLE -C- 15.93 meters BANDOENG, JAVA.		17120 kc. WOY -C- 17.52 meters LAWRENCEVILLE, N. J.		12150 kc. GBS -C- 24.69 meters RUGBY, ENGLAND			
18680 GAX -X- 16.06 meters RUGBY, ENGLAND		17080 kc. GBC -C- 17.56 meters RUGBY, ENGLAND					

Station	Dial	Station	Dial	Station	Dial	Station	Dial
12000 kc. RNE -B- 25 meters MOSCOW, U. S. S. R. Sun. 8-9, 10-11 a. m. and irregularly daily		10550 kc. WOK -C- 28.44 meters A. T. & T. CO., LAWRENCEVILLE, N. J.		9590 kc. ★VK2ME -B- 31.28 meters AMALGAMATED WIRELESS, Ltd., Sydney, Australia Sunday, 1-3 a. m., 5-9 a. m., 9-11 a. m.		8560 kc. WOY -C- 35.05 meters LAWRENCEVILLE, N. J.	
11950 kc. KKKQ -X- 25.10 meters BOLINAS, CALIF.		10530 kc. GBX -X- 28.49 meters RUGBY, ENGLAND		9590 kc. ★W3XAU -B- 31.28 meters BYBERRY, PA. relays WCAU		8450 kc. PRAG -C- 35.50 meters PORTO ALEGRE, BRAZIL 8:30-9:00 a. m.	
11880 kc. ★FYA -B- 25.25 meters "RADIO COLONIAL" Pontoise, Paris 11:15 a. m.-2:15 p. m., 3-6 p. m.		10520 kc. VLK -C- 28.51 meters SYDNEY, AUSTRALIA		9585 kc. ★GSC -B- 31.29 meters BRITISH BROAD. CORP. Davertry, England British Empire programs Daily, 1:15-5:45 p. m., 6-8 p. m.		8036 kc. ★CNR -B- 37.33 meters RABAT, MOROCCO Sunday, 3-5 p. m.	
11870 kc. ★W8XK 57 -B- 25.26 meters Westinghouse Electric Co. SAXONBURG, PA. 4:30-10:00 p. m. Relays KDKA programs		10410 kc. PDK -C- 28.80 meters KOOTWIJK, HOLLAND 7:30-9:40 a. m.		9570 kc. ★W1XAZ -B- 31.35 meters WESTINGHOUSE ELECTRIC & MFG. CO. Springfield, Mass. Relays WBZ, 7 a. m.-1 a. m.		7920 kc. GCP -C- 37.88 meters RUGBY, ENGLAND	
11865 kc. ★GSE -B- 25.28 meters British Broad. Corp. DAVENTRY, ENGLAND British Empire programs Daily 7-8:45 a. m., 9-11 a. m. Sunday, 7:30-8:45 a. m., 9-11 a. m.		10410 kc. KES -X- 28.80 meters BOLINAS, CALIF.		9560 kc. ★DJA -B- 31.38 meters ZEESEN, GERMANY 12:30-9:15 p. m.		7880 kc. J1AA -C- 38.07 meters KEMIKAWOA-CHO-CHIBA- KEN, JAPAN	
11830 kc. ★W2XE -B- 25.36 meters ATLANTIC BROADCASTING CORP., Wayne, N. J. 3-5 p. m. Relays WABC		10300 kc. LSL -C- 29.13 meters BUENOS AIRES, ARG. Relays Broadcasts Occasionally		9530 kc. ★W2XAF -B- 31.48 meters GENERAL ELECTRIC CO. Schenectady, N. Y. Relays WGY programs 7:45-11 p. m.		7830 kc. PDV -C- 38.30 meters KOOTWIJK, HOLLAND After 9 a. m.	
11810 kc. ★I2RO -B- 25.4 meters Rome, Italy 11:30 a. m. to 12:15 p. m. and 1:15-6 p. m.		9950 kc. GCU -C- 30.15 meters RUGBY, ENGLAND		9510 kc. ★GSB -B- 31.55 meters BRITISH BROAD. CORP. Davertry, England British Empire programs Daily, 9 a. m.-1 p. m.		7799 kc. ★HBP -B- 38.47 meters LEAGUE OF NATIONS, GENEVA, SWITZERLAND 5:30-6:15 p. m., Saturday	
11790 kc. W1XAL -B- 25.45 meters BOSTON, MASS.		9890 kc. LSN -C- 30.30 meters BUENOS AIRES Phone to Europe		9510 kc. ★VK3ME -B- 31.55 meters AMALGAMATED WIRELESS, Ltd. G. P. O. Box 1272L, Melbourne, Australia Wed., 5:00-6:30 a. m., Saturday, 5:00-7:00 a. m.		7770 kc. PCK -C- 38.60 meters KOOTWIJK, HOLLAND 9 a. m. to 7 p. m.	
11760 kc. ★DJD -B- 25.50 meters ZEESEN, GERMANY 8 a. m.-2:30 p. m. ...		9870 kc. WON -C- 30.4 meters LAWRENCEVILLE, N. J.		9490 kc. SR1 -B- 31.6 meters POZNAN, POLAND		7480 kc. GDW -C- 40.11 meters RUGBY, ENGLAND	
11750 kc. ★GSD -B- 25.53 meters BRITISH BROAD. CORP. Davertry, England British Empire programs Daily 3-5 a. m., 1:15-4 p. m.		9870 kc. J1AA -X- 30.4 meters KEMIKAWOA-CHO-CHIBA- KEN, JAPAN 4-7 a. m., irregularly		9330 kc. CGA -C- 32.15 meters DRUMMONDVILLE, CANADA		7444 kc. HBQ -B- 40.3 meters LEAGUE OF NATIONS, GENEVA, SWITZERLAND	
11730 kc. ★PHI -B- 25.57 meters HUIZEN, HOLLAND 8:30-10:30 a. m., Mon., Thurs., Fri., and 8:30-11 a. m., Sat. and Sun.		9860 kc. ★EAQ -B- 30.43 meters MADRID, SPAIN Daily 5:30-7:30 p. m., also 1-3 p. m. Saturdays		9280 kc. GCB -C- 32.33 meters RUGBY, ENGLAND		7150 kc. HJ4ABB -B- 41.6 meters MANIZALES, COLOMBIA Sat., 11 p. m.-Midnight	
11720 kc. ★VE9JR -B- 25.6 meters WINNIPEG, CANADA Daily 6-10:30 p. m., Sunday 9-10:30 p. m.		9790 kc. GCW -C- 30.64 meters RUGBY, ENGLAND		9200 kc. GCS -C- 33.26 meters RUGBY, ENGLAND		6990 kc. LCL -B- 42.92 meters JELOY, NORWAY Daily 1-5 p. m.	
11705 kc. ★FYA 52.5 -B- 25.63 meters "RADIO COLONIAL" Pontoise (Paris) 3-6 p. m., 6:15-9 p. m., 10 p. m.-12 midnight, Daily		9750 kc. WOF -C- 30.77 meters LAWRENCEVILLE, N. J.		8928 kc. TGX -C- 33.50 meters GUATEMALA CITY, C. A.		6976 kc. EAR110 -B- 43 meters MADRID, SPAIN Tues., Sat., 5:30 p. m.	
11680 kc. KIO -C- 25.68 meters KAHUHU, HAWAII		9675 kc. ★TI4NRH -B- 31 meters HEREDIA, COSTA RICA, 10-11 p. m. Sundays at 6 p. m. also		8920 kc. GCX -X- 33.63 meters RUGBY, ENGLAND		6905 kc. GDS -C- 43.45 meters RUGBY, ENGLAND	
11340 kc. DAN -C- 26.44 meters NORDEICH, GERMANY		9640 kc. HSP2 -B- 31.10 meters BROADCASTING SERVICE Post and Telegraph Department Bangkok, Siam		8760 kc. GCQ -C- 34.25 meters RUGBY, ENGLAND		6860 kc. KEL -C- 43.70 meters BOLINAS, CALIF. Transpacific Radiophone	
11181 kc. ★CT3AQ -B- 26.83 meters FUNCHAL, MADEIRA Tues., Thurs., 5:00-6:30 p. m. Sunday, 10:30 a. m.-12 noon		9710 kc. GCA -C- 30.89 meters RUGBY, ENGLAND		8680 kc. GBC -C- 34.56 meters RUGBY, ENGLAND		6840 kc. CFA -C- 43.80 meters DRUMMONDVILLE, CANADA	
10770 kc. GBP -C- 27.85 meters RUGBY, ENGLAND		9600 kc. ★CT1AA -B- 31.25 meters LISBON, PORTUGAL Tues. and Friday, 4:30-6:00 p. m.		8650 kc. XPERMNTAL -X- 34.68 meters General Experimental Channel (U. S. A.)		6795 kc. GDB -C- 44.15 meters RUGBY, ENGLAND	
10675 WNB -C- 28.1 meters LAWRENCEVILLE, N. J.		9600 kc. ★XETE -B- 31.25 meters MEXICO CITY, MEX. 2:30-5:30 p. m., 6:30 p. m.- 12 midnight		8560 kc. WOO -C- 35.05 meters OCEAN GATE, N. J.		6753 kc. WOA -C- 44.40 meters LAWRENCEVILLE, N. J.	
		9595 kc. ★HBL -B- 31.27 meters LEAGUE OF NATIONS Geneva, Switzerland Saturdays, 5:30-6:15 p. m.				6660 kc. F8KR -B- 45 meters CONSTANTINE, ALGERIA	
						6610 kc. REN -B- 45.38 meters MOSCOW, U. S. S. R.	
						6425 kc. XPERMNTAL -X- 46.70 meters General Experimental Channel (U. S. A.)	

Station	Dial	Station	Dial	Station	Dial	Station	Dial
6425 kc. ★W3XL -X- 46.70 meters NATIONAL BROADCASTING CO. Bound Brook, N. J. Irregularly		6120 kc. ★W2XE -B- 49.02 meters ATLANTIC BROADCASTING CORP. Relays WABC Wayne, N. J., 6:00-11:00 p. m.	55	6060 kc. ★W3XAU -B- 49.50 meters BYBERRY, PA. Relays WCAU, Philadelphia		5714 kc. HCK -B- 52.5 meters QUITO, ECUADOR, S. A.	
6425 kc. VE9BY -B- 46.7 meters LONDON, ONTARIO, CANADA		6110 kc. VE9CG -B- 49.10 meters CALGARY, ALTA., CANADA		6050 kc. ★GSA -B- 49.58 meters BRITISH BROAD. CORP. Davenport, England British Empire programs Daily, 11 a. m.-1 p. m.; 4-5:45 p. m.; 6-8 p. m.		5690 kc. FIQA -B- 52.65 meters ADMINISTRATION DES P. T. T. Tananarive, Madagascar Tues., Wed., Thurs., Fri., 9:30-11:30 a. m. Sat. and Sun, 1-3 p. m.	
6382 kc. HC1DR -B- 47.00 meters QUITO, ECUADOR 8-10 p. m.		6110 kc. VUC -B- 49.1 meters CALCUTTA, INDIA 9:30 a. m.-12 noon, except Fri. and Sat.		6040 kc. W1XAL -B- 49.67 meters BOSTON, MASS.		5170 kc. PMY -C- 58.00 meters BANDOENG, JAVA	
6335 kc. VE9AP -B- 47.35 meters DRUMMONDVILLE, CANADA		6100 kc. ★W3XAL -B- 49.15 meters NATIONAL BROADCASTING CO. Bound Brook, N. J. Relays WJZ Saturday, 5 p. m.-1 a. m., and at other times.		6030 kc. VE9CA -B- 49.75 meters CALGARY, ALTA., CANADA		5145 kc. OK1MPT -X- 58.31 meters PRAGUE, CZECHOSLOVAKIA	
6272 kc. HI1A -B- 47.8 meters SANTIAGO DE LOS CABALLEROS, Dominican Republic Irregularly, 12:10-1:10 p. m., 7:40-8:40 p. m.		6100 kc. ★W9XF -B- 49.18 meters DOWNERS GROVE, ILL. Relays WENR, Chicago		6023 kc. XEW -C- 49.8 meters MEXICO CITY, MEXICO		4975 kc. GBC -C- 60.30 meters RUGBY, ENGLAND	
6270 kc. HJ3ABF -B- 47.81 meters BOGOTA, COLOMBIA 7-11 p. m.		6095 kc. ★VE9GW -B- 49.22 meters BOWMANVILLE, ONTARIO, CANADA Mon.-Thurs., 3 p. m.-midnight; Fri., Sat., 8 a. m.-midnight; Sun., 12 noon-9 p. m.		6020 kc. ★DJC -B- 49.83 meters ZEESEN, GERMANY 2:30-9:15 p. m.		4798 kc. XPERMNTAL -X- 62.53 meters General experimental channel (U. S. A.)	
6243 kc. HKD -B- 48.05 meters BARRANQUILLA, COLOMBIA		6090 kc. VE9BJ -B- 49.26 meters SAINT JOHN, N. B., CAN. Around 7 or 8 p. m.		6005 kc. ★VE9DR -B- 49.96 meters CANADIAN MARCONI CO. Drummondville, Quebec Daily 8 a. m.-12 midnight Sun, 12 noon-11 p. m.		4795 kc. VE9BY -X- 62.56 meters LONDON, ONTARIO, CANADA	
6167 kc. XIF -X- 48.65 meters MEXICO CITY, MEXICO		6085 kc. CP5 -B- 49.3 meters LAPAZ, BOLIVIA 6-6:30 p. m., 9-10:30 p. m.		6000 kc. EAJ25 -B- 50 meters BARCELONA RADIO CLUB, BARCELONA, SPAIN 3-4 p. m., Saturday		4752 kc. WOO -C- 63.1 meters OCEAN GATE, N. J.	
6150 kc. YV3BC -B- 48.78 meters CARACAS, VENEZUELA Daily 10:30 a. m.-1:30 p. m.; 4:30-9:30 p. m.; Sun. 8:30 a. m.-noon, 3-6, 7:30-9:30 p. m.		6080 kc. ★W9XAA -B- 49.31 meters CHICAGO FEDERATION OF LABOR Chicago, Ill. Relays WCFL		6000 kc. ★RW59 -B- 50 meters MOSCOW, U. S. S. R. 3-6 p. m., daily		4752 kc. WOY -C- 63.1 meters LAWRENCEVILLE, N. J.	
6147 kc. VE9CL -B- 48.8 meters WINNIPEG, CANADA		6075 kc. OXY -B- 49.4 meters SKAMLEBOAER, DENMARK Irregular, 1-6 p. m.		5970 kc. ★HVJ -B- 50.26 meters VATICAN CITY (ROME) 2-2:15 p. m., daily. Sun., 5-5:30 a. m.		4700 kc. W1XAB -X- 63.79 meters PORTLAND, ME.	
6140 kc. ★W8XK -B- 48.86 meters WESTINGHOUSE ELECTRIC & MFG. CO. Saxonburg, Pa. Relays KDKA programs, 4:30 p. m.-midnight		6072 kc. UOR2 -X- 49.41 meters VIENNA, AUSTRIA Tues. and Thurs., 8:30 a. m.-4 p. m.		5900 kc. HJ4ABE -B- 50.80 meters MEDELLIN, COLOMBIA Mon., 7-11 p. m.; Tues., Thurs., Sat., 6:15-8:00 p. m.; Wed. and Fri., 7:30-10:30 p. m.		4273 kc. ★RW15 -B- 70.20 meters FAR EAST RADIO STATION Khabarovsk, Siberia, U. S. S. R. Daily, 3-9 a. m.	
6125 kc. VE9HX -B- 48.98 meters HALIFAX, NOVA SCOTIA Daily 9:30 a. m.-noon, and 5-11 p. m., Friday also 1-2 p. m.		6069 kc. VE9CS -B- 49.43 meters VANCOUVER, B. C., CANADA Fri., 12:30-1:45 a. m.; Sun., 12 noon-12 midnight		5857 kc. XDA -C- 51.22 meters MEXICO CITY, MEXICO		4272 kc. WOO -C- 70.22 meters OCEAN GATE, N. J.	
6122 kc. ZTJ -B- 49 meters JOHANNESBURG, SOUTH AFRICA 11:45 p. m.-12:30 a. m., ex. Sat.; 4-7 a. m., 9 a. m.-3:30 p. m., ex. Sun; 9 a. m.-4:45 p. m., Sat. only; 8-10:30 a. m., 12:30-3 p. m., Sun.		6060 kc. ★W8XAL -B- 49.50 meters CROSLY RADIO CORP. Cincinnati, O. Relays WLW		5835 kc. HJ1ABB -B- 51.40 meters BARRANQUILLA, COLOMBIA Daily, 8-10 p. m.; Thurs., 8-10:30 p. m.		4272 kc. WOY -C- 70.22 meters LAWRENCEVILLE, N. J.	
		6060 kc. VQ7LO -B- 49.50 meters NAIROBI, Kenya, Africa Sun.-Fri., 11 a. m.-2 p. m., Sat. 11 a. m.-3 p. m., also M. W. F., 5:45-6:15 a. m., Tues. 3-4 a. m., Thurs., 8-9 a. m.		5710 kc. VE9CL -B- 52.50 meters WINNIPEG, CANADA		3560 kc. OZ7RL -C- 84.24 meters COPENHAGEN, DENMARK	

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AIRPORT RADIO STATIONS

The airport stations do not follow any fixed schedules, and are likely to be heard any time of the day or night. The airplane transmitters are usually heard on the same wavelengths. The little "boxes" are for your dial settings.

<p>Group One </p> <p>94.86 m.-3160 kc. 53.83 m.-5570 kc. 94.56 m.-3170 kc. 53.74 m.-5580 kc. 93.29 m.-3215 kc. 53.64 m.-5590 kc. 52.98 m.-5660 kc.</p> <p>Bakersfield, Calif. KQK Bellefonte, Pa. WNAM Boise, Idaho KRA Brooksville, Pa. WNAL Burbank, Calif. KEU Cheyenne, Wyo. KOE Chicago, Ill. WUCG Cleveland, Ohio WNAK Dallas, Tex. KNAT Des Moines, Iowa KQM Elko, Nevada KKO Fort Worth, Tex. KGUC Fresno, Calif. KGT Iowa City, Iowa KQQ Kansas City, Mo. KNAS Lincoln, Neb. KRF Medford, Ore. KGE Moline, Ill. WNAU Newark, N. J. WNAO North Platte, Nebr. KMR Oakland, Calif. KFO Okla. City, Okla. KNAV Omaha, Nebr. KMP Orlando Twsp., Ill. WNAT Pasco, Wash. KRD Ponca City, Okla. KGUZ Portland, Ore. KVO Redding, Calif. KUT Rock Springs, Wyo. KQC Sacramento, Calif. KFM Salt Lake City, Utah KQD San Diego, Calif. KGQZ Seattle, Wash. KZJ Spokane, Wash. KGTZ Tulsa, Okla. KNAU Wichita, Kans. KGTE</p>	<p>60.39 m.-4970 kc. 52.7 m.-5690 kc. 52.45 m.-5720 kc.</p> <p>Alameda, Calif. KGSB Albuquerque, N. M. KSX Burbank, Calif. KSI Butte, Mont. KGTY Camden, N. J. WAEW Columbus, Ohio WHG Cresson, Pa. WAEW Harrisburg, Pa. WAED Indianapolis, Ind. WHM Kansas City, Mo. KST Kingman, Ariz. KGTL Las Vegas, Nev. KGTN Newark, N. J. WAEF Pittsburgh, Pa. WAEC Pocatello, Idaho KGTX Robertson, Mo. KGTR Springfield, Mo. KGTQ Tulsa, Okla. KSY Wichita, Kans. KGTD Winslow, Ariz. KGTA</p> <p>Group Three </p> <p>103.23 m.-2905 kc. 60.15 m.-4990 kc. 97.63 m.-3075 kc. 54.45 m.-5510 kc. 97.15 m.-3090 kc. 53.83 m.-5570 kc. 94.86 m.-3160 kc. 53.74 m.-5580 kc. 94.56 m.-3170 kc. 53.64 m.-5590 kc. 94.26 m.-3180 kc. 52.98 m.-5660 kc. 93.29 m.-3215 kc. 52.88 m.-5670 kc. 60.39 m.-4970 kc. 52.7 m.-5690 kc.</p> <p>Denver, Colo. KGSP Las Vegas, Nev. KGTJ Pueblo, Colo. KGSR Salt Lake City, Utah KGTH</p>	<p>Birmingham, Ala. WSDE Boston, Mass. WSDD Mobile, Ala. WAEK Newark, N. J. WSDC Tucson, Ariz. KGUO</p> <p>Group Five </p> <p>129.63 m.-2315 kc. 86.08 m.-3490 kc. 127.33 m.-2355 kc. 63.29 m.-4740 kc. 93.09 m.-3220 kc. 61.00 m.-4920 kc. 92.8 m.-3230 kc. 53.55 m.-5600 kc. 92.52 m.-3240 kc. 53.45 m.-5610 kc. 92.09 m.-3260 kc. 53.26 m.-5630 kc. 87.02 m.-3450 kc. 45.87 m.-6540 kc. 86.77 m.-3460 kc. 45.8 m.-6550 kc. 86.52 m.-3470 kc. 37.43 m.-8015 kc.</p> <p>Atlanta, Ga. WQPD Big Spring, Tex. KGUG Brownsville, Tex. KGUE Burbank, Calif. KGUR Cincinnati, Ohio WSID Dallas, Tex. KGUF Douglas, Ariz. KGUN El Paso, Tex. KGUA Frijole, Tex. KGUM Indio, Calif. KGUQ Jackson, Miss. KSDB Little Rock, Ark. KQUU Memphis, Tenn. WSDK Nashville, Tenn. WSDT New Orleans, La. WQDQ Omaha, Nebr. KGTS Phoenix, Ariz. KGUP Robertson, Mo. KGUT San Antonio, Tex. KGUD Shreveport, La. KGUK Springfield, Ill. WAEJ Waco, Tex. KGUH</p>	<p>Duluth, Minn. WSDL Fargo, N. D. KNWB Madison, Wis. WSDR Milwaukee, Wis. WAEH Pembina, N. D. KNWC St. Paul, Minn. KNWA</p> <p>Group Seven </p> <p>111.19 m.-2680 kc. 51.5 m.-5820 kc. 127.33 m.-2355 kc. 45.8 m.-6550 kc. 102.1 m.-2935 kc.</p> <p>Detroit, Mich. WAEI</p> <p>Group Eight </p> <p>129.63 m.-2310 kc. 45.87 m.-6540 kc. 127.33 m.-2355 kc. 45.8 m.-6550 kc. 86.52 m.-3470 kc. 45.73 m.-6560 kc. 63.29 m.-4740 kc. 37.45 m.-8010 kc.</p> <p>Blythe, Calif. KGUS Houston, Tex. KGUB</p> <p>Group Nine </p> <p>126.1 m.-2380 kc. 63.22 m.-4740 kc. 101.83 m.-2950 kc. 53.07 m.-5650 kc. 100.46 m.-2990 kc. 45.52 m.-6590 kc. 72.11 m.-4160 kc. 45.45 m.-6600 kc.</p> <p>Baltimore, Md. WEEB Charleston, S. Car. WEEC Greensboro, N. Car. WEEG Jacksonville, Fla. WEEJ Linden, N. J. WEEN McRae, Ga. WEEH Miami, Fla. WEEM Orlando, Fla. WEEO Richmond, Va. WEER Spartanburg, S. Car. WEEF</p> <p>Group Ten </p> <p>113.29 m.-2650 kc. 45.59 m.-6580 kc. 104.53 m.-2870 kc. 37.43 m.-8010 kc. 97.32 m.-3080 kc. 36.5 m.-8220 kc. 55.5 m.-5400 kc. 24.33 m.-12,330 kc. 53.64 m.-5700 kc. 18.47 m.-16,240 kc. 45.66 m.-6570 kc. 18.24 m.-16,450 kc.</p> <p>Brownsville, Tex. KGJW Miami, Fla. WKDL San Juan, P. R. WMDV</p>
<p>Group Two </p> <p>103.23 m.-2905 kc. 60.15 m.-4990 kc. 97.63 m.-3070 kc. 54.45 m.-5510 kc. 97.15 m.-3090 kc. 52.88 m.-5680 kc.</p> <p>Abilene, Tex. KGUL Beaumont, Tex. KGTV</p>	<p>Group Four </p> <p>93.09 m.-3220 kc. 86.52 m.-3470 kc. 92.8 m.-3230 kc. 86.08 m.-3490 kc. 92.52 m.-3240 kc. 61.00 m.-4920 kc. 92.09 m.-3250 kc. 53.55 m.-5600 kc. 87.02 m.-3450 kc. 53.45 m.-5610 kc. 86.77 m.-3460 kc. 53.26 m.-5630 kc.</p>	<p>Group Six </p> <p>112.44 m.-2670 kc. 98.83 m.-3040 kc. 112.27 m.-2675 kc. 55.79 m.-5380 kc. 105.11 m.-2850 kc.</p> <p>Chicago, Ill. WSDS</p>	

AIRPORT RADIO STATIONS—Alphabetically by Call Letters

The number in parenthesis following the location indicates the frequency group in which the station operates.

<p>KGTY Butte, Mont. (2) KEU Burbank, Calif. (1) KFM Sacramento, Calif. (1) KFO Oakland, Calif. (1) KGE Medford, Ore. (1) KGUC Ft. Worth, Tex. (1) KGJW Brownsville, Tex. (10) KGQZ San Diego, Calif. KGSB Alameda, Calif. (2) KGSP Denver, Colo. (3) KGSR Pueblo, Colo. (3) KGT Fresno, Calif. (1) KGTA Winslow, Ariz. (2) KGTD Wichita, Kans. (2) KGTE Wichita, Kans. (1) KGTH Salt Lake City, U. (3) KGTJ Las Vegas, Nev. (3) KGTL Kingman, Ariz. (2) KGTN Las Vegas, Nev. (2) KGTQ Springfield, Mo. (2) KGTR Robertson, Mo. (2) KGTS Omaha, Neb. (5) KGTV Beaumont, Tex. (4) KGTX Pocatello, Idaho (2)</p>	<p>KGTZ Spokane, Wash. (1) KGUA El Paso, Tex. (5) KGUB Houston, Tex. (8) KGUD San Antonio, Tex. (5) KGUE Brownsville, Tex. (5) KGUF Dallas, Tex. (5) KGUG Big Spring, Tex. (5) KGUH Waco, Tex. (5) KGUK Shreveport, La. (5) KGUL Abilene, Tex. (4) KGUM Frijole, Tex. (5) KGUN Douglas, Ariz. (5) KGUO Tucson, Ariz. (4) KGUP Phoenix, Ariz. (5) KGUQ Indio, Calif. (5) KGUR Burbank, Calif. (5) KGUS Blythe, Calif. (8) KGUT Robertson, Mo. (5) KGUZ Ponca City, Okla. (1) KKO Elko, Neva. (1) KMP Omaha, Neb. (1) KMR No. Platte, Nebr. (1) KNAS Kansas City, Mo. (1) KNAT Dallas, Tex. (1)</p>	<p>KNAU Tulsa, Okla. (1) KNAV Okla. City, Okla. (1) KNWA St. Paul, Minn. (6) KNWB Fargo, N. D. (6) KNWC Pembina, N. D. (6) KOE Cheyenne, Wyo. (1) WAEC Pittsburgh, Pa. (2) WAED Harrisburg, Pa. (2) WAEW Camden, N. J. (2) WAEF Newark, N. J. (2) WAEW Cresson, Pa. (2) WAEH Milwaukee, Wis. (6) WAEI Detroit, Mich. (7) WAEJ Springfield, Ill. (5) WAEK Mobile, Ala. (4) WEEB Baltimore, Md. (9) WEEC Charleston, S. C. (9) WEEF Spartanburg, S.C. (9) WEEG Greensboro, N.C. (9) WEEH McRae, Ga. (9) WEEJ Jacksonville, Fla. (9) WEEM Miami, Fla. (9) WEEN Linden, N. J. (9) WEEO Orlando, Fla. (9)</p>	<p>WEER Richmond, Va. (9) WHG Columbus, Ohio (2) WHM Indianapolis, Ind. (2) WKDL Miami, Fla. (10) WMDV San Juan, P. R. (10) WNAO Newark, N. J. (1) WNAK Cleveland, Ohio (1) WNAL Brookville, Pa. (1) WNAM Bellefont, Pa. (1) WNAT Orlando Twshp., Ill. (1) WNAU Moline, Ill. (1) WQDQ New Orleans, La. (5) WQPD Atlanta, Ga. (5) WSDC Newark, N. J. (4) WSDD Boston, Mass. (4) WSDE Birmingham, Ala. (4) WSDK Memphis, Tenn. (5) WSDL Duluth, Minn. (6) WSDS Chicago, Ill. (6) WSDT Nashville, Tenn. (5) WSID Cincinnati, Ohio (5) WUCG Chicago, Ill. (1)</p>
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POLICE RADIO ALARM STATIONS

By Frequency and Wavelength

2506 kc.-120 m.
Dial:
KGZE San Antonio, Tex.

2470 kc.-121.5 m.
Dial:
KGOZ Cedar Rapids, Ia.
KGPV Davenport, Ia.
KGZG Des Moines, Ia.
WPDZ Fort Wayne, Ind.
WPDY Kokomo, Ind.
WPEC Memphis, Tenn.
KGPI Omaha, Neb.
WPDY Philadelphia, Pa.
KGPV San Jose, Cal.
KGPW Salt Lake City, U.
KGPV Sioux City, Ia.
WRDQ Toledo, Ohio
WPFV Gary, Ind.
WPFQ Swarthmore, Pa.
WPFV Knoxville, Tenn.
WPFV Johnson City, Tenn.
WPEM Woonsocket, R. I.
WPFV Pawtucket, R. I.

2458 kc.-122.0 m.
Dial:
WPDV Akron, Ohio
WPDN Auburn, N. Y.
WPDV Charlotte, N. C.
WRDH Cleveland, Ohio
WPDV Rochester, N. Y.
WPEA Syracuse, N. Y.
KGZS McAlester, Okla.
WPDG Youngstown, O.

2450 kc.-122.4 m.
Dial:
WPDK Milwaukee, Wis.

WPEE New York, N. Y.
WPEF New York, N. Y.
WPEG New York, N. Y.
KGPV Okla. City, Okla.
KGPV Tulsa, Okla.
KGPV Wichita, Kans.
KGPV Chanute, Kans.
KGPV Coffeyville, Kans.
KGPV Honolulu, T. H.

2442 kc.-122.8 m.
Dial:
KGPV Denver, Col.
WPDF Flint, Mich.
WPEB Grd. Rapids, Mich.
WMDZ Indianapolis, Ind.
WPDV Lansing, Mich.
WPEE Louisville, Ky.
KGPV Portland, Ore.
WPDH Richmond, Ind.
KGPV Klamath Falls, Ore.
WPDF Muskegon, Mich.
WPEE Reading, Pa.
KGPV Salem, Ore.
WPEE Saginaw, Mich.

2430 kc.-123.4 m.
Dial:
WPEK New Orleans, La.
KGPV Minneapolis, Minn.
WPDV Columbus, Ohio
KGPV Portland, Ore.
WPDV Dayton, Ohio
KGPV San Diego, Cal.
WPDF Highland Park, Ill.
WPDF Toms River, N. J.
WPDF Hackensack, N. J.
KGPV Phoenix, Ariz.

2422 kc.-123.8 m.
Dial:

WML Buffalo, N. Y.
KGPV Kansas City, Mo.
KGPV Topeka, Kan.
KGPV Vallejo, Cal.
WPDW Washington, D. C.
WPFV Jacksonville, Fla.
WPFV Portland, Me.

2414 kc.-124.2 m.
Dial:
KSW Berkeley, Cal.
WPDY Atlanta, Ga.
KGPV Bakersfield, Cal.
WCK Belle Island, Mich.
WPDV Detroit, Mich.
KGPV Fresno, Cal.
WRDR Grosse Pt. Vil. Mich.
WMO Highland Pk., Mich.
KGPV Seattle, Wash.
WPDV Tulare, Cal.
KGPV El Paso, Tex.
WPFH Baltimore, Md.
KGPV Tacoma, Wash.
WPFV Columbus, Ga.
WPFM Birmingham, Ala.
WPFV Clarksburg, W. Va.
KGPV Santa Barbara, Cal.
KGPV San Francisco, Cal.
WPFV Yonkers, N. Y.
WPGV Port Huron, Mich.

1712 kc.-175.15 m.
Dial:
WPEE Arlington, Mass.
KGPV Beaumont, Tex.
WPDV Chicago, Ill.
WPDV Chicago, Ill.
WPDV Chicago, Ill.
WKDU Cincinnati, Ohio
KVP Dallas, Tex.
KGPL Los Angeles, Cal.

KGPV Pasadena, Cal.
WPDV Pittsburgh, Pa.
KGPV St. Louis, Mo.
KGPV Wichita Falls, Tex.
WPFV Newton, Mass.
KGPV Shreveport, La.
WPEH Somerville, Mass.
WPEE Arlington, Mass.
KGPV Houston, Tex.
WPFV Hammond, Ind.
WPFV Fairhaven, Mass.
KGPV Waco, Tex.
WPEE Lexington, Mass.
WPEI E. Providence, R. I.
UYR Montreal, Can.

1574 kc.-189.5 m.
Dial:
WRDS E. Lansing, Mich.
WMP Fram'gham, Mass.
WPEW North'pton, Mass.
KGPV Shreveport, La.
WPEL Middleboro, Mass.
WPEV Portable, Mass.

1558 kc.-192.5 m.
Dial:
WEY Boston, Mass.
WKDT Detroit, Mich.

1534 kc.-196.1 m.
Dial:
KGHO Des Moines, Ia.

190 kc.-1570 m.
Dial:
WBR Butler, Pa.
WJL Greensburg, Pa.
WBA Harrisburg, Pa.
WMB W. Reading, Pa.
WDX Wyoming, Pa.

Alphabetically By Call Letters

KGHO	Des Moines, Iowa	1534 kc.	KGZS	McAlester, Okla.	2458 kc.	WPEA	Syracuse, N. Y.	2458 kc.
KGJX	Pasadena, Cal.	1712 kc.	KSW	Berkeley, Cal.	2414 kc.	WPEB	Grand Rapids, Mich.	2442 kc.
KGOZ	Cedar Rapids, Iowa	2470 kc.	KVP	Dallas, Tex.	1712 kc.	WPEC	Memphis, Tenn.	2470 kc.
KGPA	Seattle, Wash.	2414 kc.	UYR	Montreal, Can.	1712 kc.	WPED	Arlington, Mass.	1712 kc.
KGPB	Minneapolis, Minn.	2430 kc.	WBA	Harrisburg, Pa.	190 kc.	WPEE	New York, N. Y.	2450 kc.
KGPC	St. Louis, Mo.	1712 kc.	WBR	Butler, Pa.	190 kc.	WPEF	New York, N. Y.	2450 kc.
KGPD	San Francisco, Cal.	2414 kc.	WCK	Belle Island, Mich.	2414 kc.	WPEG	New York, N. Y.	2450 kc.
KGPE	Kansas City, Mo.	2422 kc.	WDX	Wyoming, Pa.	190 kc.	WPEH	Somerville, Mass.	1712 kc.
KGPG	Vallejo, Cal.	2422 kc.	WEY	Boston, Mass.	1558 kc.	WPEI	E. Providence, R. I.	1712 kc.
KGPV	Oklahoma City, Okla.	2450 kc.	WJL	Greensburg, Pa.	190 kc.	WPEK	New Orleans, La.	2430 kc.
KGPI	Omaha, Neb.	2470 kc.	WKDT	Detroit, Mich.	1558 kc.	WPEL	Middleboro, Mass.	1574 kc.
KGPJ	Beaumont, Tex.	1712 kc.	WKDU	Cincinnati, Ohio	1712 kc.	WPEM	Woonsocket, R. I.	2470 kc.
KGPV	Sioux City, Iowa	2470 kc.	WMB	W. Reading, Pa.	190 kc.	WPEP	Arlington, Mass.	1712 kc.
KGPL	Los Angeles, Cal.	1712 kc.	WMDZ	Indianapolis, Ind.	2442 kc.	WPES	Saginaw, Mich.	2442 kc.
KGPM	San Jose, Cal.	2470 kc.	WMJ	Buffalo, N. Y.	2422 kc.	WPET	Lexington, Mass.	1712 kc.
KGPN	Davenport, Iowa	2470 kc.	WMO	Highland Park, Mich.	2414 kc.	WPEV	Portable, Mass.	1574 kc.
KGPO	Tulsa, Okla.	2450 kc.	WMP	Framingham, Mass.	1574 kc.	WPFV	Newton, Mass.	1712 kc.
KGPP	Portland, Ore.	2442 kc.	WPDV	Tulare, Cal.	2414 kc.	WPFH	Muskegon, Mich.	2442 kc.
KGPQ	Honolulu, T. H.	2450 kc.	WPDF	Chicago, Ill.	1712 kc.	WPDF	Highland Park, Ill.	2430 kc.
KGPR	Ft. Worth, Tex.	2414 kc.	WPDF	Chicago, Ill.	1712 kc.	WPFV	Reading, Pa.	2442 kc.
KGPS	Bakersfield, Cal.	2414 kc.	WPDH	Chicago, Ill.	1712 kc.	WPFV	Toms River, N. J.	2430 kc.
KGPW	Salt Lake City, Utah	2470 kc.	WPEE	Chicago, Ill.	1712 kc.	WPFV	Jacksonville, Fla.	2442 kc.
KGPX	Denver, Colo.	2442 kc.	WPEE	Louisville, Ky.	2442 kc.	WPFV	Baltimore, Md.	2414 kc.
KGPY	Baton Rouge, La.	1574 kc.	WPDF	Flint, Mich.	2442 kc.	WPFV	Columbus, Ga.	2414 kc.
KGPZ	Wichita, Kans.	2450 kc.	WPDG	Youngstown, Ohio	2458 kc.	WPFV	Hammond, Ind.	1712 kc.
KGZA	Fresno, Calif.	2414 kc.	WPDH	Richmond, Ind.	2442 kc.	WPFV	Hackensack, N. J.	2430 kc.
KGZB	Houston, Tex.	1712 kc.	WPDV	Columbus, Ohio	2430 kc.	WPFV	Gary, Ind.	2470 kc.
KGZC	Topeka, Kan.	2422 kc.	WPDK	Milwaukee, Wis.	2450 kc.	WPFV	Birmingham, Ala.	2414 kc.
KGZD	San Diego, Cal.	2430 kc.	WPDF	Lansing, Mich.	2442 kc.	WPFV	Fairhaven, Mass.	1712 kc.
KGZE	San Antonio, Tex.	2506 kc.	WPDV	Dayton, Ohio	2430 kc.	WPFV	Knoxville, Tenn.	2470 kc.
KGZF	Chanute, Kans.	2450 kc.	WPDN	Auburn, N. Y.	2458 kc.	WPFV	Clarksburg, W. Va.	2414 kc.
KGZG	Des Moines, Iowa	2470 kc.	WPDO	Akron, Ohio	2458 kc.	WPFV	Swarthmore, Pa.	2470 kc.
KGZH	Klamath Falls, Ore.	2442 kc.	WPDV	Philadelphia, Pa.	2470 kc.	WPFV	Johnson City, Tenn.	2470 kc.
KGZI	Wichita Falls, Tex.	1712 kc.	WPDW	Washington, D. C.	2422 kc.	WPFV	Portland, Me.	2422 kc.
KGZJ	Phoenix, Ariz.	2430 kc.	WPDF	Washington, D. C.	2422 kc.	WPFV	Pawtucket, R. I.	2470 kc.
KGZL	Shreveport, La.	1712 kc.	WPDF	Washington, D. C.	2422 kc.	WPFV	Yonkers, N. Y.	2422 kc.
KGZM	El Paso, Tex.	2414 kc.	WPDF	Washington, D. C.	2422 kc.	WPGV	Port Huron, Mich.	2414 kc.
KGZN	Tacoma, Wash.	2414 kc.	WPDF	Washington, D. C.	2422 kc.	WRDH	Cleveland, Ohio	2458 kc.
KGZO	Santa Barbara, Cal.	2414 kc.	WPDF	Washington, D. C.	2422 kc.	WRDR	Grosse Pt. Village, Mich.	2414 kc.
KGZP	Coffeyville, Kans.	2450 kc.	WPDF	Washington, D. C.	2422 kc.	WRDQ	Toledo, Ohio	2470 kc.
KGZQ	Waco, Tex.	1712 kc.	WPDF	Washington, D. C.	2422 kc.	WRDS	E. Lansing, Mich.	1574 kc.
KGZR	Salem, Ore.	2442 kc.	WPDF	Washington, D. C.	2422 kc.			

TELEVISION STATIONS

Television transmission at the present time is highly experimental in nature, and for this reason it is difficult to give operating hours, scanning speeds, lines per second, etc., with any degree of accuracy.

According to frequency and wavelength	
1600-1700 kc. 176.5-187.5 m.	2100-2200 kc. 136.4-142.9 m.
Dial:	Dial:
W2XR —Radio Pictures, Inc. Long Island City, N. Y. 1000 watts. 60 lines W8XAN — Sparks-Withington Co. Jackson, Mich. 100 watts	W3XAK —National Broadcasting Co. 5000 watts. Portable W2XBS —National Broadcasting Co. New York, N. Y. 5000 watts W6XS —Don Lee Broadcasting Corp. Los Angeles, Calif. 1000 watts W9XAP —National Broadcasting Co. Chicago, Ill. 2,500 watts W9XAK —Kansas State College, Manhattan, Kans. 125 watts
2000-2100 kc. 142.9-150 m.	2200-2300 kc. 130.4-136.4 m.
Dial:	Dial:
W9XAO —Western Television Corp. Chicago, Ill. 500 watts. 45 lines W6XAH —Pioneer Mercantile Co. Bakersfield, Cal. 1000 watts. 60 lines W9XK —Iowa State University Iowa City, Iowa 100 watts. 60 lines	W9XAL —First National Television Corp. Kansas City, Mo. 500 watts
2750-2850 kc. 105.3-109.1 m.	
Dial:	
	W9XG —Purdue University W. Lafayette, Ind. 1500 watts. 60 lines W2XAB —Atlantic Broadcasting Corp. New York, N. Y. 500 watts (not oper.) 43,000-46,000 kc. 6.52-6.98 m. 48,500-50,300 kc. 6.00-6.20 m. 60,000-80,000 kc. 3.75-5.00 m.
	Dial:
	W9XD —The Journal Co. Milwaukee, Wis. 500 watts W9XE —U. S. Radio & Tele. Corp. Marion, Ind. 1000 watts W8XF —WJR-Goodwill Station Pontiac, Mich. 200 watts W3XAD —RCA-Victor Co., Camden, N. J. 2000 watts W2XBT —National Broadcasting Co. Portable 750 watts W2XR —Radio Pictures, Inc. Long Island City, N. Y. 1000 watts
	W9XAT —Dr. Geo. W. Young Portable 500 watts W2XF —National Broadcasting Co. New York, N. Y. 5000 watts W6XAO —Don Lee Broadcasting System Los Angeles, Calif. 150 watts W3XE —Philadelphia Storage Battery Co. Philadelphia, Pa. 1500 watts W2XAK —Atlantic Broadcasting Corp., New York, N. Y. 50 watts W10XX —RCA-Victor Co., Portable and Mobile. 50 watts W8XAN —Sparks-Withington Co., Jackson, Mich. 100 watts W8XL —WGAR Broadcasting Co., Cuyahoga Hts., Ohio 200 watts

"R" Audibility System

Use the "Q, R, & T" systems together to give the clearest reports on signals. Thus: "Ur R7 but QSA3 & T2."

- R1—Faint signals; just readable.
- R2—Weak signals; barely readable.
- R3—Weak signals; but can be copied.
- R4—Fair signals; easily readable.
- R5—Moderately strong signals.
- R6—Good signals.
- R7—Good strong signals, that come thru QRM & QRN.
- R8—Very strong signals; heard several feet from the fones.
- R9—Extremely strong sigs.

Amateur Abbreviations

The following tables are in constant use by the transmitting amateurs. The "Q" table is strictly a readability system and should not be used to indicate signal strength. The "R" system is for this purpose and should not be governed by the readability of a signal. In other words a signal could be QSA5—very good signals; perfectly readable, but still weak. This would be a QSA5 R3 signal.

The "T" system is used mostly in foreign countries but is a very accurate method of reporting tone quality and should be used more extensively. The other abbreviations are used during direct conversation and it will be noticed that with a few exceptions most of the vowels are eliminated from the words.

"Q" Readability System

- QSA1—Hardly perceptible; unreadable.
- QSA2—Weak; readable only now and then.
- QSA3—Fairly good; readable with difficulty.
- QSA4—Good readable signals.
- QSA5—Very good signals; perfectly readable.

"T" Tone System

- T1—"Ur tone 1, R6") Poor 25 or 60 cycle AC tone.
- T2—Rough 60 cycles AC tone.
- T3—Poor RAC tone. Sounds like no filter.
- T4—Fair RAC, small filter.
- T5—Nearly DG tone, good filter, but has key thumps, or back wave, etc.
- T6—Nearly DC tone. Very good filter; keying OK.
- T7—Pure DC tone, but has key thumps, back wave, etc.
- T8—Pure DC, not equal to T9.
- T9—Best steady, pure, crystal controlled DC tone.

OTHER ABBREVIATIONS

- | | | | | |
|--|---|--------------------|----------------------|----------------------------|
| MK?—Are you ready to receive messages? | QSL—Please acknowledge our QSO by card. I will do same. | FB—fine business | OM—old man | SKED—schedule |
| MK—I am ready. Go ahead with messages. | QST—General call to all A. R. R. L. stations. | HI—indicates laugh | OP—operator | SUM—some |
| QLF—Sa, OM, send with your LEFT foot now! | QWX?—How is the weather there? | HR—here, hear | OW—old woman | TT—that |
| QLZ—Nothing doing. Operator is too lazy! | C—see | HRD—heard | PDC—pure DC tone | U—you |
| QRR—General call for all emergency railroad traffic, in U. S. A. only, during storms, floods, etc. | CUL—see you later | HV—have | PSE—please | UR—your |
| | DX—distance | HVY—heavy | PWR—power | URS—yours |
| | ES—and | MI—my | R—OK, yes, all right | WX—weather |
| | | ND—nothing doing | RITE—right | XYL—wife |
| | | NG—no good | SA—say | YL—young lady, girl friend |
| | | NIL—nothing | SED—said | 73—regards |
| | | OB—old boy | SIG—signal | 88—love and kisses |

Local Time Throughout the World

The table below may be used to determine the time, at any other place in the world, corresponding to your own time, provided you know its location.

Pick out your own time zone; it is a good idea to rule a red line on each side of it, across the page, for convenience in consulting it. Take the hour at your own locality, and run your finger directly up or down till you find the

zone in which the station you are looking up is located. If necessary, consult the map. Read the hour, above or below your own, and add the minutes. If, in going up or down, you cross the (MN) (midnight) line, then change the date accordingly—to the day before, if you are going down, or the day after, if you are going up. The hours given as G. M. T., or G. C. T., should be read from the central line, between black cross rules.

App. Longitudes of Zone

M IS NOON; LIGHT FACE FIGURES, A. M.; BLACK FACE FIGURES P. M.

130° -172½° E. Date Line—Fiji Islands	MN	1	2	3	4	5	6	7	8	9	10	11	MN																							
172½° -157½° E. New Zealand	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN																						
157½° -142½° E. Eastern Australia	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN																					
142½° -127½° E. Japan—W. Australia	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN																				
127½° -112½° E. Philippines—China	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN																			
112½° - 97½° E. Siam—Annam	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN																		
97½° - 82½° E. India—East	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN																	
82½° - 67½° E. India—West	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN																
67½° - 52½° E. Persia	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN															
52½° - 37½° E. Arabia	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN														
37½° - 22½° E. Russia—Egypt	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN													
22½° - 7½° E. Germany—Italy	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN												
7½° E. - 7½° W. England, France - Greenwich	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN											
7½° - 22½° W. W. Africa—Iceland	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN										
22½° - 37½° W. Atlantic Ocean	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN									
37½° - 52½° W. Greenland—Brazil	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN								
52½° - 67½° W. E. Can.—Argentine	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN							
67½° - 82½° W. U.S. Eastern—Peru.	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN						
82½° - 97½° W. U.S. Central—Mex.	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN					
97½° -112½° W. U.S. Mountain	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN				
112½° -127½° W. U.S. Pacific	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN			
127½° -142½° W. Eastern Alaska	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN		
142½° -157½° W. Central Alaska*	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN	
157½° -172½° W. Western Alaska	1	2	3	4	5	6	7	8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN
172½° -180° W. Date Line—Samoa	MN	1	2	3	4	5	6	7	8	9	10	11	MN	1	2	3	4	5	6	7	8	9	10	11	MN											

READING UP—TIME LATER

READING DOWN TIME EARLIER

*Hawaii is in a special time zone; so are Holland, Java, and other countries; consult Time Zone Map.

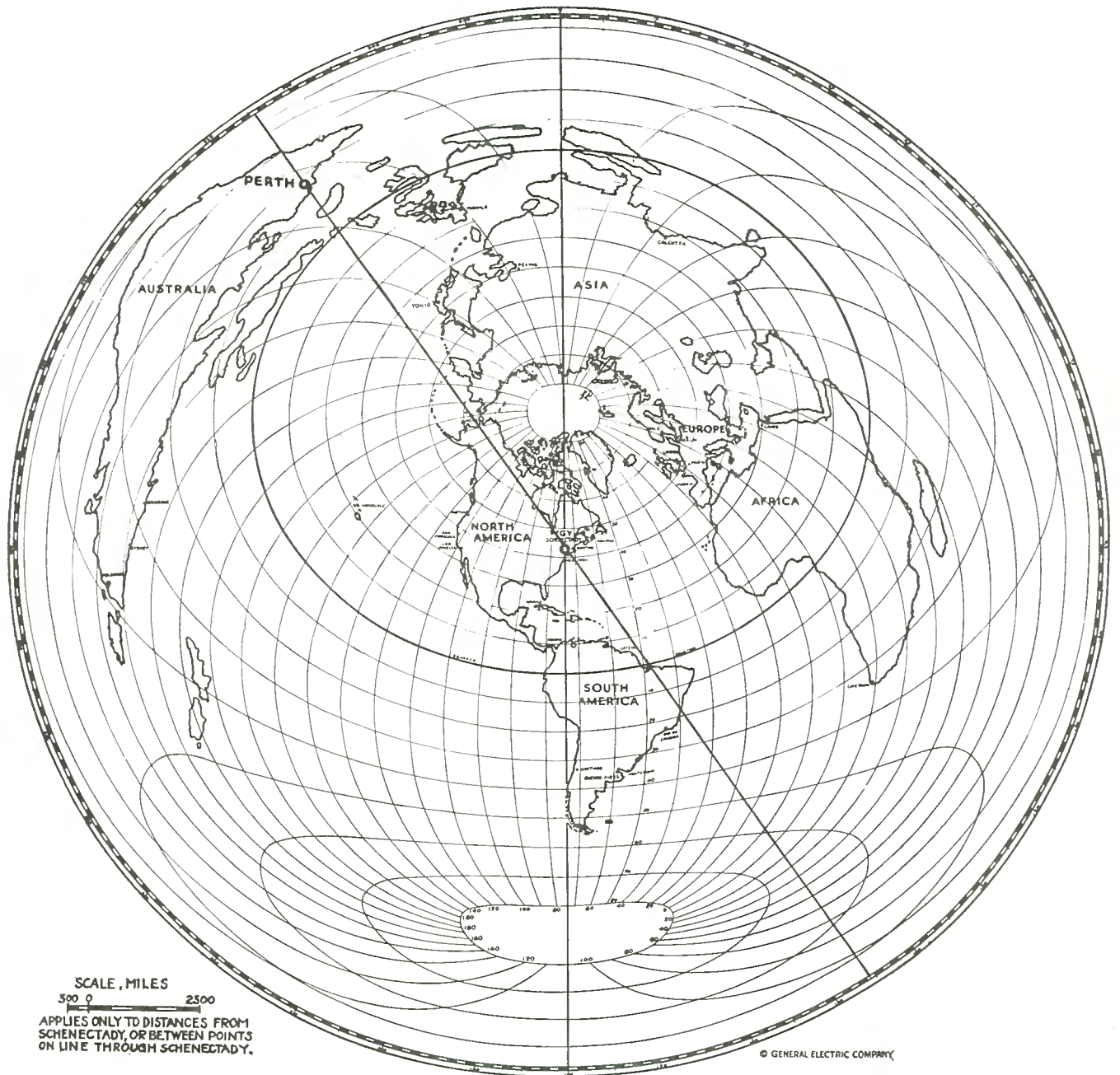
EXAMPLE: What time is it in Sydney, Australia, if it is 8:30 p. m. Monday in San Francisco? Put a finger on the blackface 8, opposite "U. S. Pacific" and run straight up the column till opposite "Eastern Australia." You cross an "MN", going up; so the time in Australia is Tomorrow; the 2 is blackface, so the hour is afternoon. Allowing for the extra minutes, it is 2:30 p. m. Tuesday in Sydney.

The hour is the same, in each of the Date Line Half Zones, but the date is a day later, on the west side of the line. The boundaries of time zones are only approximately north and south, as they follow political divisions.

Air-Line Distance and Direction Map

Measurements on this map to various parts of the world are correct from Schenectady, N. Y.; and approximately so from other towns in the United States, over long distances. The general direction of the straight line from Schenectady to any other point on the globe is that from which a short-wave signal is usually received; and the nature of the intervening land and water areas between transmitter and receiver may be seen.

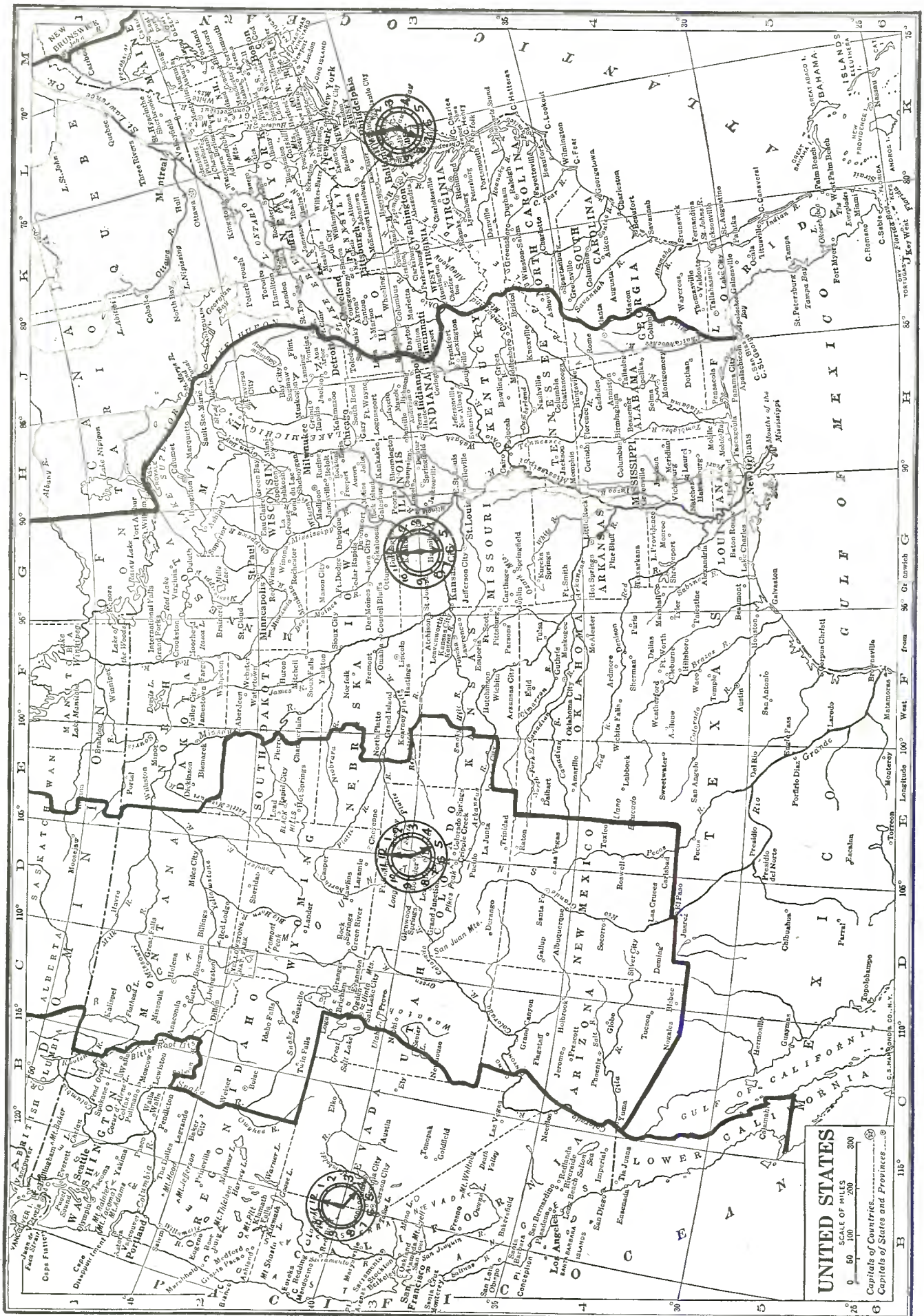
By consulting the ordinary maps, to find the position of a town in a foreign country, and then marking it in the corresponding part of its continent on this twisted map, the distance and direction may be measured with a ruler. The scale is about 3,500 miles to the inch.



This map, calculated by General Electric engineers, is what is called an "Equidistant Zenithal Projection" and is in contrast to the more common "Mercator's Projection," on which the Time Zone Map on another page is laid out. The peculiar distortion of the map above is caused by the attempt to flatten out a globe to show both sides; without changing the distance of any point from the center. The rim represents a point in the Indian Ocean which is directly under the earth from Schenectady. We may imagine a rubber balloon, representing the earth, punctured at this point and drawn out until this opening is the rim of a circle.

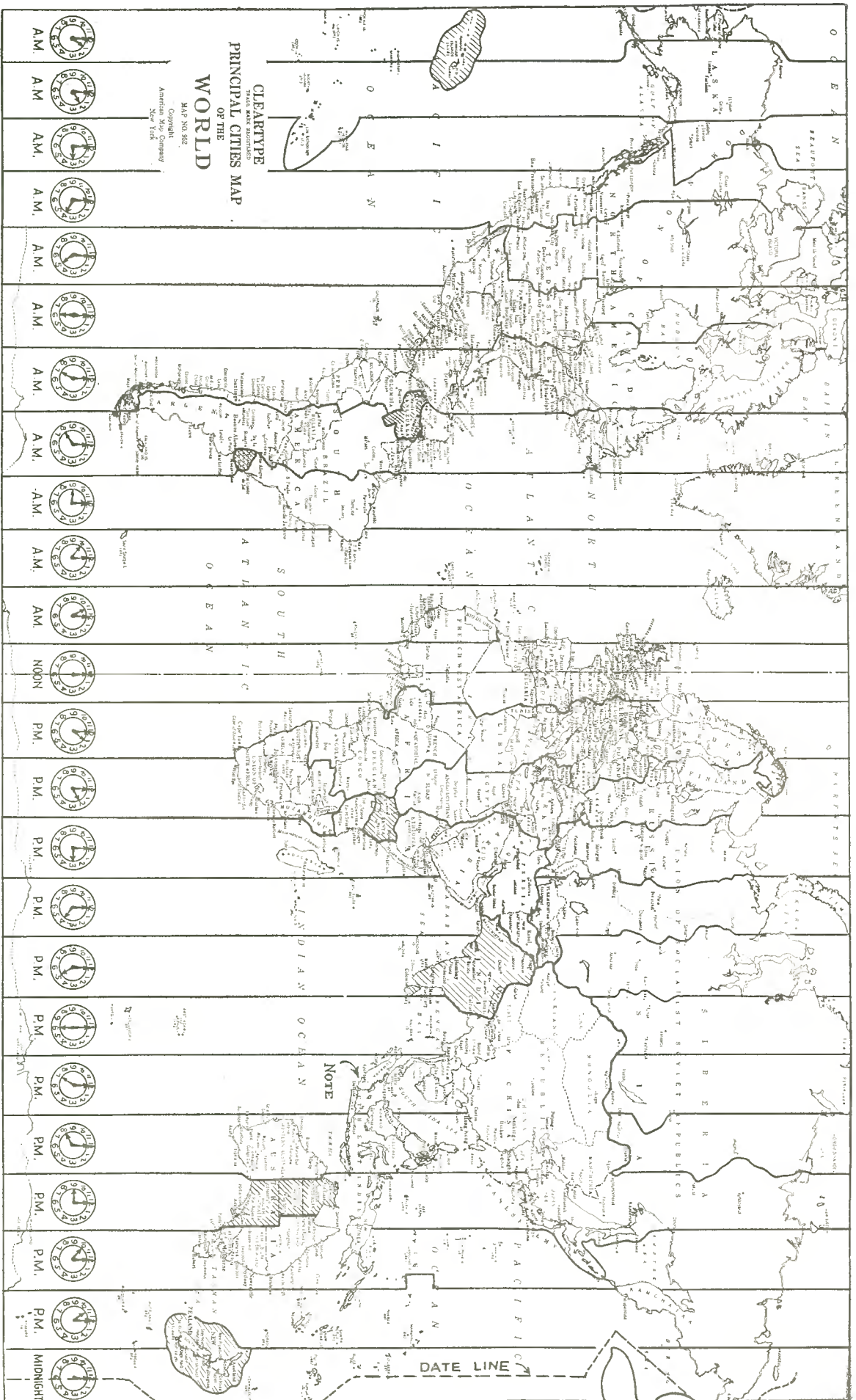
It will be seen here that the shortest line from New York to Bandoeng, Java (for instance) runs almost directly through the North Pole. On the ordinary map a straight line does not show the true direction, but indicates a path several thousand miles longer. Radio waves, as a rule, are received along the most direct path; though powerful directional sets show an "echo" which comes from the opposite direction, around the world over a longer route.

STANDARD TIME ZONES OF THE UNITED STATES
And adjacent parts of Canada and Mexico



STANDARD TIME ZONES OF THE WORLD AND OUTLINE CHART OF THE WORLD'S COUNTRIES

NOTE: USE MAGNIFYING GLASS TO READ CITIES.



Note: Since Holland keeps Amsterdam time, which is 20 minutes faster than standard, the Dutch East Indies are 7 hours 20 minutes faster than Greenwich time. New Zealand, Central Australia, Kenya, Uruguay, Venezuela, and the Hawaiian Islands are on half-hour standards, intermediate between the zones whose boundaries they cross; and China, Persia, Arabia, Abyssinia, etc., have no standard time. India is on a half-hour standard, in the west; and Calcutta is 7 minutes slower than standard time, at any moment, is reckoned one hour later, or faster, for each zone we cross toward the east, or right side of the page; and one hour earlier, or slower, for each zone going west. The clocks show the time, at each place in the world, when the day is ending at the Date Line at the right of the page. Add the difference in time (as shown between the zone clocks) between your position and any station east of you, to your own time, to determine the time at that station; but subtract the difference in time from your own time, if the station is west of you; or consult the Time Conversion Table on another page.

Calibration Curve Sheets

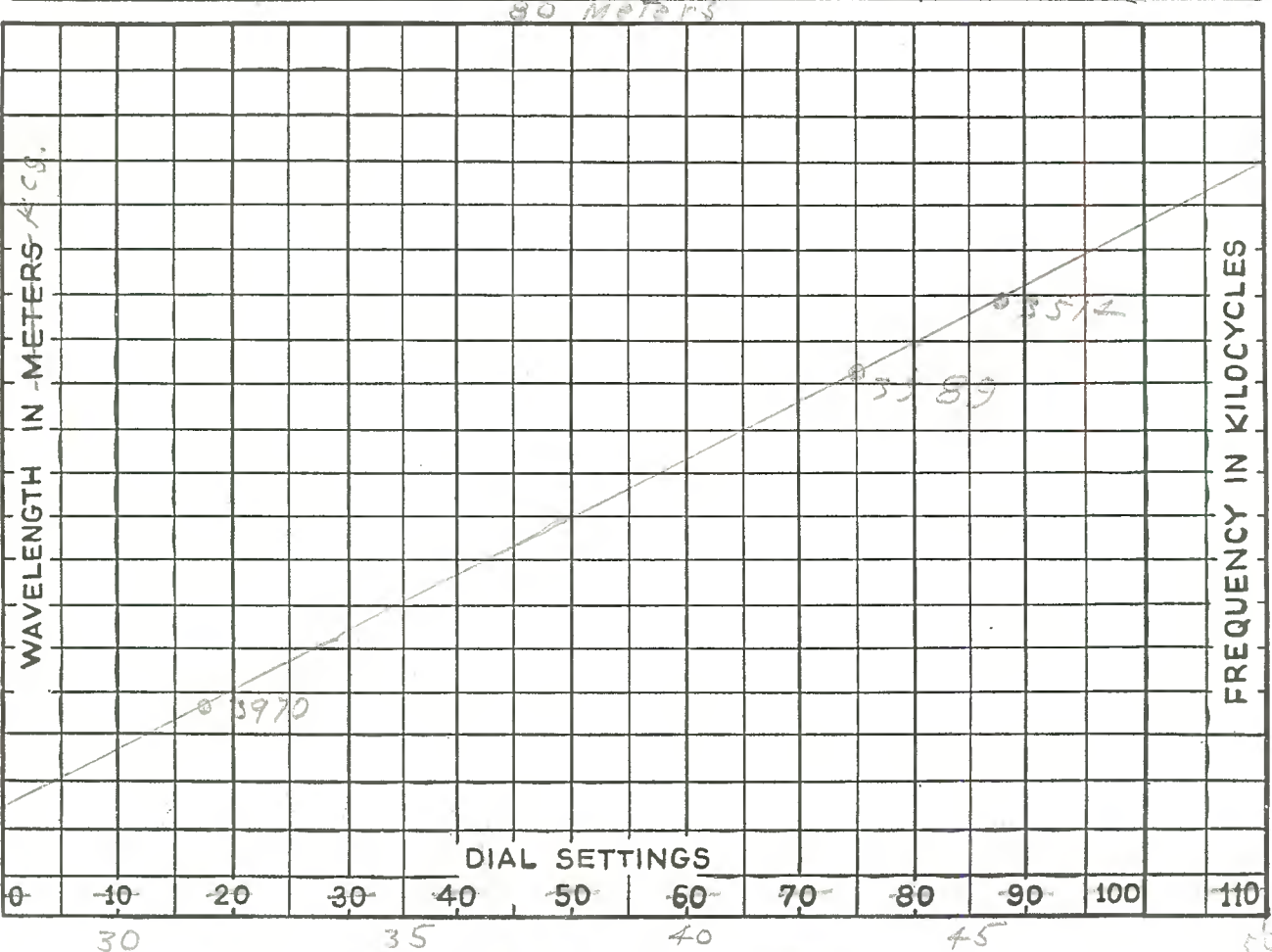
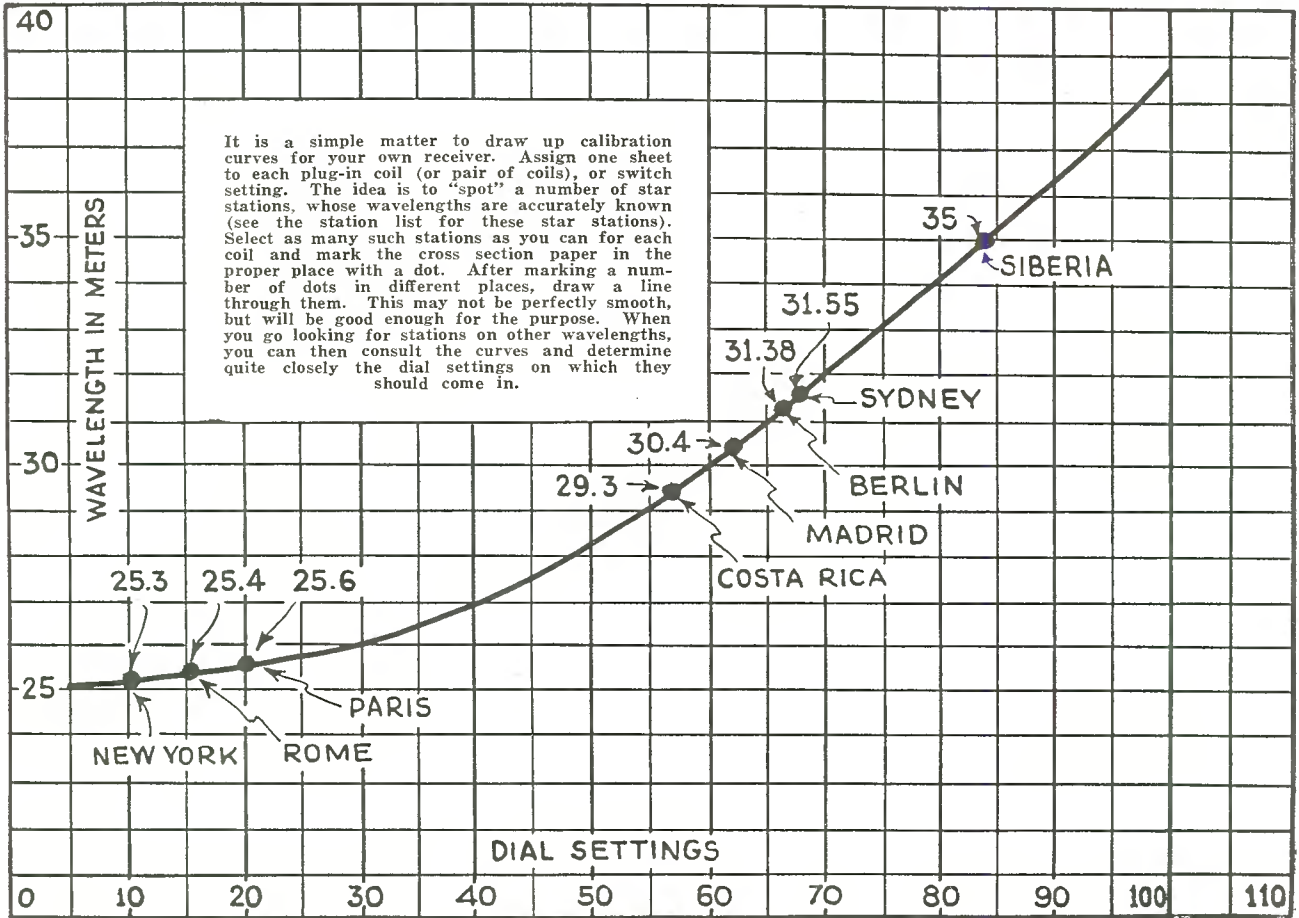
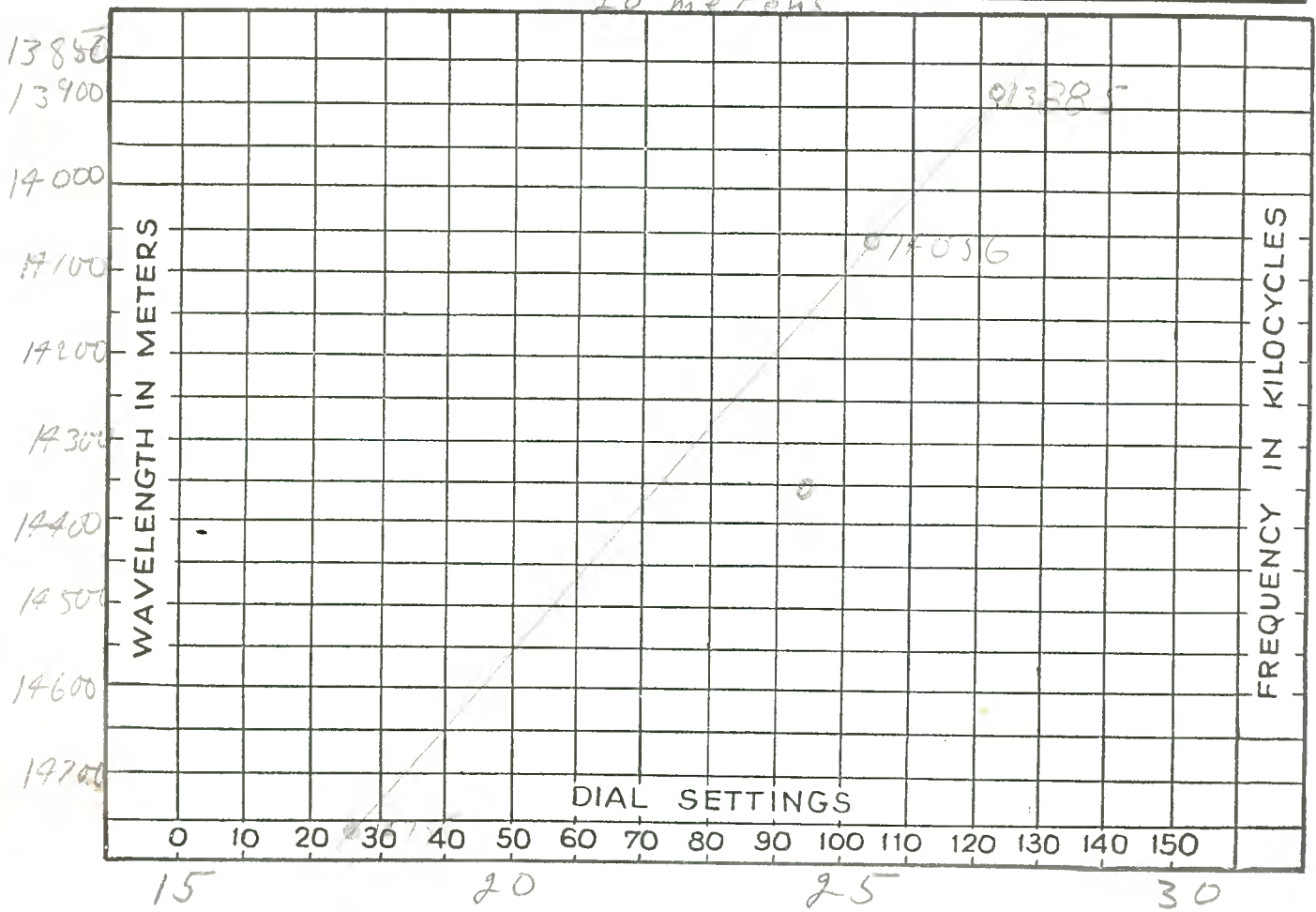
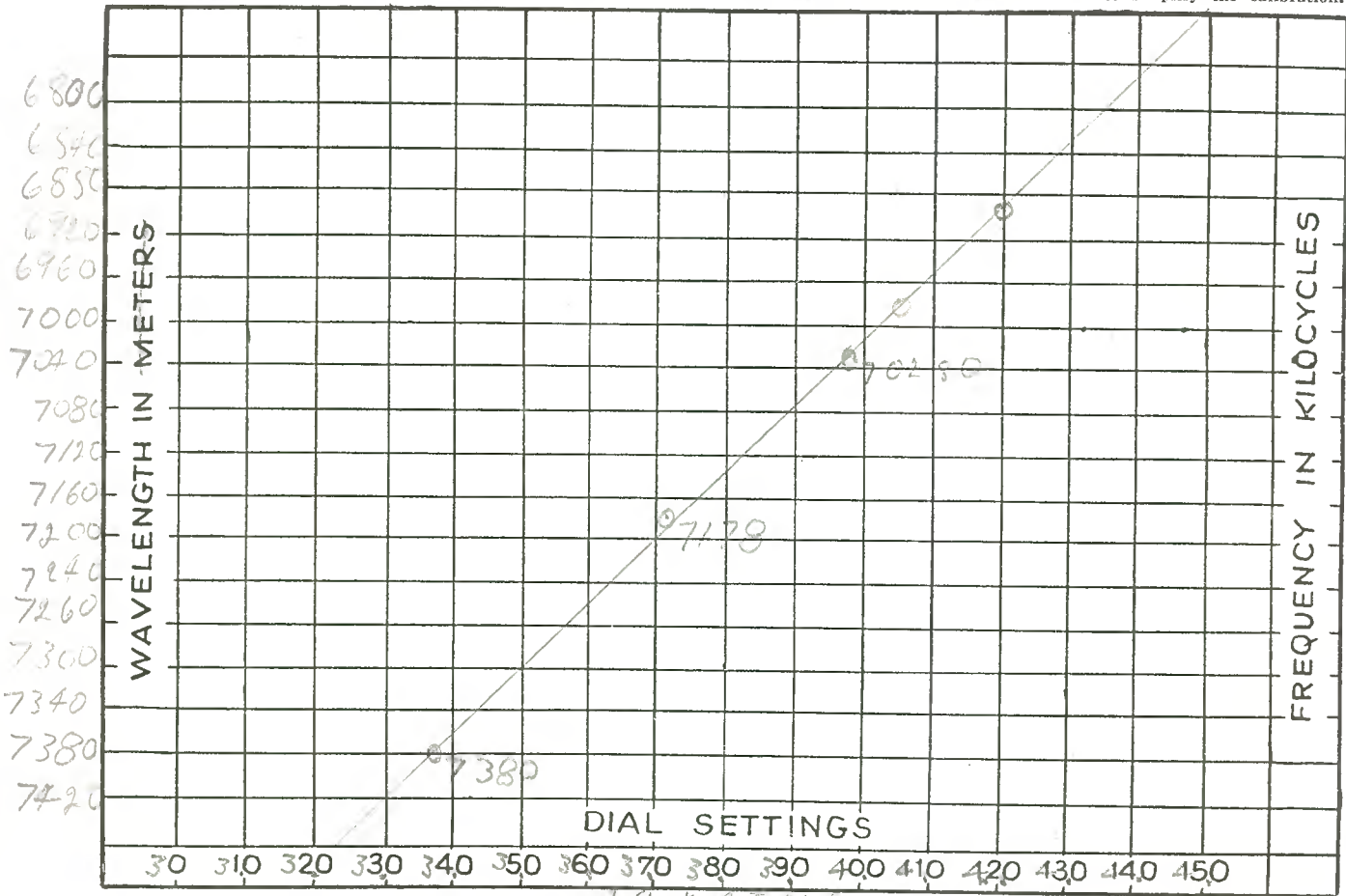


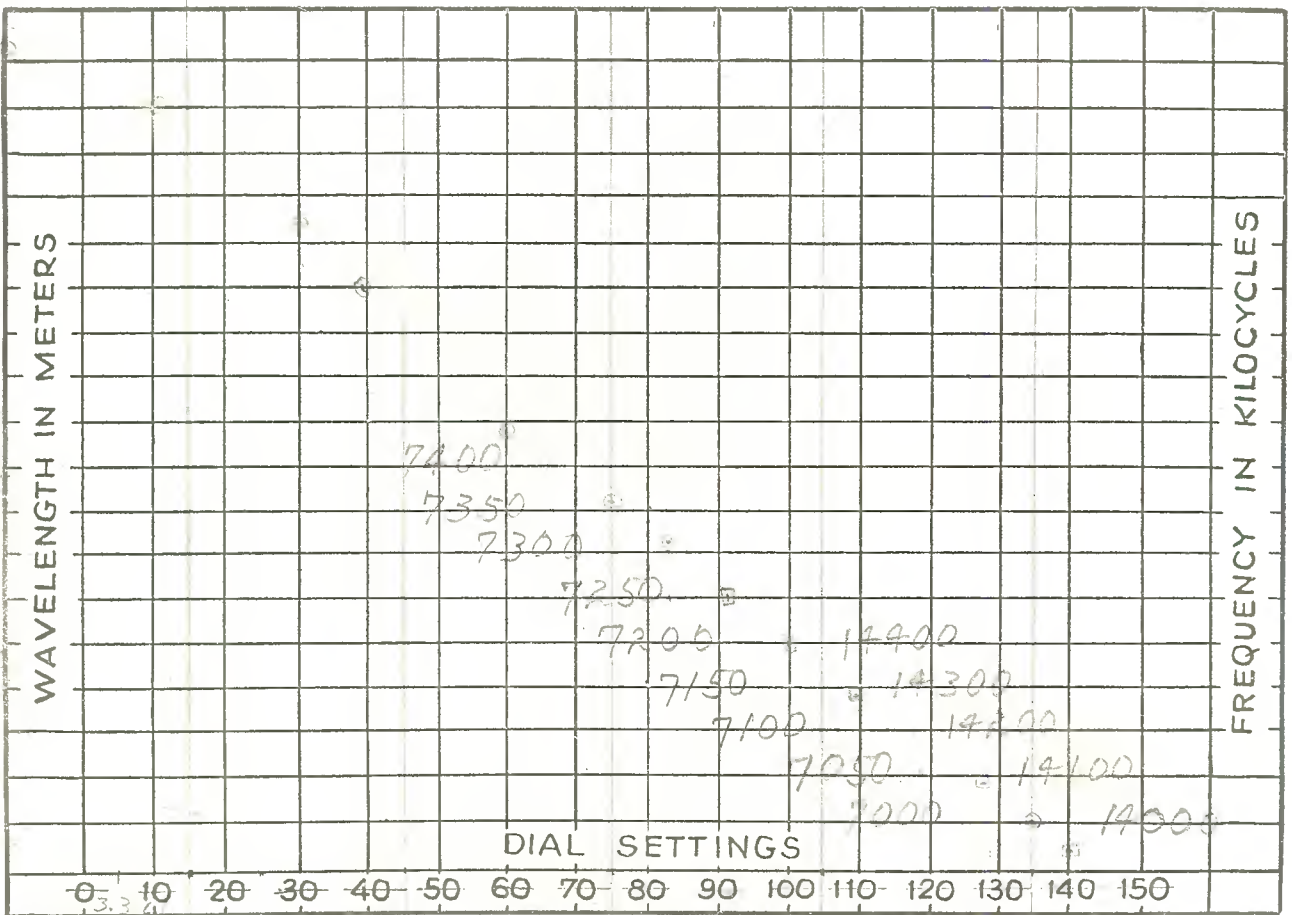
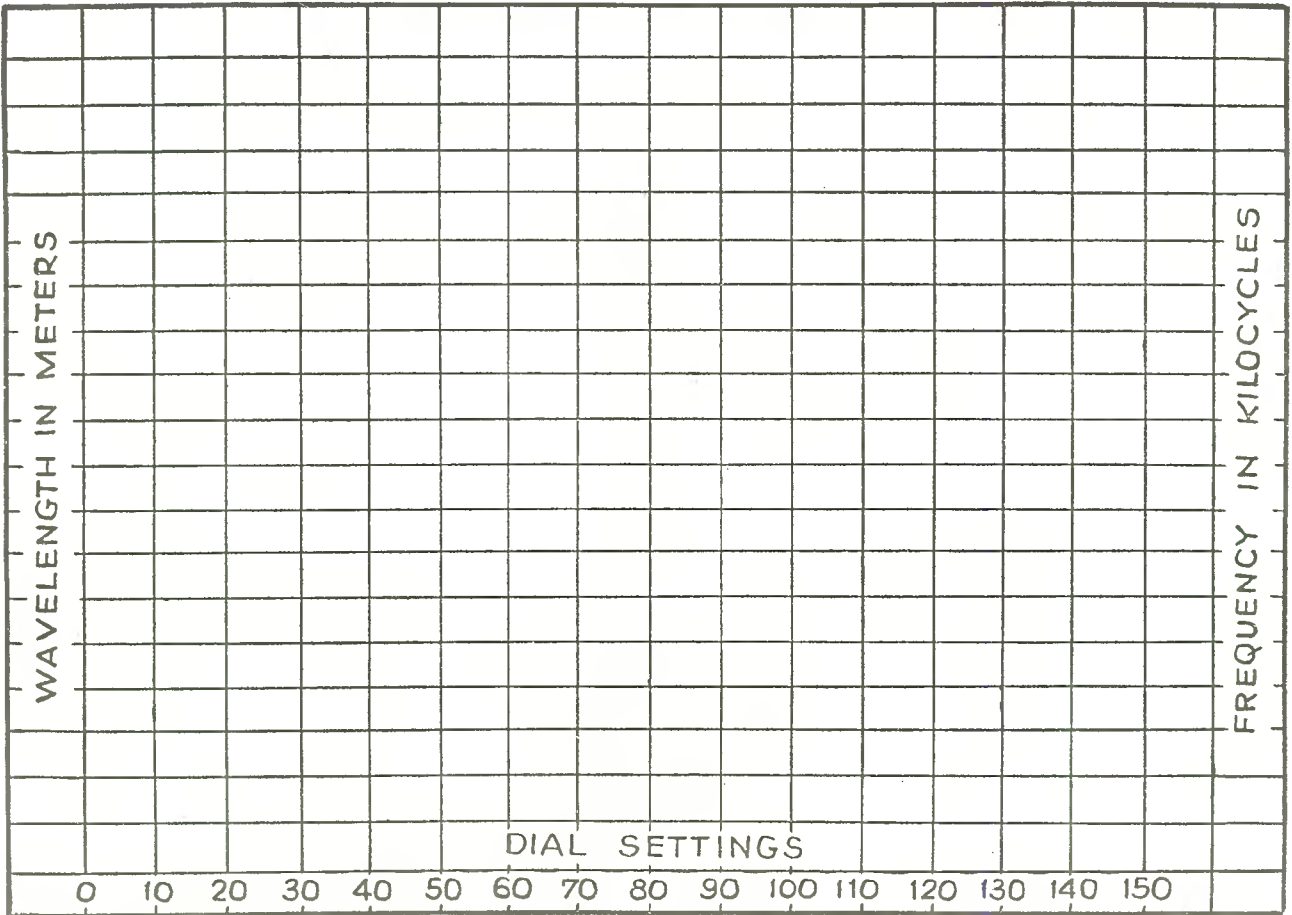
Figure 1.5

40 meter
150 DEGREE CURVE SHEETS

Many receivers are equipt with 150 degree tuning dials, therefore these calibration curve sheets are furnished to simplify the calibration.



150 DEGREE CURVE SHEETS



Handwritten notes on the left margin:

- 3525
- 3500
- 3475
- 3450
- 3425
- 3400
- 3375
- 3350
- 3325
- 3300

Handwritten numbers at the bottom of the grid:

10 20 30 40 50 60 70 80 90 100

The Short Wave Scouts

By Hugo Gernsback

INASMUCH as there are now 8,500 short-wave stations in the world, naturally a mere few short-wave listeners cannot hope to listen to all of the transmissions; and for that reason a much broader movement is required.

An organization of **SHORT WAVE SCOUTS** would seem to fill this need; and **SHORT WAVE CRAFT**, as the largest short-wave magazine in the world today, and the **OFFICIAL SHORT WAVE LOG & CALL MAGAZINE**, would seem to be naturally the logical media to report **SHORT WAVE SCOUTING** regularly.

There is nothing more annoying to the short-wave listener to try and "log" a station which is either definitely *off the air*, or even temporarily discontinued, or which may have changed its call letters, etc. In the preparation of any magazine, sixty days (as a rule) elapses between the editorial *closing date* and the time when the magazine gets to its readers either by mail or on the newsstands.

What then, is required, is quick and accurate reporting. This, I believe, can be done better by the thousands of readers of **SHORT WAVE CRAFT** and the **OFFICIAL SHORT WAVE LOG & CALL MAGAZINE** who are sufficiently interested in the purely scientific pursuit of the art, to be instrumental in advancing radio. New stations spring up unannounced, transmitters are changed, power is changed, all without notification to anyone! Some of the stations in the smaller countries particularly violate these rules—if they are rules—constantly. They issue no piece of literature or, if they do, it is usually many months late. Naturally, here is where the **SHORT WAVE SCOUT** comes in because he gets his information instantaneously, and he can do a lot to help make the lists published in **SHORT WAVE CRAFT**, and in the **OFFICIAL SHORT WAVE LOG AND CALL MAGAZINE**, as accurate as it is humanly possible to make it.

Moreover, short wave enthusiasts are proud of their work. It is a sport or a game more interesting than golf or bridge. It certainly is far more thrilling, for when you come to think of it, while you are pursuing this endeavor, you are actually helping to develop the art. This factor of service always gives you an additional thrill.

And now, to make the endeavor of even more interest to **SHORT WAVE SCOUTS**, the publishers of **SHORT WAVE CRAFT** and the **OFFICIAL SHORT WAVE LOG & CALL MAGAZINE**, will donate to this cause every month, a very handsome trophy under the rules formulated below.

On this page is illustrated an actual photograph of the handsome trophy, which was designed by one of New York's leading silversmiths. It is made of metal throughout, except the base, which is made of handsome black Bakelite. The metal itself is quadruple silver-plated, in the usual manner of all trophies today. It is a most imposing piece of work, and stands from tip to base 22 1/4". The diameter of the base is 7 3/4". The diameter of the globe is 5 1/4". The work throughout is first-class, and no money has been spared in its execution. It will enhance any home, and will be admired by everyone who sees it.

The trophy will be awarded every month, and the winner will be announced in the following issue of **SHORT WAVE CRAFT**. The winner's name will be *hand engraved* on the trophy. The lettering on the wide lower silver band reads as follows:

Presented to
SHORT WAVE SCOUT
John Dough
For his contributions toward the
advancement of the art of Radio
by



Magazine

Rules of Contest

1.—A monthly trophy will be awarded to one **SHORT WAVE SCOUT** only.

2.—The purpose of this contest is to advance the art of radio by "logging" as many short-wave commercial phone stations, in a period not exceeding thirty days, as possible by any one contestant.

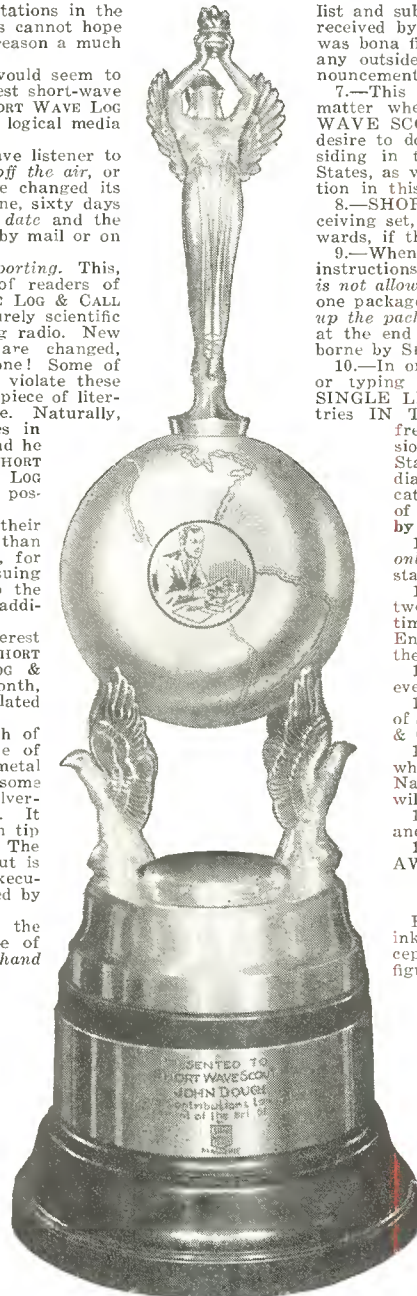
3.—The trophy will be awarded to that **SHORT WAVE SCOUT** who has logged the greatest number of short-wave stations during one month.

4.—In the event of a tie between two or more contestants, each logging the same number of stations, the judges will award a similar trophy to each contestant so tying.

5.—Verifications are necessary; these must be sent in with each entry. All cards or verification letters must be sent in at the same time, with a statement by the **SHORT WAVE SCOUT**, giving the list of stations in typed or written form, with the station calls, wave-lengths, and other valuable information. (See below.) The verification letters and cards will be returned to the **SHORT WAVE SCOUT** at the end of each monthly contest. (See Jan. 1933, editorial how to obtain verifications.)

6.—Inasmuch as not all stations send out verification letters or verification cards, each contestant is entitled to report not more than 50% of station calls for which no proper verification is submitted. For example, if you should mail a list of 100 stations, and submit 50 verification cards or letters with this list, the Judges would allow the 100 stations, providing such data is given for the 50 unverified stations as to enable an intelligent check to be made by the Judges. In the interest of all **SHORT WAVE SCOUTS**, however, contestants should try to send in as many verifications as possible. Each list submitted must be sworn to before a Notary Public, as follows:

"The undersigned, declares under oath that the stations listed in this



Here is the **SHORT WAVE SCOUT** Trophy. It stands 22 1/4 inches high; the diameter of the globe being 5 inches. Engraved in the globe is a **SHORT WAVE SCOUT** with earphones sitting in front of his radio set. The western half of the hemisphere is shown. The lower part of the trophy is engraved with the winner's name.

list and submitted in the **SHORT WAVE SCOUT** Contest were received by me during the past thirty days, that the reception was bona fide and was obtained by me without assistance from any outsider, and that I personally listened to the station announcements as given in this list."

7.—This is an *international* contest in which any reader, no matter where located, can join. It is allowable for **SHORT WAVE SCOUTS** to list stations in their own countries, if they desire to do so. In other words, **SHORT WAVE SCOUTS** residing in the United States can log stations in the United States, as well as foreign stations. There will be no discrimination in this respect.

8.—**SHORT WAVE SCOUTS** are allowed the use of any receiving set, from a one-tube up to one of sixteen tubes, or upwards, if they so desire.

9.—When sending in entries, note the following few simple instructions: Type your list, or write in ink, *pencilled matter is not allowed*. Send verification cards, letters and the list all in one package, either by mail or by express prepaid; *do not split up the package*. Verification cards and letters will be returned, at the end of the contest, to their owners; the expense to be borne by **SHORT WAVE CRAFT** magazine.

10.—In order to have uniformity of the entries, when writing or typing your list observe the following routine: USE A **SINGLE LINE FOR EACH STATION**; type or write the entries IN **THE FOLLOWING ORDER**: Station call letters; frequency station transmits at; schedule of transmissions, if known (all time should be reduced to Eastern Standard which is five hours behind Greenwich Meridian Time); name of station, city, country; identification signal if any. Sign your name at the bottom of the list and furthermore state the type of set used by you to receive these stations.

11.—Don't list amateur transmitters in this contest, only commercial phone stations no CW and no "code" stations.

12.—This contest will close every month for the next twelve months on the first day of the month by which time all entries must have been received in New York. Entries received after this date will be held over for the next month's contest.

13.—The contest will close in New York the first of every month.

14.—The Judges of the contest will be the editors of **SHORT WAVE CRAFT** and the **OFFICIAL SHORT WAVE LOG & CALL MAGAZINE** and their findings will be final.

15.—Trophy awards will be made every month at which time the trophy will be sent to the winner. Names of the contesting **SCOUTS** not winning a trophy will be listed in Honorable Mention each month.

16.—From this contest are excluded all employees and their families of **SHORT WAVE CRAFT** magazine.

17.—Address all entries to **SHORT WAVE SCOUT AWARD**, 98 Park Place, New York City.

How to Get Verification Cards

First of all, write the letter neatly, typewritten or ink, never in pencil! Give the exact local time of reception, as well as Greenwich meridian time, which is figured as follows:

Greenwich time is five hours ahead of Eastern Standard Time; six hours ahead of Central Standard Time; seven hours ahead of Mountain Time; eight hours ahead of Pacific Time, etc. In other words, when it is six o'clock Eastern Standard Time, it is 11 o'clock Greenwich Meridian Time. *Always* give the Greenwich time, because the broadcasters will know that this is the correct time.

Be sure to mention that part of the program which you listen to; if instrumental music, state so; if a talk, do likewise, etc.

Be sure to think the station manager for giving you the program, and how much pleasure you received by listening to his station.

Next, ask them to be kind enough to send you a verification card or letter, and don't be peremptory in your demand. Remember, that the station is *doing you a favor* because they have to answer thousands of such letters, and they are not obliged to do it in the first place.

State in the letter that you enclose an *International Postage Reply Coupon*. Never send cash or stamps. The foreign stations cannot use them. The *International Postage Reply Coupon* costs 9c. You must buy it at your local Post Office; no one else sells it. This coupon is better pinned, not pasted, to your letter.

Print your address at the bottom of the letter, and print the same address on the envelope.

Next—and most important, where most fans fall down is the matter of postage. Letters to Europe, Australia, Asia, Africa and most of the foreign islands go at the rate of 5c, if the letter weighs less than an ounce. If it weighs above this, extra postage must be prepaid. I discourage the use of postal cards, because with the postal card you cannot send the *International Money Coupon*, and you will find that *only a small percentage of stations will answer your requests, unless the International Postage Reply Coupon is used!* The reason for this, of course, is that a number of stations do not wish to lay out their own postage to send you verifications, while if you send them the *International Postage Coupon* they feel morally bound to answer your letter for verification.

If you do not have the exact address, most of your letters will reach their destination by just addressing them as per example:

Radio Station XXXYZ, Bangkok, Siam. This, in most cases, is sufficient, as the local post office authorities usually know the station and deliver your letter.

INTERNATIONAL RADIOTELEGRAPHIC CONVENTION
LIST OF ABBREVIATIONS TO BE USED IN RADIO TRANSMISSIONS

Abbreviations to be used in all services

Abbreviation	QUESTION	ANSWER OR NOTICE	Abbreviation	QUESTION	ANSWER OR NOTICE
QRA	What is the name of your station?	The name of my station is	QSO	Can you communicate with directly (or through the intermediary of)?	I can communicate with directly (or through the intermediary of).
QRB	At what approximate distance are you from my station?	The approximate distance between our stations is nautical miles (or kilometers).	QSP	Will you relay to free of charge?	I will relay to free of charge.
QRC	By what private company (or government administration) are the accounts for charges of your station liquidated?	The accounts for charges of my station are liquidated by the private company (or by the government administration of).	QSQ	Must I send each word or group once only?	Send each word or group once only.
QRD	Where are you going?	I am going to	QSR	Has the distress call received from been attended to?	The distress call received from has been attended to by
QRE	What is the nationality of your station?	The nationality of my station is	*QSU	Must I send on meters (or kilocycles) waves of type A1, A2, A3, or B?	Send on meters (or on kilocycles) waves of type A1, A2, A3, or B. I am listening for you.
QRF	Where do you come from?	I come from	QSV	Must I shift to the wave of meters (or of kilocycles), for the balance of our communications, and continue after having sent several V's.	Shift to wave of meters (or of kilocycles) for the balance of our communications and continue after having sent several V's.
QRG	Will you indicate to me my exact wave length in meters (or frequency in kilocycles)?	Your exact wave length is meters (or kilocycles).	*QSW	Will you send on meters (or on kilocycles) waves of type A1, A2, A3, or B?	I will send on meters (or on kilocycles) waves of types A1, A2, A3, or B. Continue to listen.
QRH	What is your exact wave length in meters (frequency in kilocycles)?	My exact wave length is meters (frequency kilocycles).	QSY	Does my wave length (frequency) vary?	Your wave length (frequency) varies.
QRI	Is my tone bad?	Your tone is bad.	QST	Must I send on the wave of meters (or kilocycles) without changing the type of wave?	Send on the wave of meters (or kilocycles) without changing the type of wave.
QRJ	Are you receiving me badly? Are my signals weak?	I can not receive you. Your signals are too weak.	QSZ	Must I send each word or group twice?	Send each word or group twice.
QRK	Are you receiving me well? Are my signals good?	I receive you well. Your signals are good.	QTA	Must I cancel telegram No. as if it had not been sent?	Cancel telegram No. as if it had not been sent.
QRL	Are you busy?	I am busy. Or, (I am busy with). Please do not interfere.	QTB	Do you agree with my word count?	I do not agree with your word count; I shall repeat the first letter of each word and the first figure of each number.
QRM	Are you being interfered with?	I am being interfered with.	QTC	How many telegrams have you to send?	I have telegrams (for you or for).
QRN	Are you troubled by atmospheric interference?	I am troubled by atmospheric interference.	QTD	Is the word count which I am confirming to you accepted?	The word count which you confirm to me is accepted.
QRO	Must I increase power?	Increase power.	QTE	What is my true bearing? (or) What is my true bearing relative to	Your true bearing is degrees (or) degrees at (o'clock).
QRP	Must I decrease power?	Decrease power.	QTF	Will you give me the position of my station based on the bearings taken by the radio-compass stations which you control?	The position of your station based on the bearings taken by the radio-compass stations which I control is latitude, longitude.
QRQ	Must I send faster?	Send faster (..... words per minute).	QTG	Will you transmit your call signal for one minute on a wave length of meters (or kilocycles) in order that I may take your radio-compass bearing?	I am sending my call signal for one minute on the wave length of meters (or kilocycles) in order that you may take my radio-compass bearing.
QRS	Must I send more slowly?	Send more slowly (..... words per minute).	QTH	What is your position in latitude and longitude (or according to any other indication)?	My position is latitude, longitude (or according to any other indication).
QRT	Must I stop sending?	Stop sending.	QTI	What is your true course?	My true course is degrees.
QRU	Have you anything for me?	I have nothing for you.	QTL	What is your speed?	My speed is knots, or kilometers, per hour.
QRV	Must I send a series of V's?	Send a series of V's.	QTM	Send radio signals and submarine sound signals to enable me to determine my bearing and your distance.	I am sending radio signals and submarine sound signals to permit you to determine my bearing and your distance.
QRW	Must I advise that you are calling him?	Please advise that I am calling him.	QTN	Can you take the bearing of my station (or of relative to you)?	I can not take the bearing of my station (or of relative to your station).
QRX	Must I wait? When will you call me again?	Wait until I have finished communicating with I will call you immediately (or at o'clock).	QTP	Are you going to enter the dock (or the port)?	I am going to enter the dock (or the port).
QRY	Which is my turn?	Your turn is No. (or immediately or at any other indication).	QTH	What is the exact time?	The exact time is
QRZ	By whom am I being called?	You are being called by	QTS	What is the true bearing of your station relative to me?	The true bearing of my station relative to you is at (o'clock).
QSA	What is the strength of my signals (1 to 5)?	The strength of your signals is (1 to 5).	QTV	What are the hours during which your station is open?	My station is open from to
QSB	Does the strength of my signals vary?	The strength of your signals varies.			
QSC	Do my signals disappear entirely at intervals?	Your signals disappear entirely at intervals.			
QSD	Is my keying bad?	Your keying is bad.			
QSE	Are my signals distinct?	Your signals are unreadable.			
QSF	Is my automatic transmission good?	Your signals run together.			
QSG	Must I transmit the telegrams by a series of 5, 10 (or according to any other indication)?	Your automatic transmission fades out.			
QSH	Must I send one telegram at a time, repeating it twice?	Transmit the telegrams by a series of 5, 10 (or according to any other indication).			
QSL	Must I send the telegrams in alternate order without repetition?	Transmit one telegram at a time, repeating it twice.			
QSM	What is the charge to be collected per word for including your internal telegraph charge?	Send the telegrams in alternate order without repetition.			
QSN	Can you receive me now? Must I continue to listen?	The charge to be collected per word for is francs, including my internal telegraph charge.			
		Suspend traffic. I will call you again at (o'clock).			
		I give you acknowledgment of receipt.			
		I have not received your acknowledgment of receipt.			
		I can not receive you now. Continue to listen.			

When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.

* A1=continuous waves, unmodulated (CW).
A2=continuous waves, modulated (ICW or ACW).
A3=continuous waves, modulated by speech or music (phone).
B=damped waves (spark).

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Above, we have the International Morse Code and Abbreviations, which the student must learn. The most important rule which can be laid down for the code student, is that he should learn to send slowly at first, with accurate spacing of the dots and dashes, and also, the correct length of the characters themselves. The great mistake that many code students make is to speed up their "sandbagging" before they have thoroughly learned how to transmit properly and accurately. To become a good code operator requires plenty of practice.

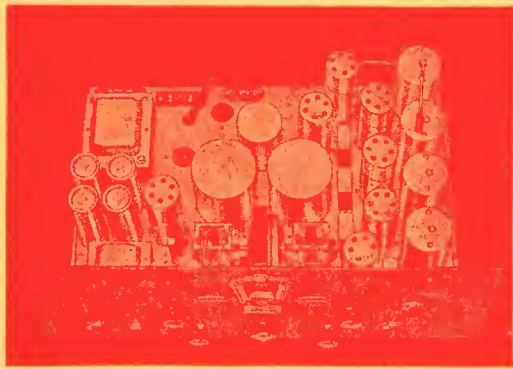
FROM (OE)	FROM (OE)	FROM (OE)
INVITATION TO TRANSMIT	INVITATION TO TRANSMIT	INVITATION TO TRANSMIT
(GO AHEAD)	(GO AHEAD)	(GO AHEAD)
WARNING - HIGH POWER	WARNING - HIGH POWER	WARNING - HIGH POWER
QUESTION (PLEASE REPEAT AFTER-)	QUESTION (PLEASE REPEAT AFTER-)	QUESTION (PLEASE REPEAT AFTER-)
INTERRUPTING LONG MESSAGES	INTERRUPTING LONG MESSAGES	INTERRUPTING LONG MESSAGES
WAIT	WAIT	WAIT
BREAK (BK) (DOUBLE DASH)	BREAK (BK) (DOUBLE DASH)	BREAK (BK) (DOUBLE DASH)
UNDERSTAND	UNDERSTAND	UNDERSTAND
ERROR	ERROR	ERROR
RECEIVED (O.K.)	RECEIVED (O.K.)	RECEIVED (O.K.)
POSITION REPORT (TO PRECEDE ALL POSITION MESSAGES)	POSITION REPORT (TO PRECEDE ALL POSITION MESSAGES)	POSITION REPORT (TO PRECEDE ALL POSITION MESSAGES)
END OF EACH MESSAGE (CROSS)	END OF EACH MESSAGE (CROSS)	END OF EACH MESSAGE (CROSS)
TRANSMISSION FINISHED (END OF WORK) CONCLUSION OF CORRESPONDENCE	TRANSMISSION FINISHED (END OF WORK) CONCLUSION OF CORRESPONDENCE	TRANSMISSION FINISHED (END OF WORK) CONCLUSION OF CORRESPONDENCE

NOTE

[TO BE USED FOR ALL GENERAL PUBLIC-SERVICE RADIO COMMUNICATION. (1) A DASH IS EQUAL TO THREE DOTS; (2) THE SPACE BETWEEN PARTS OF THE SAME LETTER IS EQUAL TO ONE DOT. (3) THE SPACE BETWEEN TWO LETTERS IS EQUAL TO THREE DOTS; (4) THE SPACE BETWEEN TWO WORDS IS EQUAL TO FIVE DOTS.]

INTERNATIONAL MORSE CODE
AND
CONVENTIONAL SIGNALS

A	•••••	9	•••••	PERIOD	•••••
B	•••••	0	•••••	SEMICOLON	•••••
C	•••••	A	•••••	COMMA	•••••
D	•••••	A'	•••••	COLON	•••••
E	•••••	A''	•••••	INTERROGATION	•••••
F	•••••	A'''	•••••	EXCLAMATION POINT	•••••
G	•••••	A''''	•••••	APOSTROPHE	•••••
H	•••••	CH	•••••	HYPHEN	•••••
I	•••••	E	•••••	BAR INDICATING FRACTION	•••••
J	•••••	E'	•••••	PARENTHESES	•••••
K	•••••	E''	•••••	INVERTED COMMAS	•••••
L	•••••	N	•••••	DOUBLE DASH	•••••
M	•••••	N'	•••••	DISTRESS CALL	•••••
N	•••••	N''	•••••	ATTENTION CALL TO PRECEDE EVERY TRANSMISSION	•••••
O	•••••	N'''	•••••	GENERAL INQUIRY CALL	•••••
P	•••••	N''''	•••••		
Q	•••••	U	•••••		
R	•••••	U'	•••••		
S	•••••	U''	•••••		
T	•••••	U'''	•••••		
U	•••••	U''''	•••••		
V	•••••				
W	•••••				
X	•••••				
Y	•••••				
Z	•••••				



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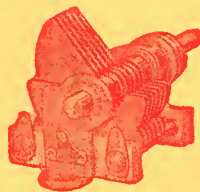
The use of air-dielectric condensers, having Isolantite bases, eliminates the variations in gain and selectivity inherent in I. F. transformers tuned by compression-type condensers having mica dielectric. Thus, Hammarlund I. F. Transformers hold their peak efficiency, unaffected by temperature or humidity.

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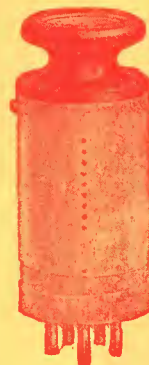
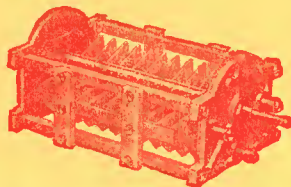


R-F CHOKES

The Hammarlund Radio Frequency Choke is designed particularly for short-wave and ultra short-wave receivers and transformers, but its efficiency extends well over the regular broadcast band. Its compactness permits mounting in isolated positions well removed from stray r. f. fields, which together with its load characteristics, specially recommend it as a grid choke for multi-stage transmitters. Isolantite form. Moisture-proof windings.



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