

★
OFFICIAL
SHORTWAVE
LOG AND CALL
BOOK

SPONSORED
BY



PUBLISHED BY
THE PUBLISHERS OF



Win the Denton Trophy with an ACRATONE

10 TUBE

ALL WAVE SUPERHETERODYNE

15 TO 550 METERS



CLIFFORD E. DENTON



THE DENTON TROPHY



Model 33-A

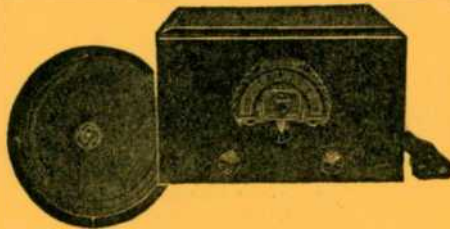
\$42.50

COMPLETE
WITH RAYTHEON 4 PILLAR TUBES

This new Acratone is by far the most powerful receiver to date. Not only is it a fine performing broadcast receiver—but a turn of the wave change switch brings in hundreds of foreign short wave stations. The Automatic Wave change dial is the simplest arrangement possible for band changing. Each band on the dial is accurately calibrated in kilocycles facilitating the location of short wave or broadcast stations. The dial is also marked off with the locations of the various European, American, Aircraft, Amateur and Police Bands. The audio end of any receiver is the deciding factor as far as tonal quality is concerned. The first audio stage uses two 56 tubes in push pull feeding a pair of 45 tubes in push pull Class "A" Prime. This tremendous power output is easily handled by the two powerful large dynamic speakers.

FEATURING

- Automatic Wave Change Dial
- Class "A" Prime Audio
(Delivering over 10 watts)
- Automatic Volume Control
- Tuning Meter
- Tone Control
- Twin Large Dynamic Speakers
- Antenna Adjuster
- New Tubes
- Size: 21 x 10 x 11"
- Completely Shielded



THE ACRATONE DISCOVERER

Model 20-A

A 5-tube A.C. operated short wave receiver

The Discoverer is a 5-tube T.R.F. receiver having one stage of T.R.F. using a 58 tube, two stages of audio, the first using a 56 tube and the second a 59 power output pentode and a rectifier stage using a 280 tube. The receiver is equipped with a self-contained power supply for 110 to 125 volts A.C. 50 to 60 cycles. A phone Jack is provided for those who prefer phones. Provisions are made for the noiseless doublet type antenna. A set of eight space wound coils are used, four for the R.F. stage and four for the detector. These coils cover from 15 to 200 meters.

The Set Complete, wired and tested, with tubes and speaker—nothing else to buy

\$37.50

THE DIS- COVERER KIT

Complete with Cabinet, parts, full-vision dial, a set of 8 coils (5 to 200 meters), power supply and instructions.

\$25.95

8 3/4" dynamic speaker for above with cord and plug, Cat. No. 728.

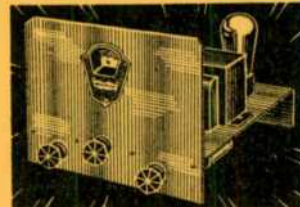
\$2.80

Set of 5 Raytheon 4 pillar tubes (2-58, 1-56, 1-59, 1-8).

\$3.75

THE ACRA- TONE 2 TUBE SHORT WAVE RECEIVERS

These receivers are extremely powerful and sensitive sets especially designed for long distance reception. They will operate either a speaker or phones on the majority of the far distant stations. Reports from users tell of reception up to 10,000 miles. The size or number of tubes in your set will not handicap you in the Denton Trophy Contest but certainly an inefficient set will. Be sure—use an Acratone!



THE ARGONAUT KIT Model 15A

Uses 2 type 280 tubes. The first as a regenerative detector and the second as an audio tube. This receiver only requires two 114 volt dry cells and a single 45 volt "B" battery.

Kit less coils and tubes \$5.95
Set of batteries for above 1.20
Set of four coils, 15 to 200 meters 1.20
2 Raytheon 4 pillar tubes, 280 2.17

THE AIR ROVER KIT Model 10A

Similar to above but especially sensitive. Uses 1-282 and 1-283 tubes.

Kit less coils and tubes \$5.95
Set of four coils, 15 to 200 meters 1.20
Set of batteries 2.16
Set of Raytheon 4 pillar tubes (1-282, 1-283) 2.12

THE VOYAGER KIT Model 45A

Similar to above but A.C. operated. Uses 1-57 detector and 1-58 power pentode.

Kit less coils and tubes \$5.95
Set of four coils, 15 to 200 meters 1.20
A.C. Power supply Cat. No. 730 (uses 280 tube) 4.95
Set of Raytheon 4 pillar tubes (1-57, 1-58, 1-280) 2.82

NOTE: Add \$3.00 for any of the above receivers if desired wired and tested.

For information regarding The Denton Trophy Contest, write to The Clifford E. Denton Trophy Committee, 23 Park Place, New York City.

NEW YORK CITY
25 Park Place

Federated Purchaser Inc.

CHICAGO ILL.
1331 S. Michigan Ave.

ATLANTA, GA.
631 Spring St. N. W.

PHILADELPHIA, PA.
2909 N. Broad St.

JAMAICA, L. I., N. Y.
92-26 Merrick Rd.

BROOK, N. Y.
534 E. Fordham Rd.

NEWARK, N. J.
273 Central Ave.

PITTSBURGH, PA.
243 Blvd. of the Allies

Official Short Wave LOG and CALL BOOK

(Registered U. S. Patent Office)

VOL. I

AUGUST, 1933

NO. 1

HUGO GERNSBACK
Editor

Table of Contents

Introduction	2
International Call Letter Assignments.....	3
Around-the-Clock Listening Guide	3
A Word About Short-Wave Schedules	3
Grand Short-Wave Station List, all countries of the World	4 to 30
Kilocycle-Meter Conversion	30
Best Short-Wave Stations.....	31 to 35
Television Stations	35
Police Radio Alarm Stations	36
Airport Radio Stations	37
Air Line Distances Over the Surface of the Earth.....	38, 39
Standard Time Zones of the United States	40
Standard Time Zones of the World	41
International Morse Code and Conventional Signals	42
List of Radio Abbreviations—Q Signals	42
Log Sheets	43 to 46
Calibration Curve Sheets	47, 48

Published

AUGUST, NOVEMBER,
FEBRUARY and MAY

Popular Book
Corporation

Publication Office
404 North Wesley Avenue
Mount Morris, Illinois

Editorial and General Office
96-98 Park Place
New York, N. Y.

HUGO GERNSBACK.....President
H. W. SECOR.....Vice-President
EMIL GROSSMAN.....Director of Advertising
Chicago Adv. Office.....
L. F. McCLURE, 919 No. Michigan Blvd.
London Agent: HACHETTE & CIE, 16-17 King Wil-
liam St., Charing Cross, W.C.2
Paris Agent: HACHETTE & CIE, 111 Rue Reaumur
Australian Agents: MCGILL'S AGENCY, 179 Elizabeth
St., Melbourne

OFFICIAL SHORT WAVE LOG & CALL BOOK -
Quarterly. Application for second class matter at the
post office at Mount Morris, Illinois, under the act of
March 3, 1879, pending. Trademarks and copyrights by
permission of H. Gernsback, 96 Park Place, N. Y. U.
Text and illustrations of this magazine are copyrighted
and must not be reproduced without permission. OFFI-
CIAL SHORT WAVE LOG & CALL BOOK is pub-
lished every 3 months. Four numbers per year. Sub-
scription price is \$1 a year in the United States and
possession, Canada and foreign countries, \$1.25 a year.
Single copy, 25c. Address all contributions for publica-
tion to Editor, OFFICIAL SHORT WAVE LOG &
CALL BOOK, 96-98 Park Place, New York, N. Y.
Publishers are not responsible for lost manu-
scripts. Contributions cannot be returned unless authors remit
full postage. OFFICIAL SHORT WAVE LOG & CALL
BOOK is for sale at all principal newsstands in the
United States and Canada. European agents: Hirenimo's,
London and Paris. Printed in U. S. A. Make all sub-
scription checks payable to Popular Book Corporation.

COPYRIGHT, 1933
BY H. GERNSBACK

Introduction

UP TO the present, there has been no complete short-wave log and call book, although for several years past there was a crying demand for an authoritative volume of this kind.

It should be realized that there are, now, over 8,500 short-wave stations in the world, not counting amateurs.

With new calls being added almost daily, it is manifestly impossible to list this great host of stations in any magazine; and that is the reason why the OFFICIAL SHORT WAVE LOG AND CALL BOOK has been created. The vagaries of short waves are such that it is quite impossible to foretell where and when you will be listening to a short-wave station thousands of miles away. Naturally, you are interested to know where the call originated; and, if you do not know the details—which is apt to happen most of the time—the present book supplies this want.

The book has been arranged in such a manner that all the calls heard can be logged in their proper places and, after a while, you will be the proud possessor of a short-wave log to which you can refer at all times for information.

Please note that this book is issued under the auspices of the SHORT WAVE LEAGUE, a membership association, the purpose of which is to further the art of short waves. While the publishers have tried to make the book as complete as possible, it is in the nature of the thing that there may be omissions here or there; and that errors have crept in. But the errors are not of our own making, since very frequently stations not only change calls but also change frequencies (wavelengths) as well. We would appreciate hearing from all listeners who have heard from stations which are either incorrectly listed now or omitted; in order that corrections may be made in subsequent issues of the SHORT WAVE LOG AND CALL BOOK.

This magazine will be issued as a quarterly. The present issue is the Summer number; the next, which will appear in September, will be the Fall issue.

We hope that listeners who make use of this new Call Book will let us have their comments on this new work. We naturally wish to receive all the criticisms we possibly can, to guide us in making the Call Book an institution in time to come.

If you wish to see other information published in the Call Book, please do not hesitate to make your wishes known to us.

Cordially,

THE PUBLISHERS.

International Call Letter Assignments

We are constantly receiving requests from listeners to identify short wave stations. As there are actually thousands of short-wave telegraph transmitters on the air, this is quite a job. We are publishing herewith a list showing the dis-

tribution of call signals among nations of the world. This was adopted by the International Radiotelegraph Convention held in Washington, D. C., during 1927 and has been ratified by most of the civilized countries of the world.

Call Signal	Country	Call Signal	Country	Call Signal	Country
CAA-CEZ	Chile.	OAA-OBZ	Peru.	VOA-VOZ	Newfoundland.
CFA-CKZ	Canada.	OCA-OCZ		VPA-VSZ	British colonies and protectorates.
CLA-CMZ	Cuba.	OFA-OCZ		VTA-VWZ	British India.
CNA-CNZ	Morocco.	OHA-OHZ	Finland.	W	United States of America.
CPA-CPZ	Bolivia	OKA-OKZ	Czechoslovakia.	XAA-XFZ	Mexico.
CQA-CQZ		ONA-OTZ	Belgium and colonies.	XGA-XUZ	China.
CRA-CRZ	Portuguese colonies.	OUA-OZZ	Denmark.	YAA-YAZ	Afghanistan.
CSA-CUZ	Portugal.	PAA-PIZ	Netherlands.	YHA-YHZ	New Hebrides.
CVA-CVZ	Roumania.	PJA-PJZ	Curacao.	YIA-YIZ	Iraq.
CWA-CXZ	Uruguay.	PKA-POZ	Dutch East Indies.	YLA-YLZ	Latvia.
CZA-CZZ	Monaco.	PPA-PYZ	Brazil.	YMA-YMZ	Free City of Danzig.
D	Germany.	PZA-PZZ	Surinam (Dutch Guiana).	YNA-YNZ	Nicaragua.
EAA-EHZ	Spain	Q	(Abbreviations.)	YSA-YSZ	Republic of El Salvador.
ELA-EIZ	Irish Free State.	RAA-RQZ	Union of Soviet Socialist Republics (U. S. S. R.)	YVA-YVZ	Venezuela.
ELA-ELZ	Liberia.		Persia.	ZAA-ZAZ	Albania.
ESA-ESZ	Estonia.		Republic of Panama.	ZBA-ZAZ	British colonies and protectorates.
ETA-ETZ	Ethiopia.		Lithuania.	ZKA-AMZ	New Zealand.
F	France and colonies and protectorates.		Sweden.	ZPA-ZPZ	Paraguay.
G	Great Britain.		Poland.	ZSA-ZUZ	Union of South Africa.
HAA-HAZ	Hungary.		Egypt.		
HBA-HBZ	Switzerland.		Greece.		
HCA-HCZ	Ecuador.		Turkey.		
HHA-HHZ	Haiti.		Iceland.		
HIA-HIZ	Dominican Republic.		Guatemala.		
HJA-HKZ	Colombia.		Costa Rica.		
HRA-HRZ	Honduras.		Territory of the Saar.		
HSA-HSZ	Siam.		Hedjaz.		
HVA-HVZ	Vatican City.		Dutch East Indies.		
I	Italy and colonies.		Luxemburg.		
J	Japan.		Kingdom of Serbs, Croats and Slovenes (Yugoslavia).		
K	United States of America.		Austria.		
LAA-LNZ	Norway.		Canada.		
LOA-LVZ	Argentina.		Australia.		
LZA-LZZ	Bulgaria.				
M	Great Britain.				
N	United States of America.				

Provisionally.

The call signals assigned to the United States are all 3, 4, and 5 letter combinations, beginning with the letters K, N, and W. Call signals of three letters allocated to the United States are reserved for stations open to International public and limited commercial service. All 5-letter combinations are allocated for assignment to aircraft stations.

During the World War, the groups of three letters beginning with K, N, and W were exhausted, and it was necessary to assign groups of four letters beginning with K, N, and W.

Around-the-Clock Listening Guide

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 partic-

ularly 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.

A Word About Short-Wave 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 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.

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, 26.55, 17.70	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	KFWH	W. W. Horne, Poinsettia	37
KAL	Legaspi, P. I.	64.31, 50.34				KFJD	M. & R. Lumber Co., Wandering	129.3
KAM	Pasay, P. I.	53.39, 46.5, 26.69						109.5
KAQ	Manila R. R., Manila, P. I.	50.59	KDNY	Favorite		KFKW	Inland Waterways, Spray III Light Co., Underwood, Wash.	94.9, 94.8, 94.6, 94.4, 94.2, 92.65, 92.5
KAS	Surigao, P. I.		KDOT	Admiral Line, Pres. Jefferson	54.3, 54, 45.52, 36.01, 27.15, 26.71, 18.09, 18.007, 13.57	KFLF	Rippers	54.3, 54, 36.19
KAW	Govt., Aparri, P. I.	62.96, 56.88, 45.45				KFLT	Iowa	96.15, 71.94, 48.30, 48.23
KAX	R. C. A., Manila, P. I.	15.95, 15.01						
KAY	R. C. A., Manila, P. I.	20.03	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	KFM	Amer. Radio, Inc., Sacramento, Calif.	94.5, 94.75, 94.57, 94.39, 53, 53.86
KAZ	R. C. A., Manila, P. I.	30.09, 30.03				KFMC	Illinois	96.15, 71.94, 48.30, 48.23
KBI	R. C. A., Manila, P. I.	14.19	KDPA	Pres. Jackson		KFMD	Gulfport	96.15, 71.94, 48.30, 48.23
KBJ	R. C. A., Manila, P. I.	22.66	KDQW	Cairo	96.15, 71.94, 48.30, 48.23	KFME	Birmingham	96.15, 71.94, 48.30, 48.23
KBK	R. C. A., Manila, P. I.	44.84, 44.91				KFMJ	Mobile	96.15, 71.09, 48.30, 48.23
KBO	Govt., Manila, P. I.	58.31, 19.987	KDQX	St. Louis	96.15, 71.94, 48.30, 48.23	KFO	Amer. Radio, Inc., Oakland, Calif.	120.87, 119.71, 94.9, 94.75, 94.57, 94.39, 72.74, 53.86, 53, 48.27
KBQ	Manila R. R., Naga, P. I.	50.59	KDRW	Dollar SS., Pres. Taft	35.50, 26.43, 18.18	KFPA	Boston Fire Dept., F. A. Ring	187.9
KBT	Butuan, P. I.	52.83	KDSB	E. T. Bedford		KFPB	Matthew J. Boyle	192.55
KCAA	D. of C., Tulsa, Okla.	89.8, 89, 51.50, 50.34	KDSC	Vicksburg	96.15, 71.93, 48.20, 48.23	KFPC	Boston Fire Dept., A. J. McDonald	187.9
KCAC	D. of C., Butte, Mont.	89, 89.8, 50.59, 50.51				KFPD	Boston Fire Dept., J. P. Doud	187.9
KCAD	D. of C., Idaho Falls, Idaho	89, 89.11, 50.51, 50.36	KDSL	Amer. Mail, Pres. McKinley	54.3, 13.357	KFPI	Capt. J. W. McKeen	87.7, 46.95
KCAE	D. of C., Winslow, Ariz.	89, 88.3, 50.51, 50.34	KDSV	Dollar SS., Pres. Wilson	35.50, 26.43, 18.18	KFQ	Globe Radio, Guam	40.29, 20.15, 13.239
KCAF	D. of C., Albuquerque, N. M.	89, 88.35, 50.51, 50.54	KDTE	Betty B.	54.3, 54, 36.01	KFR	Light Dept., Seattle, Wash.	94.9, 94.8, 94.6, 94.4, 94.2, 92.65, 92.5
KCAH	D. of C., Kingman, Ariz.	89, 88.8, 50.51, 50.31	KDTF	American Legion		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
KCAI	D. of C., Waynoka, Okla.	89, 88.3, 50.51, 50.34	KDTM	Munson, Southern Cross	54.2, 13.375	KFSX	Warrior	36.19, 35.50, 27.15, 27, 26.51, 22.66
KCAJ	D. of C., Little Rock, Ark.	89.6, 89, 50.51, 50.34	KDTU	Pres. Grant	54.2, 13.375	KFT	Pacific Com. Co., Everett, Wash.	96.61, 96.15, 54.35, 36.23, 34.72, 27.17, 129.3
KCAK	D. of C., Shreveport, La.	89, 88.63, 50.68, 50.54	KDUY	Dollar SS., Pres. Lincoln	35.50, 26.43, 18.18	KFTU	Catalina	
KCAP	D. of C., Big Spring, Tex.	89, 87.98, 50.51, 50.37	KDV	Ger. Exp. Co., 3rd Rdo. Zone, No. 40	176.06	KFUH	Alameda, Calif.	54.3, 54, 36.19
KCAO	D. of C., El Paso, Tex.	89, 87.98, 50.51, 50.37	KDVR	Amer. Mail, Pres. Madison	54.3, 13.357	KFV	Kaimiloa	146.3
KCAQ	D. of C., St. Louis, Mo.	89, 88.36, 50.51, 50.34	KDVB	Baton Rouge	96.15, 71.94, 48.30, 48.23	KFWJ	Idalia	87.3, 72.3, 47.81, 28.4
KCR	D. of C., Boise, Idaho	100.94, 89, 88.4, 50.51	KDWH	Memphis	96.15, 71.94, 48.30, 48.23	KFWJ	Gallivant	110
KCS	D. of C., Pasco, Wash.	89, 88.11, 50.51, 50.36	KDWL	U. S. Steel, Steel Navigator	54.3, 54, 45.52, 45.42, 36.19, 35.5, 27.15, 27, 22.66, 18.094	KFX	Shadow K	54.3, 54, 35.5
KCT	D. of C., Los Angeles, Calif.	89.6, 89, 50.68, 50.51	KDWR	Invader	54.30	KFY	Humble Oil, Tex. & La., No. 15	176.06
KCU	D. of C., Fresno, Calif.	89.6, 89, 50.68, 50.51	KDWS	Pres. Roosevelt		KFYX	Seaborn	54.3, 36.19, 36.01, 27.15, 27, 26.71, 22.66, 18.09, 13.67
KCV	D. of C., Oakland, Calif.	89.4, 89, 50.59, 50.51	KDWU	Fortuna	54.3, 54, 53.42, 45.52, 45.42, 36.19, 36.01, 27.15, 27	KFTF	Catalina	
KCX	D. of C., Medford, Ore.	89.6, 89, 50.68, 50.51				KFUH	Alameda, Calif.	54.3, 54, 36.19
KCY	D. of C., Portland, Ore.	89.6, 89, 50.68, 50.51	KDX	Ger. Exp. Co., 3rd Rdo. Zone, No. 39	176.06	KFV	Kaimiloa	146.3
KCZ	D. of C., Seattle, Wash.	89.6, 89, 50.68, 50.51	KEB	R. C. A., Bolinas, Calif.	40.71	KFWJ	Idalia	87.3, 72.3, 47.81, 28.4
KDA	D. of C., Maywood, Ill.	89, 88.8, 50.51, 50.42	KEE	R. C. A., Bolinas, Calif.	38.85	KFWJ	Gallivant	110
KDAF	Coppeneau		KEFZ	States SS. Co., Texas	54.3, 35.50, 27.15, 26.71, 18.09, 18.007, 13.57, 35.50, 26.43, 18.18	KFX	Shadow K	54.3, 54, 35.5
KDAH	United Fruit Co., Heredia	87.51, 54.3, 35.34, 26.71	KEG	Vancouver, Wash.	119.71, 99.7, 91.29, 71.63, 53.72, 50.03	KFY	Humble Oil, Tex. & La., No. 15	176.06
			KEGF	City of Hamburg	54.3, 13.5	KFYX	Seaborn	54.3, 36.19, 36.01, 27.15, 27, 26.71, 22.66, 18.09, 13.67
			KEGS	Michigan	54.27, 17.794, 45.52	KFZQ	Robador	36.19, 35.50, 27.15, 27
			KEH	Borger, Tex.	59.11, 68.99, 51.9, 51.76, 51.63	KFZT	Mizpah	
			KEI	R. C. A., Bolinas, Calif.	28.240	KGA	Humble Oil, Tex. & La., No. 16	176.06
			KEJ	R. C. A., Bolinas, Calif.	33.29	KGAA	Aras	36.19, 35.5
			KEK	M. R. T., Hillsboro, Ore.	63.09, 54.3, 45.73, 27.15, 26.50, 18.09, 13.85, 13.57	KGAT	J. H. Ogerfelder, Marj. III	53.42, 36.01
			KEKL	Saguadro		KGAW	Haligonian	54.3, 54, 35.5
			KEL	R. C. A., Bolinas, Calif.	43.73	KGBB	Ivaner	109.5
			KEM	R. C. A., Bolinas, Calif.	19.36	KGBJ	Trans. Co., John N. Stewart	109.5
			KEN	R. C. A., Bolinas, Calif.	43.82	KGBT	Enechantress	
			KEQ	R. C. A., Hukukii, P. I.	44.56	KGCW	Fan Kwai	109.5
			KER	R. C. A., San Francisco, Calif.	28.84	KGD	D. of C., Salt Lake City, Utah	89.3, 89, 50.51, 50.48
			KES	R. C. A., Bolinas, Calif.	28.80	KGDF	Ervin V.	110
			KET	R. C. A., Bolinas, Calif.	31.55	KGDO	Petaluma	
			KEU	Aero Radio, Inc., Los Angeles, Calif.	94.9, 94.75, 94.57, 94.39, 53.86, 53	KGDU	Four Winds	54.3, 36.19, 27.15, 22.66, 18.09, 17.79
			KEZ	R. C. A., Bolinas, Calif.	28.846	KGE	Aero Radio, Inc., Melford, Ore.	94.9, 94.75, 94.57, 94.39, 53.86, 53
			KFBO	Ara, W. K. Vanderbilt	54.3, 54, 36.19, 27.15, 27, 26.71	KGEB	Trans. Co., Milton Patrick	109.1
			KFD	Temooke, Alaska	94.57	KGEC	Trans. Co., D. M. Renton	109.5
			KFE	Ponca City, Okla.	45.43	KGEG	Northern Light	54.3, 54, 36.01, 22.66, 18.067
			KFEH	Seward	115	KGF	Globe Wireless	
			KFF	Tex. & La., No. 13, Humble Oil	176.06	KGFO	Musselrich, Calif.	40.38
			KFG	Tex. & La., No. 14, Humble Oil	176.06	KGFS	A. & P., Nakan, No. 7	129.3
KDMR	U. S. Miller					KGFS	Yoreda	1C9
KDMW	Dollar SS., Pres. Hoover							
KDMX	Dollar SS., Pres. Coolidge							
KDN	D. of C., Rock Springs, Wyo.	89, 88.8, 50.51, 50.48						

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KGK	Globe Wireless Musselrich, Calif.	40.29	KGQ	Dollar Co., San Francisco, Calif.	40.29, 31.88, 27.45, 20.15, 16.94, 13.21	KGUB	Aero Radio, Inc., Houston, Tex.	128.97, 127.98, 72.46, 47.92, 47.8
KGGL	Lolanthé	129.8, 69.56, 34.76	KGQE	Einar Beyer, America	123.55, 121.3	KGUD	Aero Radio, Inc., San Antonio, Tex.	128.97, 127.08, 72.46, 47.92, 47.89
KGH	M. R. T. Co., Hillsboro, Cal.	96.61, 96.15, 54.34, 48.31, 47.92, 27.17, 26.95, 18.116, 13.777, 13.587	KGQH	Inland W. W., James W. Good	87.7, 40.05	KGUE	Aero Radio, Inc., Brownsville, Tex.	128.97, 47.8
KGJ	Globe Wireless, Calif.	31.88	KGQJ	Chicken of the Sea	54.3, 54, 36.19, 35.5, 27.15, 26.71, 22.66	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
KGJB	Market Service, Indio	92.3, 70.67, 55.92, 34.05, 29.97	KGQK	Inland W. W., Patrick J. Hurley	87.7, 46.04	KGUG	Aero Radio, Inc., Big Springs, Tex.	129.53, 127.33, 92.8, 92.52, 92.09, 87.02, 53.29, 45.8, 47.92, 47.89
KGJG	State Dept., Modesto, Calif.	92.3, 70.67, 55.92, 34.05, 29.97	KGQN	Freetas, Navigator	54.3, 36.19, 35.5	KGUH	Aero Radio, Inc., Waco, Tex.	128.97, 127.98, 72.46, 47.92, 47.89
KGJI	Market Serv., Fresno, Calif.	92.3, 70.67, 55.92, 34.05, 29.97	KGQS	Vilech	36.19, 17.794	KGUI	Aero Radio, Inc., Fort Worth, Tex.	94.9, 94.75, 94.57, 94.39, 53.86, 53
KGJK	A. H. Bull, SS., Jeanette	129.3	KGQT	Wm. J. Gaynor, City of N. Y.	187.9	KGUJ	Aero Radio, Inc., Burbank, Calif.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.8
KGJJ	Pilot Assn., San Francisco, Calif.	122.6	KGQU	Silvera	36.01	KGUK	Aero Radio, Inc., Shreveport, La.	86.10, 53.20
KGJL	3rd Radio Zone, No. 47	176.06	KGQV	Tipperman	54.3, 27.15	KGUL	Aero Radio, Inc., Abilene, Tex.	86.10, 53.29
KGJM	3rd Radio Zone, No. 46	176.06	KGQZ	Trooperman	54.3, 27.15	KGUM	Aero Radio, Inc., Frijole, Tex.	128.97, 127.97, 86.10, 72.46, 53.29, 47.92, 47.80
KGJN	Ger. Exp. Co., 3rd Radio Zone, No. 45	176.06	KGR	Globe Wireless, Edmonds, Wash.	40.38, 40.29, 31.88, 27.45, 20.19, 20.15, 15.94, 13.29	KGUN	Aero Radio, Inc., Douglas, Ariz.	128.97, 127.98, 86.10, 72.46, 53.57, 53.29, 47.92, 47.80
KGJO	Ger. Exp. Co., 3rd Radio Zone, No. 44	176.06	KGRB	Invincible	117.2	KGUO	Aero Radio, Inc., Tucson, Ariz.	86.10, 53.26
KGJP	Ger. Exp. Co., 3rd Radio Zone, No. 43	176.06	KGRD	Inland W. W., Tennessee	96.22, 54.3, 54, 36.01	KGUP	Amer. Radio, Inc., Phoenix, Ariz.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGJQ	Ger. Exp. Co., 3rd Radio Zone, No. 42	176.06	KGRJ	Indiana	96.21, 54.3, 54, 36.01	KGUQ	Aero Radio, Inc., Indio, Calif.	128.97, 127.98, 86.10, 72.46, 53.28, 47.92, 47.80, 24.57
KGJW	P. A. A., Brownsville, Tex.	72.74, 46.91, 112.7	KGRK	Louisiana	96.21, 54.3, 54, 36.01	KGUR	Aero Radio, Inc., Burbank, Calif.	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
KGJX	Police, Pasadena, Calif.	175.23	KGRM	St. Veronica	54.3, 54, 36.01	KGUS	Aero Radio, Inc., Blythe, Calif.	128.57, 127.08, 72.49, 47.92, 47.81
KGK	Globe Wireless, Musselrich, Calif.	27.45	KGRP	Santramaro	54.3, 54, 36.19	KGUV	Nyae, Alaska	94.9
KGKD	Air Lines, Santa Maria, Cal.	185.94, 127.98, 62.69	KGRS	Parthenie S. S.	54.3 to 27.61	KGUV	Cont. Oil Co., No. 3	187.5, 181.6, 180.29, 178.6, 176.06
KGKN	Forestry Div., Calif.	62.76, 34.97	KGRW	Pilot Ship, Adventurers, San Fran.	117.2	KGVD	Press Wireless, Denver, Colo.	63.49
KGKP	Forestry Div., Wash.	62.76, 34.97	KGRX	Defender	54.3, 36.19, 35.50	KGVE	Press Wireless, Los Angeles, Calif.	60.66, 56.33
KGKR	3rd Zone, No. 48	176.06	KGS	Dollar Co., Honolulu, T. H.	40.38, 40.39, 31.88, 27.45, 20.19, 20.15, 15.94, 13.25	KGWG	Press Wireless, Seattle, Wash.	63.35
KGKS	3rd Radio Zone, No. 49	176.06	KGSB	Aero Radio, Inc., Oakland, Calif.	97.7, 86.7, 47.24, 27.43, 24.63	KGWH	Press Wireless, Salt Lake City, Utah	60.91
KGKT	3rd Radio Zone, No. 50	176.06	KGSC	Aero Radio, Inc., Okla. City, Okla.	97.7, 86.7, 47.24, 27.43, 24.63	KGWI	Lusitania	54.3, 54, 36.19
KGKU	3rd Radio Zone, No. 51	176.06	KGSP	Aero Radio, Inc., Lordsburg, N. Mex.	120.87, 86.7, 52.72, 46.8	KGWJ	Alt. B. C. Co., Calif.	196.59
KGKV	Humboldt Oil, No. 16	187.27, 17E.47	KGSR	Amer. Radio Inc., Pueblo, Colo.	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.24, 37.43	KGWK	Press Wireless, Kansas City, Mo.	60.30
KGKX	Globe Wireless, Musselrich, Calif.	20.19	KGST	Gulf Prod. Co., Portable	187.5, 181.6, 180.29, 178.6, 178.08	KGWL	Press Wireless, Denver, Colo.	63.49
KGKY	Ketchikan, Alaska	129.3, 94.9	KGTT	Aero Radio, Inc., Fresno, Calif.	94.85, 94.55, 53.835, 53.74, 52.98	KGWM	Press Wireless, Los Angeles, Calif.	60.66, 56.33
KGKZ	Texas, Ia. & Okla., Portable	175	KGTV	Aero Radio, Inc., Winslow, Ariz.	110.21, 109.72, 97.7, 97.53, 73.02, 54.15, 47.27, 37.43	KGWN	Press Wireless, Beverly Hills, Calif.	196.59
KGK1	Texas, Ia. & Okla., Portable	175	KGTA	Aero Radio, Inc., Watertown, S. Dak.	94.86, 94.56, 94.26, 53.83, 53.74, 52.98	KGWO	Export SS. Co., Escalibur	54.3, 54, 36.19, 35.5, 27.15, 27, 22.66, 18.094
KGK2	Texas, Ia. & Okla., Portable	175	KGTB	Aero Radio, Inc., Texarkana, Ark.	129.53, 37.43	KGWP	Press Wireless, Dallas, Tex.	63.22
KGK3	Texas, Ia. & Okla., Portable	175	KGTC	Aero Radio, Inc., Waterloo, S. Dak.	94.86, 94.56, 94.26, 53.83, 53.74, 52.98	KGWQ	Press Wireless, Kansas City, Mo.	60.30
KGK4	Texas, Ia. & Okla., No. 7	175	KGTD	Aero Radio, Inc., Wichita, Kans.	97.71, 97.52, 54.15	KGWR	Press Wireless, Denver, Colo.	63.49
KGK5	Texas, Ia. & Okla., No. 8	175	KGTE	Aero Radio, Inc., Wichita, Kans.	94.9, 94.75, 94.54, 84.39, 92.26, 53.86, 53	KGWS	Press Wireless, Los Angeles, Calif.	60.66, 56.33
KGK6	Texas, Ia. & Okla., No. 9	175	KGTF	Aero Radio, Inc., San Diego, Calif.	129.53, 37.43	KGWT	Export SS. Co., Escalibur	54.3, 54, 36.19, 35.5, 27.15, 27, 22.66, 18.094
KGK7	Texas, Ia. & Okla., No. 10	175	KGTG	Aero Radio, Inc., Sioux Falls, S. Dak.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98	KGWU	Rajo	54.3, 54, 45.21, 36.10, 36.01, 35.5, 27.15, 27
KGK8	Texas, Ia. & Okla., No. 11	175	KGTH	Aero Radio, Inc., Salt Lake City, Utah	110.21, 109.72, 97.71, 97.52, 73.02, 54.15, 47.02, 37.43	KGWV	Fox Films, Beverly Hills, Calif.	196.59
KGK9	Atlantic	54.3, 54, 39.19, 27.15, 27	KGTI	Aero Radio, Inc., Las Vegas, Nev.	110.21, 109.72, 97.71, 97.52, 73.02, 54.15, 47.24, 37.43	KGWW	Fox Films, Beverly Hills, Calif.	193.30, 192.80
KGK10	Patria	54.3, 54, 36.19, 27.15, 27	KGTL	Aero Radio, Inc., Kingman, Ariz.	110.21, 109.72, 97.71, 97.53, 73.02, 54.15, 47.24, 37.42	KGWX	Dollar Co., Los Angeles, Calif.	40.38, 40.29, 31.88, 27.45, 20.19, 20.15, 15.94, 13.25
KGK11	F. F. F.	54.3, 54, 33.01, 27.15, 27	KGTM	Aero Radio, Inc., Sioux City, Ia.	94.86, 94.56, 94.26, 53.85, 53.74, 52.98	KGX	Mutual Tel., Okau Is., Hawaii	7.56
KGK12	Wilm. Trans., Jimmie K.	118.85, 117.18, 115.65	KGTO	Aero Radio, Inc., Las Vegas, Nev.	103.24, 97.64, 97.32, 95.15, 54.45, 54.15, 52.89, 52.17	KGXA	Mutual Tel., Okau Is., Hawaii	6.494
KGK13	Western Radio Co., Crane, Tex.	59.11, 58.99, 51.90, 51.76, 51.63	KGTP	Aero Radio, Inc., U. S. Throughout	94.9, 94.75, 94.57, 94.39, 94.26, 53.85, 53			
KGK14	Western Radio Co., Wink, Tex.	59.11, 58.99, 51.9, 51.76, 51.03	KGTR	Aero Radio, Inc., Springfield, Mo.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63			
KGK15	Western Radio Co., Jal., N. Mex.	59.11, 58.99, 51.9, 51.76, 51.03	KGTS	Aero Radio, Inc., St. Louis, Mo.	97.3, 86.5, 54.44, 47.13, 37.43, 24.63			
KGK16	Doris F.	129.31, 123.65	KGTT	Aero Radio, Inc., Omaha, Neb.	129.53, 37.43			
KGK17	Gulf Prod., Western States	176.06	KGTV	Aero Radio, Inc., Cheyenne, Wyo.	103.23, 97.63, 97.32, 97.15, 54.43, 54.15, 52.88, 52.7			
KGK18	Brant	129.3, 54.3, 53.42						
KGK19	Alaska Fisheries, Yes Bay	129.31						
KGK20	Oakland, Calif.							
KGK21	Canada	118.85, 117.18, 116.09						
KGK22	Wilmington, Trans., Listo	118.85, 117.18, 116.09						
KGK23	Listo	118.85, 117.18, 116.09						
KGK24	Wilmington Trans. Co., Vivo	118.85, 117.18, 116.09						
KGK25	F. P. C., No. 2	54.3, 54						
KGK26	Zaca	36.19, 35.50, 27.15, 26.71, 22.66, 18.094						
KGK27	David B.	94.22						
KGK28	Honolulu, Hawaii	115.55, 105.12						
KGK29	Mauna, Hawaii	115.55, 105.12						
KGK30	Infanta							
KGK31	Police, Cedar Rapids, Ia.	121.5						
KGK32	Alaska Fishing Co., Alaska	129.3, 94.75						
KGK33	Police, Seattle, Wash.	124.27						
KGK34	Police, Minneapolis, Minn.	124.17						
KGK35	Police, St. Louis, Mo.	122.24						
KGK36	Police, San Francisco, Calif.	124.5						
KGK37	Police, Kans. City, Mo.	123.89						
KGK38	Police, Vallejo, Calif.	123.86						
KGK39	Police, Okla. City, Okla.	122.44						
KGK40	Police, Omaha, Neb.	121.5						
KGK41	Police, Beaumont, Tex.	175.23						
KGK42	Police, Sioux City, Ia.	121.5						
KGK43	Police, Los Angeles, Calif.	175.23						
KGK44	Police, San Jose, Calif.	124.5						
KGK45	Police, Davenport, Ia.	121.5						
KGK46	Police, Tulsa, Okla.	122.4						
KGK47	Police, Portland, Ore.	122.85						
KGK48	Police, Honolulu, Hawaii	122.35						
KGK49	Police, Fort Worth, Kans.	175.23						
KGK50	Police, Bakersfield, Calif.	124.27						
KGK51	Police, Des Moines, Ia.	119.71						
KGK52	Police, Salt Lake City, Utah	121.5						
KGK53	Police, Denver, Colo.	123						
KGK54	Police, Shreveport, La.	190.6						
KGK55	Police, Wichita, Kans.	122.4						

Table with columns: Call Letters, Location, Wavelength (meters), Call Letters, Location, Wavelength (meters), Call Letters, Location, Wavelength (meters). It lists various radio stations and their frequencies across multiple columns.

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KKC	Fed. T. & T., Palo Alto, Calif.		KNS	Geo. Exp. Co., 3rd Radio Zone, No. 18	176.06		Edmonds, Wash.	96.61, 95.15, 54.35, 48.31, 46.8, 31.23, 34.52, 27.17, 26.56, 24.15, 24.01, 18.116, 17.921, 13.652, 13.578
KKD	Geo. Exp. Co., 3rd Rdo. Zone No. 35	176.06	KNT	Geo. Exp. Co., 3rd Radio Zone, No. 17	176.06			
KKF	Geo. Exp. Co., 3rd Rdo. Zone No. 34	176.06	KNU	Geo. Exp. Co., 3rd Radio Zone, No. 16	176.06			
KKH	R. C. A., Honolulu, Hawaii	40.45	KNV	D. of C., Burley, Idaho	89.6, 89, 50.51, 50.35	KSB	Geo. Exp. Co., 3rd Radio Zone, No. 29	176.06
KKJ	Fort Worth, Texas	89, 89.6, 60.51, 60.34	KNW	M. R. T. Co., Palo Alto, Calif.	44.02, 14.03	KSE	R. C. A., Torrance, Calif.	96.61, 96.15, 54.35, 54.05, 36.23, 35.63, 27.17, 26.81, 24.16, 22.94, 18.116, 13.587, 13.468
KKL	R. C. A., Bolinas, Calif.	19.386	KNWA	Aero Radio Corp., Minneapolis, Minn.	119.94, 99.86, 55.81			
KKO	Aero Radio, Inc., Elko, Nev.	119.7, 99.7, 91.2, 71.5, 63.7, 60.08		Aero Radio Co., Fargo, N. D.	111.94, 99.89, 55.18			
KKP	R. C. A., Kohuku, Hawaii	21.89	KNWB	Aero Radio Corp., Penobscot, N. D.	119.94, 99.86, 55.81	KSF	Ponca City, Okla.	187.27, 184.28, 178.99, 176.47
KKQ	R. C. A., Bolinas, Calif.	25.10	KNWC	Aero Radio, Inc., Bismark, N. D.	112.2.44, 112.27, 106.11, 99.83, 55.79	KSG	D. of C., Cheyenne, Wyo.	89.2, 89, 50.52, 50.51
KKR	R. C. A., Bolinas, Calif.	19.40				KSI	Aero Radio, Inc., Los Angeles, Calif.	110.3, 109.8, 103.23, 97.63, 97.32, 97.15, 72.99, 54.45, 52.88, 52.7, 46.08, 46.01, 45.96
KKS			KNY	Geo. Exp. Co., 3rd Radio Zone, No. 12	176.06			
KKU	Geo. Exp. Co., 3rd Rdo. Zone No. 33	176.06	KNZ	Geo. Exp. Co., 3rd Radio Zone, No. 11	176.06			
KKV	Geo. Exp. Co., 3rd Rdo. Zone No. 32	176.06	KOC	D. of C., Sacramento, Calif.	89.8, 89, 60.53, 60.51			
KKW	R. C. A., Bolinas, Calif.	19.42	KOD	Geo. Exp. Co., 3rd Radio Zone, No. 10	176.06	KSM	Globe Wireless, Los Angeles, Calif.	96.61, 96.15, 54.35, 48.31, 46.8, 36.23, 34.52, 27.17, 26.56, 24.15, 24.1, 18.116, 17.921
KKX	Geo. Exp. Co., 3rd Rdo. Zone No. 31	176.06	KODZ	U. S. S. B., Bangou, Aero Radio, Inc.	120.87, 119.71, 94.9, 94.75, 94.57, 72.74, 53.86, 53, 48.27, 48.15			
KKY	Geo. Exp. Co., 3rd Rdo. Zone No. 30	176.06	KOE			KSO	D. of C., Pleasant Valley, Nev.	89.1, 89, 50.51, 50.46
KKZ	R. C. A., Bolinas, Calif.	21.91				KSR	Fishing Co., Tyee, Alaska	123.56
KLA	Humble Oil, Texas & La.	176.06	KOF	Geo. Exp. Co., 3rd Radio Zone, No. 5	176.06	KSS	R. C. A., Bolinas, Calif.	14.40
KLC	Shell Co., Calif.	109.4	KOG	Tel. Co., Honolulu, T. H.	74.9, 71.2, 67.34, 51.37, 18.09, 17.75	KST	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
KLE	Humble Oil, Tex. & La., No. 11	176.06	KOL	Geo. Exp. Co., 3rd Radio Zone, No. 4	176.06			
KLG	Humble Oil, Tex. & La., No. 9	176.06	KOJ	D. of C., Reno, Nevada	89, 88.8, 50.51, 50.35	KSV	Aero Radio, Inc., Amarillo, Tex.	110.3, 109.8, 103.23, 97.63, 97.32, 87.15, 72.99, 54.15, 52.58, 52.7, 46.08, 46.01, 45.94
KLH	P. T. & T. Co., San Francisco, Calif.	118.01	KOJR	Chickasaw	Various			
KLI	Humble Oil, Tex. & La., No. 8	176.06	KOK	M. R. T. Clearwater, Calif.		KSW	Police, Berkeley, Calif.	123.86
KLK	D. of C., Reno, Nevada	89, 88.8, 50.51, 50.35	KOML	Herman F. Whinton	129.3	KSX	Aero Radio, Inc., Albuquerque, N. M.	46.08, 46.01, 45.94, 110.3, 109.8, 103.23, 97.63, 97.32, 87.15, 72.99, 54.15, 52.88, 52.7
KLL	R. C. A., Bolinas, Calif.	21.85	KON	Union Bay, Alaska	19.07			
KLN	Mutual Tel., Hilo, T. H.	52.45, 72.39	KOP	Press Wireless, San Francisco, Calif.	19.07	KSY	Aero Radio, Inc., Tulsa, Okla.	97.7, 97.52, 97.33, 97.16, 86.7, 54.45, 54.15, 47.24, 37.43, 24.03
KLT	Humble Oil, Tex. & La., No. 10	176.06	KOQ	Press Wireless, San Francisco, Calif.	19.07			
KLU	Flagstaff, Ariz.	147	KOS	Press Wireless, Los Angeles, Calif.	18.89			
KLV	Flagstaff, Calif.	147	KOT	Geo. Exp. Co., 3rd Radio Zone Sou. Cal. Tel. Co.	176.06			
KLW	Port Althrop, Alaska		KOU	Wilmington, Calif.	115.83			
KLY	Humble Oil, Tex. & La., No. 7	176.06	KOW	P. T. & T. Co., Edmonds, Wash.	118.57			
KMD	Humble Oil, Tex. & La., No. 6	176.06	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			
KME	D. of C., Storerell, Idaho	89.6, 89, 50.51, 50.35	KPG	Press Wireless, Los Angeles, Cal.	39.35	KTO	R. C. A., Manila, P. I.	27.5, 18.47
KMF	Egegik, Alaska	94.22	KPH	R. C. A., Bolinas, Calif.	54.3, 46.58, 33.89, 27.16, 23.96, 23.50, 18.10, 18.09, 13.67, 13.64	KTP	R. C. A., Manila, P. I.	37.59, 36.95
KMI	Humble Oil, Tex. & La., No. 5	176.06	KPI	Cebu, P. I.	43.5	KTR	R. C. A., Manila, P. I.	27.5
KML	Libby Fishing, Lockanok, Alaska	94.22	KPM	Haito, P. I.	44	KTS	Govt., Toling, P. I.	42.8
KMM	R. C. A., Bolinas, Calif.	14.43	KQC	Amer. Radio, Inc., Rock Springs, Wyo.	94.9, 94.75, 94.57, 94.39, 53.86, 53	KTT	Drier Bay, Alaska	86.55
KMN	San Francisco, Calif.	61.69	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	KTV	Aero Radio, Inc., Redding, Calif.	94.9, 94.75, 94.57, 94.39, 53
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	KQG	R. C. A., Bolinas, Calif.	16.667	KTY	M. R. T., Manila, P. I.	53.68, 26.84, 17.89, 17.04
KMR	Aero Radio, Inc., North Platte, Neb.	94.9, 94.75, 94.57, 94.39, 53.86, 53	KQH	R. C. A., Kahuku, T. H.	15.77	KTZ	Naknek, Alaska	39.45
KMS	Humble Oil, Tex. & La., No. 4	176.06	KQJ	R. C. A., Bolinas, Calif.	16.61	KUFN	Steel Voyager	50.885
KMV	W. A. E., Bardin, Calif.	49.5	KQK	D. of C., Oklahoma City, Okla.	89.5, 89, 50.51, 50.34	KUG	Govt., Dast, P. I.	44
KMX	Humble Oil, Tex. & La., No. 3	176.06	KQL	Hidden Inlet, Alaska	129.3	KUH	Manila, P. I.	60.55
KMY	Humble Oil, Tex. & La., No. 2	176.06	KQM	Aero Radio, Inc., Des Moines, Iowa	94.9, 94.75, 94.57, 94.39, 53.86, 53	KUI	Govt., Balanga, P. I.	54.3, 35.5, 27.15, 26.71, 18.09, 18.007
KMZ	Humble Oil, Tex. & La., No. 1	176.06	KQP	Minneapolis, Minn.	97.7, 46.05	KUKV	States, S. S. Co., California	16.61
KNA	M. R. T. Co., Palo Alto, Calif.	68.24, 68.14, 50.20, 50.147	KQQ	Aero Radio, Inc., Iowa City, Iowa	94.9, 94.75, 94.57, 94.39, 53.86, 53	KUN	R. C. A., Bolinas, Calif.	53.71, 45.94, 39.45, 28.85, 18.23, 45.58, 35.93, 26.46, 17.964, 13.498
KNAS	Aero Radio, Inc., Kansas City, Mo.	94.9, 94.79, 94.57, 94.30, 53.86, 53	KQR	R. C. A., Bolinas, Calif.	16.630	KUP	Newspaper, San Francisco, Calif.	
KNAT	Aero Radio, Inc., Dallas, Texas	94.75, 94.57, 94.39, 63.89, 53	KQS	Lone Pine, Calif.	94	KUS	Manila, P. I.	16.48
KNAU	Aero Radio, Inc., Tulsa, Okla.	94.9, 94.75, 94.57, 94.39, 53.86, 53	KQT	Market Service, Los Angeles, Calif.	94	KUU	Steamboat Bay, Alaska	90.8
KNAV	Aero Radio, Inc., Oklahoma City, Okla.	A1-2-3, 94.9, 94.75, 94.57, 94.39, 53.86, 53	KQX	Aero Radio, Inc., Bakersfield, Calif.	94.571, 63	KUV	Manila, P. I.	24.43
KNB	Texas Co., La., Miss. & Tex., No. 5	176.06	KQZ	R. C. A., Bolinas, Calif.	16.68	KUW	Manila, P. I.	32.93
KNC	Texas Co., La., Miss. & Tex., No. 15	176.06	KRA	Aero Radio Corp., Boise, Idaho	94.9, 94.75, 94.57, 94.39, 53.80, 53	KUX	Caysagan, P. I.	58.09
KND	Texas Co., La., Miss. & Tex., No. 16	176.06	KRB	State Agric., Salinas, Calif.	92.3, 70.67, 65.92, 39.34, 39.27	KUZ	Dollar S. S. Co., Manila, P. I.	53.97, 26.98, 17.99
KNE	Texas Co., La., Miss. & Tex., No. 18	176.06	KRC	D. of C., Parkville, Mo.	89.6, 89, 50.51, 50.34	KVB	D. of C., Pacific Coast	Var.
KNF	Texas Co., La., Miss. & Tex., No. 19	176.06	KRD	Aero Radio, Inc., Pasco, Wash.	94.9, 94.75, 94.39, 63.86, 53, 84.57	KVD	D. of C., Pacific Coast	Var.
KNG	Portable, Calif.	51.69	KRE	Aero Radio, Inc., Lincoln, Neb.	94.9, 94.75, 94.57, 94.39, 53.86, 53	KVE	D. of C., Pacific Coast	Var.
KNI	Wilmington, Calif.	114.9	KRF			KVH	D. of C., Pacific Coast	Var.
KNK	M. R. T., Palo Alto, Calif.	20.44, 20.39, 15.97, 15.25	KRG	State Dept., San Francisco, Calif.	92.3, 70.67, 65.92, 34.05, 26.97	KVI	Kings Mill, Texas	
KNL	Geo. Exp. Co., 3rd Radio Zone, No. 21	176.06	KRJ	State Dept., Sacramento, Calif.	92.3, 70.67, 65.92, 34.05, 29.97	KVJ	D. of C., Pacific Coast	Var.
KNM	Geo. Exp. Co., 3rd Radio Zone, No. 20	176.06	KRK	M. R. T. Co., Palo Alto, Calif.		KVK	D. of C., Pacific Coast	Var.
KNN	M. R. T., Honolulu, T. H.		KRM	State Dept., Los Angeles, Calif.	92.3, 70.67, 65.92, 34.05, 29.97	KVM	D. of C., North Platte, Neb.	88.1, 89, 50.56, 60.51
KNO	Libby Fishing, Nushagak, Alaska	94.22				KVO	Amer. Radio, Inc., Portland, Ore.	94.9, 94.75, 94.57, 94.39, 53.86, 53
KNQ	Geo. Exp. Co., 3rd Radio Zone, No. 19	176.06	KRO	R. C. A., Honolulu, T. H.	51.33	KVP	Police, Dallas, Texas	175.23
KNR	M. R. T., Clearwater, Calif.	96.61, 96.15, 54.35, 48.31, 46.84, 31.23, 18.116, 17.857, 13.746, 13.587	KRP	Salt Lake City, Utah	49.5	KVR	W. A. E., Las Vegas, Neb.	40.48
			KRR	Geo. Exp. Co., La. & Texas	176.06	KVT	Los Angeles, Calif.	147.6
			KSA	Globe Wireless		KVU	San Diego, Calif.	144.8
						KVUA	Lake Ormoc, Ford Motor Co.	54.3, 54, 36.01, 27.15, 27, 18.09, 18.07
						KVV	Libby Fishing, Koggingung, Alaska	94.22
						KVW	Light Dept., Seattle, Wash.	Var.
						KWA	M. R. T. Co., Palo Alto, Calif.	39.15
						KWB	M. R. T. Co., Palo Alto, Calif.	38.75
						KWC	M. R. T. Co., Palo Alto, Calif.	33.9

Table with 8 columns: Call Letters, Location, Wavelength (meters), Call Letters, Location, Wavelength (meters), Call Letters, Location, Wavelength (meters). The table lists various radio stations and their frequencies across the globe, including locations like Palo Alto, Calif.; Los Angeles, Calif.; Manila, P. I.; and Honolulu, Hawaii.

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
NRFV	U.S.C.G., Tamason		NROJ	U.S.C.G., C.G. 176		NRYM	U.S.C.G., C.G. 269	
NRFW	U.S.C.G., Saukee		NROK	U.S.C.G., C.G. 177		NRYD	U.S.C.G., C.G. 270	
NRGA	U.S.C.G., Aurora		NROL	U.S.C.G., C.G. 178		NRYF	U.S.C.G., C.G. 271	
NRGB	U.S.C.G., Argo		NROM	U.S.C.G., C.G. 179		NRYQ	U.S.C.G., C.G. 272	
NRGC	U.S.C.G., Calypso		NROO	U.S.C.G., C.G. 180		NRYS	U.S.C.G., C.G. 273	
NRGD	U.S.C.G., Daphne		NROP	U.S.C.G., C.G. 181		NRYU	U.S.C.G., C.G. 274	
NRGH	U.S.C.G., Hermes		NROQ	U.S.C.G., C.G. 182		NRYV	U.S.C.G., C.G. 275	
NRGJ	U.S.C.G., Icarus		NROU	U.S.C.G., C.G. 183		NRYW	U.S.C.G., C.G. 276	
NRGP	U.S.C.G., Persues		NROV	U.S.C.G., C.G. 184		NRYX	U.S.C.G., C.G. 277	
NRGS	U.S.C.G., Thetis		NROW	U.S.C.G., C.G. 185		NRYZ	U.S.C.G., C.G. 278	
NRHA	U.S.C.G., C.G. 100		NROX	U.S.C.G., C.G. 186		NRYA	U.S.C.G., C.G. 279	
NRHB	U.S.C.G., C.G. 101		NROY	U.S.C.G., C.G. 187		NRZA	U.S.C.G., C.G. 280	
NRHC	U.S.C.G., C.G. 102		NROZ	U.S.C.G., C.G. 189		NRZB	U.S.C.G., C.G. 281	
NRHD	U.S.C.G., C.G. 103		NRPA	U.S.C.G., Alert		NRZC	U.S.C.G., C.G. 282	
NRHF	U.S.C.G., C.G. 104		NRPB	U.S.C.G., Bonham		NRZD	U.S.C.G., C.G. 283	
NRHG	U.S.C.G., C.G. 105		NRPC	U.S.C.G., Ewing		NRZF	U.S.C.G., C.G. 284	
NRHH	U.S.C.G., C.G. 106		NRPD	U.S.C.G., McLane		NRZG	U.S.C.G., C.G. 285	
NRHJ	U.S.C.G., C.G. 107		NRPF	U.S.C.G., Morris		NRZH	U.S.C.G., C.G. 286	
NRHL	U.S.C.G., C.G. 109		NRPF	U.S.C.G., Montgomery		NRZJ	U.S.C.G., C.G. 287	
NRHM	U.S.C.G., C.G. 110		NRRR	U.S.C.G., C.G. 190		NRZK	U.S.C.G., C.G. 288	
NRHP	U.S.C.G., C.G. 112		NRRB	U.S.C.G., C.G. 191		NRZL	U.S.C.G., C.G. 289	
NRHQ	U.S.C.G., C.G. 115		NRRC	U.S.C.G., C.G. 192		NRZM	U.S.C.G., C.G. 290	
NRHR	U.S.C.G., C.G. 116		NRRD	U.S.C.G., C.G. 193		NRZO	U.S.C.G., C.G. 291	
NRHS	U.S.C.G., C.G. 117		NRRF	U.S.C.G., C.G. 194		NRZP	U.S.C.G., C.G. 292	
NRHU	U.S.C.G., C.G. 118		NRRH	U.S.C.G., C.G. 196		NRZQ	U.S.C.G., C.G. 293	
NRHV	U.S.C.G., C.G. 119		NRRJ	U.S.C.G., C.G. 197		NRZT	U.S.C.G., C.G. 295	
NRHW	U.S.C.G., C.G. 120		NRRK	U.S.C.G., C.G. 198		NRZV	U.S.C.G., C.G. 298	
NRHX	U.S.C.G., C.G. 121		NRRL	U.S.C.G., C.G. 199		NRZW	U.S.C.G., C.G. 299	
NRHY	U.S.C.G., C.G. 122		NRRM	U.S.C.G., C.G. 200		NRZZ	U.S.C.G., C.G. 300	
NRHZ	U.S.C.G., C.G. 123		NRRP	U.S.C.G., C.G. 202		NRYA	U.S.C.G., C.G. 301	
NRHA	U.S.C.G., C.G. 124		NRRQ	U.S.C.G., C.G. 203		NRYB	U.S.C.G., C.G. 302	
NRIB	U.S.C.G., C.G. 125		NRRS	U.S.C.G., C.G. 201		NSS	Annapolis, Md.	33.82
NRIC	U.S.C.G., C.G. 127		NRRU	U.S.C.G., C.G. 205		NUDG	U.S.S. Ranger	
NRID	U.S.C.G., C.G. 128		NRRV	U.S.C.G., C.G. 206		NUDN	U.S.S. Patoka	
NRIF	U.S.C.G., C.G. 129		NRRW	U.S.C.G., C.G. 207		NUMM	U.S.S. Litchfield	
NRIG	U.S.C.G., C.G. 130		NRRX	U.S.C.G., C.G. 208		NUQR	U.S.S. Pope	
NRIH	U.S.C.G., C.G. 131		NRRY	U.S.C.G., C.G. 209		NUQS	U.S.S. Pillsbury	
NRIJ	U.S.C.G., C.G. 132		NRRZ	U.S.C.G., C.G. 210		NUXB	U.S. Customs Patrol 538	88.62
NRIK	U.S.C.G., C.G. 133		NRUA	U.S.C.G., Champlain		NUXC	U.S. Custom Patrol 522	88.62
NRIL	U.S.C.G., C.G. 134		NRUB	U.S.C.G., Chelan		NVMAB	Aircraft on U.S.S. Texas	
NRIM	U.S.C.G., C.G. 135		NRUD	U.S.C.G., Takoo		NVMAC	Aircraft on U.S.S. Cincinnati	
NRIO	U.S.C.G., C.G. 136		NRUF	U.S.C.G., Mendota		NVMAD	Aircraft on U.S.S. Jason	
NRIP	U.S.C.G., C.G. 137		NRUG	U.S.C.G., Tampa		NVMAF	Aircraft on U.S.S. Augusta	
NRIQ	U.S.C.G., C.G. 138		NRUH	U.S.C.G., Haida		NVMAG	Aircraft on U.S.S. Chicago	
NRIR	U.S.C.G., C.G. 139		NRUI	U.S.C.G., Itasca		NVMAH	Aircraft on U.S.S. Louisville	
NRIS	U.S.C.G., C.G. 140		NRUK	U.S.C.G., Saranac		NVMAL	Aircraft on U.S.S. Houston	
NRIU	U.S.C.G., C.G. 141		NRUL	U.S.C.G., Northland		NVMAM	Aircraft on U.S.S. Chester	
NRIV	U.S.C.G., C.G. 142		NRUM	U.S.C.G., Mojeac		NVMAN	Aircraft on U.S.S. Northampton	
NRIW	U.S.C.G., C.G. 143		NRUP	U.S.C.G., Ponchartrain		NVMAP	Aircraft on U.S.S. Salt Lake City	
NRIX	U.S.C.G., C.G. 144		NRUQ	U.S.C.G., Modoc		NVMAJ	Aircraft on U.S.S. Pensacola	
NRiy	U.S.C.G., C.G. 145		NRUS	U.S.C.G., Sebago		NVMAW	Aircraft on U.S.S. Pennsylvania	
NRIZ	U.S.C.G., C.G. 146		NRUV	U.S.C.G., Cayuga		NVMAX	Aircraft attached to Macon	
NRJA	U.S.C.G., C.G. 147		NRVA	U.S.C.G., C.G. 211		NVMBB	Aircraft on U.S.S. California	
NRJB	U.S.C.G., C.G. 148		NRVB	U.S.C.G., C.G. 212		NVMBD	Aircraft on U.S.S. Indianapolis	
NRJC	U.S.C.G., C.G. 149		NRVC	U.S.C.G., C.G. 213		NVMBF	Aircraft on U.S.S. Oklahoma	
NRJD	U.S.C.G., C.G. 150		NRVD	U.S.C.G., C.G. 214		NVMBH	Aircraft on U.S.S. Idaho	
NRJE	U.S.C.G., C.G. 151		NRVE	U.S.C.G., C.G. 215		NVMBI	Aircraft on U.S.S. Astoria	
NRJF	U.S.C.G., C.G. 152		NRVF	U.S.C.G., C.G. 216		NVMBJ	Aircraft on U.S.S. Minneapolis	
NRJG	U.S.C.G., C.G. 153		NRVG	U.S.C.G., C.G. 218		NVMBK	Aircraft on U.S.S. Marblehead	
NRJH	U.S.C.G., C.G. 154		NRVJ	U.S.C.G., C.G. 219		NVMDJ	Aircraft on U.S.S. Maryland	
NRJL	U.S.C.G., C.G. 156		NRVK	U.S.C.G., C.G. 220		NVMDK	Aircraft on U.S.S. Concord	
NRJM	U.S.C.G., C.G. 157		NRVL	U.S.C.G., C.G. 221		NVMDL	Aircraft on U.S.S. Colorado	
NRJO	U.S.C.G., C.G. 158		NRVM	U.S.C.G., C.G. 222		NVMDM	Aircraft on U.S.S. Portland	
NRJP	U.S.C.G., C.G. 159		NRVN	U.S.C.G., C.G. 223		NVMDN	Aircraft on U.S.S. Antares	
NRJQ	U.S.C.G., C.G. 160		NRVQ	U.S.C.G., C.G. 224		NVMDH	Aircraft on U.S.S. New Orleans	
NRJR	U.S.C.G., C.G. 161		NRVS	U.S.C.G., C.G. 225		NVMDJ	Aircraft on U.S.S. Memphis	
NRJS	U.S.C.G., C.G. 162		NRVU	U.S.C.G., C.G. 226		NVMDK	Aircraft at First Naval Dist.	
NRJU	U.S.C.G., C.G. 163		NRVW	U.S.C.G., C.G. 228		NVMDL	Aircraft at Third Naval Dist.	
NRJV	U.S.C.G., C.G. 164		NRVX	U.S.C.G., C.G. 229		NVMDM	Aircraft at Fourth Naval Dist.	
NRJW	U.S.C.G., C.G. 165		NRVY	U.S.C.G., C.G. 231		NVMDN	Aircraft at Fifth Naval Dist.	
NRJY	U.S.C.G., C.G. 167		NRVZ	U.S.C.G., C.G. 232		NVMDJ	Aircraft at Sixth Naval Dist.	
NRJZ	U.S.C.G., C.G. 168		NRWA	U.S.C.G., Corwin		NVMDK	Aircraft at Seventh Naval Dist.	
NRKA	U.S.C.G., Arcata		NRWB	U.S.C.G., Dallas		NVMDL	Aircraft at Eighth Naval Dist.	
NRKB	U.S.C.G., Cayan		NRWX	U.S.C.G., Eagle		NVMDM	Aircraft at Ninth Naval Dist.	
NRKC	U.S.C.G., Cook		NRWD	U.S.C.G., Dexter		NVMDN	Aircraft at Eleventh Naval Dist.	
NRKD	U.S.C.G., A.B. 9		NRWF	U.S.C.G., Forward		NVMDJ	Aircraft at Twelfth Naval Dist.	
NRKE	U.S.C.G., Osprey		NRWG	U.S.C.G., Gallatin		NVMDK	Aircraft at Fifteenth Naval Dist.	
NRKF	U.S.C.G., Tingrad		NRWJ	U.S.C.G., Mahoning		NVMDL	Aircraft at Thirteenth Naval Dist.	
NRKG	U.S.C.G., Smith		NRWK	U.S.C.G., Nansemond		NVMDM	Aircraft at Fourteenth Naval Dist.	
NRKW	U.S.C.G., C.G. 925		NRWL	U.S.C.G., Naugatuck		NVMDJ	Aircraft at Sixteenth Naval Dist.	
NRLA	U.S.C.G., Active		NRWP	U.S.C.G., Pathriot		NVMDK	Aircraft at Seventeenth Naval Dist.	
NRLB	U.S.C.G., Agassiz		NRWQ	U.S.C.G., Perry		NVMDL	Aircraft at Eighteenth Naval Dist.	
NRLC	U.S.C.G., Antietam		NRWS	U.S.C.G., Petrel		NVMDM	Aircraft at Nineteenth Naval Dist.	
NRLD	U.S.C.G., Bontwell		NRWX	U.S.C.G., Wolloott		NVMDJ	Aircraft at Twentieth Naval Dist.	
NRLE	U.S.C.G., Cartigan		NRXC	U.S.C.G., C.G. 234		NVMDK	Aircraft at Twenty-first Naval Dist.	
NRLG	U.S.C.G., Caboone		NRXD	U.S.C.G., C.G. 235		NVMDL	Aircraft at Twenty-second Naval Dist.	
NRLL	U.S.C.G., Crawford		NRXE	U.S.C.G., C.G. 236		NVMDJ	Aircraft at Twenty-third Naval Dist.	
NRLM	U.S.C.G., Cuyahoga		NRXF	U.S.C.G., C.G. 237		NVMDK	Aircraft at Twenty-fourth Naval Dist.	
NRLN	U.S.C.G., Diligence		NRXH	U.S.C.G., C.G. 240		NVMDL	Aircraft at Twenty-fifth Naval Dist.	
NRLP	U.S.C.G., Dix		NRXJ	U.S.C.G., C.G. 241		NVMDJ	Aircraft at Twenty-sixth Naval Dist.	
NRLQ	U.S.C.G., Faunce		NRXK	U.S.C.G., C.G. 242		NVMDK	Aircraft at Twenty-seventh Naval Dist.	
NRLR	U.S.C.G., Frederick Lee		NRXL	U.S.C.G., C.G. 243		NVMDL	Aircraft at Twenty-eighth Naval Dist.	
NRLS	U.S.C.G., General Greene		NRXM	U.S.C.G., C.G. 244		NVMDJ	Aircraft at Twenty-ninth Naval Dist.	
NRLU	U.S.C.G., Harriet Lane		NRXN	U.S.C.G., C.G. 246		NVMDK	Aircraft at Thirtieth Naval Dist.	
NRLV	U.S.C.G., Jackson		NRXP	U.S.C.G., C.G. 247		NVMDL	Aircraft at Thirty-first Naval Dist.	
NRLW	U.S.C.G., Kinball		NRXQ	U.S.C.G., C.G. 250		NVMDJ	Aircraft at Thirty-second Naval Dist.	
NRLX	U.S.C.G., Legare		NRXW	U.S.C.G., C.G. 251		NVMDK	Aircraft at Thirty-third Naval Dist.	
NRLY	U.S.C.G., Marion		NRXY	U.S.C.G., C.G. 252		NVMDL	Aircraft at Thirty-fourth Naval Dist.	
NRLZ	U.S.C.G., Nemaha		NRXZ	U.S.C.G., C.G. 253		NVMDJ	Aircraft at Thirty-fifth Naval Dist.	
NRMA	U.S.C.G., Pulaski		NRXX	U.S.C.G., C.G. 254		NVMDK	Aircraft on U.S.S. Nevada	
NRMC	U.S.C.G., Reliance		NRXW	U.S.C.G., C.G. 255		NVMDL	Aircraft on U.S.S. Mississippi	
NRMD	U.S.C.G., Rush		NRXY	U.S.C.G., C.G. 256		NVMDJ	Aircraft on U.S.S. Ranger	
NRME	U.S.C.G., Tiger		NRXZ	U.S.C.G., C.G. 257		NVMDK	Aircraft on U.S.S. Argonne	
NRMF	U.S.C.G., Travis		NRYA	U.S.C.G., C.G. 258		NVMDL	Aircraft on U.S.S. New Mex.	
NRMG	U.S.C.G., Vigilant		NRYB	U.S.C.G., C.G. 259		NVMDJ	Aircraft on U.S.S. New York	
NRMH	U.S.C.G., Woodbury		NRYC	U.S.C.G., C.G. 260		NVMDK	Aircraft on U.S.S. Wyoming	
NRMI	U.S.C.G., Yeaton		NRYP	U.S.C.G., C.G. 261		NVMDL	Aircraft on U.S.S. Detroit	
NRMO	U.S.C.G., C.G. 169		NRYS	U.S.C.G., C.G. 262		NVMDJ	Aircraft on U.S.S. Tennessee	
NRMP	U.S.C.G., C.G. 170		NRYT	U.S.C.G., C.G. 263		NVMDK	Aircraft on U.S.S. Wright	
NRMQ	U.S.C.G., C.G. 171		NRZG	U.S.C.G., C.G. 264		NVMDL	Aircraft on U.S.S. W. Virginia	
NRMR	U.S.C.G., C.G. 172		NRZH	U.S.C.G., C.G. 265		NVMDJ	Aircraft on U.S.S. Richmond	
NRMS	U.S.C.G., C.G. 173		NRZJ	U.S.C.G., C.G. 266		NVMDK	Aircraft on U.S.S. Lexington	
NRMT	U.S.C.G., C.G. 174		NRZK	U.S.C.G., C.G. 267		NVMDL	Aircraft on U.S.S. Omaha	
NRMU	U.S.C.G., C.G. 175		NRZL	U.S.C.G., C.G. 268		NVMDJ	Aircraft on U.S.S. Saratoga	

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
NVMVC	Aircraft on U.S.S. Raleigh				96.61, 96.15, 54.35,	WEER	Aero Radio Co., Richmond, Va.	97.71, 97.5, 52.72
NVMVP	Aircraft on U.S.S. Utah				54.1, 48.31, 47.47,	WEES	Cipango	
NVMVR	Aircraft on U.S.S. Sangle				47.17, 36.23, 35.5,	WEET	Melodie	54.3
NVMWB	Aircraft on U.S.S. Milwaukee				27.17	WEWO	Aero Radio, Inc., Carlstadt, N. J.	39.34, 39.27, 32.5, 31.98, 29.78
NVMWM	Aircraft on U.S.S. Medusa		WCCM	Dollar S.S., Pres. Johnson	54.3, 54, 45.52, 36.01, 27.15, 26.71, 18.09, 18.007, 13.57	WEEW		
NVMXA	Aircraft on U.S.S. Trenton					WEEZ	Aero Radio, Inc., Tinley Park, Ill.	33.34, 39.27, 32.5, 31.95, 29.79
NZMCT	U. S. Navy, ZMC 2		WCCN	Dollar S.S., Pres. Filmore				
NZNJT	U. S. Navy, J 4		WCCR	Alaska S.S. Aleutian	54.3, 35.50, 26.71, 54, 27.15	WEEY	Excambian	
NZNJK	U. S. Navy, J 3		WCDC	Texas Co., La., Miss. Tex.	176.06	WEEZ	Olympic	54.3, 54, 36.01, 27.15, 18.094, 18.007
NZNKO	U. S. Navy, Non-rigid Ship KI		WCEA	T. R. T. Co., Hingham, Mass.	23.16			
NZRLA	U. S. Navy, Los Angeles		WCEB	Boston Pilot	118.29	WEF	R. C. A. Rocky Point, N. Y.	31.31
NZRLC	Airship, Macon		WCEC	Ingomar	54.3, 54, 53.43	WEQ	R. C. A. Rocky Point, N. Y.	40.45
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	Tatooosh	129.3, 117.2	WEI	R. C. A. Rocky Point, N. Y.	105.2
WAB	T. R. T. Co., Hialeah, Fla.	44.264	WCEC	Glenn Mayne Light	54.3, 54, 39.19, 36.01	WEJ	R. C. A. Rocky Point, N. Y.	44.51
WAC	R. C. A., New Brunswick, N.J.	31.68, 21.58	WCEC	Gloria Dalton	129.3	WEK	D. of C., Wichita, Kans.	88.6, 89, 50.51, 50.34
WAD	R. C. A., Rocky Point, N. Y.	33.59, 21.63	WCEC	Fish Hawk	123.55	WEL	R. C. A., Rocky Point, N. Y.	33.32
WADK	Transp. Corp., Cabrillo	109.5	WCEC	San Salvador	54.3, 54, 36.19, 18.094, 18.007	WEM	R. C. A., Rocky Point, N. Y.	40.54
WADT	Grace S.S., Santa Cecilia	54.3, 36.19, 35.5, 27.15, 26.71, 22.66, 18.09, 18.007	WCEC	Argosy	36.19, 35.5, 27.15, 26.71, 22.06	WEN	A. C. A., New Brunswick, N.J.	40.50
WAE	R. C. A., New Brunswick, N.J.	43.17, 21.68	WCEK	Briefin	54.3, 54, 45.52, 36.01, 27.15, 27, 18.004	WEP	R. C. A., Rocky Point, N. Y.	43.11
WAEAC	Aero Radio, Pittsburgh, Pa.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63	WCEL	Europa	54.3, 54, 36.01	WER	R. C. A., Rocky Point, N. Y.	44.70
WAED	Aero Radio, Harrisburgh, 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	WES	R. C. A., Rocky Point, N. Y.	31.74
WAEF	Aero Radio, Camden, N. J.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63	WCEP	Ramah	129.3, 54.3, 54, 36.19, 27.15, 27, 18.182, 18.007	WET	R. C. A., Rocky Point, N. Y.	31.67
WAEH	Aero Radio, Newark, N. J.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63	WCEQ	Argosy	36.19, 36.01, 35.5, 27.15, 27, 26.71, 22.66, 18.094, 36.01, 18.007, 17.794	WEV	R. C. A., Rocky Point, N. Y.	40.54
WAEI	Aero Radio, Inc., Milwaukee, Wis.	112.44, 112.28, 105.12, 99.83, 55.8	WCEX	Saranna	36.01, 35.5, 27.15, 27, 26.71, 22.66, 18.094, 18.007, 17.704	WEW	R. C. A., Rocky Point, N. Y.	40.50
WAEJ	Aero Radio, Inc., Detroit, Mich.	111.10, 102.11, 51.5	WCFC	Hussar	36.19, 36.01, 35.5, 27.15, 27, 26.71, 22.66, 18.094	WF	R. C. A., Rocky Point, N. Y.	43.21
WAEK	Aero Radio, Inc., Springfield, Ill.	129.53, 37.43	WCFF	Continental		WF	R. C. A., Rocky Point, N. Y.	43.21
WAEW	Aero Radio, Inc., Mobile, Ala.	92.8, 53.20	WCFF	Fortitude	96.61, 17.794	WFC	Fire Dept., Boston, Mass.	192.55
WAEP	Aero Radio, Inc., U.S.A.	93.09, 53.20	WCFF	Export S.S. Co., Exeter	54.3, 54, 45.52, 36.19, 35.5, 27.15, 27, 22.09, 18.094	WFE	R. C. A., Rocky Point, N. Y.	43.30
WAF	T. R. T. Co., Hialeah, Fla.	28.68	WCFF	Fire Dept., New York, N. Y.	187.97	WFE	Tropical Radio Co., New Orleans, La.	44.22
WAG	M. R. T., Bar Harbor, Me.	71.49, 54.3, 34.6, 27.15	WCFF	Texas Co., La., Miss. Tex.	176.06	WFD	Tropical Radio Co., New Orleans, La.	28.65
WAI	R. C. A., Rocky Point, N. Y.	22.25	WCFF	Light Co., Hazelton, Pa.	94	WFD	Missouri	96.15, 71.09, 48.30, 48.23
WAM	T. R. T. Co., Hialeah, Fla.	23.16	WCFF	Police, Detroit, Mich.	124.17	WFE	Oreans, La.	
WAN	T. R. T. Co., Hialeah, Fla.	70.42	WCFF	Cont. Oil 3rd Radio Zone	176.06	WFE	Orleans, La.	28.65
WAO	Detroit Edison Superior, Mich.	94	WCFF	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	WFE	Orleans, La.	28.65
WAQ	Westinghouse, Newark, N. J.	44.03	WCFF	R. C. A., Rocky Point, N. Y.	31.65	WFE	Oreans, La.	28.65
WAR	U. S. A., Wash., D. C.	18.53, DR 270	WCFF	R. C. A., Rocky Point, N. Y.	44.71	WFE	Oreans, La.	28.65
WAR	U. S. A., Wash., D. C.	74.65, 74.64, 70.50, 42.92, 37.31, 37.27, 35.25, 24.88, 24.84, 23.50	WCFF	R. C. A., Rocky Point, N. Y.	20.20	WFE	Oreans, La.	28.65
WAT			WCFF	R. C. A., Rocky Point, N. Y.	39.95	WFE	Oreans, La.	28.65
WAW			WCFF	Bowlin	109, 69.56, 34.78, 23.18	WFE	Oreans, La.	28.65
WAX	T. R. T., Hialeah, Fla.	96.61, 96.15, 72.46, 62.63, 48.31, 47.54, 36.23, 35.34, 27.17, 26.87	WCFF	Rujeta		WFE	Oreans, La.	28.65
WAZ	R. C. A., New Brunswick, N.J.	20.107	WCFF	Caroline	36.19, 17.79	WFE	Oreans, La.	28.65
WBB	Texas Co., La., Miss. Tex.		WCFF	Western Enterprise	36.19, 17.794	WFE	Oreans, La.	28.65
WBBC	New York City, Macon	178.15	WCFF	Arcadian	129.3	WFE	Oreans, La.	28.65
WBD	Texas Co., La., Miss. Tex.	176.06	WCFF	Trawler	129.3	WFE	Oreans, La.	28.65
WBDF	All Amer. Cable, Guardian	54.3, 54, 45.52, 45.42, 36.19, 35.5, 27.15, 27, 22.66	WCFF	Marie II	54.3, 54, 45.32, 27.15, 27, 22.66	WFE	Oreans, La.	28.65
WBDR	Oceanic S.S. Co., Sierra	36.19, 35.5, 26.71, 17.94, 13.575, 13.501, 13.357	WCFF	Richard S.	129.3	WFE	Oreans, La.	28.65
WBDX	Research Co., Big Bill	200, 175, 105	WCFF	William I. Muir	129.3	WFE	Oreans, La.	28.65
WBE	Texas Co., La., Miss. Tex.	176.06	WCFF	City of Baltimore, Md.	54.3, 13.501	WFE	Oreans, La.	28.65
WBEC	Yacht, Tempress	54.3, 54, 35.50	WCFF	Vetero	54.3	WFE	Oreans, La.	28.65
WBEP	Export S.S. Co., Exochorda	54.3, 54, 45.52, 36.19, 35.50, 27.15, 27	WCFF	Edouard Jeramie	54.3	WFE	Oreans, La.	28.65
WBEK	W. K. Vanderbilt, Alva	54.3, 54, 45.52, 45.42, 36.19	WCFF	E. P. No. 6	129.3	WFE	Oreans, La.	28.65
WBEM	Invader	54.3, 54, 36.9, 18.094, 18.007	WCFF	Herbert Hoover	96.15, 71.94, 48.30, 48.23	WFE	Oreans, La.	28.65
WBEB	White Star	54.3, 54, 36.01, 27.15, 27, 18.094, 18.007	WCFF	Asama	54.3, 17.79	WFE	Oreans, La.	28.65
WBET	Belle Isle	54.3, 54, 36.01, 27.15, 27, 18.004	WCFF	Canada		WFE	Oreans, La.	28.65
WBEU	Fisherman II	118.29	WCFF	General call, all vessels of Dollar S.S. Co.		WFE	Oreans, La.	28.65
WBEZ	Liberty		WCFF	R. C. A., Rocky Point, N. Y.	15.87	WFE	Oreans, La.	28.65
WBF	Tropical Radio, Hingham, Mass.	96.61, 96.15, 72.46, 62.63, 48.31, 46.95, 26.23, 24.15, 23.95, 18.116, 17.668, 13.587, 13.348	WCFF	R. C. A., Rocky Point, N. Y.	28.27	WFE	Oreans, La.	28.65
WBG	Texas Co., La., Miss. Tex.	176.06	WCFF	R. C. A., Rocky Point, N. Y.	43.29	WFE	Oreans, La.	28.65
WBH	Texas Co., La., Miss. Tex.	176.06	WCFF	R. C. A., Rocky Point, N. Y.	33.37	WFE	Oreans, La.	28.65
WBI	Penna. Light, Tuokerville, Pa.	94	WCFF	R. C. A., Rocky Point, N. Y.	28.22	WFE	Oreans, La.	28.65
WBK	Texas Co., La., Miss. Tex.		WCFF	R. C. A., Rocky Point, N. Y.	28.22	WFE	Oreans, La.	28.65
WBL	R. C. A., Buffalo, N. Y.	62.82, 54.3, 35.01	WCFF	Press Wireless, Hicksville, N. Y.	43.35	WFE	Oreans, La.	28.65
WBM	Light Co., Detroit, Mich.	94	WCFF	Aero Radio, Inc., Atlanta, Ga.	126.1, 102.66, 101.83, 45.52, 45.45	WFE	Oreans, La.	28.65
WBN	Texas Co., La., Miss. Tex.	176.06	WCFF	Aero Radio Corp., Baltimore, Md.	126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WFE	Oreans, La.	28.65
WBO	T. R. T. Co., Hingham, Mass.	44.264	WCFF	Aero Radio, Inc., Charleston, S. C.	97.71, 97.5, 72.04, 52.72, 47.46	WFE	Oreans, La.	28.65
WBP	Doe, Key West, Fla.	89.6, 89, 50.51, 50.34	WCFF	Aero Radio Co., Spartanburg, S. C.	97.71, 97.52, 52.72	WFE	Oreans, La.	28.65
WBS	Texas Co., La., Miss. Tex.		WCFF	Aero Radio Co., Greensboro, N. C.	97.71, 97.52, 52.72	WFE	Oreans, La.	28.65
WBU	R. C. A., Rocky Point, N. Y.	14.11	WCFF	Aero Radio, Inc., McCra, Ga.	97.71, 97.5, 72.04, 52.72, 47.46	WFE	Oreans, La.	28.65
WBX	Texas Co., La., Miss. Tex.	176.06	WCFF	Aero Radio, Inc., Jacksonville, Fla.	97.71, 97.5, 72.04, 52.72, 47.46	WFE	Oreans, La.	28.65
WBY	T. R. T. Co., Hingham, Mass.	28.68	WCFF	Aero Radio Co., Stetson, N. J.	97.71, 97.52, 52.72	WFE	Oreans, La.	28.65
WBZ	Westinghouse, Springfield, Mass.	50	WCFF	Aero Radio, Inc., Orlando, Fla.	126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WFE	Oreans, La.	28.65
WCA	Texas Co., La., Miss. Tex.	176.06	WCFF	Aero Radio, Inc., Atlantic City, N. J.	126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WFE	Oreans, La.	28.65
WCB	Texas Co., La., Miss. Tex.	176.06	WCFF	Aero Radio, Inc., Atlantic City, N. J.	126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WFE	Oreans, La.	28.65
WCC	R. C. A., Marion, Mass.	26.96, 26.74, 24.15, 23.725, 18.116, 17.751, 13.793, 13.587, 13.453	WCFF	Aero Radio, Inc., Atlantic City, N. J.	126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WFE	Oreans, La.	28.65

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
WGK	R. M. C. A., Blue Ash, Ohio	62.82, 54.20, 35.01	WKDM	U. S. S. B., Violet Ray	129.3	WNAJ	Aero Radio, Angola, Ind.	84.83
WGO	R. C. A., Chicago, Ill.	96.61, 96.15, 72.46, 62.63, 54.36, 48.31, 47.39, 36.23, 35.01, 27.17, 26.775	WKDS	Haida		WNAK	Aero Radio, Litchfield, Ohio	94.9
WGPA	Police, Seattle, Wash.	124.17	WKDU	Fire Dept., Detroit, Mich.	187.97	WNAM	Aero Radio, Bellefonte, Pa.	94.9
WGT	R. C. A., San Juan, P. R.	21.77	WKDX	Police, Cincinnati, Ohio	175.23	WNAO	Aero Radio, Summit, N. J.	94.9
WGU	R. C. A., San Juan, P. R.	44.65	WKE	Plant Dept., New York, N. Y.	178.50	WNAU	Aero Radio, Moline, Ill.	A1-2-3, 94.9, 94.75, 94.57, 84.39, 53.88, 63
WGW	Vieguas, Porto Rico	52, 188.44, 186.3, 54.29, 46.04	WKF	M. R. T. Co., Sayville, N. Y.	20.375	WNB	A. T. & T. Co., Lawrenceville, N. J.	44.41, 28.44
WHD	N. Y. Times, New York City	53.14, 45.84, 36.36, 26.64, 18.18	WKH	A. T. & T. Co., Lawrenceville, N. J.	15.61	WNBD	Cressida	54.3, 36.19, 36.01, 35.5, 27.15, 25.71, 22.66
WHDO	Ulua		WKI	M. R. T. Co., Sayville, N. Y.	20.335	WNBG	S. S. Thorpe	96.15, 71.94, 48.30, 48.23
WHDS	Rideout Co., Penguin	115.96	WKJ	Sayville, N. Y.	60.23, 68.18, 68.10, 68.02, 67.93, 50.20, 50.15, 50.08, 39.15, 38.75, 38.70, 33.41, 29.50, 27.73, 27.56, 23.05, 17.50, 16.96	WNBH	Katherine	129.3
WHDX	Helena	35.45, 35.01	WKK	R. C. A., Rocky Point N. Y.	31.71	WNBK	Elgin, Ill.	33.5
WHED	Denali	129.10, 109.56	WKL	A. T. & T. Co., Lawrenceville, N. J.	14.01	WNBS	Panama Line, S. S. Santa Isabel	36.19, 35.5, 27.15, 26.71, 22.66, 18.09
WHEE	Folly II	129.19, 109.37	WKM	R. C. A., Rocky Point, N. Y.	33.55	WNCA	Panama Mail, Santa Oliva	54.3, 36.19, 35.5, 27.15, 26.71, 22.66, 18.09, 18.007
WHEG	Paladini	129.3, 127.7, 127.01, 109.57	WKN	R. C. A., Rocky Point, N. Y.	15.907	WNE	Light Co., Beadenton, Fla.	94
WHEH	Paladini	129.10, 109.56	WKO	A. T. & T. Co., Lawrenceville, N. J.	15.136	WNF	Light Co., Lakeland, Fla.	94
WHEJ	A. E. Williams	129.3, 127.7, 127.01, 109.57	WKP	R. C. A., Rocky Point, N. Y.	18.78	WNG	Light Co., West Palm Beach, Fla.	94
WHEK	Baracuda		WKR	R. C. A., Rocky Point, N. Y.	43.16	WNH	Light Co., Miami, Fla.	94
WHEL	T. G. Coudare	129.19, 109.56	WKS	M. R. T. Co., Sayville, N. Y.	17.503	WNI	D. of C., Moline, Ill.	89.6, 89, 50.51, 50.34
WHEP	F. C. Denchy	129.19	WKT	M. R. T. Co., Sayville, N. Y.	16.988	WNJ	D. of C., Moline, Ill.	89.6, 89, 50.51, 50.34
WHG	Aero Radio, Inc., Columbus, Ohio	97.33, 96.5, 54.44, 47.13, 37.43, 24.63	WKU	M. R. T. Co., Sayville, N. Y.	16.949	WNN	Light Co., Lake City, Fla.	94
WHM	Aero Radio, Indianapolis, Ind.	97.33, 96.5, 54.44, 47.13, 37.43, 24.63	WKV	R. C. A., Rocky Point, N. Y.	20.22	WNO	Tropical Radio, Mobile, Ala.	96.61, 96.15, 72.46, 62.69, 48.31, 47.77, 27.17, 26.63, 18.116, 17.658, 13.587, 13.333
WHR	R. C. A., Rocky Point, N. Y.	22.85	WKW	M. R. T. Co., Sayville, N. Y.	33.37	WNP	Light Co., Palatka, Fla.	94
WHV	Light Co., Newark, N. J.	94.9, 94.8, 94.6, 94.4, 94.2, 92.65, 92.5	WLA	R. C. A., Rocky Point, N. Y.	19.423	WNQ	Light Co., Fort Lauderdale, Fla.	94
WHZ	D. of C., Atlanta, Ga.	89.8, 89, 50.83, 50.51	WLB	A. T. & T. Co., Lawrenceville, N. J.	16.358	WNR	D. of C., Richmond, Va.	89.8, 89, 50.65, 50.51
WHB	M. R. T. Co., Sayville, N. Y.	44.02	WLC	Rogers City, Mich.	72.9, 34.76	WNS	Light Co., Punta Gorda, Fla.	94
WHC	M. R. T. Co., Sayville, N. Y.	39.11	WLD	City of Newport News	42.92	WNT	Light Co., Sanford, Fla.	94
WHD	M. R. T. Co., Sayville, N. Y.	38.81	WLE	U. S. Army, Boston, Mass.	42.92	WNU	Tropical Radio, New Orleans, La.	96.61, 96.15, 72.46, 62.69, 48.31, 47.77, 27.17, 26.63, 18.116, 17.658, 13.587, 13.333
WHI	M. R. T. Co., Sayville, N. Y.	38.81	WLF	U. S. Army, Boston, Mass.	136.9	WNV	Light Co., St. Augustine, Fla.	94
WHJ	Booth Fisheries, Kiska	129.3	WLG	Wilsonville, Pa.	42.92	WNW	Philadelphia, Pa.	72.886, 13.538
WHK	Yacht Buccanen, Great Lakes	87.3, 72.32	WLH	Bypro, Kentucky	42.92	WNX	Light Co., Daytona Beach, Fla.	94
WHL	Mikimiki	115.56	WLI	U. S. Army, Columbus, Ohio	42.92	WNY	Brooklyn, N. Y.	71.63
WHM	Tempress, Hawaii	54.3, 36.19, 27.15, 22.66, 18.09, 17.79	WLJ	Cleveland, Ohio	42.92	WNZ	Light Co., Fort Pierce, Fla.	94
WHN	Beryl E.	129.3	WLK	Santa Teresa, U. S. A.	42.92	WOA	A. T. & T. Co., Lawrenceville, N. J.	44.41
WHO	Alaska Salmon Co., Leonine	129.3	WLL	U. S. Army, San Antonio, Tex.	18.44	WOB	A. T. & T. Co., Lawrenceville, N. J.	44.41
WHQ	Alaska Salmon Co., Sally S.	129.3	WLM	A. T. & T. Co., Lawrenceville, N. J.	16.76	WOBL	Inland Waterway, Genl. Ashbum	37.22
WHR	Packing Co., Rudolf N.	129.3	WLN	R. C. A., Rocky Point, N. Y.	42.92	WOBM	C. C. Webber	96.15, 71.94, 48.30, 48.23
WHW	Packing Co., Hazell Robb	129.3	WLO	U. S. Army, Wash., D. C.	42.92	WOBP	Iolanda	72.3
WHX	Packing Co., Barron F.	129.3	WLQ	U. S. Army, Governors Is., New York City	42.92	WOBV	Nippokonto	109.3
WHY	Packing Corp., Sacco	129.3	WLR	U. S. Army, Minneapolis, Minn.	94	WOBY	Mimi	109.3
WIA	M. R. T. Co., Sayville, N. Y.	38.74	WLS	U. S. Army, Ft. Howard, Md.	42.92	WOBZ	Antares	35.5, 27.15, 26.71, 23.06, 17.705
WIE	Manhattan		WLT	U. S. Army, Atlanta, Ga.	42.92	WOF	A. T. & T. Co., Lawrenceville, N. J.	30.77
WIEA	Gertrude Fauci		WLV	U. S. Army, Chicago, Ill.	42.92	WOH	A. T. & T. Co., Bradley, Me.	69.5 to 66.55
WIEP	M. R. T. Co., Sayville, N. Y.	38.7	WLW	U. S. Army, Omaha, Neb.	42.92	WOK	A. T. & T. Co., Lawrenceville, N. J.	28.44
WIF	M. R. T. Co., Sayville, N. Y.	38.66	WLX	U. S. Army, San Francisco, Cal.	42.92	WON	A. T. & T. Co., Lawrenceville, N. J.	30.4
WIG	M. R. T. Co., Sayville, N. Y.	37.15	WLY	U. S. Army, Zamboanga, P. I.	69.70, 34.84	WOO	A. T. & T. Co., Deal Beach, N. J.	96.03, 72.88, 46.05, 34.76
WIH	M. R. T. Co., Sayville, N. Y.	37.15	WMA	U. S. Army, Fort Monmouth, N. J.	22.4	WOP	R. C. A., Rocky Point, N. Y.	21.58
WIJ	M. R. T. Co., Sayville, N. Y.	33.44	WMB	A. T. & T. Co., Lawrenceville, N. J.	22.4	WOU	N. E. T. Co., Marshfield, Mass.	115.8
WIK	M. R. T. Co., Sayville, N. Y.	33.44	WMBN	Happy Days	18.094	WOX	N. Y. Tel. Co., New York, N. Y.	179.43
WIL	R. C. A., Chatham, Mass.	74.3	WMBT	G. H. Phelps, Skagway	109, 34.78	WOY	Comm. Radio Telephone ship to shore, N. Y. C.	87.66
WIN	M. R. T. Co., Sayville, N. Y.	33.41	WMCE	Matson Navig. Co, Matolo	54.3, 54, 36.19, 35.50, 27.15, 26.71, 22.66, 18.10	WPA	R. C. A., Port Arthur, Texas.	54.3, 46.47, 35.84, 25.75, 23.68, 18.09, 13.74, 13.57
WIO	M. R. T. Co., Sayville, N. Y.	33.41	WMC	Amer. Line, California	54.3, 36.19, 36.01, 35.05, 27.15, 22.66, 26.71	WPAN	General Call for all P. A. A. Ships	
WIQ	M. R. T. Co., Sayville, N. Y.	33.08	WMD	M. R. T. Co., Sayville, N. Y.	15.974	WPBD	Interlakes Co., Chas. M. Schwab	54.3, 54, 53.42, 36.01
WIR	R. C. A., Rocky Point, N. Y.	70.15	WMDB	Santa Clara		WPBQ	Pat Dokeny	
WIS	M. R. T. Co., Sayville, N. Y.	32.29	WMDC	Olive K.	54.3, 36.19, 35.59, 27.15, 26.71, 22.64	WPBS	David P. Fleming	118.89, 117.2, 116.19
WIU	M. R. T. Co., Sayville, N. Y.	29.5	WMDI	Jeanne	54.3, 54, 53.42	WPBT	Santa Barbara	
WIV	M. R. T. Co., Sayville, N. Y.	28.06	WMDJ	Skasta	54.3, 54, 36.01	WPBV	C. R. Runyon, Jr., Osprey III	109
WIW	M. R. T. Co., Sayville, N. Y.	27.75	WMDK	S. O. Co., Far West Fisheries	129.3	WPBW	Santa Maria	54.3, 17.794
WIX	M. R. T. Co., Sayville, N. Y.	27.73	WMDL	Amer. Lines, Pennsylvania	54.3, 54, 36.19, 35, 27.15, 26.71, 22.66	WPC	Beth. Ship Hdq., Quincy, Mass.	188.4, 46.05, 96.61, 96.2, 54.35, 36.23, 34.72
WIY	R. C. A., Rocky Point, N. Y.	21.62	WMDM	Pan Am. Air., San Juan, P. R.	55.09, 37.43, 112.69, 97.71, 52.72, 24.57, 47.24	WPDA	Police, Cleveland, Ohio	124.27
WIZ	R. C. A., New Brunswick, N. J.	43.07	WMDN	Santa Monica	54.3, 54, 36.19, 35.5, 27.15, 26.71, 22.66, 18.094, 18.007	WPDB	Police, Chicago, Ill.	175.23
WJA	Press Wireless, Chicago, Ill.	30.75, 18.85	WMDW	Panama Mail, Santa Catalina	54.3, 36.19, 27.15, 26.71, 22.66, 18.007	WPDC	Police, Chicago, Ill.	175.23
WJC	Press Wireless, Chicago, Ill.	38.36, 19.18	WMDY	Police, Indianapolis, Ind.	122.85	WPDE	Police, Louisville, Ky.	122.85
WJD	Intl. News, New York City	37.01	WME	M. R. T. Co., Sayville, N. Y.	15.253	WPDF	Police, Flint, Mich.	122.85
WJE	Inland Water, Dwight Davis	87.7, 45.52	WMG	M. R. T. Co., Sayville, N. Y.	23.05	WPDG	Police, Youngstown, Ohio	124.17
WJF	Migrant	36.19, 36.01, 35.5, 27.15, 27, 26.71, 22.66, 22.66, 18.09, 18.09, 18.09	WMI	A. T. & T. Co., Lawrenceville, N. J.	15.337	WPDH	Police, Richmond, Ind.	122.85
WJG	Press Wireless, Philadelphia, Pa.	40.79	WML	Police, Buffalo, N. Y.	20.73	WPDI	County Comm., Columbus, Ohio	123.45
WJH	M. R. T. Co., Sayville, N. Y.	23.05	WMM	M. R. T. Co., Sayville, N. Y.	15.322	WPK	Police, Milwaukee, Wis.	122.44
WJI	City of Norfolk	54.3, 13.6	WML	M. R. T. Co., Sayville, N. Y.	44.82, 14.03	WPKD	City of Lansing, Mich.	122.85
WJJ	M. R. T. Co., Sayville, N. Y.	23.02	WMM	M. R. T. Co., Sayville, N. Y.	15.291	WPKM	Police, Dayton, Ohio	124.17
WJK	Press Wireless, Newton, Mass.	40.79, 19.03	WMO	A. T. & T. Co., Lawrenceville, N. J.	20.56			
WJM	Press Wireless, Wash., D. C.	39.27	WMP	Police, Highland Pk., Ill.	124.27			
WJO	Press Wireless, Little Neck, N. Y.	39.27	WMQ	Mass. State, Police, Boston	190.6			
WJP	Press Wireless, Little Neck, N. Y.	37.95	WMR	M. R. T. Co., Sayville, N. Y.	15.198			
WJQ	Press Wireless, Little Neck, N. Y.	38.29, 19.145						
WJS	Press Wireless, Little Neck, N. Y.	38.22, 19.10						
WJT	R. C. A., San Juan, P. R.	65.3, 70.15						
WJU	Press Wireless, Little Neck, N. Y.	40.87						
WJV	M. R. T. Co., Sayville, N. Y.	21.49						
WJW	M. R. T. Co., Sayville, N. Y.	20.44						
WKA	A. T. & T. Co., Lawrenceville, N. J.	14.245						
WKB	M. R. T. Co., Sayville, N. Y.	20.415						
WKC	R. C. A., Rocky Point, N. Y.	22.28						
WKD	R. C. A., Rocky Point, N. Y.	22.33						
WKDL	P. A. A., Miami, Fla.	97.71, 52.72, 24.57, 13.0, 3.2, 9.75, 2, 72.74, 46.91, 37.43, 47.24						

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
DAN	Nordhuk	52.91, 36, 26.45, 18.66, 35.12, 23.81, 45.45	DFU	Konigs Wusterhausen	54.1	DTOR	Regulers	190, 180.72, 169.01, 153.06
DANAB	Dox	153.06, 53.233, 36.45	DFV	Konigs Wusterhausen	46.45	DTOW	Wilhelm Huth	190, 180.72, 169.01, 153.06
DAS	Swinmide	26.93, 190, 178, 169.1, 160	DFY	Nauen	181.30	EAA-EHZ SPAIN		
DCD	Ausseneider	180	DWA	Nauen	14.634	EAD	Cadiz	180
DCG	Elbe Feuerschiff	160	OGA	Nauen	14.691	EAH	Madrid	32.93, 31.65, 16.456, 14.735, 14.556
DCI	Elbe Feuerschiff	190, 160	DGB	Nauen	30.36	EAI	Canary Islands	170
DCR	Stubbenkammer	190, 160	DGC	Nauen	29.38	EAIE	Reina Maria Eugenia	30.864, 25.104
DGS	Tonning	170	DGD	Nauen	13.321	EAIH	Magallanes	43.89, 30.7, 21.65, 20.08, 20.046, 19.91
DCU	Robbenplate	190, 160	DGE	Nauen	22.762	EAK	Las Palmas, Canary Is.	20.08, 20.046, 19.91
DDAO	Bremen	160	DGF	Nauen	28.89	EAM	Madrid	20.17
DDAS	Altenbruch	190, 160	DGG	Nauen	22.42	EAN	Madrid	15.576, 15.385, 15.259
DDBR	Bremen	66.667, 18.160	DGH	Nauen	14.058	EAND	Cabo San Agustin	35.85, 23.9
DDCB	Berlin	175	DGI	Nauen	14.164	EANE	Cabo Sauto Foni	35.85, 23.9
DDCC	Columbus	66.667, 18.160	DGL	Nauen	44.91	EANW	Madrid	15.213, 30.425
DDCG	Risolute	175	DGM	Nauen	14.058	EAQ	Madrid	15.213, 30.425
DDCJ	Coblentz	175	DGN	Nauen	14.164	EAQH	Leon y Castillo	40
DDCP	Cap. Polonia	66.667, 18.160	DGO	Nauen	14.465	EAR 110	Madrid	29.7
DDDA	Wiser	175	DGP	Nauen	14.634	EARN	La Palma	40
DDDB	Werra	175	DGQ	Nauen	14.634	EAU	Canary Islands	160
DDDC	Saarbrucken	175	DGR	Nauen	31.084	EAV	Barcelona	61.73, 60.70, 43.70, 37.41, 31.8, 21.79, 20.13
DDDF	Sierra Cordoba	175	DGS	Nauen	14.896	EAX	Barcelona	61.73, 60.70, 43.70, 37.41, 31.8, 21.79, 20.13
DDDQ	Serflinger	175	DGT	Nauen	14.955	EAY	Basile	17.4
DDDT	Deutschland	66.667, 18.160	DGU	Nauen	14.955	EDK		4
DDDX	Hamburg	66.667, 18.160	DGV	Nauen	16.778	EDZ		31
DDEA	Cap. Areona	66.667, 18.160	DGW	Nauen	20.541	EEZ	Madrid	44.87, 29.97, 28.52, 25.75, 25.07, 22.44, 22.08, 16.502, 14.962
DDED	New York	66.667, 18.160, 190, 160	DGX	Nauen	27.42	EEX	Madrid	28.25, 29.70
DDFF	Reliance	151	DGY	Nauen	22.682	ELA-ELZ LIBERIA		
DDFV	Micklenberg	66.667, 18.160	DGZ	Nauen	26.22	ELA	Monrovia	34.264, 38.58, 29.09, 19, 17.142, 16.25, 15.16, 16.045
DDGR	Orion	66.667, 18.160	DHA	Nauen	30.272	ELB	Bassa	84.98
DDGT	Gotha	175	DHB	Nauen	40.96	ELC	Monrovia	60
DDJD	Frier	175	DHC	Nauen	14.985	ELM	Monrovia	60.03
DDKD	Crefeld	175	DHD	Nauen	38.07	ELP	Cape Palmas	75
DDKO	Koln	175	DHE	Nauen	57.085	ELR	Cape Mount	75.57
DDKV	Ditmar Koel	190, 160	DHO	Nauen	56.24	ELS	Linoe	60, 85.47
DDLL	Lutzow	175	DIA	Konigs Wusterhausen	55.20	ESA-ESZ ESTONIA		
DDM	Hamburg	175	DIB	Konigs Wusterhausen	14.792	ESG	Air Service	175
DDNE	Madrid	175	DIC	Konigs Wusterhausen	15.040	ESO	Fallin	52.63, 42.85, 32
DDNY	Albert Ballin	66.66, 18.160	DID	Konigs Wusterhausen	15.43	ESP	Paruu	127
DDOE	Sierra Morena	175	DIE	Konigs Wusterhausen	16.043	ESR	Rubnu	123
DDOY	Norderney	190, 160	DIF	Konigs Wusterhausen	16.855	F-FRANCE (Including colonies and protectorates)		
DDRD	Dresden	175	DIG	Konigs Wusterhausen	17.3	FALD	Aldebaren	
DDRM	Karlsruhe	175	DIH	Konigs Wusterhausen	18.34	FAMJ	Jeanne d'Arc	
DDRQ	Augustie Kampf	180, 180.72, 169.10, 153.06	DIJ	Konigs Wusterhausen	19.9	FAMP	Lamotte Piequet	
DDRV	Wotan	190, 160	DIK	Konigs Wusterhausen	20.819	FBD	O'rreiger, Syria	
DDSV	Kustin Mites	190, 160	DIL	Konigs Wusterhausen	28.15	FBH	Beyrouth, Syria	
DDSY	Seydite	175	DIM	Konigs Wusterhausen	26	FBI	Tunis, North Africa	35, 30
DDTZ			DIN	Konigs Wusterhausen	28.54	FBVY	Ville Dip	
DDUF	Fielda	175	DIO	Konigs Wusterhausen	28.66	FCF	Casablanca, Morocco	53, 61.8, 26
DDUZ	Stuttgart	175	DIP	Konigs Wusterhausen	31.94	FEAI	Oueugla, Africa	
DDVN	Sierra Ventana	175	DIQ	Konigs Wusterhausen	14.6, 3283	FFP	La Havre	
DDX	Fimpelkof Berlin	175	DIR	Konigs Wusterhausen	34.76	FFS	S. Maries	35.5, 23.5
DDYB	Gen'l Artigas	175	DIS	Nauen	36.58	FFZ	Shanghai, China	
DDYO	Yorck	175	DIT	Nauen	39.80	FFZI	Koukaga, China	28.5
DDZI	Amerika	70, 25	DIU	Konigs Wusterhausen	51.81	FQA	Dakar, Fr. W. Africa	37, 31, 22.50
DEL	Nauen		DIW	Konigs Wusterhausen	26	FGB	Port Etienne, Fr. W. Africa	50
DEN	Nauen		DIY	Konigs Wusterhausen	28.54	FGB1	Port Etienne, Fr. W. Africa	
DENNE	Graf Zeppelin	37.3	DIZ	Konigs Wusterhausen	29.66	FGC	Conakry, Fr. W. Africa	34, 30.25, 22
DEP	Nauen		DJA	Konigs Wusterhausen	31.94	FGC1	Linegat, Fr. W. Africa	50
DES	Nauen		DKA	Konigs Wusterhausen	14.6, 3283	FGD	Tabou, Fr. Old Africa	39
DFA	Nauen	15.592	DKB	Konigs Wusterhausen	34.76	FGE	Grand Bassam, Fr. W. Africa	34.98, 33
DFB	Nauen	17.123	DKC	Konigs Wusterhausen	36.58	FEE1	Abidjan, Fr. Old Africa	32.37
DFC	Nauen	23.103	DKD	Konigs Wusterhausen	39.80	FGF	Agades, Fr. Old Africa	43
DFD	Nauen	20.457	DKE	Konigs Wusterhausen	51.81	FGG	Cotonou, Fr. W. Africa	32, 25
DFF	Nauen	30.582	DKF	Konigs Wusterhausen	91.7	FGH	Atac, Fr. Old Africa	34
DFG	Nauen	30.9	DKG	Konigs Wusterhausen	89.5	FGI	Chingnetti, Fr. Old Africa	27.5
DFI	Nauen		DKH	Konigs Wusterhausen	83.4	FGJ1	Bamako, Fr. W. Africa	34, 22
DFH	Nauen		DKI	Konigs Wusterhausen	69.8	FGK	Kabarab, Fr. W. Africa	29
DFJ	Nauen	40.91	DKJ	Konigs Wusterhausen	64.2	FGK1	Bamako, Fr. W. Africa	
DFK	Nauen	15.228	DKL	Konigs Wusterhausen	61.9	FGL	Aravuan, Fr. W. Africa	33
DFL	Nauen	27.65	DKM	Konigs Wusterhausen	57.2	FGM	Kidal, Fr. W. Africa	41
DFM	Nauen	16.416	DKN	Konigs Wusterhausen	54.6	FGN	Tindu, Fr. W. Africa	32
DFO	Nauen	30.832	DKO	Konigs Wusterhausen	52.7	FGO1	Tabona, Fr. Old Africa	42
DFOA	Amsel	190, 160	DKP	Konigs Wusterhausen	48	FGP	Agades, Fr. W. Africa	34.50
DFOB	Bahrenfeld	190, 160, 180.72, 153.06	DKQ	Konigs Wusterhausen	43.8	FGQ	Bilma, Fr. Old Africa	29
DFOC	Grauz	190, 160	DKR	Karlsruhe	36.8	FGU1	Akjoout, Fr. W. Africa	54
DFOD	Ditmar Koel	190, 180.72, 169.1, 153.06	DKS	Coblentz	35.7	FGV	M'Bout, Fr. Old Africa	42
DFOE	Bremen	190, 160	DKT	Altehand	37.5, 67.76, 82.9	FGW	Kaedi, Fr. Africa	42, 57, 37, 27
DFOF	Weser	190, 160	DKA	Hilde	190, 180.72, 163.1, 153.06	EGW1	Kaedi, Fr. W. Africa	45
DFOG	Weiskalen	190, 160	DKB	Ernst von Briesen	190, 180.72, 169.1, 153.06	FGX	Dsmailia, Egypt	
DFOH	Huxtec	190, 160	DKC	Dolly Kublin	190, 160	FGX1	Ziguineher, Fr. Old Africa	42
DFOL	Pickhuber	190, 160	DKD	Hilrich Freise	190, 160	FGY1	Killa, Fr. Old Africa	42
DFOJ	Hans Joachim	190, 160	DKE	Fridericus Rex	190, 160	FGZ	Calafraza, Malta	57, 37, 26.70, 17
DFOK	Konigsberg	190, 160	DKF	Jacob Golschmielt	190, 160	FGZ1	Nonahshots, Fr. W. Africa	57, 54
DFOL	Leipzig	190, 160	DKG	Pres. Von Hindenberg	190, 160	FHA1	Lome, Togo	22.43
DFOM	Marie Schroder	190, 160	DKH	Johann Stadthander	190, 160	FHA2	Lome, Togo	35
DFON	Nachtigall	190, 160	DKI	Konsul Dubbers	190, 169.01, 183.72, 153.06	FHB	Beyrouth, Syria	
DFOO	John Mabb	190, 180.72, 169.1, 153.06	DKJ	Skoepenbank	190, 160	FHH	Pointe Noire, Fr. E. Africa	32
DFOP	Dortmund	190, 160	DKK	Fritz Homann	190, 160	FHH1	Pointe Noire, Fr. E. Africa	32
DFOQ	Flensburg	190, 180.72, 169.01, 153.06	DKL	Nordland	190, 160	FHL	Port Gentil, Fr. E. Africa	41
DFOR	Mariene	190, 160	DKM	Oscar Neynaber	190, 160	FHL1	Port Gentil, Fr. E. Africa	41
DFOS	Hauseat	190, 160	DKN	Spica	190, 160	FHM	Lambarene, Fr. E. Africa	23
DFOT	Neufundland	190, 160	DKO	Heinrich Buerin	190, 180.72, 169.01, 153.06	FHP	Bangui, Fr. E. Africa	45.75
DFOU	Stubbenhuk	190, 160	DKP	Orion	190, 180.72, 169.01, 153.06	FHT	Fort Lamy, Fr. E. Africa	43
DFOV	Vouvaris	190, 160	DKQ	Julius Pickenpaek	190, 180.72, 160.01, 153.06	FHZ	Brazzaville, Fr. Old Africa	27
DFOW	Edward	190, 160	DKR	Schleswig	190, 180.72, 169.01, 153.06			
DFOX	Antgachthirt	190, 160	DKS	Hamburg	190, 180.72, 160.01, 153.06			
DFOY	Marie Richardson	190, 160	DKT	August Wriedo	190, 163			
DFOZ	Carsten Rehler	190, 160	DKU	Elsie Schroder	190, 160			
DFP	Nauen	37.89	DPO	Fritz Schroder	190, 160			
DFQ	Nauen	16.567	DPO1	Kap Kanin	190, 180.72, 160.01, 153.06			
DFR	Nauen	19.237	DPO2	Koblentz	190, 180.72, 169.01, 153.06			
DFS	Nauen		DPO3	Adolf Kubling	180.72, 169.01			
DFT	Nauen	38.40	DPO4	Marve	180.72, 169.01			

Table with columns: Call Letters, Location, Wavelength (meters), Call Letters, Location, Wavelength (meters), Call Letters, Location, Wavelength (meters). Rows list various radio stations and their frequencies, such as GED Andora, GFDB British Colonel, and GNP Ongar.

Table with columns: Call Letters, Location, Wavelength (meters). Includes sections for HSA-HSZ SIAM, HAA-HAZ HUNGARY, HBA-HBZ SWITZERLAND, HCA-HCZ ECUADOR, HHA-HHZ HAITI, HIA-HIZ DOMINICAN REPUBLIC, HJA-HKZ COLOMBIA, HRA-HRZ HONDURAS.

Table with columns: Call Letters, Location, Wavelength (meters). Includes sections for HSA-HSZ SIAM, ITALY (and Colonies), J--JAPAN.

Table with columns: Call Letters, Location, Wavelength (meters). Includes sections for JES, JAA-LAZ NORWAY, JLA-LZL NORWAY.

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
LCPT	Kong King		LOL	Darsena Norte	34.52	OKA—OKZ CZECHOSLOVAKIA		
LCPW	S. C. Brovig	36, 27	LON	Buenos Aires	48.3			
LCQ	Jeloy	19.15	LOR	Buenos Aires	34.84	OKH	Praha	44.64, 22.63, 14.286
LCL	Jeloy	15.07	LOW	Trelew	34.40	OKI	Praha	33.67, 16.66
LCS	Jeloy	15.055	LP	Buenos Aires		OKIMP	Praha	58.3, 49.76
LCSB	Dalavangen	36.6, 33.7, 27.3, 26.3	LP2	Buenos Aires		OKN	Praha	40.65
LCSG	Lancing	35.1, 33.7	LP3	Monte Grande		ONA—OTT BELGIUM AND COLONIES		
LCT	Tyholt	50.3, 35.85	LP4	Monte Grande				
LCTE	Markland	35.1, 33.7	LP5	Monte Grande		ONC	Coquilhatville, Belg. Congo	24.39
LCTF	Thor 1	34, 27	LPD	General Pacheco Radio	36	ONDB	Slains Welvaren	180
LCTJ	Thorhammer	35.1, 33.7	LPF	Formosa	44.05	ONH	Bruxelles, Belg. Congo	55
LCTN	Maudie	35.1, 33.7, 27.3, 26.3	LPG	General Pacheco	36	ONLB	Leopoldville	36, 24, 18
LCTX	Lindvanjen	36.6, 33.7, 27.3, 26.3	LPI	Monte Grande	33.84	ONMB	Lindbergh II	180
LCTY	Polartank	35.1, 33.7	LPH	Buenos Aires	27.27	ONNB	Teniers	180
LCUC	Nordanger	36.1, 26.8, 24, 18	LPJ	Correntoso		ONOB	Remoquerer	180
LCUG	Fanny Hoegh	35.1, 33.7	LPL	Buenos Aires	32	ONRB	Annie	180
LCUH	Norwegia	35.1, 33.7, 27.3, 26.3	LPM	Bariloche				
LCUO	Nielson Alonso	35.1, 33.7	LPN	Laguna Blanca				
LCUV	Orwell	36, 27	LPQ	Alto de Sierra				
LCVB	Turicum	35.1, 33.7, 27.3, 26.3	LPR	Buenos Aires	56.02			
LCWF	Roald Amundson	36, 27	LPV	Monte Grande				
LCWK	Rouald	35.1, 33.7, 27.3, 26.3	LQ	Monte Grande	30.94			
LCLX	Dagfred	35.1, 32.7	LQB	Buenos Aires	19.10			
LCLM	Vestfold	36, 24	LQC	Buenos Aires	17.043			
LCLX	Su Jas Ross Clark	36, 27	LQD	Buenos Aires	15.463			
LCY	Jeloy	30.12	LQE	Buenos Aires	27.6			
LCYZ	Stella Polaria	36, 24	LQK	Buenos Aires	7.246			
LCZ	Jeloy	30.11	LQL	Buenos Aires	7.309			
LCZI	Brusen 10.	110	LQM	Buenos Aires	26.109			
LDAH	Tennessee	36, 27	LQN	Buenos Aires	25.816			
LDAL	Thalatta	33.8	LQO	Buenos Aires	14.045			
LDAN	Theodore Roosevelt		LRA	Orkney Is.	27			
LODD	Tyr		LRO	Buenos Aires	138.57			
LDDI	Kosmos 2	36.6, 33.7, 27.3, 26.3	LS	Monte Grande	30.9			
LDGC	Solstrif.	33.8	LSA	Monte Grande				
LDMG	Ole Wegger	36, 27	LSB	Monte Grande				
LDGQ	Dagrun	35.1, 33.7	LSC					
LDMH	Sando	35.1, 33.7	LSD	Monte Grande	33.97			
LDHN	Ankara	33.7	LSE	Monte Grande	14.62, 30.602			
LDIB	Skytteren	35.1, 33.7	LSF	Monte Grande	15.30			
LDIM	Tayim	33.8	LSG	Buenos Aires	15.02			
LDIR	Templar	36, 27	LSH	Monte Grande	14.5			
LDIQ	Egero	35.1, 33.7	LSI	Monte Grande				
LDIY	Tai Ping	33.8	LSJ	Monte Grande	20			
LDJP	Hudd 3	35.1, 33.7, 27.3, 26.3	LSK	Buenos Aires	82.45			
LDKS	Kosmos	35.1, 33.7, 27.3, 26.3	LSL	Buenos Aires	37.969, 29.126			
LDLI	Raavik	36, 27	LSM	Buenos Aires	29.13, 20.69, 15.67			
LDLN	Storaas				14.18, 14.10, 13.41			
LDMD	Solglimt	36, 27	LSN	Buenos Aires	30.33, 24.61, 20.65			
LDMQ	Arna	35.1, 33.7			18.57, 16.83, 15.27,			
LDMB	Tudor	36, 27			14.27			
LDNE	Bisca	36						
LDMV	South Africa	35.1, 33.7	LSO	Buenos Aires	52.61			
LDQB	Thermophila	36, 27	LSR	Buenos Aires	15.82			
LDOI	Minister Wedel	35.1, 33.7	LSS	Buenos Aires	22.14			
LDOJ	Silva		LST	Buenos Aires	32.53			
LDPE	Skudd 5	35.1, 33.7	LSU	Buenos Aires	26.71			
LDPL	Velma	35.1, 33.7	LSV	Buenos Aires	44.58, 26.71			
LDPO	Thorshaon	35.1, 33.7, 27.3, 26.3	LSW	Monte Grande	30.48, 26.71			
LDPP	Thorshotm	35.1, 33.7, 27.3, 26.3	LSX	Monte Grande	28.59			
LDQE	Bouvet 1	35.1, 33.7	LSY	Monte Grande	14.49			
LDQQ	Nore	36, 27	LSZ	Monte Grande	27.17			
LDQR	Norfold	36, 27	LVA	Guatemala City				
LDQS	Novvinn	36, 27	LVB	Buenos Aires	110.63.03, 55.99, 34.01			
LDQT	Norbis	36, 27	LVM	Buenos Aires	108, 52.35, 60			
LDQU	Vigdis	36, 27	LVP	Bahia Blanca	110.49, 51.90			
LDQX	Vestvangen	35.1, 33.7, 27.3, 26.3	LVQ	Buenos Aires	107.14, 61.54			
LDRK	Austvangen	36.6, 33.7, 27.3, 26.3	LVR	Buenos Aires	53.96			
LDRM	Troja	36, 27	LVS	Buenos Aires				
LDRZ	Haia Rindsen		LZA—LZZ BULGARIA					
LDSB	Haydert	60, 30	LZA	Sofia	20.4			
LDSO	Norden	35.1, 33.7	LZB	Sofia	40.21			
LDSP	Korsbik	27.3, 26.3	M—GREAT BRITAIN					
LDSQ	Fjordaas	35.1, 33.7	MMC	(Troni Lighthouse)				
LDSR	Vardaas	35.1, 33.7	MMK	Kinniard Lighthouse				
LDSY	Svend Foyn	36, 24	MSG	Skerry Lighthouse				
LDVA	Pontos	36, 27	MUU	Carnaron, Wales				
LDW	Fauske		OAA—OBZ—OCA—OCZ PERU					
LECA	Svend Foyn 2	35.1, 33.7, 27.3, 26.3	OBW	Lima	97.52			
LEHM	Vislehari	36, 27	OCA	Lima	53.47			
LFA	Bergensfjord	36, 27	OCB	Lima	33.76			
LFBA	Bergensfjord	36, 27	OCAC	Lima	34.39			
LGB	Bergar	35.71, 26.99, 18.10	OCAD	Lima	97.52			
LGF	Fauske	47.5, 30	OCAE	Taena	53.47			
LGI	Jeloy	45.8, 37.5, 26.9, 23.75	OCAF	Taena	33.76			
LGN	Bergen	30	OCAG	Taena	97.52			
LGN	Bergen	35.93, 27.15, 18.20	OCAH	Chielayo	53.47			
LGS	Svalbard	39, 32.5, 25.98	OCAI	Chielayo	53.47			
LHIA	Suderooy	35.1, 33.7	OCAJ	Chielayo	33.76			
LMB	Bergen	104, 43	OCI	Lima	51.90, 27.35, 16.06			
LMJ	Jan Mayen	36, 31	OCJ	Lima	38.36, 19.2, 14.17			
LMO	Oslo	104, 50.5	OCK	Lima	82.7, 39.27, 20.38			
LMT	Toromso	43	OCV	Lima	30.226, 15.144			
LOAD	Almicante Brown	36.45	OCW	Lima	30.612, 15.329			
LOAH	Fragata Sarmiento	36, 18	OCX	Lima	31.104, 15.547			
LOBW	Chaco	36, 18	OCY	Lima	30.015, 15.236			
LOC	Formosa	36	OCZ	Lima	50.75, 43.7, 36.8,			
LOFA	Ciudad de Corrientes	36, 18			22.90			
LOFB	Ciudad de Concepcion	72.02, 36	OFA—OGZ—OHA—OHZ FINLAND					
LOFD	Astra III		OFF	Helsinki	33.7			
LOFH	Berna	36, 18	OFR	Helsinki	131			
LOFI	Bruselas	72.02, 36, 18	OFT	Uto	111.11			
LOFK	Ciudad de Buenos Aires	36, 18	OFB	Helsinki	33.7			
LOFM	Ernsto Tornquist	36, 27	OFH	Aranda	80			
LOFP	General Alvear	72.02, 36, 18	OFQ	Suursaari	80			
LOFQ	Harpon	36, 27	OFHCQ	Sumen Nelto	80			
LOGJ	Washington	36, 18	OFHCW	Sumen Nelto	80			
LOGO	Ciudad de Asuncion	36, 18	OFHFI	Lappena	90			
LOGR	Iguazu	36, 18	OHG	Helsinki	101			
LOGS	Guayra	72.02, 36, 18	OHH	Hanko	34.98			
LOGV	Triton	72, 36, 18	OHN	Hanko	154.6			
LOGW	General Artigas	72, 36, 18	OHO	Merinkulkuatitius	102			
LOK	Buenos Aires	34.97						

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
PLW	Malabar	36.92	PQR	Rio Branco, Acre	98.37	PREC	Sao Paulo	38.71
PLX	Malabar	11.44	PQRA	Rio Branco Acre	37.15	PREL	Dios Corregos	38.41
PLY	Malabar	12.6	PQRB	Rio Branco Acre		PREM	Sao Paulo	38.41
PLZ	Malabar	13.04	PQRC	Rio Branco Acre	20.33	PRF	S. Carlos	38.41
PMA	Malabar	15.54, 15.48	PQRD	Rio Branco Acre	14.53	PRG	Garcia	38.57
PMB	Malabar	14.53	PQSA	Santarem	97.7	PREH	Jahu	
PMC	Tjimindi	16.56, 16.53	PQSB	Santarem	40.677	PREI	Pederneras	
PMD	Malabar	37.5	PQSC	Santarem	22.404	PREJ	Campinas	38.45
PME	Malabar	38.11	PQSD	Santarem	20.29	PREK	Bauru	
PMF	Malabar	39.93	PQTA	Tarauca	97.4	PREL	Rio Clara	
PMG	Malabar	40.22, 40.18	PQTB	Tarauca	27.57	PREM	Maria	38.87
PMH	Malabar	44.64	PQTC	Tarauca	20.249	PRF	Fortaleza	62.37
PMI	Tjilim	51	PQUA	Itatuba Para	96.64	PRFA	Florianopolis	44.71
PMW	Riouw Is.	40.76, 32.12	PQUB	Itaituba Para	43.509	PRFB	Florianopolis	44.06
PNX	Degoel	26.95	PQUC	Itaituba Para	36.88	PRFC	Florianopolis	30.89
POV	Bintang Is.	100, 60.7	PQVA	Porto Velho	20.08	PRFD	Florianopolis	28
POW	Sumatra	100, 70.6, 50.7	PQVB	Porto Velho	44.49	PRFE	Florianopolis	23.22
POZ	Beraoe Borneo	37.08	PQVC	Porto Velho	32.12	PRFF	Florianopolis	146.3
			PQVD	Altamira	20.04	PRFG	S. Gabriel	76.8
			PQVE	Altamira	96.02	PRFH	Corumba	22.87
			PQVF	Altamira Para	38	PRFI	Corumba	139.6
			PQVG	Altamira Para	19.93	PRFJ	Pelotas	
			PQVH	Xapury	95.69	PRFK	Rio de Janeiro	40.84, 38.12, 26.8
			PQVI	Xapury	22.865	PRFL	Livramento	76.8
			PQVJ	Xapury	19.907	PRFN	Rio de Janeiro	29.01
			PQVK	Araguaya	95.38	PRFO	Rio de Janeiro	27.78
			PQVL	Araguaya	38	PRG	Fortaleza	54.446
			PQVM	Araguaya	36.85	PRGA	Avandia Rio de Janeiro	83.4
			PQVN	Araguaya	27.829	PRGB	Bahia	83
			PQVO	Araguaya	19.88	PRGC	Bahia	83.4
			PQVP	Soane Para	94.8	PRGD	Florianopolis	83.4, 75, 85, 34.48
			PQVQ	Soane Para	42.978	PRGE	Florianopolis	83.4
			PQVR	Soane Para	34.92	PRGI	Fernando de Noronha	83.3
			PQVS	Soane Para	19.51	PRGJ	Porto Alegre	83.3
			PQVT	Porto Alegre	61.86	PRGM	Maccio	83.4
			PQVU	Rio de Janeiro	60.97	PRGN	Natal, Norte	83.4
			PQVV	Recife	160	PRGP	Pelotas	83.4
			PQVW	Recife	160	PRGR	Recife	83.4
			PQVX	Joao Pessoa	160	PRGS	Santos	83.4
			PQVY	Campina Grande	160	PRGV	Victoria	83.4
			PQVZ	North Natal	160	PRH	Fortaleza	27.22
			PQWA	Joao Pessoa	70.1	PRIA	Iguasuu	62.12
			PQWB	Campina Grande	70.1	PRIAA	Iguasuu	76
			PQWC	Recife	70.1	PRIAB	Iguasuu	33.76
			PQWD	Rio Branco	70.1	PRIAC	Iguasuu	18.99
			PQWE	Limoeiro	70.1	PRIAD	Iguasuu	89.68
			PQWF	Caruaru	70.1	PRIAE	Cachoeira	86.8
			PQWG	Granhums	70.1	PRIF	Nietheroy	61.09
			PQWH	Rio de Janeiro	170	PRIG	Nietheroy	39.61
			PQWI	Rio de Janeiro	170	PRIH	Nietheroy	27.397
			PQWJ	Recife	63.02	PRII	Nietheroy	22.03
			PQWJ	Seria Grande	63.02	PRIJ	Recife	15.564
			PQWK	Rio de Janeiro	27.3	PRIK	Recife	14.45
			PQWL	Porto Alegre	28.45	PRIL	Cachoeira	65.3
			PQWM	Belem	28.45	PRIM	Cachoeira	32.68
			PQWN	Campina Grande	80	PRIN	Cachoeira	24.54
			PQWO	Recife	80	PRIO	S. Paulo	140.1
			PQWP	Natal Norte	80	PRIP	S. Paulo	43.041
			PQWQ	S. Paulo	33	PRIQ	S. Paulo	37.5
			PQWR	S. Vicente	33	PRIR	S. Paulo	33.78
			PQWS	Rio de Janeiro	54.05	PRIS	S. Paulo	27.78
			PQWT	Corumba	105.8	PRIT	S. Paulo	22.935
			PQWU	Corumba	42.92	PRIU	Recife	44.31
			PQWV	Corumba	23.37	PRIV	Recife	43.103
			PQWV	Porto Alegre	44.64	PRIW	Recife	31.03
			PQWV	Porto Alegre	29.296	PRIX	Recife	27.6
			PQWV	Porto Alegre	23.36	PRIY	Recife	27.6
			PQWV	Porto Alegre	14.59	PRIZ	Recife	22.97
			PQWX	Porto Alegre	149.3	PRJ	Therezima	54.25
			PQWY	Rio de Janeiro	147.8	PRJA	Rio de Janeiro	75
			PQWZ	Rio de Janeiro	44.94	PRJB	Bauru	57.91
			PQWA	Rio de Janeiro	44.09	PRJC	Rio Preto	51.24
			PQWB	Rio de Janeiro	35.05	PRJD	Bahia	75
			PQWC	Rio de Janeiro	34.965	PRJE	Bahia	34.88
			PQWD	Rio de Janeiro	28.45	PRJF	Bahia	34.88
			PQWE	Rio de Janeiro	25	PRJG	Bahia	34.88
			PQWF	Rio de Janeiro	22.59	PRJH	Caravellas	75
			PQWG	Rio de Janeiro	22	PRJI	Caravellas	34.88
			PQWH	Rio de Janeiro	21.645	PRJK	Caravellas	75
			PQWI	Rio de Janeiro	21.24	PRJM	Caravellas	34.88
			PQWJ	Rio de Janeiro	20.006	PRJN	Caravellas	34.48
			PQWK	Rio de Janeiro	19.48	PRJO	Rio de Janeiro	34.88
			PQWL	Rio de Janeiro	19.32	PRJP	Fernando de Noronha	75
			PQWM	Rio de Janeiro	15.457	PRJS	Fernando de Noronha	34.88
			PQWN	Rio de Janeiro	14.23	PRJT	Fernando de Noronha	34.48
			PQWO	Rio de Janeiro	63.56	PRJU	Rio de Janeiro	
			PQWP	Gayaz	33.04	PRJV	Florianopolis	75
			PQWQ	Rio de Janeiro	36.10	PRJW	Florianopolis	34.88
			PQWR	Fortaleza	44.09	PRJX	Florianopolis	34.48
			PQWS	Fortaleza	27.9	PRJY	Florianopolis	27.13
			PQWT	Fortaleza	23.264	PRK	Florianopolis	75
			PQWU	Fortaleza	147	PRKA	Maccio	75
			PQWV	Paranagua	43.96	PRKC	Maccio	34.88
			PQWV	Paranagua	31.712	PRKD	Maccio	34.48
			PQWV	Paranagua	23.17	PRKE	Natal Norte	75
			PQWV	Paranagua	145.6	PRKG	Natal Norte	34.88
			PQWV	Bello Horizonte	43.77	PRKH	Natal Norte	34.48
			PQWV	Bello Horizonte	32.26	PRKI	Santos	75
			PQWV	Bello Horizonte	28.638	PRKK	Santos	34.88
			PQWV	Maccio	30.87	PRKL	Santos	34.48
			PQWV	Natal, Norte	24.74	PRKM	Pelotas	75
			PQWV	Mossoro	43.509	PRKN	Pelotas	34.88
			PQWV	Mossoro	34	PRKO	Pelotas	34.48
			PQWV	Mossoro	23.09	PRKP	Pelotas	34.88
			PQWV	Mossoro	143.6	PRKQ	Porto Alegre	75
			PQWV	Natal, Norte	43.42	PRKR	Porto Alegre	34.88
			PQWV	Natal, Norte	39.3	PRKS	Porto Alegre	34.48
			PQWV	Natal, Norte	38.12	PRKT	Porto Alegre	34.88
			PQWV	Natal, Norte	34	PRKV	Porto Alegre	75
			PQWV	Natal, Norte	28.50	PRKW	Recife	75
			PQWV	Natal, Norte	23.04	PRKY	Recife	34.88
			PQWV	Natal, Norte	143.9	PRKZ	Recife	61.98
			PQWV	Natal, Norte	144.9	PRL	Victoria	25.93
			PQWV	Natal, Norte	27.08	PRLA	Sepetiba	56.6
			PQWV	Araragua		PRLB	Sao Paulo	37.75
			PQWV	Duartina	38.47	PRLC	S. Paulo	28.195
						PRLD	S. Paulo	34.88
						PRLG	Sepetiba	51.87
						PRLH	Sepetiba	25.93
						PRLI	Nietheroy	133.4
						PRLJ	Recife	14.09
						PRLK	Bahia	44.12

PPA-PYZ BRAZIL

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
PRLN	Bahia	30.09	PRRO	Rio de Janeiro	65.94	PSABI	Guantabara	
PRLQ	Bahia	25.8	PRRV	Boa Vista	38	PSACA	Ypiranga	
PRLP	Bahia	23.31	PRS	Salinas	54.545	PSACB	Marapicu	15.78
PRLQ	Bahia	148.5	PRSA	Porto Alegre	97.4	PSB	Marapicu	16.09
PRLR	Lages	44.71	PRSB	Bahia	53.47	PSD	Marapicu	19.907
PRLS	Lages	43.668	PRSC	Bahia	33.73	PSE	Marapicu	20.08
PRLT	Lages	25.168	PRSD	Bahia	24.05	PSF	Marapicu	20.43
PRLU	Lages	144.2	PRSE	Porto Alegre	53.47	PSG	Marapicu	27.881
PRLV	S. Francisco	44.71	PRSF	Porto Alegre	33.73	PSH	Marapicu	29.354
PRLW	S. Francisco	43.2	PRSG	Porto Alegre	24.05	PSI	Marapicu	31.06
PRLX	S. Francisco	23.01	PRSH	Porto Alegre	97.41	PSJ	Marapicu	36.65
PRLY	S. Francisco	142.2	PRSL	Belem	53.47	PSK	Marapicu	37.807
PRM	Victoria	54.15	PRSM	Belem Para.	24.05	PSL	Recife	14.39
PRMA	Rio de Janeiro	50.4	PRSN	Belem Para.	33.73	PSM	Recife	43.59
PRMB	Barbacena	50.2	PRSO	Belem Para.	24.05	PSX	Recife	38.56
PRMC	Carangola	60.2	PRSP	Rio de Janeiro	24.05	PSY	Recife	75.57
PRMD	Diatantina	60.2	PRSQ	Rio de Janeiro	33.73	PSZ	Recife	69.12
PRME	Jamuarua	50.4	PRSR	Rio de Janeiro	33.73	PTA	Obidos	59.53
PRMF	S. Sebastiao	50.4	PRSS	Rio de Janeiro	97.41	PTAB	Obidos Para.	25.762
PRMG	Uberaba	50.335	PRST	Rio de Janeiro	53.47	PTAC	Obidos Para.	69.05
PRMH	Bello Horizonte	50.5	PRST	Fortaleza	97.41	PTAD	Obidos Para.	68.82
PRMI	Pirapora	50.5	PRSU	Fortaleza	53.47	PTAF	Itajuba	68.54
PRMJ	Juiz de Fora	50.5	PRSV	Fortaleza	33.73	PTAG	Palicoa (Rio)	68.97
PRMK	Pocos de Caldas	50.5	PRSW	Fortaleza	24.05	PTAH	Bello Horizonte	68.54
PRML	Paracatu	60.5	PRSY	Bahia	34.863	PTAI	Cacaupara	68.54
PRMM	Oliveria	50.50	PRSZ	Parangagua	34.48	PTAJ	Ipameri	70.05
PRMP	Bello Horizonte	50.7	PRT	Salinas	27.247	PTAL	Bella Vista	68.19
PRMW	Bello Horizonte	50	PRTA	Victoria	34.88	PTAN	Ponta Para	67.95
PRMX	Rio de Janeiro	50.167	PRTB	Victoria	34.48	PTAO	S. Paulo	67.88
PRMZ	Pocos de Caldas	50.335	PRTX	Portatil	32.22, 32.12, 32	PTAP	Rio de Janeiro	67.7
PRN	Victoria	27.1	PRTY	Portatil	32.22, 32.12, 32	PTAR	Governor Petropolis	67.43
PRNA	Dom Pedro (Rio)	67.27	PRTZ	Portatil	32.22, 32.12, 32	PTB	Belem Para.	75.38
PRNB	Bello Horizonte	37.08	PRU	Florianopolis	61.35	PTBA	Rio de Janeiro	63.69
PRNC	Coryntho	66.96	PRUA	Aracatuba	33.84	PTBB	Rio de Janeiro	54.744
PRND	Sao Paulo	66.82	PRUB	Bauru	33.84	PTBD	Rio de Janeiro	57.81
PRNE	Carro 18A	36.3	PRUC	Sao Paulo	33.84	PTBE	Rio de Janeiro	63.3
PRNF	Carro 20A	36.3	PRUD	Boutuatu	33.84	PTBF	Rio de Janeiro	59.17
PRNG	Portatil	36.3	PRUE	Pres. of Brazil		PTBH	Rio de Janeiro	63.16
PRNH	Portatil	36.3	PRUF	Ribeirao	33.84	PTBJ	Rio de Janeiro	58.94
PRNI	Ibia	40.63	PRUG	Sao Paulo	33.84	PTBL	Santos	63.02
PRNJ	S. Joao D' El Rey	40.99	PRUH	S. Paulo	33.84	PTBM	Rio de Janeiro	59.76
PRNK	Barra do Piraby	36.83	PRUI	Sao Paulo	33.84	PTBN	Rio de Janeiro	59.65
PRNL	Bello Horizonte	38.95, 36.74	PRUJ	Rio Preto	33.84	PTBO	Itajuba	62.89
PRNM	Montes Claros	36.74	PRUK	Araraquara	33.84	PTBP	Ipameri Goyaz	25.696
PRNO	S. Paulo Norte	37.17	PRUL	Itarare	33.84	PTBQ	Ipameri Goyaz	26.304
PRNR	Ribeirao Vermelho	40.84	PRUM	Itarare	33.84	PTBR	S. Paulo	62.77
PRNS	Carro 9A	36.9	PRUN	Oruzieiro	33.84	PTBS	S. Paulo	60.37
PRNT	Lafayette	36.79	PRUO	Aracatuba	33.67	PTBT	S. Paulo	60.12
PRNU	Carro 10A	36.9	PRUP	Bauru, Sao Paulo	33.67	PTBU	Cacaupara	62.63
PRNV	Coryntho	65.65	PRUQ	S. Paulo	33.67	PTBV	Rio de Janeiro	60.5
PRNW	Coryntho	37.27	PRUR	Botucatu	33.67	PTBX	Rio de Janeiro	25.66
PRNX	S. Paulo	36.74	PRUS	President of Brazil	33.67	PTBY	Cacaupara	25.706
PRNY	Army	36.97	PRUT	Ribeirao Preto	33.67	PTC	S. Cruz (Rio)	75.19
PRNZ	Rio de Janeiro	36.6	PRUV	S. Paulo	33.67	PTCA	Bello Horizonte	59.88
PRO	Olinda	62.24	PRUW	Assis, Sao Paulo	33.67	PTCB	Bello Horizonte	25.72
PROA	Rio de Janeiro	27.52	PRUX	Sao Paulo	33.67	PTCD	Bella Vista	25.68
PROB	Itajuba	27.5	PRUY	Rio Preto	33.67	PTCE	Bella Vista	16.17
PROC	Recife	27.5	PRUZ	Araraquara	33.67	PTCG	Cuyaba	59.40
PROD	Rio de Janeiro	35	PRV	Itarare, Sao Paulo	33.67	PTCH	Cuaba	25.84
PROF	Rio de Janeiro	39.3	PRVA	Cruzeiro	53.86	PTCI	Curityba	59.29
PROG	Laguna	64.67	PRVB	Florianopolis	33.04	PTCJ	Curityba	25.906
PROI	Ibia	40.63	PRVC	Aracatuba	33.04	PTCL	Corumba	59.06
PROJ	S. Joao D' El Rey	40.98	PRVD	Bauru, Sao Paulo	33.04	PTCM	Corumba	25.96
PROK	S. Joao	40.458	PRVE	S. Paulo	33.04	PTCO	Bahia	58.6
PROL	Bello Horizonte	38.95	PRVF	Assis, Sao Paulo	33.04	PTCP	Bahia	22.06
PROM	Baria	39.38	PRVG	Sao Paulo	33.04	PTCQ	Bahia	16.41
PROO	Formiga	40.65	PRVI	Rio Preto	33.04	PTCR	Recife	26.09
PROQ	Bello Horizonte	36.74	PRVJ	Araraquara	33.04	PTCS	Recife	16.55
PROR	Ribeirao	40.84	PRVK	Itarare, Sao Paulo	33.04	PTCV	Rio de Janeiro	58.37
PROW	Rio de Janeiro	40.47	PRVL	Cruzeiro	33.04	PTCW	Rio de Janeiro	18.821
PRP	Olinda	54.35	PRVM	Florianopolis	26.98	PTCX	Rio de Janeiro	14.521
PRPA	Rio de Janeiro	96.308	PRWN	Taubate	84.27	PTD	Florianopolis	75
PRPB	Porto Alegre	96.318	PRW	Ourem Para	80.65	PTDA	Victoria	58.14
PRPC	Porto Alegre	52.35	PRWB	Ourem Para	36.97	PTDB	Victoria	26.246
PRPD	Porto Alegre	34.863	PRWF	Ourem Para	29.354	PTDD	St. Luiz	57.92
PRPE	Rio de Janeiro	52.35	PRWG	Parintins	80.86	PTDE	S. Luiz	27.347
PRPF	Rio de Janeiro	34.863	PRWH	Parintins	50.977	PTDF	S. Luiz do Maranhao	16.74
PRPG	Rio de Janeiro	27.52	PRWJ	Parintins	29.41	PTDG	Rio de Janeiro	65.46
PRPH	Bahia	96.308	PRWK	Parintins	23	PTDH	Rio de Janeiro	28.329
PRPI	Bahia	52.35	PRWL	Parintins	33.48	PTDI	Rio de Janeiro	25.09
PRPN	Natal Norte	96.308	PRWM	Victoria Piani	33.44	PTDJ	Rio de Janeiro	17.28
PRPP	Parangua	96.308	PRWN	Crato Ceara	88.89	PTDK	Rio de Janeiro	17.2
PRPQ	Parangua	52.35	PRWO	Crato Ceara	18.767	PTDM	Belem Para	26.3
PRPR	Recife	33.48	PRWP	Crato Ceara	88.62	PTDN	Belem Para	23.12
PRPS	Santos	33.18	PRWR	Porto Esperansa	33.22	PTDO	Belem Para	17.05
PRPT	Santos	27.3	PRWS	Porto Esperansa	18.59	PTDP	Belem Para	16.92
PRPU	Santos	22.55	PRWT	Porto Esperansa	88.10	PTDQ	Porto Alegre	25.99
PRPX	Natal Norte	52.35	PRWU	Curetyha	31.25	PTDR	Porto Alegre	16.34
PRPY	Natal Norte	34.863	PRWV	Curetyha	22.82	PTDS	Florianopolis	52.248
PRPZ	Natal Norte	25.66	PRWX	Curetyha	138.2	PTDT	Florianopolis	27.8
PRQ	Olinda	27.119	PRWY	Santos	61.61	PTDU	Florianopolis	18.945
PRQA	Florianopolis	33.9	PRX	Santos	60.851	PTDW	Peterpolis	60.606
PRQB	Porto Uniao	33.70	PRYA	Rio de Janeiro	33.94	PTDX	Juiz de Fora	27.42
PRQC	Herval	33.17	PRYB	Bahia	33.94	PTDZ	Nietheroy	27.985
PRQD	Joao Pissoca	51.68	PRYC	Mocanguie Rio	70	PTE	Escolia (Rio de Janeiro)	74.63
PRQE	Espirito Santo	52.22	PRYD	Rio de Janeiro	70	PTEA	Fortaleza	55.04
PRQF	Floris	30.52	PRYS	Santos Sao Paulo	33.94	PTEB	Fortaleza	27.75
PRQG	Princeza	52.35	PRZ	Santos	53.95	PTEC	Campo Grande	54.95
PRQH	Patos	52.45	PRZA	Jouzerio Bahia	25.74	PTEE	Campo Grande	27.68
PRQI	Parahyba	52.04	PRZB	Jouzerio Bahia	18.42	PTEG	Santos	25.07
PRQN	Parahyba	52.35	PRZC	Jouzerio Bahia	97.53	PTEH	Sorena Sao Paulo	54.844
PRQO	Parahyba	52.22	PSA	Marapicu	14.23	PTEI	Sorena Sao Paulo	27.726
PRQS	S. Jose do Egypto	30.53	PSABA	Rio de Janeiro		PTEL	S. Paulo	58.26
PRQT	Triumpho	31.12	PSABB	Sao Paulo		PTEM	S. Paulo	26.18
PRQV	Villa de Concencio	52.04	PSABC	Miami		PTEO	Ponta Para	25.67
PRR	Salinas	62.49	PSABD	Porto Alegre		PTEP	Ponta Para	16.27
PRRA	Thome	52.91	PSABE	Argentina		PTF	Fortaleza	74.26
PRRB	Belem Para	52.91	PSABF	P-BDAC		PTG	Campo Grande	74.08
PRRC	Rio de Janeiro	28.60				PTH	Lorenz	73.89
PRRD	Bahia	28.60				PTJ	Fortaleza de S. Joao	78.34
PRRF	S. Paulo Norte	65.5						
PRRG	Belem Para	44.06						
PRRH	Thome Assu	44.06						
PRRI	Belem	38						

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
PTK	Juiz de Fora	73.18	PVQD	Urbanopolis	19.163	PWJ	Rio de Janeiro	56.08
PTL	Fortaleza Sage, Rio de Janeiro	73	PVR	Faro Para	41.1	PWOC	Rio de Janeiro	48.455
PTM	S. Luiz do Maranhao	72.3	PVS	S. Miguel	38.02	PWOB	Rio de Janeiro	24, 213
PTN	Parahyba	71.94	PVT	Florianopolis	91.61	PWP	Natal Norte	28.94
PTO	Victoria Espirito Santo	71.78	PVTA	Florianopolis	76.2	PWQ	Natal Norte	26.549
PTP	S. Paulo	71.61	PVTB	Florianopolis	34.27	PWQA	Anhatomirim	55.26
PTQ	Quartel General, Rio de Janeiro	71.27	PVTC	Florianopolis	19.19	PWQB	Anhatomirim	47.85
PTR	Recife	71.10	PVU	Manacapuru	90.50	PWQC	Anhatomirim	25.66
PTS	Bahia	70.93	PVUA	Manacapuru	74.5	PWQD	Anhatomirim	23.97
PTT	Porto Alegre	70.1	PVUB	Manacapuru	33.89	PXA	Governador	78.13
PTU	Santos	70.1	PVUC	Manacapuru	19.08	PXB	Belem Para	80
PTV	Villa Militar, Rio de Janeiro	69.78	PVV	Arumanduba	82.17	PXC	Rio de Janeiro	
PTW	Corumba, Matto Grosso	69.66	PVVA	Arumanduba	37	PXD	Centro de Aviao	77.32
PTX	Sande Gueria, Rio de Janeiro	69.5	PVVB	Arumanduba	34.34	PXE	Estado Major, Rio de Janeiro	77.12
PTY	Curetyha	69.45	PVVC	Arumanduba	19.21	PXF	Escola de Grumetes, Rio de Janeiro	79.36
PTZ	Cuyaba	69.23	PVVD	Arumanduba	13.979	PXG	Mocangua Rio	76.33
PUA	Santos	27.06	PVW	Ponte Boa	90.78	PXH	Abrotilhos	60.22, 53.67, 60.69, 29.24, 26.84
PUD	Almirante Jacueyuy	61.22	PVWA	Ponte Boa	46.99	PXI	Willezaiguon	76.34
PUB	Junceao	60.728	PVWB	Ponte Boa	34.09	PXJ	Bio (Rio de Janeiro)	76.53
PUC	Junceao	53.76	PVWC	Ponte Boa	19.14	PXK	Rio de Janeiro Bay	77.52
PUD	Junceao	32.79, 24.5	PVWD	Ponte Boa	51.56	PXL	Sadario	78.74
PUE	Barra, Bahia	135.8, 40.41, 22.51	PVX	Cacheoria	36.88	PXM	S. Luiz de Maranhao	
PUF	Formiga	86.8, 55.3, 32.68	PVY	Igarape Miry	80.22	PXO	Armaeo	77.72
PUG	Bahia	24.54	PVZ	Boa Vista Para	50.67	PXP	Florianopolis	78.95, 57.7, 53.28, 29.06, 26.65
PUH	Carolina	86.59, 32.57, 24.60	PVZA	Boa Vista Para	29.3	PXPB	Florianopolis	78.95
PUI	Ilheus	135.2, 40.27, 22.32	PVZB	S. Isabel	80.43	PXQ	Rio Grande	75.76
PUI	Joenville	86.34, 32.33, 24.65	PVZG	S. Isabel	29.325	PXR	Raza (Ile) Rio de Janeiro	76.73
PUK	Joao Pessoa	134.5, 40.02, 34, 22.23	PVZH	S. Isabel	18.32	PXRQ	Rio Grande do Sul	
PUL	Livramento	86.10, 32.19, 24.71	PWA	Fernando de Noronha	79.16	PXS	Santos	75.95
PUN	Nietheroy	133.4, 61.11, 39.61	PWAA	Rio de Janeiro	77.92	PXT	Anhatomirim	76.14
PUR	Sobral	27.32, 22.03	PWAB	Rio de Janeiro	57.03	PXTL		
PUS	Sobral	85.55, 39.95, 32.16, 22.116	PWAC	Rio de Janeiro	56.93	PYA	Fernando de Noronha	75
PUP	Passo Fundo	96.33, 84.5, 24.77	PWAD	Rio de Janeiro	52.82	PYAA	Aquidama	107.52
PUR	Campinas	25.48, 32.05, 24.78	PWAE	Rio de Janeiro	28.68	PYAB	Aquidama	43.59
PUR	S. Borja	85.24, 31.92, 24.84	PWAF	Rio de Janeiro	28.61	PYAC	Aquidama	29.85
PUS	Santos	108.7, 39.56, 21.98	PWAG	Rio de Janeiro	28.59	PYAD	Aquidama	21.82
PUR	Theophilo	115.9, 108.3, 21.89	PWAH	Rio de Janeiro	25.146	PYAE	Pesquino	21.84
PUU	Uberaba	85.31, 85, 24.92	PWAJ	Rio de Janeiro	25.125	PYAF	Pesquino	18.56
PUR	Porto Murinho	84.76, 38.27, 24.93	PWAK	Rio de Janeiro	17.482	PYAG	Bage	83.8
PUR	Parahyba	84.52, 52.54, 31.06	PWAL	Rio de Janeiro	17.41	PYAH	Bage	58.03
PUX	Taubati	84.28, 52.45	PWAM	Rio de Janeiro	17.341	PYAI	Bage	52.22
PUY	Alto Uruguay	84.04, 52.35, 30.80	PWB	Fernando de Noronha	53.38	PYAJ	Bage	30.67
PUZ	Lazerato	107.9, 39.46, 34	PWBA	Belem Para	53.57	PYAL	Campus	83.57
PUZV	Victor de Fretas	46.15	PWBB	Belem Para	50.42	PYAM	Campus	52.13
PVA	Brasilia	94.49	PWBC	Belem Para	29.175	PYAN	Campus	51.24
PVAA	Brasilia	51.19	PWBD	Belem Para	26.82	PYAO	Campus	30.55
PVAB	Brasilia	47.49	PWBE	Belem Para	15.78	PYAP	S. Maria Sul	82.87
PVAC	Brasilia	34.82	PWC	Fernando de Noronha	50.08	PYAR	S. Maria Sul	51.81
PVAD	Brasilia	19.47	PWCA	Rio de Janeiro	56.5	PYAS	S. Maria Sul	29.97
PVAE	Ilheus	135.2	PWCB	Rio de Janeiro	48.70	PYAZ	Pesquino	87.91
PVAF	Ilheus	40.27	PWCC	Rio de Janeiro	25.05	PYBA	Goyaz	107.14
PVAG	Ilheus	40.27	PWCD	Rio de Janeiro	24.331	PYBB	Goyaz	31.15
PVAI	Joao Pessoa	134.5	PWCE	Rio de Janeiro	29.098	PYBC	Goyaz	21.778
PVAJ	Joao Pessoa	40.026	PWCF	Fernando de Noronha	56.29	PYBD	Uruguayana	82.64
PVAK	Joao Pessoa	34	PWD	Rio de Janeiro	48.62	PYBE	Uruguayana	51.68
PVAL	Joao Pessoa	22.238	PWDA	Rio de Janeiro	28.517	PYBF	Uruguayana	29.79
PVAM	Maceio	133.9	PWDB	Rio de Janeiro	16.09	PYBG	Cachoeiro	82.42
PVAN	Maceio	39.95	PWDC	Rio de Janeiro	15.37	PYBH	Cachoeiro	
PVAO	Maceio	22.116	PWDE	Rio de Janeiro	26.69	PYBM	Cachoeiro	29.76
PVAP	Borba	94.21	PWEE	Fernando de Noronha	53.47	PYBN	Jaguarao	82.2
PVAB	Borba	40.398	PWEA	Rio de Janeiro	50.25	PYBP	Jaguarao	51.51
PVAB	Borba	19.43	PWEB	Rio de Janeiro	29.16	PYBQ	Jaguarao	29.73
PVAC	Coary	93.46	PWEC	Rio de Janeiro	26.74	PYER	Dionysio Cerqueira	106.8
PVCA	Coary	50.85	PWED	Fernando de Noronha	16.025	PYEU	Dionysio Cerqueira	52.04
PVCB	Coary	43.14	PWEF	Rio de Janeiro	64.655	PYEV	Dionysio Cerqueira	44.7
PVCC	Coary	45.98	PWFA	Rio de Janeiro	56.179	PYEW	Dionysio Cerqueira	21.75
PVCD	Coary	25.4	PWFB	Rio de Janeiro	48.543	PYEX	Sobral	85.55
PVCE	Coary	19.386	PWFC	Rio de Janeiro	24.25	PYFY	Sobral	32.15
PVE	Albaiti	51.90	PWFD	Abrotilhos	53.67	PYCF	Fernando de Noronha	34.88
PVF	Villa Feijo	93.17	PWGA	Abrotilhos	50.59	PYCG	Carolina	86.58
PVG	Montenegro	81.97	PWGB	Abrotilhos	29.24	PYCH	Carolina	57.526
PVH	Caracaraby	81.76	PWGD	Abrotilhos	26.84	PYCI	Carolina	32.57
PVHA	Caracaraby	34.74	PWH	S. Luiz de Maranhao	78.33	PYCL	Montenegro	24.59
PVHB	Caracaraby	29.64	PWHA	Rio de Janeiro Bay	64.11	PYCM	Lazerato	51.41
PVHG	S. Borja	85.23	PWHB	Rio de Janeiro Bay	55.87	PYCN	Lazerato	29.68
PVHH	S. Borja	31.91	PWHC	Rio de Janeiro Bay	47.92	PYCO	Lazerato	107.9
PVHI	S. Borja	24.834	PWHO	Rio de Janeiro Bay	24.05	PYCP	Lazerato	44.91
PVHJ	S. Borja	21.46	PWI	S. Luiz de Maranhao	57.14	PYCY	Lazerato	39.447
PVHK	Uberaba	84.98	PWIA	Rio de Janeiro	64.24	PYD	Blumenau	137
PVHL	Uberaba	31.85	PWIB	Rio de Janeiro	55.97	PYD	Blumenau	44.71
PVHM	Uberaba	24.92	PWIC	Rio de Janeiro	48.076	PYD	Blumenau	22.63
PVI	Itacatiari	81.52	PWID	Rio de Janeiro	24.12	PYD	Pelotas	26.86
PVIA	Itacatiari	29.527	PWIE	S. Luiz de Maranhao	28.91	PYD	Barra Bahia	40.41
PVIB	Itacatiari	26.13	PWIJ	Rio de Janeiro Bay	63.97	PYD	Barra Bahia	29.01
PVJ	Itacatiari	81.52, 37.65, 29.52	PWJB	Rio de Janeiro Bay	56.71	PYD	Barra Bahia	22.51
PVJC	Cachoeira	34.64	PWJC	Rio de Janeiro Bay	56.63	PYD	Porto Alegre	30.03
PVK	Baiao	81.3	PWJD	Rio de Janeiro Bay	26.328	PYD	Barra Bahia	135.8
PVKA	Baiao Para	58.71	PWK	S. Luiz de Maranhao	26.502	PYD	Fernando de Noronha	34.48
PVKB	Baiao Para	51.15	PWKA	Sadario	53.19	PYD	Aracaju	137.6
PVKC	Baiao Para	29.498	PWKB	Sadario	29.01	PYD	Aracaju	37.01
PVL	Clevelandia	92.88	PWKC	Sadario	26.59	PYD	Aracaju	22.73
PVLA	Clevelandia	30.02	PWKL	Sadario	15.92	PYE	Natal Norte	75
PVLB	Clevelandia	34.52	PWLM	Nietheroy	63.42	PYEA	S. Luiz do Maranhao	33.84
PVVC	Clevelandia	19.28	PWLN	Nietheroy	56.62	PYEB	S. Luiz do Maranhao	19.05
PVM	Manicore	92.46	PWLQ	Nietheroy	52.72	PYEC	S. Luiz do Maranhao	90.23
PVMA	Manicore	35.05	PWLD	Nietheroy	26.36	PYED	Victoria	24.519
PVMB	Manicore	34.4	PWLE	Natal Norte	78.53	PYED	Victoria	22.84
PVMC	Manicore	19.24	PWMA	Florianopolis	57.7	PYED	Victoria	138.9
PVN	Porto Nacional	83.14	PWMB	Florianopolis	53.28	PYF	S. Maria	82.88, 51.81, 29.97
PVO	Obidos	81.08	PWMC	Florianopolis	29.06	PYG	Natal Norte	34.88
PVOA	Obidos Para	51.07	PWMD	Florianopolis	26.642	PYM	Natal Norte	34.48
PVOB	Obidos Para	29.47	PWN	Natal Norte	57.25	PYJ	Rio de Janeiro	75
PVOC	Obidos Para	24.29	PWNA	Rio Grande Sul	55.56	PYK	Rio de Janeiro	34.88
PVP	Marapanim	39.06	PWNB	Rio Grande Sul	47.7	PYL	Rio de Janeiro	34.48
PUPA	Marapanim	39	PWNC	Rio Grande Sul	28.409	PYM	Pelotas	75
PVQ	Urbanopolis	91.32, 76.3, 34.23, 24.4, 19.16	PWNO	Rio Grande Sul	23.847	PYQ	Pelotas	34.88
PVQA	Urbanopolis	76.3	PWOB	Natal Norte	53.1	PYQ	Pelotas	34.48
PVQB	Urbanopolis	34.23	PWOC	Rio de Janeiro	64.38	PYQ	Recife	51.203
PVQC	Urbanopolis	24.4	PWPA	Santos	55.658	PYR	Septiba	19.28
PVQD	Urbanopolis	24.4	PWPB	Santos	47.77	PYS	Porto Alegre	75
PVQO	Urbanopolis	24.4	PWPC	Santos	28.463	PYU	Porto Alegre	34.88
			PWPD	Santos	23.92			

Table with columns: Call Letters, Location, Wavelength (meters), Call Letters, Location, Wavelength (meters), Call Letters, Location, Wavelength (meters). Includes sections for PZA-PZZ SURINAM (Dutch Guiana) and RA A-RQZ UNION OF SOVIET, SOCIALIST REPUBLIC.

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
RFX	Doudinka	28.12	RGEK	Debessy	82, 66	RHAQ	Vladim.	71.942
RGAA	Khabarovsk	32	RGEL	Zoura	82, 66	RHAR	Zoubzka	21.829
RGAB	Nijni Novgorod	82, 80, 68, 66, 40.5	RGEM	Sviatogory	82, 66	RHAS	Titovka	70.522
RGAC	Peredvika	82, 80, 68, 66, 40.5	RGEN	Tehebokary	82, 66	RHAT	Leningrad	100.33
RGAD	Peredvika	82, 80, 68, 66, 40.5	RGEP	Ilinka	82, 66	RHAU	Ouchaki	102.04
RGAE	Peredvika	82, 80, 68, 66, 40.5	RGEQ	Poretok	82, 66	RHAV	Konovo	101.35, 82, 66
RGAF	Peredvika	82, 80, 68, 66, 40.5	RGER	Alatyr	82, 66	RHAW	Pachski Perevoz	101.35, 88, 66
RGAG	Peredvika	82, 80, 68, 66, 40.5	RGES	Chimourcha	82, 66	RHAX	Leningrad	75.95, 42.41
RGAH	Peredvika	82, 80, 68, 66, 40.5	RGET	Vakhtan	82, 66	RHAY	Leningrad	100.67
RGAI	Peredvika	82, 80, 68, 66, 40.5	RGEU	Pijma	82, 66	RHAZ	Tcherrepovets	101.35, 82, 66
RGAJ	Peredvika	82, 80, 68, 66, 40.5	RGEV	Chakhounia	82, 66	RHB	Tourkmeniskoe	61
RGAK	Iar	51.55	RGEW	Linda	82, 66	RHB1	Domojrovo	101.35, 82, 66
RGAN	Viatka	49.59	RGEX	Balakhna	82, 66	RHB2	Alekhoustehina	101.35, 82, 66
RGAO	Mouron	88.49, 71.09	RGEY	Pavlevo	82, 66	RHB3	Vintzy	101.35, 82, 66
RGAP	Nijni Novgorod	84.03, 56.82	RGEZ	Pochatov	82, 66	RHB4	Iadva	101.35, 82, 66
RGAQ	Ijensk	80.86, 52.17	RGF	Doudinka	58	RHB5	Noidaki	101.35, 82, 66
RGAR	Viatka	71.09, 36.1	RGF1	Portable		RHB6	Loukina	101.35, 82, 66
RGAS	Nijni Novgorod	93.17, 71.09	RGF2			RHB7	Chougozero	101.35, 82, 66
RGAT	Seinia	75.19, 42.92	RGF3			RHBA	Boketojve	102.38
RGAU	Kovergerio	82, 66				RHBB	Novorgev	100.3
RGAV	Demidvskoe	82, 66				RHBD	Leningrad	106.8
RGAW	Klukhany	82, 66				RHBE	Portable	82, 80, 68, 66, 40.5
RGAX	Lyskovo	82, 66	RGFA	Moukhtolovo	82, 66	RHBF	Leningrad	59.6, 48.7
RGAY	Mikhaïlovskoe	82, 66	RGFB	Arzamas	82, 66	RHBH	Leningrad	48.39
RGAZ	Koteinetch	87.97, 48	RGFC	Zoukoinovovo	82, 66	RHBL	Leningrad	101.35, 82, 66
RGBA	Bofehaha Kakela	82, 66	RGFD	Nijni Novgorod	82, 66	RHBM	Vonozero	101.35, 82, 66
RGBB	Betlonga	82, 66	RGFE	Mantouravo	101.35, 82, 66	RHBN	Belovitchi	101.35, 82, 66
RGBC	Sterfitzki Zarad.	82, 66	RGFF	Zologrio	101.35, 82, 66	RHBO	Vytijazi	101.35, 82, 66
RGBD	Varnavino	82, 66	RGFG	Georgievskoe	101.35, 82, 66	RHP	Oustujka	101.35, 82, 66
RGBE	Veltoujskaia	82, 66	RGG	Tassuvo	66.5	RHBQ	Kholora	101.35, 82, 66
RGBF	Ouren	82, 66	RGH	Dufa	80.43	RHBR	Belyi Bytchok	101.35, 82, 66
RGBG	Elkino	82, 66	RGI	Baimak	69.76	RHBS	Belozersk	101.35, 82, 66
RGBH	Voskresenloe	82, 66	RGIA	Arkhangelsk.	82, 51.63	RHBT	Portable	82, 80, 68, 66
RGBI	Kosmodemiansk	82, 66	RGIB	Kotlas	80, 68, 66	RHBU	Novgorod	101.35, 82, 66
RGBJ	Viatka	82, 66	RGIC	Bereznjak	80, 68, 66	RHBV	Senoutino	101.35, 82, 66
RGBK	Viatka	82, 66	RGID	Pinuga	80, 68, 66	RHC	Portable	82, 68, 66, 40.5
RGBL	Onoutuinsk	82, 66	RGIE	Emetsk	80, 68, 66	RHC1	Eremina Gera	101.35, 82, 66
RGBM	Peskevakoe	82, 66	RGIF	Khomlogory	80, 68, 66	RHC2	Tikhoin	101.35, 82, 66
RGBN	Polom	82, 66	RGIG	Onega	80, 68, 66	RHC3	Teherentzovo	101.35, 82, 66
RGBO	Kholounitza Oustie	82, 66	RGIH	Letchorekenskoe	80, 68, 66	RHC4	Smolino	101.35, 82, 66
RGBP	Moulino	82, 66	RGII	Kargopol	80, 68, 66	RHC5	Koleki	101.35, 82, 66
RGBQ	Kobra	82, 66	RGIJ	Verkhnaia Toima	80, 68, 66	RHC6	Rykevo	101.35, 80, 66
RGBR	Soza Oustie	82, 66	RGIK	Kitchmenski	80, 68, 66	RHD	Okha	55
RGBS	Tchernia Oustie	82, 66	RGIL	Nuksenitsa	80, 68, 66	RHE	Petropavlovsk	58
RGBT	Sinegorie	82, 66	RGIM	Nikolsk.	80, 68, 66	RHH	Petropavlovsk	70, 52, 33
RGBU	Federovka Oustie	82, 66	RGIN	Iarensk	80, 68, 66	RHHA	Primorsk.	66
RGBV	Nikolaev	82, 66	RGIO	Iilino Polonskoe	80, 68, 66	RHHB	Sotchi	89
RGBW	Mytietz	82, 66	RGIP	Oust Pinega	80, 68, 66	RHHD	Kamychevskaia	68
RGBX	Sordouk	82, 66	RGIQ	Ledinsk	80, 68, 66	RHHH	Apcheronskaia	60, 37
RGBY	Letka Oustie	82, 66	RGIR	Karpogory	80, 68, 66	RHHI	Ilostov sur-le-Don	85.11, 42.55
RGBZ	Kazanka	82, 66	RGIS	Soza	80, 68, 66	RHHJ	Armavir	86.58, 43.29
RGCA	Kourouka	56.05	RGIT	Storojevsk	32, 66, 68	RHHK	Belosetbenskaia	86.33, 43.17
RGCB	Prokopiev	82, 66	RGIU	Viled Oustie	80, 68, 66	RHHL	Northus Caucasus	85.59, 42.85
RGCC	Letka	82, 66	RGIV	Dorogorskoe	68, 66	RHHM	Chakhty	86.83, 43.42
RGCD	Slobodskoi	82, 66	RGIW	Vajgory	80, 68, 66	RHHP	Mozdok	64.33, 46.66
RGCE	Iarovka	82, 66	RGIX	Koslan	80, 68, 66	RHHQ	Vorontzovo	67.26, 46.802
RGCF	Bystriza Oustie	82, 66	RGIY	Derhino	80, 68, 66	RHHR	Prokhladnaia	67.114, 46.584
RGCG	Krasnoe Lito	82, 66	RGJ	Pernogorie	80, 68, 66	RHHS	Petrovskoe	66.96, 46.44
RGCH	Fiteika	82, 66	RGJ1	Ziljar	69.44	RHHT	Koursavka	66.67, 46.37
RGCI	Mouraln	82, 66	RGJA	Arkhangelsk	80, 68, 66	RHHU	Izobilno	66.37, 46.296
RGCJ	Velikaia-Iteka	82, 66	RGJB	Slobodtelikovo	80, 68, 66	RHHV	Mikvian	66.079, 46.225
RGCK	Iouria	82, 66	RGJC	Peredvika	82, 80, 68, 66, 40.5	RHHW	Vechinskai	65.94, 46.15
RGCL	Verkkovino	82, 66	RGJD	Peredvika	82, 80, 68, 66, 40.5	RHHX	Vinodinoe	65.79, 45.66
RGCM	Verkhnaia Maloma	82, 66	RGJE	Knebitsa	80, 68, 66	RHHY	Kuznyskaia	65.5, 46.01
RGCN	Chaboury	82, 66	RGJF	Velikii Oustug	80, 68, 66	RHHZ	Midevje	65.35, 45.94
RGCP	Volmanga	82, 66	RGJG	Peredvika	82, 80, 68, 66, 40.5	RHI	Kherpoutchi	69
RGCR	Volmanga Oustie	82, 66	RGJH	Peredvika	82, 80, 68, 66, 40.5	RHIA	Sorkloz	65.076, 45.872
RGCS	Konpok	82, 66	RGJI	Peredvika	82, 80, 68, 66, 40.5	RHIC	Packhevskai	87.97, 73.71
RGCT	Choubriuk	82, 66	RGJJ	Peredvika	82, 80, 68, 66, 40.5	RHID	Gigant	96.463, 62.893
RGCU	Kobra	82, 66	RGJK	Peredvika	82, 80, 68, 66, 40.5	RHIE	Elizavetopolnskaia	60.48
RGCV	Bourdinki	82, 66	RGJL	Peredvika	82, 80, 68, 66, 40.5	RHIF	Groznyj	51.31, 71.16, 43.42
RGCW	Darovskoe	82, 66	RGJM	Peredvika	82, 80, 68, 66, 40.5	RHIG	Platigorsk	
RGCX	Maloma Oustie	82, 66	RGJN	Peredvika	82, 80, 68, 66, 40.5	RHIH	Sterheritehka	51.31
RGCY	Kochlikha	82, 66	RGJO	Syktiykar	32, 66	RHIJ	Novo Kristianskoe	51.31
RG CZ	Viehkje	82, 66	RGJP	Poustoch	32, 66	RHIK	Novorossisk	59.41, 52.54
RGDA	Arba	82, 66	RGJQ	Oustovym	32, 66	RHIL	Ilostev-sur-le-Don	97.40, 69.27
RGDB	Sovetak	82, 66	RGJR	Ojma	32, 66	RHIN	Tourkmeniskoe	61, 33
RGDC	Lebiaje	82, 66	RGJS	Televost Chnoe	82, 66	RHIO	Kalateh	82, 873, 39.474
RGDD	Medvedki	82, 66	RGJT	Peredvika	82, 80, 68, 66, 40.5	RHIP	Krasnodor	82.65, 39.74
RGDE	Ourjoum	82, 66	RGJV	Oust Kouloum	82, 66	RHK	Tamskoe	72
RGDF	Bouski Zavod	82, 66	RGJW	Nikola Kim	101.35, 82, 66	RHQ	Khabarovsk	82.65, 52
RGDG	Jigalovo	82, 66	RGJX	Urkino	101.35, 82, 66	RHR	Khabarovsk	82.65, 52
RGDH	Nemelo Ouste	82, 66	RGKY	Peredvika	82, 80, 68, 66, 40.5	RHS	Karaganda	64.516
RGDI	Ostryi Neya	82, 66	RGKA	Arghaich	80.21	RHT	Tchourantcha	64.795
RGDJ	Nema	82, 66	RGKB	Oust Taylana	92.59, 71.09, 48.08	RHU	Vilusk	46.154
RGDK	Kilmecz	82, 66	RGKD	Volodia	71.09, 47.09	RHV	Arkhangelsk	69.124
RGDL	Rybaaia	82, 66	RGKE	Oust Ousa	71.09, 47.09	RHW	Peela	88.235
RGDM	Motori	82, 66	RGKF	Volodia	49.67	RHX	Soerdlovsk	65.846, 30.612
RGDN	Valuskoie Ouste	80, 66	RGKG	Kotlas	71.09, 46.97	RHY	Soerdlovsk	65.846, 30.612
RGDO	Akhat Vorbi	82, 66	RGKP	Limenloe	71.09, 47.39, 35.34	RIA	Nadijedinskaia	83.57, 52.27
RGDQ	Chabanka	82, 66	RGKQ	Beloretok	68.96	RIAB	Belharovoka	51.63
RGDR	Kazanka	82, 66	RGKR	N. Berezovka	65.35	RIAC	Penza	90.63, 56.5
RGDS	Sosnovka	82, 66	RGKS	Ianavni	80	RIAD	Nijn Chikalo	148.5, 106.4
RGDT	Ijevsk	82, 66	RGKT	Krasno	81.08	RIAF	Privoljie	66.864, 46.656
RGDU	Ijevsk	82, 66	RGKY	Mrakvo	85.47	RIAG	Rouzvodka	99.01, 67.72
RGDV	Grakhovo	82, 66	RGKZ	Krasno	56	RIAI	Portable	82, 80, 68, 66
RGDW	Stunsis	82, 66	RHA	Alexandrovo	64	RIB	Brezovo	51.46
RGDX	Gouliavo	82, 66	RHA1	Leningrad	78.33	RIE	Anadyr.	59, 52, 36
RGDY	Chumyki	82, 66	RHA2	Leningrad	52	RIE	Okhotsk	49
RGDZ	Selty	82, 66	RHA3	Mourmansk	45.2, 23.3	RIF	Oust Kamtchatsk	59, 31
RGE	Arkhangelsk	116	RHA4	Leningrad	45	RIG	Alexandrovs	57
RGEA	Vasiljevski Zarod	82, 66	RHA5	Leningrad	45	RIIP	Stehglovsk	87.21, 42.37
RGEB	Simus Ouste	82, 66	RHA6	Leningrad	45	RIJ	Kazyi Orda	85.227
RGEC	Ouzi	82, 66	RHA7	Leningrad	45	RIK1	Oulala	101.35, 82, 66
RGED	Nijne Ziatzy	82, 66	RHA8	Leningrad	45	RIK2	Tudrala	82, 66
RGEE	Iaganski Zavod	82, 66	RHA9	Leningrad	45	RIK3	Oust Dehad	82, 66
RGEF	Voraj	82, 66	RHAM	Mourmansk	70.423	RIK4	Gibezen	82, 66
RGEG	Kirtchuna	82, 66	RHAP	Kildin	72.289	RIK5	Tchoual	101.35, 80, 66
RGEH	Glazoo	82, 66				RIKA	Topolnoe	101.35, 82, 66
RGEI	Balezino	82, 66				RIKB	Roubtovsk	101.35, 82, 66
RGEJ	Ikez	82, 66				RIKC	Narym	82, 66

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
RIKH	Tara	101.35, 82, 66	RJAQ	Troitsk	55.05	RKLZ	Chterovka	51.63
RIK1	Atchensk	101.35, 82, 66	RJAR	Ural	82, 80, 68, 66, 40.5	RKMM	Irkoutak	43.2
RIKJ	Novosibirsk	80, 68, 66	RJAS	Portable	82, 80, 68, 66, 40.5	RKMA	Routichenkevo	50.25
RIKK	Marlenek	101.35, 82, 66	RJAT	Khelmersk	62.77	RKMB	Gorlevka	51.107
RIKL	Novosibirsk	101.35, 82, 66	RJAV	Novaya Poutka	50.59, 36.452	RKMC	Odessa	77.92, 54.48
RIKM	Peredvijska	82, 80, 68, 66, 40.5	RJAX	Nyda	50.565, 36.408	RKMD	Chepovka	63.425, 39.841
RIKN	Peredvijska	82, 80, 68, 66, 40.5	RJAZ	Ohlorsk	50.42, 36.364	RKME	Jnicerinka	61.475, 40.161
RIKO	Peredvijska	82, 80, 68, 66, 40.5	RJBA	Magnitogorsk	68.65, 49.50	RKMF	Jitomii	61.856, 40.54
RIKP	Tcharychskala	101.35, 82, 66	RJBB	Tumen	71.78	RKMG	Vinnitsa	62.31, 40.268
RIKT	Omsk	48.31	RJBC	Karotouka	70.75	RKMH	Khristinovka	62.5, 40.323
RIKU	Tara	70.59	RJBD	Sverdlovsk	87.97, 43.42	RKMI	Krivoi Rog	62.63, 40.377
RIKV	Minousinsk	47.92	RJBE	Tobolsk	87.71, 42.31	RKMJ	Zaporozje	60.608, 40.326
RIK1	Karsakpai	62.241, 39.947	RJBF	Obiorsk	85.59, 42.85	RKMK	Zouevka	51.72
RIK2	Barnaoul	101.35, 82, 66	RJBG	Tobolsk	71.4	RKML	Novo Daviova	51.55
RIK3	Bobrovka	82, 66	RJBH	Kourgan	86.33, 42.86	RKMM	Konstantinova	51.35
RIK4	Souzoun Zavod	101.35, 82, 66	RJBI	Tcheliabirsk	69.77, 49.26	RKMN	Sorokino	51.195
RIK5	Skoutikha	82, 66	RJBC	Verkhnje Inbratskoje	84.38, 44.38	RKMO	Verkhni	51.62
RIK6	Povalikha	101.35, 82, 66	RJCA	Oural'sk	38.51, 31.58	RKMP	Khar'kov	51.02
RIK7	Rasskazikha	82, 66	RJCF	Eniseisk	56.18	RKMQ	Khar'kov	50.93
RIK8	Belaia Recthka	82, 66	RJCG	Toungouka	54.95	RKMU	Khar'kov	51.55
RIK9	Topchikha	82, 66	RJCI	Berditchev	66.519, 52.45	RKMY	Oiekrainskaia	82, 80, 68, 66, 40.5
RIK10	Khmelevka	101.35, 82, 66	RJCJ	Touroutchansk	51.02, 37.97	RKMW	Oiekrainskaia	82, 80, 68, 66, 40.5
RIK11	Omsk	37	RJCK	Strelka	70.95	RKMX	Makesvak	50.42
RIK12	Toms	84.507	RJCL	Kanouka	32.2	RKMY	Kher'sen	72.1, 47.1
RIK13	Novosibirsk	63.17, 71.09	RJCM	Gol'tiavino	37	RKMZ	Keiv	65.93, 49.23
RIK14	Omsk	49.67, 35.25	RJCN	Balakhta	34.2	RKN	Novosibirsk	65.97
RIK15	Samsounovski	95.2, 48.387	RJO	Krasnoarsk	61.22	RKNK	Khar'kov	58.04, 81.74, 67.04, 54.5, 43.86, 36.32, 21
RIK16	Moriakovski	71.5, 47.319	RJP	Kazatin	78.125, 53.381			
RIK17	Barnaoul	69.53, 47.17	RJRA	Voronz	68, 50.76			
RIK18	Batoum	68.53, 46.948	RJRC	Valoniki	68.49, 49.34	RKNL	Kiev	51.37
RIK19	Rysyl	58.14, 45.59	RJRD	Orl	75, 42.85	RKNM	Portable	82, 80, 68, 66
RIK20	Bezymiauki	101.35, 82, 66	RJRE	Koursk	74.07, 42.55	RKNN	Portable	82, 80, 68, 66
RIK21	Minousinsk	80.863, 40.431	RJRF	Rletz	73.71, 42.31	RKNO	Portable	82, 80, 68, 66
RIK22	Novosibirsk	84.37, 42.58	RJRG	Bobrinskaja	81.967, 54.646	RKNP	Portable	80, 68, 66, 82
RIK23	Kouznetsk	85.35, 42.67	RJRH	Vapnarka	65.525, 53.191	RKO	Iakoutsk	24
RIK24	Omsk	85.59, 42.84	RJRI	Znaminka	79.787, 53.951	RKOD	Kazatin	78.125, 53.381
RIK25	Bogotol	82, 66	RJRI	Lozovaia	81.081, 54.348	RKOM	Denpropetrovsk	49.02, 34.97
RIK26	Tisoul	82, 66	RJRA	Mathateh	69.69, 39.89	RKON	Gor'lovka	65.217, 52.91
RIK27	Tychtym	82, 66	RJRB	Mathateh	71.09, 42.85, 35.97	RKOO	Odessa	58.68, 48.78
RIK28	Krestchenka	101.35, 82, 66	RJRC	Sinelokovo	78.534, 53.571, A1-2	RKOP	Kiev	95.69, 68.96, 48.54
RIK29	Kemerovo	63.44, 49.5	RJRD	Tiovanskoe	64.795, 50.934, A1-3	RKP	Petropavlovsk	29
RIK30	Proletarski	101.35, 82, 66	RJRE	Touba	101.35, 82, 66	RKQ	Boulou	56
RIK31	Chematnikh	49.34, 35.17	RJRF	Oungouba	101.35, 82, 66	RKR	Irkutsk	23
RIK32	Atchinsk	67.72, 49.45	RJRG	Tchernaja	101.35, 82, 66	RKS	Irkutsk	24
RIK33	Toms 11	67.57, 49.34	RJRH	Mouroumka	101.35, 82, 66	RKT	Nezametnoe	23.5
RIK34	Portable		RJRI	Nijnji Oulouu	101.35, 82, 66	RKU	Turkestan	21.9, 35.7
RIK35	82		RJRI	Poudoj	101.35, 82, 66	RKV	Moscow	21
RIK36	68		RJRI	Louza	101.35, 82, 66	RKW	Nikolanevsk	66, 59
RIK37	68		RJRI	Peredvijska	82, 80, 68, 66, 40.5	RKX	Inia	68
RIK38	66		RJRI	Peredvijska	82, 80, 68, 66, 40.5	RKY	Frounze	48.5
RIK39	39.34, 19.67		RJRI	Peredvijska	82, 80, 68, 66, 40.5	RKZ	Osch	48
RIK40	Aile	69.44, 49.26	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLA	Taouisk	67
RIK41	Novosibirsk	60, 66	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAA	Peredvijska	82, 80, 68, 66, 40.5
RIK42	Toms	96.44, 68.49, 48.47	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAO	Peredvijska	82, 80, 68, 66, 40.5
RIK43	Topki	68.97, 49.59	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAC	Peredvijska	82, 80, 68, 66, 40.5
RIK44	Kamin	89.82, 71.09	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAD	Peredvijska	82, 80, 68, 66, 40.5
RIK45	Oust Tcharychskaia	71.09, 46.97	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAE	Peredvijska	82, 80, 68, 66, 40.5
RIK46	Kolpachevo	88.49, 71.09	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAF	Peredvijska	82, 80, 68, 66, 40.5
RIK47	Kurgasok	88.49, 71.09	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAG	Peredvijska	82, 80, 68, 66, 40.5
RIK48	Oust Tcharychskaia	101.35, 82, 66	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAH	Peredvijska	82, 80, 68, 66, 40.5
RIK49	Koumir	101.35, 82, 66	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAI	Peredvijska	82, 80, 68, 66, 40.5
RIK50	Podsevenskoe	101.35, 82, 66	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAJ	Peredvijska	82, 80, 68, 66, 40.5
RIK51	Rybnoe	101.35, 80, 66	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAK	Peredvijska	82, 80, 68, 66, 40.5
RIK52	Talmenka	101.35, 80, 66	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAL	Peredvijska	82, 80, 68, 66, 40.5
RIK53	Kouznetek	57.143	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAM	Peredvijska	82, 80, 68, 66, 40.5
RIK54	Omsk	44.8	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAN	Peredvijska	82, 80, 68, 66, 40.5
RIK55	Slavgorod	40.98	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAO	Peredvijska	82, 80, 68, 66, 40.5
RIK56	Souzoun	41.04	RJRI	Peredvijska	82, 80, 68, 66, 40.5	RLAP	Peredvijska	82, 80, 68, 66, 40.5
RIK57	Abakan	101.35, 82, 66	RJRI	Kandalakcha	49.26	RLAQ	Peredvijska	82, 80, 68, 66, 40.5
RIK58	Artbaty	82, 66	RJRI	Petrovavolsh	48.86	RLAR	Peredvijska	82, 80, 68, 66, 40.5
RIK59	Gardkovo	82, 66	RJRI	Spasskaia Goub	101.35, 82, 66	RLAS	Peredvijska	82, 80, 68, 66, 40.5
RIK60	Kouragino	82, 66	RJRI	Petrozavovsk	101.35, 82, 66	RLAT	Peredvijska	82, 80, 68, 66, 40.5
RIK61	Karatouz	82, 66	RJRI	Korda	101.35, 82, 66	RLAU	Prionomai	48
RIK62	Solanskoe	101.35, 80, 66	RJRI	Moskva	19.20	RLAV	Norilsk	51.11
RIK63	Tchibaki	101.35, 80, 66	RJRI	Kosteng	101.35, 82, 66	RLAW	Sovetskii	77.82, 36.54
RIK64	Tara	41.1	RJRI	Oakhtu	101.35, 82, 66	RLAX	Prusk	51.56, 36.27
RIK65	Toms	46.58	RJRI	Beija Knaijii	101.35, 82, 66	RLAY	Potchetskoe	78.125
RIK66	Nijnje Loumpokolskoe	47.1	RJRI	Kem	101.35, 82, 66	RLAZ	Trinino	69.6
RIK67	Oulala	43.60	RJRI	Kondopog	101.35, 82, 66	RLB	Bogotchamny	43
RIK68	Oust Kokra	51.6	RJRI	Reboly	101.35, 82, 66	RLBA	Tchounoir	59.52
RIK69	Bakou	99.5, 25.06	RJRI	Soroka	101.35, 82, 66	RLBC	Tsakira	61.25
RIK70	Novosibirsk	94.94, 49.10	RJRI	Pinozero	36.23	RLBD	Oust Kalakan	64.66, 53.48, 37.36
RIK71	Petrovka	101.35, 82, 66	RJRI	Moskva	44.07	RLBE	Siberia	84.03, 66.81
RIK72	Bakou	74.24, 45.7	RJRI	Moskva	28.15	RLBF	Taentcha	81.3, 61.35
RIK73	Tiflis	29.76, 24.83	RJRI	Moskva	15.53	RLBG	Moukhor	79, 62.63
RIK74	Tiflis	44.58, 43.64	RJRI	Moskva	43.8, 43.67, 43.6	RLBH	Troitskosavsk	80.43, 65.79
RIK75	Bakou	62.11, 40.11	RJRI	Moskva	43.48, 21.9, 21.84	RLBI	Igarka	53.5, 38.5
RIK76	Toms	101.35, 82, 66	RJRI	Moscow	21.8, 21.74	RLBN	Birussa	50
RIK77	Okounevo	82, 66	RJRI	Moscow	45.147, 37.547	RLBT	Krasnoarsk	86.08, 82.92
RIK78	Mogotchino	82, 66	RJRI	Moscow	22.822, 20.013	RLBU	Chilka	51.72
RIK79	Moltchanovo	82, 66	RJRI	Moscow	45.147, 37.547	RLBV	Krasnoarsk	51.72
RIK80	Krasnyi Iar	82, 66	RJRI	Moscow	22.822, 20.013	RLBW	Tzikikan	50.51
RIK81	Trelbitskaia	82, 66	RJRI	Moscow	39.894, 19.947	RLBX	Nijnje Oudinsk	93.76, 68.77, 67.41, 50
RIK82	Verkhiojansk	83.8, 46.66	RJRI	Moscow	48.9, 24.45			
RIK83	Oust Maia	83.34, 40.98	RJRI	Moscow	17.26	RLBY	Kirensk	66.82
RIK84	Krementeloug	78.947, 53.763	RJRI	Khabarovsk	85.84, 42.92	RLBZ	Erbogoteheuy	52.72
RIK85	Tchernigov	81.522, 54.545	RJRI	Artemivsk	84.87, 42.84	RLC	Kijma	46.5
RIK86	Korosten	84.270, 56.075	RJRI	Stalino	43	RLCA	Irkutsk	51.28
RIK87	Trkoutsk	57.5	RJRI	Khar'kov	86.08, 43.04	RLCC	Irkutsk	82
RIK88	Sverdlovsk	82, 80, 68, 66	RJRI	Odessa	51	RLCD	Bolchoe Derbeuo	68
RIK89	Chabourovo	82, 80, 68, 66	RJRI	Berdiansk	84.62, 42.31	RLCF	Koia	56
RIK90	Novaja Lialia	82, 68, 66	RJRI	Lougatsk	85.35, 42.67	RLCE	Tonga	82, 68, 66
RIK91	Irbit	80, 68, 66	RJRI	Duepropretvsk	84.58, 43.29	RLCG	Kansk	82, 68, 66
RIK92	Tobolsk	82, 80, 68, 66	RJRI	Zaporozje	85.59, 42.8	RLCH	Oicoutoul	82, 68, 66
RIK93	Ivdel	82, 80, 66	RJRI	Odessa	85.35, 42.67	RLCI	Eniseisk	68
RIK94	Tavda	82, 80, 68, 66	RJRI	Zaporozje	63.69, 45.8	RLCJ	Malta	66
RIK95	Peredvijska	82, 80, 68, 66, 40.5	RJRI	Lougatsk	68.8, 48.62	RLCK	Tchita	82
RIK96	Peredvijska	82, 80, 68, 66, 40.5	RJRI	Sorokino	77.72, 65.46	RLCL	Agoul	82, 68, 66
RIK97	Peredvijska	82, 80, 68, 66, 40.5	RJRI	Rovereki	69.28, 63	RLCM	Tchemorechki	82, 68, 66
RIK98	Nadi							

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
RLD	Kraonoiarsk	40.5	RMLQ	Portable	82, 86, 68, 66, 40.5	ROR	Dikson Ostrov I.	45
RLE	Blagovestehensk	51.5	RMLR	Tehimbat	87	ROS	Port Oust Einselski	30
RLF	Termez	46.8	RMNA	Kizyl Kila	77.72, 50.08	ROT	Novji Port	43
RLI	Tufis	51.11	RMNB	Soulikta	77.22, 50.335	ROU	Omsk	80, 20
RLK	Moscow	33.82	RMNC	Kok langak	77.72, 50.76	ROV	Polarnaia	80, 30
RLRC	Ostrov	57	RMND	Naryn	82.19, 51.107	ROW	Igor'ski Char	60, 30
RLRD	Belorech	82, 66	RMNE	Ketmen Tube	69.964, 46.656	ROX	Nakhratchinskaiia	57
RLRE	Oufa	82, 66	RMNG	Andhjan	51.46	RPA	Tachkent	41.67, 29.27
RLRF	Zilair	82, 66	RMNH	Prounze	55.25, 43.04	RPD	Moscow	160, 150, 134.4, 124.5, 109.1, 100, 93.75, 80.54, 69.76, 60.85, 51.72
RLRG	Kartall	56.6	RMNI	Och	69.6, 40.816	RPG	Northern Reigon	82, 80, 68, 66, 40.5
RLRH	Oufa	33.1	RMNJ	Tian Chan	51.46	RPK	Moscow	41.52, 20.76, A1-2-3
RLRI	Bachkris Rep.	82, 80, 68, 66, 40.5	RMNK	Prounze	69.61, 35.13	RPM	Batoum	71.09, 48.31
RLRJ	Portable	82, 80, 68, 66, 40.5	RMLL	Tebou	94.85, 49.34	RPN	Poti	71.09, 48.08
RLRK	Topornino	48.23	RMPA	Chourab	77.22, 50.675	RPO	Soukhoun	71.09, 47.1
RLRL	Oufa	47.62	RMPB	Nijni Piandj.	83.8	RPP	Novoroessisk	71.09, 47.82
RLRM	Bouravco	82, 66	RMPD	Karakol	48.15	RPQ	Odessa	71.09, 47.39
RLRN	Baimak	82, 66	RMPF	Nijni Piandj.	72.12	RPT	Tachkent	50.03
RLRO	Askino	82, 66	RMPG	Stalinabad	77	RPW	Bolehoi Linkhovski	43, 39
RLRP	Krasnoouolsk	82, 66	RMPH	Stalinabad	51.54	RPX	Zimlia Franza Tosifa	43
RLRQ	Krasnooujinsk	82, 66	RMPI	Stalinabad	51.11	RQA	Pamir	48.2
RLRQ	Janowul	76.14, 43.23	RMPJ	Kourgan Tube.	51.46	RQB	Khorog	44.6
RLRR	Arguineh	80.214	RMPK	Chakhrjanavu	50.8	RQD	Ackkhabad.	47.6
RLRX	Nikolo Berezvka	65.359	RMPL	Chiaortouz.	50.34	RQE	Oudyl	65.5
RLRY	Oufa	80.429	RMPN	Psken	51.46	RQF	Kkhoutein	58
RLRZ	Zilai	69.444	RMPO	Kavdjent.	47.4	RQG	Sovgavan	68.5
RLS	Routtcherikovo	67.416, 51.903	RMPQ	Pamir	48.2	RQH	Noutovo	48.5
RLSA	Oufa	71.2, 36	RMPR	Garm	57.5, 32.5	RQI	Katangli	44.5
RLT	Chakhty	80.645, 54.152	RMPS	Kouliab	60.5, 33.5	RQJ	Magnitoyorsk.	39
RLU	Khackov	80.214, 55.659	RMSA	Krasnovodsk.	49.342	RQK	Sverdlovsk.	34
RLV	Griehino	82.218, 54.845	RMSD	Ackhhabad	47.5	RQL	Novosibirsk	44
RLW	Artemevsk	83.799, 55.866	RMSE	Tachouz	48	RQM	Tourouklansk.	43.5
RLWG	Saratov	70.59	RMWA	Tachkent	82.19, 50.85	RQN	Souzon	28
RLWI	Saratov	69.28, 49.57	RMWC	Karehi	67.72, 48.387	RQO	Omsk	44.8
RLWP	Elista	46.5	RMWD	Tachkent	81.74	RQP	Kansk	46.2
RLX	Artemevsk	79.365, 52.083	RMWE	Tachkent	36.46, 74.63	RQQ	Slavgorod	41
RLY	Kharkov Rdo Center	77.12, 60.37	RMWH	Chagan	84.27, 43.73	RQR	Kouznetsk.	47
RLZ	Western Siberia	57.74	RMWJ	Samarkand	79.79, 60.24	RQS	Kamen	44.2
RMA	Poti	57.74	RMWQ	Termez	60.51	RQT	Tomsk	45
RMA1	Portable		RMWR	Augren	51.46	RQU	Tara	44.5
RMA2		82	RMWS	Tachkent	53.957	ROV	Kojernikovo	68.81
RMA3		68	RMWT	Tachkent	59.59, 35.25	ROW	Chikhk	46.5
RMA4		68	RNAO	Sovgavan	52	ROX	Tachouz	48
RMA5		68	RNAO	Petropavlovsk	56	ROY	Oouratule	47.8
RMA6		40.5	RNAW	Vladivostok	44	ROZ	Khodjent	47.4
RMA7			RNAX	Vladivostok	88.49	RRB	Mys Jelanja	80, 20
RMAA	Khabarovsk	69.124, 49.18	RNE	Moscow	24.953, 19.595	RRC	Moscow Radio Center	41.78, 18.05
RMAAB	Skovoedino	48.84	RNF	Moscow	46.72	RRE	Moscow Radio Center	35.47, 15.9
RMAC	Vladivostok	67.67	RNG	Kolpachovo.	46.44	RRF	Moscow Radio Center	35.4, 18.28
RMAAD	Vladivostok	48.47	RNH	Telbes	63.29	RRF	Leningrad	29.14, 16.66
RMAE	Tchenokovskaia	48.47	RNI	Oulagan	59.5	RRH	Tachkent Radio Center	30.44, 16.73, A1-2-3
RMAF	Nikolsk	49.02	RNK	Khabarovsk	84.03	RRJ	Novosibirsk Radio Center	30.38, 16.64
RMAH	Botekarevo	49.1	RNL	Lebedosk	46.80	RRK	Sverdlovsk Radio Center	30.35, 17.93
RMAJ	Alexandrovo	52	RNN	Kargasok	46.80	RRL	Tiflis Radio Center	30.29, 16.12
RMAK	Nelma	89.29, 71.09	RNO	Moskva	77.52, 53.67	RRM	Irkutsk Radio Center	30.2, 16.1
RMAL	Petropavlovsk	50.335, 36.32	RNP	Belostcheliie	62	RRW	Moscow Radio Center	77.12, 77.02, 76.92
RMAAL	Vladivostok	52.72	RNQ	Okha	58	RRX	Moscow Radio Center	33.98, 33.96, 33.94
RMAAM	Tetukhe	46	RNR	Sredne Kolymsk.	58	RRY	Moscow Radio Center	68.18, 49.38
RMAAQ	Nikolovevsk	52	RNS	Oust Kamtchatsk.	49	RZZ	Moscow Radio Center	63.43, 31.71
RMAAR	Nogayev	53	RNU	Nogayev	60	RSD	Karaganda	45.8, 23.4
RMAS	Tajouin	91.5, 71.05, 48.08	RNZ	Petropavlvsk	90, 56	RSE	Gouriev	62.112, 31.06
RMAV	Vladivostok	58	ROAA	Nevji	80, 40	RSF	Alma Ata	57.02, 28.96
RMAX	Vladivostok	88.49	ROAB	Central Asia	71.09, 36.1	RSG	Obloisk	58.71, 29.35
RMA Y	Troitzse Zaroubino	92.59, 71.09	ROAC	Stehetinkin	71.09, 47.85	RSI	Magnitogorsk	46.37, 23.18
RMAZ	Nakhodka	80	ROAD	Stalin	71.09, 47.99	RT1	Smolensk	100
RMABA	Preobrajenie	89.82, 71.09, 47.62	ROAE	Orelukem	71.09, 46.97	RT2	Moscow	80
RMBB	Popov	88.76, 71.08, 47.1	ROAG	Kommona	71.09, 46.97	RT3	Portable	80
RNBC	Plastoure	93.17, 71.09, 48.23	ROAH	Bouriak	89.76, 71.09	RT5	Isakovskaia	89.92, 71.09
RMBD	Poutiatino	88.76, 71.08, 47.10	ROAI	Tvaristchestvo	89.29, 71.09	RTN	Moscow Radio Center	21.05
RLN	Gorlovka	65.217, 51.107	ROAJ	Frounze	89.82, 71.09	RTP	Moscow Radio Center	48.9, 49.78, 21.17, 21.14
RLQ	Kadievka	65.646, 51.282	ROAK	Enugia	71.09, 47.92	RTQ	Moscow Radio Center	51.99, 51.90, 25.77, 25.73
RLR	Krasnyl	66.815, 51.635	ROAN	Peredvika	82, 80, 68, 66, 40.5	RTR	Moscow Radio Center	48.23, 48.08, 19.24, 19.23
RLRA	Bourzian	82, 66	ROAO	Peredvika	82, 80, 68, 66, 40.5	RTS	Moscow Radio Center	49.92, 49.83, 23.006, 22.99
RLRB	Staritaneika	82, 66	ROAP	Peredvika	82, 80, 68, 66, 40.5	RTT	Moscow Radio Center	52.68, 52.54, 24.25, 24.22
RMBG	Markevo		ROAQ	Peredvika	77.19, 71.09, 36.1	RTU	Moscow	85.35, 72.64, 42.27
RMBM	Khailouzovo		ROAR	Krasnvarmeets	71.09, 70.75, 36.1	RTV	Moscow Radio Center	45.01, 45.94, 18.84, 18.83
RMBP	Nelkan	59, 22	ROAT	Komsomolets	88.49, 71.09	RTW	Moscow Radio Center	44.35, 44.28, 18.36, 18.34
RMBT	Ozernaice	60	ROAU	Oksana C	91.6, 71.09, 47.85	RUA	Moscow Radio Center	77.12, 36.83
RMBU	Kiktehiik	60	ROBF	Karl Marx	89.29, 71.09	RUB	Moscow Radio Center	81.63, 69.44
RMBV	Itcha	60	ROBG	Platilelka	89.82, 71.09	RUC	Moscow Radio Center	69.20, 35.23
RMBX	Chantary	50	ROBH	Kramyi Partizan.	91.5, 71.09	RUD	Moscow Radio Center	79.16, 39.14
RMBY	Karaginsk	60	ROBI	Onsievitsh	91.05, 71.09	RUE	Moscow Radio Center	77.12, 35.83
RMBZ	Ohutora	60	ROBJ	Rykev	93.17, 71.09	RUF	Moscow Radio Center	96.36, 68.42
RMCA	Boleheretsk	60	ROBK	Vodopranw	93.16, 71.09, 48.23	RUG	Moscow Radio Center	69.20, 35.22
RMCB	Ptitchi Ostrov	60	ROBL	Prohnter	93.59, 71.09	RUH	Moscow Radio Center	72.03, 36.19
RMCC	Lantar	60	ROBN	Karl Libknekht	89.29, 71.09, 47.1	RUI	Moscow Radio Center	79.68, 45.92
RMCD	Portable	82, 80, 68, 66, 40.5	ROBO	Melnik	89.92, 71.09, 47.39	RUS	Moscow	49.7
RMCI	Blazwistehensk	67.3, 49.59	ROBP	Marinktvo	71.09, 46.97	RUU	Ditakoe Selo	54.005, 54.127, 27.064, 27.003
RMCK	Sretinsk Pristan	71.09, 36.01	ROBS	Inn Roudzoutak	71.09, 46.97	RU Y	Pervomaik	44.84
RMCL	Sourajevka	71.09, 48.31	ROBT	Kouoir	71.09, 48.31	RUZ	Bohromsk	81.967, 54.045
RMCM	Rineski Korsakov	80, 71.09	ROBV	Spartak	71.09, 35.46	RV15	Khabarovsk	71.09, 35.1
RMCN	Tavaiza	80, 71.09	ROBW	Inorodets	71.09, 36.1	RV3W	Moscow	54.4
RMCO	Klerk	80, 71.09	ROBX	Amour	71.09, 35.88	RWBW	Klutchi	36
RMCP	Montoukke	80, 71.09	ROBY	Vladimir Lenin	71.09, 35.88	SKAA	Leningrad	36
RMCQ	Dekastri	80, 71.09	ROBY	Petrovskaii	71.09, 36.1	RA97	Sikera	35.0, 70
RMCR	Datta	80, 71.09	ROCA	Nijne	46			
RMCS	Bolehoi Tazgoou	80, 66	ROCB	Kroupskaiia	71.09, 35.88			
RMCT	Sovgavan	80, 71.09	ROCC	Oron	71.09, 35.1			
RMCU	Blagovestehensk	59	ROCD	Tourkestan	71.09, 36.97			
RMCV	Khabarovsk	54.845	ROCO	Sever	71.09, 35.46			
RMCW	Blagovestehensk	88.49, 71.09	ROCP	Eniseick	71.09, 36.1			
RMLA	Tandy	66.18	ROCT	Lenin	71.09			
RMLB	Cheikh	46.5	ROCV	Gousikhin	71.43, 71.09, 36.1			
RMLC	Tourt-Koul	59.172	ROCW	Kherabryi	71.09, 70.59, 36.1			
RMLD	Mouinak	59.41	ROCX	Ourdlobkom	71.09, 61.34, 36.1			
RMLE	Stalinabad	80, 54, 36	ROCY	Agitator	71.78, 71.09, 36.1			
RMLF	Tachkent	58	ROD	Grosyvitshi	59			
RMLG	Tachkent	47	ROE	Ternei	65			
RMLH	Tachkent	64	ROF	Ola	49.8			
RMLJ	Tian Chan	54	ROH	Tourt Koul	46.8			
RMLK	Samarhand	85, 54, 36	ROI	Koustanai	51			
RMLM	Tietsk	51.28	ROJ	Tobolsk	46.8			
RMLN	Tchikent	68.18, 52.17, 32.97	ROK	Petoukovo	63			
RMLO	Tielkoubas	69, 2.84, 47.619, 32.787	ROL	Kuunenskoie	36			
RMLP	Lougwala	80.645, 46.085, 31.056	ROM	Khabarovsk	30			
			RON	Khabarovsk	26			
			ROP	Tcheliabinsk	63.6			

RXA—RXZ REPUBLIC OF PANAMA

Call Letters	Location	Wavelength (meters)
RXA	Anurante	58, 47, 69, 39, 74, 34, 52, 26.09, 18.84, 17.54
RXB	Port Armuelles	55.5, 39.9, 34.4, 28.12, 16.96
RXC		51.4

Call Letters	Location	Wavelength (meters)
SAA—SMZ SWEDEN		
SAA	Karlskrona	31.0
SAD	Stockholm	36.4, 28.98, 24.15
SAB	Goteborg	36.3
SAF	Vaxholm	36.40
SAH	Kamosand	
SAQ	Varberg	
SAS	Karsborg	52.5, 43, 31.8, 15.85
SASH	Motala	49.46
SAT	Varberg	33.56, 28.54, 16.52, 15.46
SAX		
SCJ	Karlskrona	196
SDFA	Fernia	36.5, 24.15
SDFN	Orania	36.5, 24.15
SDGA	Wanija	36.5, 24.15
SDGN	Svenjari	36.5
SDKA	Erik, Frisell	36.5
SDKN	Kiruna	36.5
SDMN	Formosa	36.5, 24.15
SDNA	Miraflores	36.5
SDNT	Eros	36.5, 24.15
SDPA	Jupiter	36.5
SDQN	Canada	36.5
SDRA	Virgo	36.5
SDTA	Ragnhildsholm	36.5
SDTD	Boren	36.5
SDUN	Sparholm	36.5
SDVA	Malaren	36.5
SDYA	Burgundia	36.5, 24.15
SDZN	Roxen	36.5
SEGA	Swedish	36.5
SEGN	Gondul	36.5
SEHN	Hemland	36.5
SEIN	Niagara	36.5
SEJA	Delke	36.5, 24.15
SEJN	Shantung	36.5
SEKN	Kastelholm	36.5, 24.15
SELN	Ella	36.5
SEMA	Murjek	36.5
SEMN	Bretannia	36.5
SENT	Suecia	36.5
SEOA	Falsterbo	36.5
SEON	Halleren	36.5
SEPN	Manga	36.5
SEQN	Svedrott	36.5
SERA	Santos	36.5
SERN	Ring	36.5
SETN	Rane	36.5
SEUA	Korsholm	36.5
SEVN	Nordland	36.5
SEWA	Sevaland	36.5
SEWN	Vigor	36.5
SEXA	Amerisaland	36.5
SEYN		36.5
SFEN	Indianic	36.5, 24.15
SFGA	Odensakohm	36.5
SFIA	Consul Gorhizon	36.5, 24.15
SFJA	Gulur	36.5
SFJN	Torne	36.5, 24.15
SFLN	Abisko	36.5
SFNT	Loussa	36.5
SFOA	Mirabooka	36.5
SFPN	Sir Ernest Cassel	36.5
SFRA	Abadan	36.5
SFVN	Baltie	36.5
SFWN	Bodin	36.5
SFXA	Swedish	36.5
SFXN	Narvik	36.5
SFYA	Gustaf E. Renter	36.5
SFYN	Kromp Margarita	36.5
SFZA	Margaret Johnson	36.5
SFZN	Swedish	36.5
SGBN	Canton	36.5
SGCN	San Francisco	36.5
SGDA	Sumatja	36.5
SGEA	Pedro Christopherson	36.5
SGFA	Sydie	
SGIA	Eknaren	36.5, 24.15
SGLA	Brahelholm	36.5
SGLN	Stockholm	
SGLN	Lagaholm	36.5
SGMA	Sagoland	36.5, 24.15
SGMN	Milos	36.5, 24.15
SGPN	Nordic	36.5
SGRA	Carisholm	36.5
SGRN	Pollux	36.5
SGTA	Secicia	36.5
SGUA	Skageru	36.5, 24.15
SGVA	John Lundwall	
SGWA	Valparaiso	36.5
SGXA	Japan	36.5
SGXN	Valencia	36.5
SGYA	Ceylon	36.5
SGZA	Zoroaster	36.5, 24.15
SHAN	Balakava	36.5
SHBA	Lulea	36.5
SHBN	Miranda	36.5
SHEN	Phuto	36.5, 24.15
SHFA	Agra	36.5
SHFN	Swedish	36.5
SHGN	Gotland	36.5
SHIA	Anten	36.5
SHJA	Lima	36.5
SHKN	Hammareu	36.5
SHLA	Kolsnaren	36.5, 24.15
SHLM		
SHLN	Anglo Swede	36.5
SHNA	Bullaren	36.5
SHPA	Yugaren	36.5, 24.15
SHQA	Swedish	36.5
SHQN	Bland	36.5
SHRN	Gunnaren	36.5
SHTN	Belgia	36.5

Call Letters	Location	Wavelength (meters)
SHUA—SMLA		
SHUA	Faxen	36.5
SHUN	Pegasus	36.5
SHVN	Blankaholm	36.5
SHXA	Balboa	36.5
SHXN	Tilia Gerthou	36.5
SHYA	Atlant	36.5, 24.15
SHYN	Laurel	36.5
SIBN	Flora	36.5
SIGN	Gunda	36.5
SIDN	Capella	36.5
SiFN	C. G. Thulin	36.5
SIGN	Svanholm	36.5
SIJN	Carina	36.5, 24.15
SIKN	Nordanvik	36.5, 24.15
SILA	Slureholm	36.5
SIMA	Hermes	36.5
SIMN	Abraham Rydberg	36.5, 24.15
SINA	Pajala	36.5
SINT	Svedborg	36.5, 24.15
SIOA	Nippon	36.5
SION	R. H. Sanders	36.5, 24.15
SIPN	Sunnavik	36.5, 24.15
SIQA	Valdiva	36.5
SIRA	Consul Olssin	36.5
SIRN	Kalma	36.5, 24.15
SITA	Mertainen	36.5, 24.15
SITN	Dalkem	36.5, 24.15
SIUA	Buenos Aires	36.5
SIUN	Tamara	36.5, 24.15
SIVN	Feiping	36.5, 24.15
SIWA	Bernicia	36.5
SIWN	Pan Gothia	36.5, 24.15
SIXA	Nuolja	36.5
SIXN	Atlanten	36.5, 24.15
SIYN	C. B. Pedersen	36.5, 24.15
SIZA	Procyon	36.5, 24.15
SIZN	Adele	36.5, 24.15
SJAN	Innarem	36.5
SJBA	Laponia	36.5
SJBN	Agne	36.5, 24.15
SJCA	Njoro	36.5, 24.15
SJMA	Drottningholm	36.5
SJNA	Erland	36.5
SJTA	Porjus	36.5, 24.15
SJUA	Graecia	36.5, 24.15
SJZA	Malmen	36.5, 24.15
SKAN	Alex Johnson	36.5
SKBA	Gripsholm	36.5
SKCA	Tolken	36.5
SKIA	Benares	36.5, 24.15
SKJA	Strassa	36.5
SKLA	Nanking	36.5, 24.15
SKTA	Atos	36.5, 24.15
SLDA	Oxelosund	36.5
SLFA	Algeria	36.5
SLIA	Oljaren	36.5, 24.15
SLJA	Swedish	36.5
SLRA	Polcinkeln	36.5
SLTA	Grangesborg	36.5
SLUA	C. F. Litjevaleb	36.5
SMA	Stockholm	41
SMEA	Annie Johnson	36.5
SMGA	Uden	36.5
SMHA	Hjelmaren	36.5
SMJA	Kungsholm	36.5
SMLA	Parrakoola	36.5
SPA—SPZ POLAND		
SPA	Warsaw	14.876
SPB	Random	24.62
SPC	Radom	38.83
SPEC	Pulaski	
SPPL	Liore	
SPPS	Szkola	
SPU	Rio de Janeiro	15.3
SPW1	Warsaw	
SPW2	Warsaw	
SPW3	Warsaw	
SPXX	Grudzialz	
SPZZ	Warsaw	
STA—STZ, SUA—SUZ EGYPT		
SUA	Giza	40.74, 26.18
SUB	Baharia	40.74, 26.18
SUC	Cairo	21.521
SUD	Dakhia	40.74, 26.18
SUE	Siiva	40.74, 26.18
SUG	Assouan	42.88
SUH	Alexandria	40.74, 26.18
SUK	Kosseir	40.74, 26.18
SUR	Alexandria	
SUS	Cairo	32.8
SUV	Abou Zabal	29.95
SUW	Cairo	44.27, 25.18
SUX	Cairo	38.21
SUY	Cairo	38.33, 15.259
SUZ	Cairo	38.33, 15.25, 21.72, 21.71, 21.70, 21.695, 21.693
SVL—SZZ GREECE		
SVL	Lemons	41.5
TFA—TFZ ICELAND		
TFA	Reykjavik	
TFB	Flatey	175
TFE	Flatey	170
TFG	Grimsey	150
TFH	Hosavik	150
TFZSH		20.00, 39.98
TGA—TGZ GUATEMALA		
TGA	Guatemala	
TGD	Quezaltenango	
TGU	Puerto Barrios	61.80, 32.94

Call Letters	Location	Wavelength (meters)
TIA—TIZ COSTA RICA		
TIA	S. Jose	37.974
TIC	Cuesta	51.68, 43.04, 37.88
TID	Liberia	37.984
TIE	Pozo	37.97
TIF	Buenos Aires	37.965
TIG	General	38
TIJ	Puerto Jimenez	38.734
TIM	Limons	52.05, 17.26
TIP	Puntarenas	38.013
TIR	Cartago	49.5, 42.96, 27.9
TIU	Viita	39.259
UIA—UKZ DUTCH EAST INDIES		
UIJ	Posso Celebes Is	69
UIK	Celebes Is	70
UIJL	Celebes Is	67.5
UIJM	Celebes Is	66
UIKK	Baa	74
UIKL	Kalabahi Alor Is	71
UOA—UOZ AUSTRIA		
UOBB1	Wien	86.83
UOBB7	Innsbruck	40.33
UOGP6	Graz	87.46, 70.61, 40.05
UOJ	Deutsch Altenburg	39.306
UOK	Altenburg	40.6
UOLP5	Linz	87.79, 70.71, 40.09
UOM	Wien	86.58, 72.81, 40.17
UOP	Wien	85.96, 72.02, 44.17
UOR	Deutsch Altenburg	29.9
UOR2	Vienna	49.4, 25.42
UOSP5	Salzburg	87.20, 70.42
UOX	Deutsch Altenburg	23.2
UWA—UZZ, VAA—VGZ CANADA		
UWA	Vancouver, B. C.	93.9
UWB	Victoria, B. C.	92.3
UWC	Kelowna, B. C.	69.38
UWD	Vancouver, B. C.	67.18
UWE	Toronto, B. C.	52.45
UWF	Toronto, Ont.	55.4
UWG	Quebec, P. Q.	54.7
UWH	Quebec, P. Q.	24.74
UWI	Winnipeg, Man.	62.18
UWJ	Moncton, B. C.	61.9
UWK	Moncton, N. B.	30.88
UWK	Moncton, N. B.	30.88
UWL	Edmonton, Alta.	54.6
UWM	Edmonton, Alta.	44.12
UWN	Vancouver, B. C.	52.59
UWO	Vancouver, B. C.	43.04
UWP	Winnipeg, Man.	55.5
UWQ	Edmonton, Alta.	62.3
UWR	Edmonton, Alta.	29
UWS	Toronto, Ont.	61.29
UWT	Toronto, Ont.	25.16
UXA	Vancouver, B. C.	55.30
UXB	Vancouver, B. C.	21.47
UXC	Vancouver, B. C.	27.81
UXD	Winnipeg, Man.	26.07
UXE	Winnipeg, Man.	54.79
UXG	Winnipeg, Man.	52.31
UXH	Montreal, P. Q.	24.42
UXI	Toronto, Ont.	61.52
UXJ	Halifax, N. S.	62.05
UXK	Montreal, P. Q.	92.99
UXL	Montreal, P. Q.	61.41
UXM	Montreal, P. Q.	69.25
UXN	Montreal, P. Q.	22.07
UXO	Montreal, P. Q.	61.02
UXP	Toronto, Ont.	67.05
UXQ	Ottawa, Ont.	99.67
UYA	Halifax, N. S.	32.95
UYB	Montreal, P. Q.	93.17
UYC	Ottawa, Ont.	99.27
UYO	Toronto, Ont.	66.89
UYE	Winnipeg, Man.	54.89
UYF	Vancouver, B. C.	28.30
UYG	Winnipeg, Man.	66.75, 38.53
UYH	Saskatoon, Sask.	66.75, 38.53
UYI	Regina, Sask.	66.75, 38.53
UYJ	Pas. Man.	150
UYK	Plin Flon, Man.	107.1
UYU	Edmonton, Alta.	22.02
UYV	Port Menier, Que.	185.2, 136.0
UYW	Winnipeg, Man.	124.17
UYX	Salmon River, Que.	185.2, 136.0
UYZ	Masson, P. Q.	98.1, 176.83
UZ	High Falls, P. Q.	135.6
UZA	Charlottetown, P. E.	99.5, 62.70, 23.70
UZB	Bellevue, P. Q.	185.2, A1-2-3
UZC	Glace Bay, N. S.	41.04, 33.06, 20.52
UZD	Glace Bay, N. S.	41.04, 33.06, 20.52
UZE	Victoria, B. C.	175.3, 124.17, 122.35, 86.7, 45.7, 40.21
UZF	Vancouver, B. C.	175.3, 124.17, 122.35, 86.7, 45.7, 40.21
UZG	Prince Rupert, B. C.	175.3, 124.17, 122.35, 86.7, 45.7, 40.21
UZH	Kamloops, B. C.	175.3, 124.17, 122.35, 86.7, 45.7, 40.21
UZI	Nelson, B. C.	175.3, 124.17, 122.35, 86.7, 45.7, 40.21
UZJ	Ile La-Croise	195.8, 188.0, 185.2, A1-2-3
UZL	Humphack Bay, B. C.	181
UZM	Prince George, B. C.	175.3, 124.17, 122.35, 86.7, 45.7, 40.21
UZX	Shannon Bay, B. C.	131
UZY	Riviere du Clef, P. Q.	185.2
UZZ	S. Felicien, P. Q.	185.2
VAA	Ottawa, Ont.	47.06, 44.91, 44.84, 44.27
VAB	Vancouver, B. C.	48.74

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
VAC	Cape Iazo, B. C.	198.7	VE9OB	Ottawa, Ont.	40.82, 20.41	VIN	Geraldton	37.08, 32.75, 20.1, 17.24
VAF	Alert Bay, B. C.	198.7	VE9RM	Toronto, Ont.		VIO	Broome	37.22, 32.25, 21.52, 17.26
VAI	Point Gray, B. C.	198.7, 43.5	VFA	Halifax, N. S.	47.17, 44.81, 23.58, 22.43, 175.4, 147.8	VIP	Perth	51.02, 32.188, 14.87, 48.38
VAJ	Diby Is., B. C.	48.26, 44.4	VFB	Toronto, Ont.	69.12	VIQ	Wills Islets	33.185
VAK	Gonzales Hill, B. C.	47.5	VFH	Magnet Point, B. C.	198.7, 131	VIR	Rockhampton	37.59, 33.003
VAP	Port Churchill, Man.	43.88, 23.4, 36.88	VFJ	Homalko, B. C.	131	VIS	Sydney	16.00, 75.8, 48.46, 44.18, 42.97
VAS			VFL	Hudson Straits	62.82	VIU	Kieta, New Guinea	73.53, 36.80
VAY	Cape Hopes, Str.	44.84, 44.27, 32.573, 23.931, 23.29	VFM	Vancouver, B. C.	62.82	VIV	Madang, New Guinea	73.53, 36.80
VBK	Copper Mine River, N.W.T.	44.84, 36.88, 26.43, 20.41	VFQ	Regina, Sask.	69.12, 18.349	VIW	Wyndham	37.68, 31.72, 22.09, 17.08
VBQ	Halifax, N. S.	181.8, 127.7	VFX	Fort Norman, N.W.T.	69.12, 18.349	VIX	Wyndham	54.94
VBS	Glace Bay, N. S.	53.72, 35.67, 23.9	VFZ	Thicket, Man.	69.12, 18.349	VJY	Balkan Vic.	32.085, 24.95, 17.07
VBY	Hudson Straits	44.84, 54	VGBL	Camp Borden	91.5, 18.349	VJB	Maria Is., Tasmania	44.17, 22.02
VZB	Chesterfield Inlet, N.W.T.	34.11	VGBN	Provincial II	198.7	VJC	Itaboul, New Guinea	
VGB	Nottingham Is., N.W.T.	69.12	VGBT	Mangen	198.7	VJD	Wave Hill	51.10, 25.66
VCG	Hudson Straits		VGBT	Plunger	198.7	VJE	Burrinjack	185
VCU	Merry Island, B. C.	198.7	VGCF	P. D. G. 2	86.7, 46.7	VJF	Cortanundra	185
VGW	Mile 356, Manitoba	110.7	VGCN	Kiora	194.8	VJG	Murrumburrah	185
VDA	Ottawa, Ont.	98.50, 61.80, 42.98		P. L. M. 8	175.3, 124.17, 86.7, 46.7	VJH	Gundagai	185
VDB	Esquimalt, B. C.		VGCP	Clayburn	198.7	VJI	Cloncurry	146.3, 87.97
VDC	Calgary	98.50, 61.80, 42.98	VGCC	Earl	198.7	VJJ	Camooval	52.54, 26.27
VDE	Edmonton, Alberta	98.50, 61.80, 42.98	VGCD	Pacific Monarch	198.7	VJK	Wilson's Promontory	190
VDF	Montreal, Que.	98.50, 61.80, 42.98	VGDM	Storm King	198.7	VJL	Chiffy Island	190
VDH	Hamilton, Ont.	98.50, 61.80, 42.98	VGDN	Annacis	198.7	VJM	Deaf Island	190
VDJ	St. Hubert, Que.	98.50, 61.80, 42.98	VGDW	Dauntless	198.7	VJN	Lord Howe Is.	52.40, 14.21, 37.54, 32.068
VDL	London, Ont.	38.50, 61.80, 42.98	VGFM	Cape Scott	198.7	VJNC	Maddului	36
VDM	Moose Jaw, Sask.	98.50, 61.98, 42.98	VGFQ	Almara	198.7	VJO	Koosawatha	185
VDR	Regina, Sask.	98.50, 61.80, 42.98	VGFJ	B. C. Forester	194.8	VJP	New Guinea	
VDT	Toronto, Ont.	98.50, 69.12, 61.80, 42.98	VGJL	Canadian Commander		VJPK	Cape Otway	36.474
VEB	Mayo Landing, Yukon	51.77, 38.41, 31.04, 24.3	VGJR	Oliver Clarke	194.8	VJQ	Salama, New Guinea	39.47
VEC	Fort Simpson, Yukon	51.77, 31.04, 24.3	VGJS	Taconite	198.7, 54.3, 64	VJU	Marlberg, New Guinea	
VED	Edmonton, Alta.	51.77, 38.41, 31.04, 24.3	VGJZ	Wireless	198.7	VJV	Mamus, New Guinea	75.53, 36.80
VEF	Aklavik, N. W. T.	31.04	VGKN	Chemainus	198.7	VJW	Atape, New Guinea	73.53, 36.80, 22.09
VEJ	Camp Borden, Ont.	38.41, 35, 31.04, 24.3	VGKO	Achates	198.7	VJX	Bulolo, New Guinea	39.47
VEL	Winnipeg, Man.	31.04	VGKQ	Empress of Asia	198.7	VJY	Kavieng, New Guinea	73.53, 36.80
VEQ	Cormorant Lake, Man.	31.04	VGKY	Empress of Russia	198.7	VJZ	Rahaul, New Guinea	78.9, 15.345, 48.54, 43.47, 32.22
VER	Ottawa, Ont.	38.41, 54.9, 35, 24.3, 51.77	VGLL	Chelosin	198.7	VKA	Bogolar	185
VER	Ottawa, Ont.	35.0	VGLM	Beatrice	198.7	VKB	Yuss	185
VE9AC	Vancouver, B. C.	197.4, 189.9, 125.1, 46.7	VGLP	Merry Is., B. C.	198.7	VKD	Melbourne	177.5
VE9AD	Glace Bay, N. S.	187, 125.1, 46.7, 23.35	VGLR	Robert Preston	198.7	VKF	Melbourne	145
VE9AF	Montreal		VGLS	Burrard Chief	198.7	VKG	New So. Wales	184.95
VE9A1	Toronto, Ont.	42.98	VGLT	Cottonwood	198.7	VKH	Birdsville	148.514, 34.762
VE9AK	Calgary, Alberta		VGLU	P. S. M.	198.7	VKL	Tasmania	148.514, 33.97
VE9AM	Montreal	198.7, 187, 125.1, 46.7, 23.35	VGLV	Progressive	198.7	VKM	Victoria	148.51, 34.76
VE9AO	Toronto, Ont.	49.83	VGLW	Hustler	198.7	VKN	Rottnet Is.	185
VE9AP	Drummondville, Que.	47.5	VGLX	Moresby	198.7	VKO	Oil Co., New Guinea	197.36
VE9AQ	Niigon, Ont.	50, 42.98	VGLY	Masset	198.7	VKQ	Melbourne	108.3, 81.1, 51.72
VE9AR	Saskatchewan		VGN	Princess Elaine	198.7	VKS	Sydney	43, 20, 16
VE9AU	London, Ont.	149.7, 142.9	VGNB	Ark	198.7	VKV	Hobart	106.4, 80, 51.28
VE9AY	Toronto, Ont.	62.56, 34.68, 23.35	VGNR	Prince Edward Island	189.9	VKX	Milinginebi	148.51, 34.76
VE9AZ	Maple Mount, Ont.	90, 185.2, 109.5	VGNS	Faultless	198.7	VKY	Goulburn Is.	148.51, 34.76
VE9BA	Montreal		VGNT	Projective	198.7	VKZBL	Sydney	28.80, 32.50
VE9BB	Toronto, Ont.	34.68	VGNY	D. B. M.	198.7	VKZFC	Sydney	28.5, 31.28
VE9BC	Campbell River, B. C.	135.6, 99.5	VGO	James Carruthers	198.7	VKZME	Sydney	28.6, 18.3, 31.28, 37.69
VE9BD	Swains Lake, Ont.	185.2, 109.5, 90	VGRN	Greta M.	198.7	VK3LD	Melbourne	31.56
VE9BE	De Forest Road, Toronto	23.98	VGRS	Charlottetown	189.9	VK3ME	Melbourne	31.56
VE9BF	Temagami, Ont.	185.2, 109.5, 90	VGRY	Hopkins	198.7	VK3UI	Melbourne	34
VE9BG	Savant Lake, Ont.	185.2, 109.5, 90	VGSN	Sea Wave	198.7	VK6AG	Perth	41.7
VE9BH	Savant Lake, Ont.	185.2, 109.5, 90	VGSP	Salvage Princess	198.7	VLA	Cape Bruny	189.993
VE9BJ	St. Johns		VGSR	S. Rock	23.4, 47.6	VLB	Otago, New Zealand	189.993
VE9BK	Vancouver, B. C.	187, 125.1	VGSX	Ivanhoe	198.7	VLC	Tasmania	190
VE9BL	Elk Point, Ont.	185.2, 109.5, 90	VGST	La Roi	198.7	VLD	Sydney	32.15, 30.73, 22.49, 18.37, 17.016
VE9BM	Montreal	187, 125.1, 92.1, 46.7	VGTJ	Lorne	198.7	VLE	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9BO	Lake St. Joseph	185.2, 109.5, 90	VGTK	Norshore	198.7	VLT	Buloville, Dut. New Guinea	105.44, 86.21, A2-3
VE9BP	Powell River, B. C.	135.6, 99.5, 55.71	VGTQ	Nowan	198.7	VLU	Lae, Dutch New Guinea	105.44, 86.21
VE9BR	Armstrong, Ont.	185.2, 109.5, 90	VGTR	Peerless	198.7	VLZ	Sydney	37.59, 30.737, 22.49, 20.4, 18.37
VE9BT	Fort Hope, Ont.	185.2, 109.5, 90	VGWW	R. F. M.	198.7	VLJ	Sydney	32.15, 30.73, 22.49, 18.37, 17.016
VE9BU	Caribore Lake, Ont.	185.2, 109.5, 90	VGXC	Czar	198.7	VLK	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9BV	Little Atibeti Lake, Ont.	185.2, 109.5, 90	VGXD	S. Faith	198.7	VLT	Buloville, Dut. New Guinea	105.44, 86.21, A2-3
VE9BX	Stinson, Ont.	185.2, 109.5, 90	VGXE	Prospective	198.7	VLU	Lae, Dutch New Guinea	105.44, 86.21
VE9BZ	Vancouver, B. C.	109.5, 105.3	VGXF	Sea Lion	198.7	VLZ	Sydney	37.59, 30.737, 22.49, 20.4, 18.37
VE9CA	Calgary, Alberta		VGXG	Primitive	198.7	VLJ	Sydney	32.15, 30.73, 22.49, 18.37, 17.016
VE9CE	Campbell R., B. C.	86.7	VGXH	La Reine	198.7	VLK	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9CF	Halifax Nova Scotia		VGXI	Prospective	198.7	VLM	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9CG	Calgary, Alta.		VGXJ	Island Comet	198.7	VLN	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9CH	Geizers Hill, Nova Scotia	90.04, 18.973	VGXK	P. T. B. No. 2	198.7	VLO	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9CI	London, Ont.	109.8	VGXL	Canada	198.7	VLP	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9CL	Winnipeg	52.5, 49.5	VGXM	Queen	198.7	VLP	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9CM	Mount Dennis, Ont.	187, 125, 92.1, 46.7	VGXN	Commodore	198.7	VLP	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9CN	Mt. Dennis, Ont.	23.35	VGXO	Princess Nora	198.7	VLP	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9CP	Montreal	187, 68.87, 61.37, 42.98	VGZ			VLP	Sydney	37.06, 28.50, 27.4, 21.74, 18.37, 15.54, 14.70
VE9CQ	Toro Rapids, P. Q.	187, 68, 61.37, 42.98	VHZ	Sydney	35.335	VPA	Matarana, Br. Guiana	43.86
VE9CR	La Prairie, P. Q.	187, 125.1, 46.7, 23.35	VHJ	Victoria	44.60, 30.64, 22.30	VPB	Colombo, Ceylon	36.49
VE9CS	Vancouver, B. C.		VHL	Melbourne	44	VPC	Falkland Is., So. Amer.	25.13, 22.94, 20.79
VE9CT	Lulu Is., B. C.	135.6	VHM	Melbourne	44	VPD	Suva, Fiji Islands	20.70, 25.13
VE9CU	Calgary, Alta.	49.96	VHO	Victoria	140.186	VPE	Lalusa, Fiji Islands	43.79, 80.43
VE9CV	Calgary, Alta.	49.96	VIA	Adelaide	A1, 50, 32.43, 26.089, 19.88, 197.368	VPF	Tarunui, Fiji Islands	43.79, 80.43
VE9DA	Otter Lake, Ont.	185.2, 109.5, 90	VIB	Brisbane	50, 33, 185, 21.5, 16.93	VPG	Gold Coast, W. Africa	32.08, 18.575
VE9DB	Wengskees, Ont.	185.2, 109.5, 90	VIC	Cooktown	37.5, 31.10, 21.9, 16.95	VPIA	Suva, Fiji Islands	20.8
VE9DC	Kenora, Ont.	185.2, 109.5, 90	VID	Darwin	40, 31, 847, 19.4, 17.22	VPIB	Nassau, Nassau	74.34, 62.40, 62.38
VE9DD	Manitou Lake, Ont.	185.2, 109.5, 90	VIE	Port Moresby, New Guinea	37.03, 31.185, 21.4, 17	VPIJ	Coronada, Falkland Is.	36.5, 31
VE9DE	Sault Ste. Marie, Ont.	185.2, 109.5, 90	VIF	Perth	41.09	VPIK	Saragossa	36.5
VE9DF	Pukaskwa, Ont.	185.2, 109.5, 90	VIG	Hobart, Tasmania	50.50, 31.813, 26.09, 17.2	VPL	Southern Empress, Falkland Is.	36, 22.6
VE9DG	Orient Bay, Ont.	185.2, 109.5, 90	VIH	Thurslay Is., Old Australia	37.40, 31.98, 21.79, 17.29	VPL	Islands	36, 22.6
VE9DH	Barn Is., Ont.	185.2, 109.5, 90	VII	Samaria, Papua	43.79	VPM	Discovery II	36.5, 26.59
VE9DI	North Bay, Ont.	185.2, 109.5, 90	VIJ	Tasmania	31.982	VPL	Salvestrin, Falkland Is.	36.5
VE9DJ	Latchford, Ont.	185.2, 109.5, 90	VIK	Melbourne	74.63, 31.944, 15.17, 43.98	VPL	Sourabaya, Falkland Is.	36.5
VE9DN	Montreal, Que.		VIM			VPL	Kenya, Africa	36.74, 21.59
VE9DR	Montreal, Que.					VPS	Cape D'Agular, Hong Kong	34.52
VE9DS	Mt. Royal, Que.					VPS	Singapore, Straits Sett.	32.97
VE9DE	Montreal, Que.					VPS	Penang, Straits Sett.	32.97
VE9DE	Mt. Joli, Que.					VPS	Zanzibar, Zanzibar	36.19
VE9DG	Calgary, Alta.	49.10				VPS		
VE9DGW	Bowmanville, Ont.	49.22				VPS		
VE9DH	Also Relay Broadcasting					VPS		
VE9DI	Timagimi, Ont.					VPS		
VE9DHP	Ear Falls, P. Q.	52.56, 51.77				VPS		

VOA-VOZ-NEW FOUNDLAND

VQJ	Malbo	35
VQL	Irene	35
VQM	Reo	35
VQN	Selmak	35
VQP	Yamaska	35
VQR	Prince Albert	35
VQS	Casanova	35
VQX	Chasina	35

VPA-VSZ-BRITISH COLONIES AND PROTECTORATES

VPA	Matarana, Br. Guiana	43.86
VPB	Colombo, Ceylon	36.49
VPC	Falkland Is., So. Amer.	25.13, 22.94, 20.79</

Table with columns: Call Letters, Location, Wavelength (meters), Call Letters, Location, Wavelength (meters), Call Letters, Location, Wavelength (meters). Includes sections for YIA-YIZ-IRAQ, YLA-YLZ-LATVIA, YNA-YNZ-NICARAGUA, YVA-YVZ-VENEZUELA, and ZBA-ZHZ-BRITISH COLONIES AND PROTECTORATES.

XAA-XFZ—MEXICO. Table with columns: Call Letters, Location, Wavelength (meters). Includes entries for Vera Cruz, Payo Obispo, Mazatlan, Lower California, Hermosilla, Tampico, Acapulco, Cozumel, Merida Yucatan, Villahermosa, Campeche, Navajon, Mexico City, Teleg. with Europe, Saltillo de Coahuila, Torreón de Coahuila, Guadabajari, Oaxaca, Mexicali, Mexico City.

XGZ-XUZ—CHINA. Table with columns: Call Letters, Location, Wavelength (meters). Includes entries for Shanghai, Anking, Moukden, Nincop, Hanchow, Fouchow, Swatow, Canton, Tientsin, Tsinan, Amoy, Fouchow, Swatow, Amoy, Wulu, Tsinan.

KILOCYCLE-METER CONVERSION

In short-wave (high frequency) work it is sometimes more convenient to express the tuning of a station in terms of frequency rather than wavelength. The standard frequency unit is the "kilocycle" (1000 cycles); the unit of wavelength the "meter." It is a very simple matter to convert frequency in kilocycles into wavelength in meters, or vice versa. To obtain kilocycles, divide 300,000 by the number of meters; to obtain meters, divide 300,000 by the number of kilocycles.

Thus a wavelength of 30 meters is the same as saying a frequency of 10,000 kilocycles (abbreviated "kc."). A frequency of 20,000 kc. is the same as 15 meters.

ZBA-ZHZ-BRITISH COLONIES AND PROTECTORATES. Table with columns: Call Letters, Location, Wavelength (meters). Includes entries for South Georgia, Hong Kong, Dar-Es-Salaam, Victoria Peak, Cape of Agulhar, Cap. D'Agulhar, Victoria Peak, Hongkong, Victoria Peak, Br. Congo, Victoria Peak, Hong Kong, Cape Agulha, China, Nassau, Bahamas, Lagos, Nigeria, Balagry, Nigeria, Victoria, Nigeria, Mamp, Nigeria, Kaduna, Nigeria, Barmuda, Nigeria, Windward Isla., B. W. I., Trinidad, B. W. I., Leeward Isla., B. W. I., Belize, Br. Honduras, Salisbury, Rhodesia, Bulawayo, Rhodesia, Kingston, Jamaica, Potaro, Br. Guiana, Cook Island, New Zealand, Awarua, New Zealand, Wellington, New Zealand, White Island, New Zealand, Wellington, New Zealand, Christchurch, New Zealand, Apia, Samoa Is., Maungani, New Zealand, Southern Prince, New Zealand, Alipata, Samoa, Salsiba, Samoa, Christchurch, New Zealand, Asuncion, Paraguay, Asuncion, Paraguay, Cape of Good Hope, So. Africa, Kiblakkey, Union of So. Africa, Radoline, Br. So. Africa, Capetown, So. Africa, Jacobs Radio, So. Africa, Tafelberg, Br. So. Africa, Capetown, So. Africa, Walvis Bay, So. Africa, Germantown, So. Africa, Kenya, Africa, Bonkaza Park, China.

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.

Station	Dial	Station	Dial	Station	Dial	Station	Dial
31000 kc. W8XI 9.68 meters Westinghouse Electric SAXONBURG, PA.		20140 kc. DWG 14.89 meters NAUEN, GERMANY Tests 10 a.m.-3 p. m.		18100 kc. GBK 16.57 meters General Post Office BODMIN, ENGLAND		17080 kc. GBC 17.55 meters RUGBY, ENGLAND	
27800 kc. W6XD 10.79 meters Mackay Radio PALO ALTO, CALIF.		19950 kc. LSG 15.03 meters MONTE GRANDE, ARGENTINA From 7 a. m. to 1 p. m. Telephony to Paris and Berlin		18050 kc. KQJ 16.61 meters BOLINAS, CALIF. Transpacific radiophone		16300 kc. PCL 18.40 meters KOOTWIJK, HOLLAND Works with Bandoeng from 7 a. m.	
25960 kc. G5SW 11.55 meters British Broad. Corp. CHELMSFORD, ENGLAND Experimental, relay broadcasting		19950 kc. DIH 15.03 meters NAUEN, GERMANY		17850 kc. PLF 16.80 meters BANDOENG, JAVA ("Radio Malabar")		16300 kc. WLO 18.40 meters A. T. & T. CO., LAWRENCE, N. J.	
25700 kc. W2XBC 11.67 meters Radio Corp. of America NEW BRUNSWICK, N. J.		19906 kc. LSG 15.07 meters MONTE GRANDE, ARGENTINA 8-10 a. m., commercial radiophone		17850 kc. W2XAO 16.80 meters Radio Corp. of America NEW BRUNSWICK, N. J.		16200 kc. FZR 18.50 meters SAIGON, INDO-CHINA Radiophone to Paris	
24000 kc. W6XQ 12.48 meters SAN MATEO, CALIF.		19850 kc. WMI 15.10 meters A. T. & T. CO., DEAL, N. J.		17830 kc. PCV 16.82 meters KOOTWIJK, HOLLAND 9:40 a. m. Sat.		16150 kc. GBX 18.56 meters RUGBY, ENGLAND	
21540 kc. ★W8XK 13.93 meters WESTINGHOUSE ELECTRIC SAXONBURG, PA. 7:30 a. m.-noon; relays KDKA programs		19830 kc. FTD 15.12 meters ST. ASSISE, FRANCE		17780 kc. ★W8XK 16.87 meters WESTINGHOUSE ELECTRIC AND MFG. CO. Saxonburg, Pa. Relays KDKA programs		16060 kc. ★NAA 18.68 meters U. S. NAVY, ARLINGTON, VA. Time signals, 11:57 to noon	
21470 kc. ★GSH 13.97 meters BRITISH BROAD. CORP. Davertry, England British Empire programs		19400 kc. FRO, FRE 15.45 meters ST. ASSISE, FRANCE		17780 kc. W3XAL 16.87 meters NATIONAL BROAD. CO. Bound Brook, N. J. Experimental; relays WJZ programs		15950 kc. PLG 18.80 meters BANDOENG, JAVA Afternoons.	
21420 kc. W2XDJ 14.00 meters A. T. & T. CO., DEAL, N. J. Experimental radiophone		19300 kc. FTM 15.55 meters ST. ASSISE, FRANCE 10 a. m. to noon		17730 kc. W9XF 16.87 meters DOWNERS GROVE, ILL. Irregular; relays NBC programs		15860 kc. FTK 18.90 meters ST. ASSISE, FRANCE Commercial radiophone	
21400 kc. WLO 14.01 meters A. T. & T. CO. Lawrence, N. J. Transoceanic phone		19240 kc. DFA 15.58 meters NAUEN, GERMANY		17730 kc. W9XF 16.87 meters DOWNERS GROVE, ILL. Irregular; relays NBC programs		15490 kc. JIAA 19.36 meters TOKIO JAPAN 5:00-7:00 a. m.	
21130 kc. LSM 14.15 meters MONTE GRANDE, ARGENTINA Commercial radiophone; occasional broadcasting.		19220 kc. WNC 15.60 meters A. T. & T. CO., DEAL, N. J. Transoceanic radiophone		17770 kc. ★GSG 16.86 meters, British Broad. Corp. DAVENTRY, ENGLAND British Empire programs		15330 kc. ★W2XAD 19.56 meters GENERAL ELECTRIC CO. Schenectady, N. Y. Relays NBC and WGY programs	
21020 kc. LSN 14.27 meters (Hurlingham), Buenos Aires, Argentina Commercial radiophone; occasional broadcasting.		18820 kc. PLE 15.94 meters BANDOENG, JAVA. 8:40-10:40 a. m. Phone service to Holland		17770 kc. PHI 16.88 meters HUIZEN, HOLLAND Experimental		15300 kc. OXY 19.60 meters LYNGBY, DENMARK Experimental & relay broadcasting	
21000 kc. OKI 14.28 meters PODEBRADY, CZECHOSLOVAKIA		18620 kc. GBJ 16.10 meters General Post Office BODMIN, ENGLAND Telephony with Montreal		17640 kc. Ship. 17.00 meters SHIP Phones to Shore WSBN, "Leviathan" GFVW, "Majestic" GLSQ, "Olympic" GDLJ, "Homeric" GMJQ, "Belgenland" Work on this and higher channels		15270 kc. ★W2XE 19.65 meters COLUMBIA BROAD. SYS. Wayne, N. J. 11:00 a. m.-1:00 p. m.	
20730 kc. LSY 14.47 meters MONTE GRANDE, ARGENTINA Commercial radiophone; occasional broadcasting.		18620 kc. GBU 16.11 meters General Post Office RUGBY, ENGLAND		17380 kc. JIAA 17.25 meters TOKIO, JAPAN		15240 kc. ★FYA 19.68 meters "RADIO COLONIAL" Pontoise (Paris), France Service de la Radiodiffusion, 103 Rue de Grenelle, Paris Daily 7:00-10:00 a. m. Also during late afternoon	
20680 kc. LSN 14.50 meters MONTE GRANDE, ARGENTINA after 10:30 p. m. Telephony with Europe		18350 kc. WND 16.35 meters DEAL BEACH, N. J.		17300 kc. W8XL 17.34 meters DAYTON, OHIO		15210 kc. ★W8XK 19.72 meters WESTINGHOUSE ELECTRIC & MFG. CO. Saxonburg, Pa. 7:30 a. m. to 5 p. m. Relays KDKA programs	
20680 kc. LSX 14.50 meters BUENOS AIRES Telephony with U. S., also occasional broadcasting.		18310 kc. GBS 16.38 meters General Post Office RUGBY, ENGLAND Telephony with New York		17300 kc. W6XAJ 17.34 meters OAKLAND, CALIF.		15200 kc. DJB 19.73 meters ZEESEN, GERMANY	
20680 kc. FSR 14.50 meters PARIS-SAIGON PHONE		18310 kc. FZS 16.38 meters SAIGON, INDO-CHINA 1 to 3 p. m. Sundays		17300 kc. W9XL 17.34 meters ANOKA, MINN.		15140 kc. GSF★ 19.81 meters BRITISH BROAD. CORP. Davertry, England British Empire programs	
20620 kc. PMB 14.54 meters Bandoeng, Java After 4 a. m.; radiophone to Holland		18240 kc. FRO, FRE 16.44 meters ST. ASSISE, FRANCE		17110 kc. WOO 17.52 meters A. T. & T. CO., DEAL, N. J. Transoceanic radiophone		15120 kc. ★HVJ 19.83 meters VATICAN CITY Rome, Italy Daily 5:00 to 5:15 a. m.	
		81170 kc. CGA 16.50 meters DRUMMONDVILLE, QUEBEC CANADA Telephony to England		17110 kc. W2XOD 17.52 meters A. T. & T. Co. OCEAN GATE, N. J.			

Station	Dial	Station	Dial	Station	Dial	Station	Dial
15120 kc. JIAA 19.83 meters TOKIO, JAPAN Irregular, early morning.		12150 kc. GBS 24.68 meters RUGBY, ENGLAND [Transatlantic phone to Deal N. J. (New York)]		11760 kc. XDA 25.50 meters TRENDS-NEWS AGENCY Mexico City 3-4 p. m.		10390 kc. GBX 28.86 meters RUGBY, ENGLAND	
15075 ★TI4NRH 19.9 meters HEREDIA, COSTA RICA, C. A.		12150 kc. FQO, FQE 24.68 meters STE. ASSISE, FRANCE		11760 kc. ★DJJ 25.50 meters ZEESEN, GERMANY		10350 kc. LSX 28.98 meters BUENOS AIRES, ARGENTINA Commercial radiophone	
15000 kc. CM6XJ 19.99 meters CENTRAL TUINUCU, CUBA Irregular		12045 kc. ★NAA 24.89 meters ARLINGTON, VA. Time signals, 11:57 to noon.		11750 kc. ★GSD 25.53 meters BRITISH BROAD. CORP. Daventry, England British Empire programs		10250 kc. ★TI4NRH 29.30 meters AMONDO CESPEDS MARIN Heredia, Costa Rica Mon. and Wed., 7:30 to 8:30 p. m.; Thurs. and Sat., 9:00 to 10 p. m.	
14620 kc. XDA 20.50 meters TRENDS-NEWS AGENCY Mexico City 2:30-3 p. m.		12045 kc. ★NSS 24.89 meters ANNAPOLIS, MD. Time signals, 9:57-10 p. m.		11750 kc. ★VE9JR 25.53 meters WINNIPEG, CANADA Weekdays, 5:30-7:30 p. m.		10150 kc. DIS 29.54 meters NAUEN, GERMANY Press (code) daily; 6 p. m., Spanish; 7 p. m., English; 7:50 p. m., German; 2:30 p. m., English; 5 p. m., German. Sundays; 6 p. m., Spanish; 7:50 p. m., German; 9:30 p. m., Spanish	
14530 kc. LSA 20.65 meters BUENOS AIRES, ARGENTINA		12000 kc. FZG 24.98 meters SAIGON, INDO-CHINA Time signals, 2-2:05 p. m.		11730 kc. PHI 25.57 meters HUIZEN, HOLLAND		10000 kc. 30 meters BELGRADE, JUGO-SLAVIA	
14480 kc. GBW 20.70 meters RADIO SECTION General Post Office, London E. C. I. Rugby, England		11945 kc. KKQ 25.10 meters BOLINAS, CALIF.		11705 kc. ★FYA 25.6 meters "RADIO COLONIAL" Pontoise (Paris) Daily, 3:00-6:00 p. m.		9950 kc. GBU 30.15 meters RUGBY, ENGLAND	
14480 kc. WNC 20.70 meters A. T. & T. CO., DEAL, N. J. Transoceanic radiophone		11905 kc. ★FYA 25.16 meters "RADIO COLONIAL" Pontoise, Paris Daily 10:30 a. m.-2:00 p. m.		11690 kc. ★YVQ 25.65 meters MARACAY, VENEZUELA (Also broadcasts occasionally)		9890 kc. LSN 30.30 meters BUENOS AIRES Phone to Europe	
14420 kc. VPD 20.80 meters SUVA, FIJI ISLANDS		11880 kc. ★W9XF 25.24 meters NATIONAL BROADCASTING CO. Downers Grove (Chicago), Ill. 9-10 p. m. daily; relays NBC programs		11670 kc. KIO 25.68 meters KAHUU, HAWAII		9890 kc. LSA 30.30 meters BUENOS AIRES	
14150 kc. KKZ 21.17 meters BOLINAS, CALIF.		11870 kc. VUC 25.26 meters CALCUTTA, INDIA 9:45-10:45 p. m.; 8-9 a. m.		11530 kc. CGA 26.00 meters DRUMMONDVILLE, CANADA		9860 kc. ★EAQ 30.4 meters TRANSRADIO ESPANOLA Alcala 43-Madrid, Spain (P. O. Box 951) 5:30-7:00 p. m. daily	
13400 kc. WND 22.38 meters A. T. & T. CO., DEAL BEACH, N. J. Transoceanic telephony		11870 kc. ★W8XK 25.26 meters WESTINGHOUSE ELECTRIC East Pittsburgh, Pa. 4-10 p. m., relays KDKA programs		11490 kc. GBK 26.10 meters BODMIN, ENGLAND		9790 kc. GBW 30.64 meters RUGBY, ENGLAND	
12880 kc. CNR 23.38 meters RABAT, MOROCCO, AFRICA		11865 kc. ★GSE 25.28 meters British Broad. Corp. DAVENTRY, ENGLAND British Empire programs		11470 kc. IBDK 26.15 meters S.S. "ELETTRA" Marconi's yacht		9750 kc. WNC 30.75 meters DEAL, N. J.	
12850 kc. W2XO 23.35 meters GENERAL ELECTRIC CO. Schenectady, N. Y. Experimental radiophone and relay broadcasting		11840 kc. W9XAO 25.34 meters CHICAGO FEDERATION OF LABOR Chicago, Ill. Relays WCFL programs		11435 kc. DHC 26.22 meters NAUEN, GERMANY		9700 kc. WMI 30.90 meters DEAL, N. J.	
12850 kc. W2XCU 23.35 meters AMPERE, N. J.		11830 kc. ★W2XE 25.36 meters COLUMBIA BROADCASTING SYS., Wayne, N. J. 3:00-5:00 p. m.		11340 kc. DAN 26.44 meters NORDEICH, GERMANY Time signals, 7 a. m., 7 p. m. Deutsche Seewarte, Hamburg		9675 kc. ★T14NRH 31 meters HEREDIA, COSTA RICA, C. A.	
12850 kc. W9XL 23.35 meters ANOKA, MINN.,		11810 kc. ★I2RO 25.4 meters "RADIO ROMA NAPOLI" Rome, Italy Daily, 11:30 a. m. to 12:15 p. m. and 2:00-6:00 p. m. Sunday, 11:00 a. m.-12:15 p. m. Woman announcer		11181 kc. ★CT3AQ 26.83 meters FUNCHAL, MADEIRA Tues., Thurs., 5:00-6:30 p. m. Sunday, 10:30 a. m.-1:00 p. m.		9640 kc. HSP2 31.10 meters BROADCASTING SERVICE Post and Telegraph Department Bangkok, Siam 9-11 a. m., daily	
12820 kc. ★CNR 23.38 meters DIRECTOR GENERAL Telegraph and Telephone Stations, Rabat, Morocco Sun., 7:30-9 a. m. Daily, 5-7 a. m. Telephony		11800 kc. ★VE9GW 25.42 meters W. A. SHANE, CHIEF ENGINEER Bowmanville, Canada Daily, 1-4 p. m.		10980 kc. ZLW 27.30 meters WELLINGTON, N. Z. Tests 3-8 a. m.		9600 kc. ★CTIAA 31.25 meters LISBON, PORTUGAL Tues. and Friday, 4:30-7:00 p. m.	
12780 kc. GBC 23.46 meters RUGBY, ENGLAND		11790 kc. WIXAL 25.45 meters BOSTON, MASS.		10630 kc. PLR 28.20 meters BANDOENG, JAVA Works with Holland and France weekdays from 7 a. m.; some- times after 9:30		9600 kc. LQA 31.25 meters BUENOS AIRES	
12290 kc. GBU 24.41 meters RUGBY, ENGLAND		11780 kc. ★VE9DR 25.47 meters DRUMMONDVILLE, QUEBEC Canada Irregular		10540 kc. WLO 28.44 meters A. T. & T. CO., LAWRENCE, N. J. Transoceanic radiophone		9600 kc. LGN 31.23 meters BERGEN, NORWAY	
12250 kc. FTN 24.46 meters STE. ASSISE (PARIS), FRANCE Works Buenos Aires, Indo- China and Java. On 9 a. m. to 1 p. m. and other hours				10540 kc. VLK 28.44 meters SYDNEY, AUSTRALIA Commercial radiophone		9595 kc. ★HBL 31.27 meters League of Nations GENEVA, SWITZERLAND	
12250 kc. GBS 24.46 meters RUGBY, ENGLAND				10410 kc. PDK 28.80 meters KOOTWIJK, HOLLAND		9590 kc. ★VK2ME 31.28 meters AMALGAMATED WIRELESS, Ltd., Sydney, Australia Sun., 1-3 a. m., 5-9 a. m., 9:30- 11:30 a. m.	
12250 kc. PLM 24.46 meters BANDOENG, JAVA Radiophone to Holland				10410 kc. KEZ 28.80 meters BOLINAS, CALIF.			
				10410 kc. LSY 28.80 meters BUENOS AIRES, ARGENTINA			

Station	Dial	Station	Dial	Station	Dial	Station	Dial
9585 kc. ★GSC 31.29 meters BRITISH BROAD. CORP. Daventry, England British Empire programs		9200 kc. GBS 32.61 meters RUGBY, ENGLAND Transatlantic phone		8120 kc. PLW 36.92 meters BANDOENG, JAVA		7220 kc. HB9D 41.50 meters ZURICH, SWITZERLAND 1st and 3rd Sundays at 7 a. m., 2 p. m.	
9580 kc. ★W3XAU 31.32 meters BYBERRY (Philadelphia), PA. relays WCAU daily		9010 kc. GBS 33.30 meters RUGBY, ENGLAND		8100 kc. EATH 37.02 meters VIENNA, AUSTRIA Mon. end Thurs., 5:30 to 7 p. m.		7195 kc. VSIAB 41.67 meters SINGAPORE, S. S. Mon., Wed. and Fri., 9:30-11 a. m.	
9570 kc. ★WIXAZ 31.35 meters WESTINGHOUSE ELECTRIC & MFG. CO. Springfield, Mass. 6 a. m.-10 p. m., daily		8928 kc. TGX 33.50 meters GUATEMALA CITY, C. A.		7390 kc. DOA 37.80 meters DOEBERITZ, GERMANY 1 to 3 p. m. Reichpostzentramt, Berlin		7140 kc. HKX 42.00 meters BOGOTA, COLOMBIA Irregular	
9570 kc. SRI 31.35 meters POZNAN, POLAND Tues., 2:00-5:00 p. m., Wed., 7:00-8:00 a. m., Thurs., 2:00- 3:30 p. m.		8872 kc. NPO 33.81 meters CAVITE (MANILA) Philippine Islands Time signals 9:55-10 p. m.		7890 kc. VPD 38.00 meters SUVA, FIJI ISLANDS		7020 kc. EAR125 42.70 meters MADRID, SPAIN Irregular	
9560 kc. ★DJA 31.38 meters REICHSPOSTZENTRALAMT 11-15 Schoenberge Strasse (Berlin) Konigswusterhausen, Germany		8872 kc. ★NAA 33.81 meters ARLINGTON, VA. Time signals 9:57-10 p. m., 2:57-3 p. m.		7880 kc. JIAA 38.07 meters TOKIO, JAPAN Broadcasting 5:00-7:00 a. m.		6990 kc. ★CTIAA 42.90 meters LISBON, PORTUGAL Fridays, 5-7 p. m.	
9530 kc. ★W2XAF 31.48 meters GENERAL ELECTRIC CO. Schenectady, N. Y. Relays NBC and WGY programs		8810 kc. WSBN 34.05 meters S.S. "LEVIATHAN"		7830 kc. PDV 38.30 meters KOOTWIJK, HOLLAND After 9 a. m.		6976 kc. EAR110 43 meters MADRID, SPAIN Tues., Sat., 5:30 p. m.	
9520 kc. ★OXY 31.51 meters SKAMLEBOEK, DENMARK Daily from 1:00 p. m.		8690 kc. W2XAC 34.50 meters SCHENECTADY, NEW YORK		7799 kc. ★HBP 38.47 meters LEAGUE OF NATIONS, GENEVA, SWITZERLAND		6875 kc. F8MC 43.60 meters CASABLANCA, MOROCCO Sun., Tues., Wed., Sat.	
9510 kc. ★GSB 31.55 meters BRITISH BROAD. CORP. Daventry, England British Empire programs		8650 kc. W2XCU 34.68 meters AMPERE, N. J.		7770 kc. FTF 38.60 meters STE. ASSISE, FRANCE		6860 kc. KEL 43.70 meters BOLINAS, CALIF. Transpacific Radiophone	
9510 kc. ★VK3ME 31.55 meters AMALGAMATED WIRELESS, Ltd. 167-169 Queen St., Melbourne, Australia Wed., 5:00-6:30 a. m., Sunday, 5:00-7:00 a. m.		8650 kc. W3XE 34.68 meters BALTIMORE, MD. 12:15-1:15 p. m., 10:15-11:15 p. m.		7770 kc. PCK 38.60 meters KOOTWIJK, HOLLAND 9 a. m. to 7 p. m.		6860 kc. Radio Vitus 43.70 meters PARIS, FRANCE 4-11 a. m. 3 p. m.	
9375 kc. EH9OC 32.00 meters BERNE, SWITZERLAND 3-5:30 p. m.		8650 kc. W2XV 34.68 meters RADIO ENGINEERING LAB. Long Island City, N. Y.		7660 kc. FTL 39.15 meters STE. ASSISE, FRANCE		6840 kc. CFA 43.80 meters DRUMMONDVILLE, CANADA	
9330 kc. CGA 32.15 meters 5:00-7:00 a. m. DRUMMONDVILLE, CANADA		8650 kc. W8XAG 34.68 meters DAYTON, OHIO		7612 kc. HKF 39.40 meters BOGOTA, COLOMBIA 8-10 p. m.		6753 kc. WND 44.40 meters DEAL, N. J.	
9310 kc. GBC 32.22 meters RUGBY, ENGLAND Sundays, 2:30-5 p. m.		8650 kc. VE9BY 34.68 meters LONDON, ONTARIO, CANADA		7612 kc. X26A 39.4 meters NUEVO LAREDO, MEXICO		6660 kc. F8KR 45 meters CONSTANTINE, ALGERIA Mon., Fri., 5 p. m.	
9300 kc. CNR 32.26 meters RABAT, MOROCCO Sunday 2:00-4:00 p. m.		8650 kc. W4XG 34.68 meters MIAMI, FLA.		7530 kc. EI Prado 39.80 meters Riobamba, Ecuador Thurs., 9-11 p. m.		6660 kc. HKM 45 meters BOGOTA, COLOMBIA 9-11 p. m.	
9250 kc. GBK 32.40 meters BODMIN, ENGLAND		8650 kc. W3XX 34.68 meters WASHINGTON, D. C.		7520 kc. CGE 39.74 meters CALGARY, CANADA Testing, Tues., Thurs.		6660 kc. TGW 45 meters GUATEMALA CITY, C. A.	
9230 kc. FLJ 32.50 meters PARIS, FRANCE (Eiffel Tower). Time signals 2:56 a. m. and 2:56 p. m.		8630 kc. WOO 34.74 meters DEAL, N. J.		7460 kc. YR 40.20 meters LYONS, FRANCE Daily except Sun., 10:30 to 1:30 a. m.		6515 kc. WOO 46.05 meters DEAL, N. J.	
		8630 kc. W2XDO 34.74 meters OCEAN GATE, N. J.		7444 kc. HBQ 40.3 meters LEAGUE OF NATIONS, GENEVA, SWITZERLAND		6438 kc. REN 46.6 meters MOSCOW, J. S. S. R.	
		8570 kc. ★RV15 35.00 meters FAR EAST RADIO STATION Khabarovsk, Siberia 5-7:30 a. m.		7320 kc. ZTJ 40.90 meters JOHANNESBURG, SO. AFRICA 9:30 a. m.-2:30 p. m.		6425 kc. W9XL 46.70 meters ANOKA, MINN.	
		8550 kc. WOO 35.09 meters OCEAN GATE, N. J.		7230 kc. DOA 41.46 meters DOEBERITZ, GERMANY Irregular			
		8450 kc. PRAG 35.50 meters PORTO ALEGRE, BRAZIL 8:30-9:00 a. m.					

Station	Dial	Station	Dial	Station	Dial	Station	Dial
6425 kc. ★W3XL 46.70 meters NATIONAL BROADCASTING CO. Bound Brook, N. J. Relays WJZ programs		6120 kc. ★YV1BC 49.02 meters CARACAS, VENEZUELA 8:00-10:00 p. m. nightly		Nairobi, Kenya, Africa Monday, Wednesday, Friday, 11 a. m.-2:30 p. m.; Tuesday, Thursday, 11:30 a. m.-2:30 p. m. Saturday, 11:30 a. m.-3:30 p. m.; Sunday, 11 a. m.-1:30 p. m.; Tuesday, 3 a. m.-4 a. m.; Thursday, 8 a. m.-9 a. m.		6000 kc. ★RV59 50 meters RADIO MOSCOW, U. S. S. R. 2:00-5:00 p. m. daily	
6425 kc. VE9BY 46.7 meters LONDON, ONTARIO, CANADA		6110 kc. VE9CG 49.10 meters CALGARY, ALTA., CANADA		6060 kc. CMCI 49.5 meters HAVANA, CUBA 9:00-11:00 p. m.		5970 kc. ★HVJ 50.26 meters VATICAN CITY (ROME) 2-2:15 p. m., daily, Sun., 5-5:30 a. m.	
6420 kc. RV62 46.72 meters MINSK, U. S. S. R. Irregular		6110 kc. VUC 49.1 meters CALCUTTA, INDIA		6060 kc. ★W3XAU 49.50 meters BYBERRY, PA. Relays WCAU, Philadelphia		5900 kc. HKO 50.80 meters MEDELLIN, COLOMBIA 8-11 p. m., except Sunday	
6382 kc. HC1DR 47.00 meters QUITO, ECUADOR 8-11 p. m.		6100 kc. ★W3XAL 49.15 meters NATIONAL BROADCASTING CO. Bound Brook, N. J. Relays WJZ programs		6050 kc. ★GSA 49.58 meters BRITISH BROAD. CORP. Daventry, England British Empire programs		5857 kc. XDA 51.22 meters MEXICO CITY, MEXICO	
6335 kc. VE9AP 47.35 meters DRUMMONDVILLE, CANADA		6100 kc. VE9CF 49.15 meters HALIFAX, N. S., CANADA 6-10 p. m., Tues., Thurs., Fri.		6050 kc. VE9CF 49.59 meters HALIFAX, N. S., CANADA 11 a. m.-noon, 5-6 p. m. On Wed., 8-9; Sun., 6:30-8:15 p. m.		5835 kc. HKD 51.40 meters BARRANQUILLA, COLOMBIA 7:45-10:30 p. m., Mon.; Wed., 8-10:30 p. m.; Sunday, 7:45- 8:30 p. m. Elias J. Pellet.	
6270 kc. HKC 47.81 meters BOGOTA, COLOMBIA 8:30-11:30 p. m.		6100 kc. ★W9XF 49.18 meters DOWNERS GROVE, ILL. Relays WENR, Chicago		6040 kc. PK3AN 49.67 meters SOURABAYA, JAVA 6-9 a. m.		5710 kc. VE9CL 52.50 meters WINNIPEG, CANADA	
6243 kc. HKD 48.05 meters BARRANQUILLA, COLOMBIA		6095 kc. ★VE9GW 49.17 meters BOWMANVILLE, ONTARIO, CANADA 5:00 p. m. to midnight		6040 kc. ★W4XB 49.67 meters LAWRENCE E. DUTTON care Isle of Dreams Broadcast Corp., Miami Beach, Fla. until 10:00 p. m.		5550 kc. W8XJ 54.02 meters COLUMBUS, OHIO	
6250 kc. ★CN8MC 48 meters CASABLANCA, MOROCCO Monday, 3:00-4:00 p. m. Tuesday, 7:00, 8:00 a. m. and 3:00-4:00 p. m.		6080 kc. ★W9XAA 49.31 meters CHICAGO FEDERATION OF LABOR Chicago, Ill. Relays WCFL programs		6040 kc. WIXAL 49.67 meters BOSTON, MASS.		5170 kc. OK1MPT 58.00 meters PRAGUE, CZECHOSLOVAKIA 1-3:30 p. m., Tues. and Fri.	
6220 kc. ★I2RO 48.2 meters ROME, ITALY		6075 kc. ★OXY 49.4 meters SKAMLEBOAEK, DENMARK		6030 kc. VE9CA 49.75 meters CALGARY, ALTA., CANADA		5170 kc. PMY 58.00 meters BANDOENG, JAVA	
6167 kc. XIF 48.65 meters MEXICO CITY, MEXICO		6072 kc. UOR2 49.41 meters VIENNA, AUSTRIA		6023 kc. XEW 49.8 meters MEXICO CITY, MEXICO		5170 kc. PMB 58.00 meters SOURABAYA, JAVA	
6147 kc. ★VE9CL 48.8 meters WINNIPEG, CANADA 7:00-9:30 p. m.		6069 kc. VE9CS 49.43 meters VANCOUVER, B. C., CANADA		6020 kc. DJC 49.83 meters ZEESEN, GERMANY		5714 kc. HCJB 52.5 meters QUITO, ECUADOR, S. A.	
6140 kc. ★W8XK 48.86 meters WESTINGHOUSE ELECTRIC & MFG. CO. Saxonburg, Pa. Relays KDKA programs, 5 p. m.-midnight		6069 kc. JB 49.43 meters JOHANNESBURG, SOUTH AFRICA 10:30 a. m.-3:30 p. m.		6005 kc. VE9DR 49.96 meters CANADIAN MARCONI CO. Drummondville, Quebec 6-10 p. m. daily.		5145 kc. OK1MPT 58.31 meters PRAGUE, CZECHOSLOVAKIA	
6125 kc. VE9HX 48.98 meters HALIFAX, NOVA SCOTIA		6065 kc. SAJ 49.46 meters MOTALA, SWEDEN 6:30-7 a. m., 11 a. m. to 4:30 p. m.		6005 kc. VE9CU CALGARY, CANADA Irregular		4975 kc. W2XV 60.30 meters RADIO ENGINEERING LAB- ORATORIES, Inc. Long Island City, N. Y.	
6122 kc. ZTJ 49 meters JOHANNESBURG, SOUTH AFRICA 10:30 a. m.-3:30 p. m.		6060 kc. ★W8XAL 49.50 meters CROSLY RADIO CORP. Cincinnati, O. Relays WLW programs		6000 kc. ZGE 50 meters KUALA LUMPUR, MALAY STATES		4795 kc. W9XAM 62.56 meters ELGIN, ILL. (Time signals.)	
6120 kc. ★W2XE 49.02 meters COLUMBIA BROADCASTING SYS. Wayne, N. J., 6:00-11:00 p. m.		6060 kc. ZL2ZX 49.5 meters WELLINGTON, N. Z. Mon., Wed., Thurs., Sat., 10:15 a. m.-1:15 p. m.		6000 kc. EAJ25 50 meters BARCELONA RADIO CLUB, BARCELONA, SPAIN		4795 kc. W3XZ 62.56 meters WASHINGTON, D. C.	
6120 kc. FL 49.02 meters EIFFEL TOWER, PARIS 5:30-5:45 a. m.; 5:45-12:30, 4:15- 4:45 p. m.		6060 kc. ★VQ7LO 49.50 meters IMPERIAL AND INTERNA- TIONAL COMMUNICATIONS, Ltd.		6000 kc. FIQA 49.97 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.		4795 kc. W9XL 62.56 meters CHICAGO, ILL. Irregular	
						4795 kc. VE9BY 62.56 meters LONDON, ONTARIO, CANADA	
						4770 kc. ZL2XX 62.80 meters WELLINGTON, NEW ZEALAND	

Station	Dial	Station	Dial	Station	Dial	Station	Dial
4760 kc. Radio LL 83.00 meters PARIS, FRANCE		4320 kc. G6RX 69.44 meters RUGBY, ENGLAND Experimental Radiophone		3750 kc. F8KR 80.00 meters CONSTANTINE, TUNIS, AFRICA Mon. and Fri.		3124 kc. WOO 96.03 meters DEAL, N. J.	
4750 kc. WOO 53.13 meters OCEAN GATE, N. J.		4310 kc. WTDV 69.60 meters VIRGIN ISLANDS		3750 kc. I3RO 80.00 meters PRATO EMERALDO, Rome, Italy Daily, 3-5 p. m.		3076 kc. W9XL 97.53 meters CHICAGO, ILL.	
4700 kc. WIXAB 63.79 meters PORTLAND, ME.		4273 kc. ★RV15 70.20 meters FAR EAST RADIO STATION Khabarovsk, Siberia Daily, 3-9 a. m.		3620 kc. DOA 82.90 meters DOEBERITZ, GERMANY		2590 kc. WOU 115.8 meters GREEN HARBOR, MASS. Commercial Radiophone, Ship Service	
4510 kc. VPN 66.5 meters NASSAU, BAHAMAS Radiophone to the U. S.		4116 kc. WOO 72.87 meters DEAL, N. J.		3560 kc. OZ7RL 84.24 meters COPENHAGEN, DENMARK Tues. and Fri. after 6 p. m.		2540 kc. WOX 118.06 meters STATEN ISLAND, N. Y. Experimental Radiophone	
4430 kc. DOA 67.65 meters DOEBERITZ, GERMANY 6-7 p. m., 2-3 p. m., Mon., Wed., Fri.		4105 kc. ★NAA 74.72 meters ARLINGTON, VA. Time signals, 9:57-10 p. m., 11:57 a. m. to noon		3256 kc. W9XL 92.50 meters CHICAGO, ILL.		2342 kc. W7XAW 128.09 meters FISHER'S BLEND, INC., Fourth Ave. and University St. Seattle, Washington	
4400 kc. DAF 68.18 meters NORDEN, GERMANY Commercial Radiophone to Ships		4000 kc. HCJB 75 meters QUITO, ECUADOR 9:30-9:45 p. m. daily		3156 kc. PK2AG 95.00 meters SAMARANG, JAVA		1560 kc. WIXAU 199.35 meters BOSTON, MASS.	

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.

<p>According to frequency and wavelength</p> <p>1600-1700 kc. 176.5-187.5 m.</p> <p style="text-align: center;">Dial:</p> <p>W2XR—Radio Pictures, Inc. Long Island City, N. Y. 1000 watts. 60 lines</p> <p>W1XAV—Short Wave & Television Co. Boston, Mass. 1000 watts. 60 lines</p> <p>W8XN—Sparks-Withington Co. Jackson, Mich.</p> <hr/> <p>200-2100 kc. 142.9-150 m.</p> <p style="text-align: center;">Dial:</p> <p>W9XAO—Western Television Corp. Chicago, Ill. 500 watts. 45 lines</p> <p>W6XAH—Pioneer Mercantile Co. Bakersfield, Cal. 1000 watts. 60 lines</p> <p>W9XK—Iowa State University Iowa City, Iowa 100 watts. 60 lines</p>	<p>W8XF—Goodwill Station Pontiac, Mich. 1000 watts</p> <hr/> <p>2100-2200 kc. 136.4-142.9 m.</p> <p style="text-align: center;">Dial:</p> <p>W3XAK—National Broadcasting Co. 5000 watts. Portable</p> <p>W2XBS—National Broadcasting Co. New York, N. Y. 5000 watts</p> <p>W6XS—Don Lee Broadcasting Corp. Gardena, Calif. 1000 watts</p> <p>W9XAP—National Broadcasting Co. Chicago, Ill. 2,500 watts</p> <p>W9XAK—Kansas State College, Manhattan, Kans. 125 watts</p> <hr/> <p>2200-2300 kc. 130.4-136.4 m.</p> <p style="text-align: center;">Dial:</p> <p>W9XAL—First National Television Corp. Kansas City, Mo.</p> <hr/> <p>2750-2850 kc. 105.3-109.1 m.</p> <p style="text-align: center;">Dial:</p> <p>W9XG—Purdue University W. Lafayette, Ind. 1500 watts. 60 lines</p>	<p>W2XAB—Atlantic Broadcasting Corp. New York, N. Y. 500 watts</p> <hr/> <p>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.</p> <p style="text-align: center;">Dial:</p> <p>W9XD—The Journal Co. Milwaukee, Wis. 500 watts</p> <p>W9XE—U. S. Radio & Tele. Corp. Marion, Ind. 1000 watts</p> <p>W8XF—Goodwill Station, Pontiac, Mich.</p> <p>W3XAD—RCA-Victor Co., Camden, N. J. 2000 watts</p> <p>W2XBT—National Broadcasting Co. Portable 750 watts</p> <p>W1XG—Short Wave & Television Co. Boston, Mass. 200 watts</p> <p>W2XR—Radio Pictures, Inc. Long Island City, N. Y. 1000 watts</p>	<p>W2XF—National Broadcasting Co. New York, N. Y. 5000 watts</p> <hr/> <p>W6XAO—Don Lee Broadcasting System Los Angeles, Calif. 150 watts</p> <hr/> <p>W3XE—Philadelphia Storage Battery Co. Philadelphia, Pa. 1500 watts</p> <hr/> <p>W2XAK—Atlantic Broadcasting Corp., New York, N. Y. 50 watts</p> <hr/> <p>W10XX—RCA-Victor Co., Portable and Mobile. 50 watts</p> <hr/> <p>W8XAN—Sparks-Withington Co., Jackson, Mich. 100 watts</p> <hr/> <p>W8XL—WGAR Broadcasting Co., Cuyahoga Hts., Ohio. 200 watts</p>
--	---	---	---

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.
KGNP Davenport, Ia.
WPDZ Fort Wayne, Ind.
WPDY Kokomo, Ind.
WPEC Memphis, Tenn.
KGPI Omaha, Neb.
WPDY Philadelphia, Pa.
KGPD San Francisco, Cal.
KGPW San Jose, Cal.
KGPW Salt Lake City, U.
WRDQ Toledo, Ohio
WPFJ Gary, Ind.
PPFQ Swathmore, Pa.
WPFQ Knoxville, Tenn.
WPFJ Johnson City, Tenn.

2458 kc.-122.0 m.
Dial:

WPDO Akron, Ohio
WPDN Auburn, N. Y.
WPDV Charlotte, N. C.
WRDH Cleveland, Ohio
WPDR Rochester, N. Y.
WPEA Syracuse, N. Y.
..... Asheville, N. C.

2450 kc.-122.4 m.
Dial:

WPKD Milwaukee, Wis.
WPEE New York, N. Y.
WPEF New York, N. Y.

WPEG New York, N. Y.
KGPH Okla. City, Okla.
KGPO Tulsa, Okla.
KGPZ Wichita, Kans.
KGZF Chanute, Kans.
KGZP Coffeyville, Kans.
KGPQ Honolulu, T. H.

2442 kc.-122.8 m.
Dial:

KGPX Denver, Col.
WPDF Flint, Mich.
WPEB Grd. Rapids, Mich.
WMDZ Indianapolis, Ind.
WDDL Lansing, Mich.
WPDE Louisville, Ky.
KGPW Portland, Ore.
WPDH Richmond, Ind.
KGZH Klamath Falls, Ore.
WPFK Muskegon, Mich.
WPFK Reading, Pa.
KGZR Salem, Ore.

2430 kc.-123.4 m.
Dial:

WPDY Columbus, Ohio
KGPW Portland, Ore.
WPDY Dayton, Ohio
KGZD San Diego, Cal.
WPFJ Highland Park, Ill.
WPFJ Toms River, N. J.
WPFK Hackensack, N. J.

2422 kc.-123.8 m.
Dial:

KSW Berkeley, Cal.
WMJ Buffalo, N. Y.
KGPE Kansas City, Mo.

KGPG Vallejo, Cal.
WPEK New Orleans, La.
WPDW Washington, D. C.
WPFJ Jacksonville, Fla.

2416 kc.-124.1 m.
Dial:

KGPB Minneapolis, Minn.
WPDS St. Paul, Minn.

2414 kc.-124.2 m.
Dial:

WPDY Atlanta, Ga.
KGPS Bakersfield, Cal.
WCK Belle Island, Mich.
WPDY Detroit, Mich.
WRDR Grosse Pt. Vil. Mich.
WMO Highland Pk., Mich.
KGPA Seattle, Wash.
WPKA Tulare, Cal.
KGZM El Paso, Tex.
WPFH Baltimore, Md.
KGZN Tacoma, Wash.
WPFJ Columbus, Ga.
WPFM Birmingham, Ala.
WPFJ Clarksburg, W. Va.
..... Santa Barbara, Cal.

1712 kc.-175.15 m.
Dial:

KGPJ Beaumont, Tex.
WPDB Chicago, Ill.
WPDC Chicago, Ill.
WPDD Chicago, Ill.
WKDU Cincinnati, Ohio

KVP Dallas, Tex.
KGPL Los Angeles, Cal.
KGJX Pasadena, Cal.
WPDU Pittsburgh, Pa.
KGPC St. Louis, Mo.
KGZI Wichita Falls, Tex.
WPEA Newton, Mass.
KGZL Shreveport, La.
WPEH Somerville, Mass.
WPEP Arlington, Mass.
KGZB Houston, Tex.
WPFJ Hammond, Ind.
WPFN Fairhaven, Mass.
KGZQ Waco, Tex.
WPET Lexington, Mass.
WPEI E. Providence, R. I.

1574 kc.-189.5 m.
Dial:

WRDS E. Lansing, Mich.
WMP Fram'gham, Mass.
WPEW North'pton, Mass.
KGPY Shreveport, La.
WPEL W. B'dgew'r, Mass.
WPEV Portable, Mass.

1534 kc.-196.1 m.
Dial:

KGHO Des Moines, Ia.

257 kc.-1123 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.	KSW Berkeley, Cal.	2422 kc.	WPDZ Fort Wayne, Ind.	2470 kc.
KGJX Pasadena, Cal.	1712 kc.	KVP Dallas, Tex.	1712 kc.	WPEA Syracuse, N. Y.	2458 kc.
KGOZ Cedar Rapids, Iowa	2470 kc.	WBA Harrisburg, Pa.	257 kc.	WPEB Grand Rapids, Mich.	2442 kc.
KGPA Seattle, Wash.	2414 kc.	WBR Butler, Pa.	257 kc.	WPEC Memphis, Tenn.	2470 kc.
KGPB Minneapolis, Minn.	2416 kc.	WCK Belle Island, Mich.	2414 kc.	WPEE New York, N. Y.	2450 kc.
KGPC St. Louis, Mo.	1712 kc.	WDX Wyoming, Pa.	257 kc.	WPEF New York, N. Y.	2450 kc.
KGPD San Francisco, Cal.	2470 kc.	WJL Greensburg, Pa.	257 kc.	WPEG New York, N. Y.	2450 kc.
KGPE Kansas City, Mo.	2422 kc.	WKDU Cincinnati, Ohio	1712 kc.	WPEH Somerville, Mass.	1712 kc.
KGPG Vallejo, Cal.	2422 kc.	WMB W. Reading, Pa.	257 kc.	WPEI E. Providence, R. I.	1712 kc.
KGPH Oklahoma City, Okla.	2450 kc.	WMDZ Indianapolis, Ind.	2442 kc.	WPEK New Orleans, La.	2422 kc.
KGPI Omaha, Neb.	2470 kc.	WMJ Buffalo, N. Y.	2422 kc.	WPEL W. Bridgewater, Mass.	1574 kc.
KGPJ Beaumont, Tex.	1712 kc.	WMO Highland Park, Mich.	2414 kc.	WPEP Arlington, Mass.	1712 kc.
KGPL Los Angeles, Cal.	1712 kc.	WMP Framingham, Mass.	1574 kc.	WPET Lexington, Mass.	1712 kc.
KGPM San Jose, Cal.	2470 kc.	WPDA Tulare, Cal.	2414 kc.	WPEV Portable, Mass.	1574 kc.
KGNP Davenport, Iowa	2470 kc.	WPDB Chicago, Ill.	1712 kc.	WPFA Newton, Mass.	1712 kc.
KGPO Tulsa, Okla.	2450 kc.	WPDC Chicago, Ill.	1712 kc.	WPFK Muskegon, Mich.	2442 kc.
KGPW Portland, Ore.	2442 kc.	WPDD Chicago, Ill.	1712 kc.	WPFJ Highland Park, Ill.	2430 kc.
KGPQ Honolulu, T. H.	2450 kc.	WPDE Louisville, Ky.	2442 kc.	WPFK Reading, Pa.	2442 kc.
KGPS Bakersfield, Cal.	2414 kc.	WPDF Flint, Mich.	2442 kc.	WPFJ Toms River, N. J.	2430 kc.
KGPW Salt Lake City, Utah	2470 kc.	WPDH Richmond, Ind.	2442 kc.	WPFQ Jacksonville, Fla.	2442 kc.
KGPX Denver, Colo.	2442 kc.	WPDY Columbus, Ohio	2430 kc.	WPFH Baltimore, Md.	2414 kc.
KGPY Shreveport, La.	1574 kc.	WPKD Milwaukee, Wis.	2450 kc.	WPFJ Columbus, Ga.	2414 kc.
KGPZ Wichita, Kans.	2450 kc.	WPDY Lansing, Mich.	2442 kc.	WPFJ Hammond, Ind.	1712 kc.
KGZB Houston, Tex.	1712 kc.	WPDY Dayton, Ohio	2430 kc.	WPFK Hackensack, N. J.	2430 kc.
KGZD San Diego, Cal.	2430 kc.	WPDN Auburn, N. Y.	2458 kc.	WPFJ Gary, Ind.	2470 kc.
KGZE San Antonio, Tex.	2506 kc.	WPDO Akron, Ohio	2458 kc.	WPFM Birmingham, Ala.	2414 kc.
KGZF Chanute, Kans.	2450 kc.	WPDY Philadelphia, Pa.	2470 kc.	WPFN Fairhaven, Mass.	1712 kc.
KGZH Klamath Falls, Ore.	2442 kc.	WPDR Rochester, N. Y.	2458 kc.	WPFQ Knoxville, Tenn.	2470 kc.
KGZI Wichita Falls, Tex.	1712 kc.	WPDS St. Paul, Minn.	2416 kc.	WPFJ Clarksburg, W. Va.	2414 kc.
KGZL Shreveport, La.	1712 kc.	WPDY Kokomo, Ind.	2470 kc.	WPFQ Swathmore, Pa.	2470 kc.
KGZM El Paso, Tex.	2414 kc.	WPDY Pittsburgh, Pa.	1712 kc.	WPFJ Johnson City, Tenn.	2470 kc.
KGZN Tacoma, Wash.	2414 kc.	WPDY Charlotte, N. C.	2458 kc.	WRDH Cleveland, Ohio	2458 kc.
KGZP Coffeyville, Kans.	2450 kc.	WPDW Washington, D. C.	2422 kc.	WRDR Grosse Pt. Village, Mich.	2414 kc.
KGZQ Waco, Tex.	1712 kc.	WPDY Detroit, Mich.	2414 kc.	WRDQ Toledo, Ohio	2470 kc.
KGZR Salem, Ore.	2442 kc.	WPDY Atlanta, Ga.	2414 kc.		

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 Twp., Ill. WNAT Paseo, Wash. KRQ Ponea 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>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>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. KBTY Camden, N. J. WAEE Columbus, Ohio WHG Cresson, Pa. WAEG 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. KCTR 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>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>Abilene, Tex. KGUL Beaumont, Tex. KGTV Birmingham, Ala. WSDE Boston, Mass. WSDD Mobile, Ala. WAEK</p>	<p>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.-8915 kc.</p> <p>Albany, N. Y. WSDM Atlanta, Ga. WQPD Bera, Ohio WSDQ Big Spring, Tex. KGUG Brownsville, Tex. KGUE Burbank, Calif. KGUR Chicago, Ill. WSDG Cincinnati, Ohio WSID Columbus, Ohio WSDP Dallas, Tex. KGUF Douglas, Ariz. KGUN El Paso, Tex. KGUA Frijole, Tex. KGUM Indianapolis, Ind. WSDZ Indio, Calif. KGUQ Jackson, Miss. KSDB Little Rock, Ark. KQUU Louisville, Ky. WSDF 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>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>	<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. 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 Buffalo, N. Y. WSDO 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>Atlantic City, N. J. WEEQ 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>
--	---	---	---

Alphabetically by Call Letters

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

<p>KBTY Butte, Mont. (2) KEU Burbank, Calif. (1) KFM Sacramento, Calif. (1) KFO Oakland, Calif. (1) KGE Medford, Ore. (1) KGGUC 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. (1) 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) KCTR Robertson, Mo. (2) KGTS Omaha, Neb. (5) KGTV Beaumont, Tex. (4) KGTX Pocatello, Idaho (2) KGTZ Spokane, Wash. (1) KGUA El Paso, Tex. (5)</p>	<p>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 Ponea 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) KNAU Tulsa, Okla. (1) KNAV Okla. City, Okla. (1) KNWA St. Paul, Minn. (6) KNWB Fargo, N. D. (6)</p>	<p>KNWC Pembina, N. D. (6) KOE Cheyenne, Wyo. (1) WAEC Pittsburgh, Pa. (2) WAED Harrisburg, Pa. (2) WAEE Camden, N. J. (2) WAEF Newark, N. J. (2) WAEG 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) WEEQ Atlantic City, N. J. (9) WEER Richmond, Va. (9) WHG Columbus, Ohio (2) WHM Indianapolis, Ind. (2) WKDL Miami, Fla. (10)</p>	<p>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) WSDF Louisville, Ky. (5) WSDG Chicago, Ill. (5) WSDK Memphis, Tenn. (5) WSDL Duluth, Minn. (6) WSDM Albany, N. Y. (5) WSDO Buffalo, N. Y. (8) WSDP Columbus, Ohio (5) WSDQ Berea, Ohio (5) WSDS Chicago, Ill. (6) WSDT Nashville, Tenn. (5) WSDZ Indianapolis, Ind. (5) WSID Cincinnati, Ohio (5) WUCG Chicago, Ill. (1)</p>
---	---	---	--

AIR LINE DISTANCES OVER

Everyone who has studied geography is familiar with the map called "Mercator's Projection," which for more than three centuries has been the basis for all world maps. Since the earth is round and a map is flat, all ordinary maps give a very distorted idea as to the actual geographical relationship existing between distant countries, and as a distance and direction guide for the short wave fan they are altogether useless. If

FROM TO		NORTH AMERICA										SOUTH AMERICA		AFRICA	
		Montreal, Que. New York, N. Y.	Pittsburgh, Pa.	Chicago, Ill.	Winnipeg, Man.	Denver, Colo.	Los Angeles, Cal.	San Francisco, Cal.	Rio de Janeiro, Brazil.	Buenos Aires, Argentina.	Cairo, Egypt.	Cape Town, U. of S. A.			
Montreal, Que. New York, N. Y.	314	429 313	671 711	1000 1271	1528 1628	2278 2446	2298 2568	5117 4766	5742 5352	5469 5586	7891 7695				
WORLD	Pittsburgh, Pa. Chicago, Ill.	411	1128 670	1320 918	2135 1741	2264 1855	4922 5312	5430 5703	5820 6172	7969 8477					
DISTANCES	Winnipeg, Man. Denver, Colo.	800	1486 828	1402 946	3937 5781	6328 5898	6094 6836	8984 9180							
1523	Tampico, Mexico Balboa, Canal Zone	ARE	Los Angeles, Cal. San Francisco, Cal.	345	6250 6475	6133 6328	7578 7500	8922 10078							
2266 2148	703	Victoria, B. C. Saskatoon, Sask.	GIVEN	Rio de Janeiro, Brazil. Buenos Aires, Argentina.	1250	6172 7344	3750 4219								
1953 1914	859 2187	156 1445	1563	Regina, Sask. Ottawa, Ont.	ABOVE	Cairo, Egypt. Cape Town, U. of S. A.	4492								
2344 2422	2305 2656	1562 1875	1445 1797	430 586	117	Quebec, Que. Moncton, N. B.	THIS	Madrid, Spain. London, England.							
3711 1992	2695 3750	3477 2969	3516 2069	4766 1914	4922 1953	5312 1953	3703	Honolulu, Hawaii San Juan, Porto Rico	LINE:						
2070 1953	273 352	898 586	816 570	810 715	2422 2109	2734 2422	2539 2852	3672 3398	352	Portland, Ore. Spokane, Wash.					
1406 820	820 1641	859 1328	781 1250	1888 1397	1953 1602	2305 1875	3008 3711	3281 3437	664 1523	547 1328	862				
625 1094	1797 1523	1523 1094	1328 820	2656 1055	1641 1289	1914 1602	3789 3867	2070 2187	1680 1484	1184 1211	977 922	188 293			
1250 1562	1523 1406	1016 781	664 547	1094 859	1094 1055	1484 1523	3906 3789	2227 2422	1328 1367	1094 1094	952 988	469 692			
1172 1094	1758 1914	1211 1406	1016 1211	898 937	1289 1172	1445 1445	4023 4258	2031 1758	1680 1797	1406 1562	1158 1390	456 602			
1328 1055	1914 2227	1367 1719	1172 1523	664 937	898 1172	1172 1367	4297 4414	1836 1484	1875 2148	1602 1914	1450 1580	755 753			
1797 1562	2070 2305	1406 1680	1211 1484	156 469	430 625	742 820	4648 4805	1875 1523	2070 2305	1707 2031	1701 1845	1117 1150			
1719 1914	2383 2397	1724 1678	1770 1979	386 301	586 273	703 430	4883 5041	1484 1680	2422 2500	2148 2148	1923 2099	1256 1490			
Tampico, Mexico Balboa, Canal Zone	Victoria, B. C. Saskatoon, Sask.	Regina, Sask. Ottawa, Ont.	Quebec, Que. Moncton, N. B.	Honolulu, Hawaii San Juan, Porto Rico	Portland, Ore. Spokane, Wash.	Salt Lake City, Utah Oklahoma, Okla.									
MEXICO, ETC.	CANADA					UNITED STATES									

U. S. DEPARTMENT OF COMMERCE
B. F. LADD, Secretary
BUREAU OF STATISTICS
OFFICE OF STANDARD TIME
WASHINGTON, D. C.

STANDARD TIME ZONES OF THE UNITED STATES

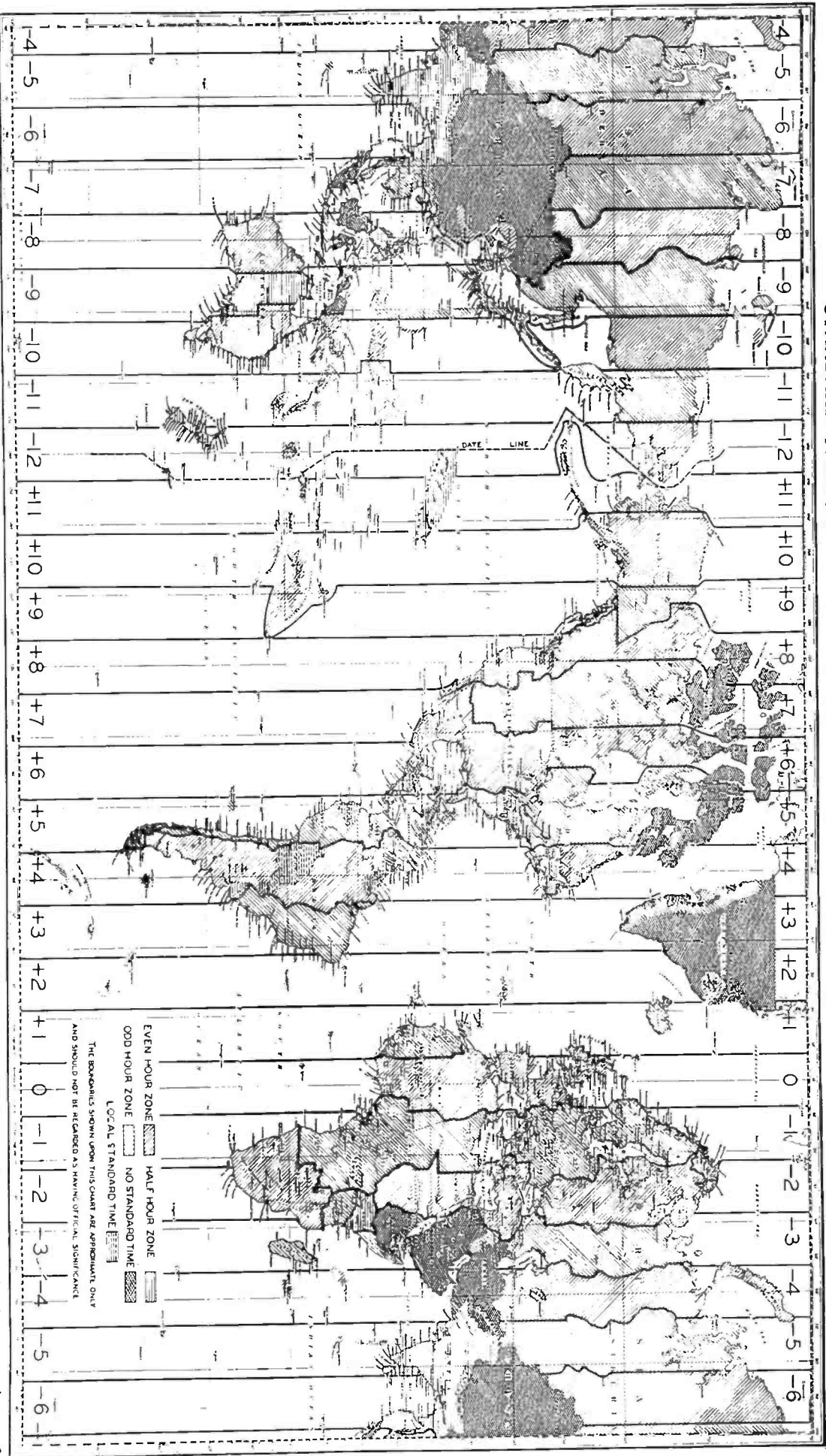
And adjacent parts of Canada and Mexico
As of April 1, 1930

NATIONAL BUREAU OF STANDARDS
KRYPTONLINE PUBLICATION No. 111
Price 10 CENTS
Published by the Government Printing Office
Washington, D. C.



Since the preparation of this map, the time zones of Mexico have been changed by presidential decree. Effective April 1, 1932, all of Mexico, except the northern territory of Lower California, takes the time of the 90th meridian west, six hours slower than Greenwich; which is the same as our Central Standard. Each zone has time an hour slower than that to the east, an hour faster than that to the west.

STANDARD TIME ZONES OF THE WORLD—OUTLINE CHART OF THE WORLD



This map shows the approximate boundaries of the Time Zones, as used under the International Standard Time Zone System, with the meridian of Greenwich, England, as zero. To convert the local mean time of any place to Greenwich Civil Time (G.C.T. or G.M.T.) subtract (-) or add (+) the number of hours indicated for that zone. To convert Greenwich Time to local time, reverse the operation: adding instead of subtracting, and subtracting instead of adding. Example: Melbourne, Australia, is in the +10 zone. It is 11 p. m. at Melbourne; subtracting 10, we find that it is 1 p. m. at Greenwich. (11:00 G. M. T., which runs from 0 to 24 hours.) Chicago is in the +6 zone. Reversing the sign, and subtracting, we find that 13:00 G. M. T. is 7:00 a. m., standard time, at Chicago; corresponding to 11 p. m. the same day at Melbourne. (Avoid figuring hours directly across the Date Line, in the middle of the Pacific; as you may make an error in the date.)

INTERNATIONAL MORSE CODE AND CONVENTIONAL SIGNALS	
A	· · · —
B	· · · · ·
C	· — · — ·
D	· — · — · — ·
E	· — ·
F	· · · — · — ·
G	· — · — · — ·
H	· — · — · — · — ·
I	· · · · ·
J	· — · — · — ·
K	· — · — · — · — ·
L	· — · — · — · — ·
M	· — · — · — · — · — ·
N	· — · — · — · — · — · — ·
O	— — —
P	· — · — · — · — · — · — ·
Q	· — · — · — · — · — · — · — ·
R	· — · — · — · — · — ·
S	· · · · ·
T	· — · — ·
U	· — · — · — ·
V	· — · — · — · — ·
W	· — · — · — · — · — ·
X	· — · — · — · — · — · — ·
Y	· — · — · — · — · — · — · — ·
Z	· — · — · — · — · — · — · — · — ·
9	· — · — · — · — · — · — · — · — · — ·
0	· — · — · — · — · — · — · — · — · — · — ·
A	· — · — · — · — · — · — · — · — · — · — · — ·
A ₁	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₂	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₃	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₄	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₅	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₆	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₇	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₈	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₉	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₁₀	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₁₁	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₁₂	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₁₃	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₁₄	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₁₅	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₁₆	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₁₇	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₁₈	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₁₉	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₂₀	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₂₁	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₂₂	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₂₃	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₂₄	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₂₅	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₂₆	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₂₇	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₂₈	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₂₉	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₃₀	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₃₁	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₃₂	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₃₃	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₃₄	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₃₅	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₃₆	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₃₇	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₃₈	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₃₉	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₄₀	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₄₁	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₄₂	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₄₃	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₄₄	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₄₅	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₄₆	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₄₇	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₄₈	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₄₉	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₅₀	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₅₁	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₅₂	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₅₃	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₅₄	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₅₅	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₅₆	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₅₇	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₅₈	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₅₉	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₆₀	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₆₁	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₆₂	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₆₃	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₆₄	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₆₅	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₆₆	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₆₇	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₆₈	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₆₉	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₇₀	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₇₁	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₇₂	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₇₃	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₇₄	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₇₅	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₇₆	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₇₇	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₇₈	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₇₉	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₈₀	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₈₁	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₈₂	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₈₃	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₈₄	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₈₅	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₈₆	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₈₇	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₈₈	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₈₉	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₉₀	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₉₁	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₉₂	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₉₃	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₉₄	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₉₅	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₉₆	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₉₇	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₉₈	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₉₉	· — · — · — · — · — · — · — · — · — · — · — · — ·
A ₁₀₀	· — · — · — · — · — · — · — · — · — · — · — · — ·
FROM (DE)	·····
INVITATION TO TRANSMIT	·····
(GO AHEAD)	·····
WARNING-HIGH POWER	·····
QUESTION (PLEASE REPEAT AFTER)	·····
INTERRUPTING LONG MESSAGES	·····
WAIT	·····
BREAK (BK) (DOUBLE DASH)	·····
UNDERSTAND	·····
RECEIVED (O.K.)	·····
POSITION REPORT (TO PRECEDE ALL POSITION MESSAGES)	·····
END OF EACH MESSAGE (CROSS)	·····
TRANSMISSION FINISHED (END OF WORK) CONCLUSION OF CORRESPONDENCE	·····

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 "sending," before they have thoroughly learned how to transmit properly and accurately space the dots and dashes. To become a good code operator requires plenty of practice.

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 RADIOTELEGRAPHIC CONVENTION
LIST OF ABBREVIATIONS TO BE USED IN RADIO TRANSMISSIONS

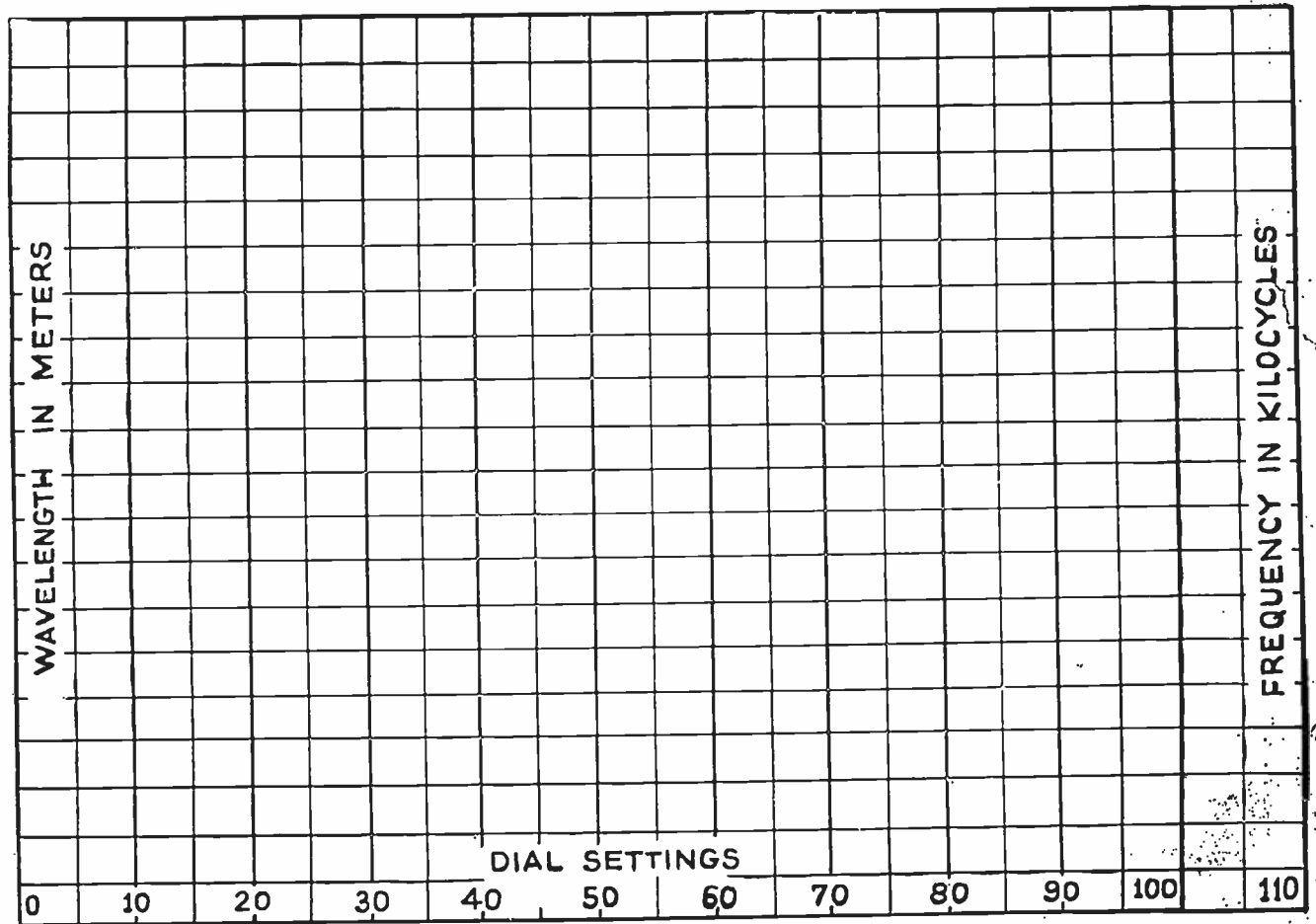
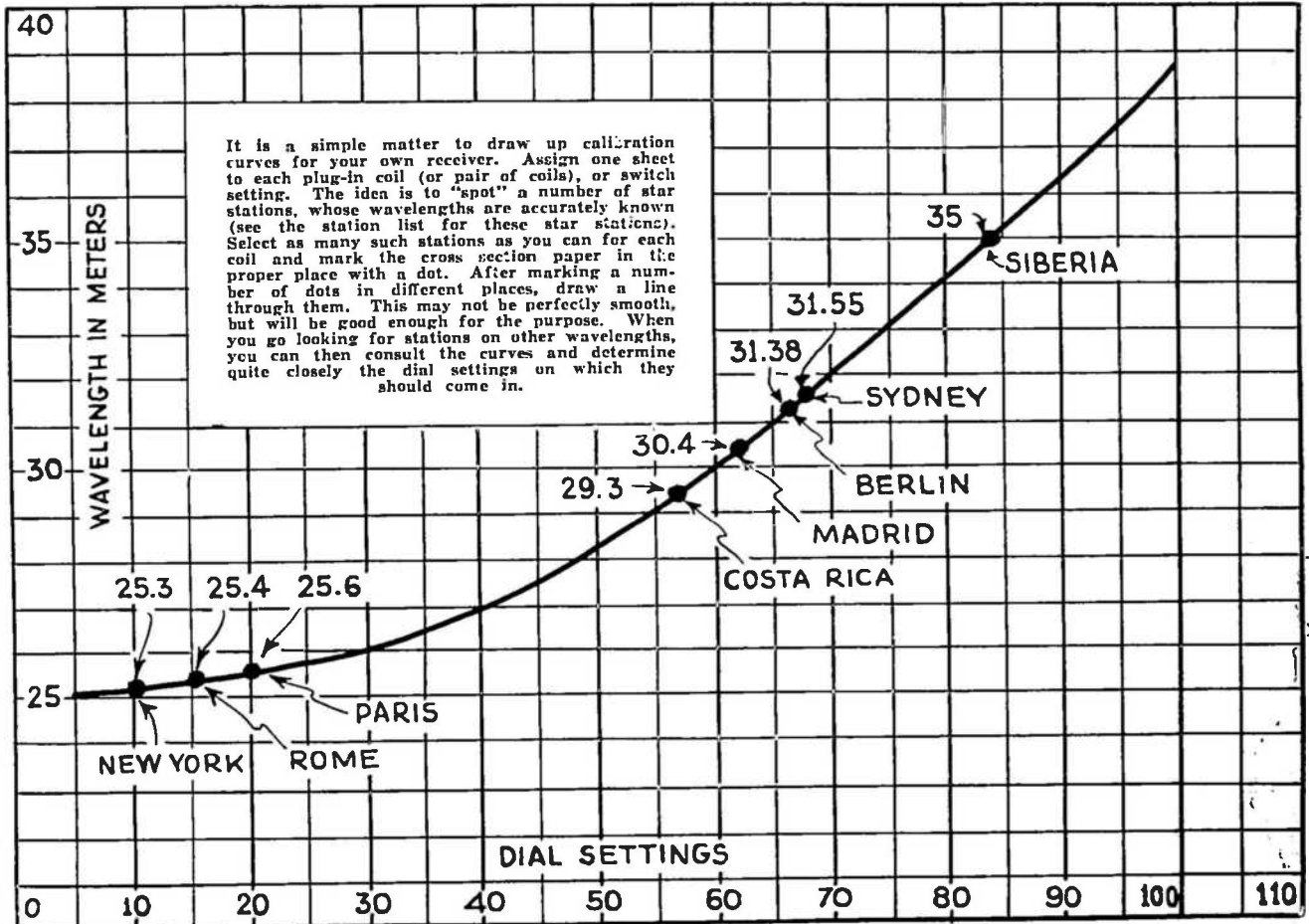
Abbreviations to be used in all services

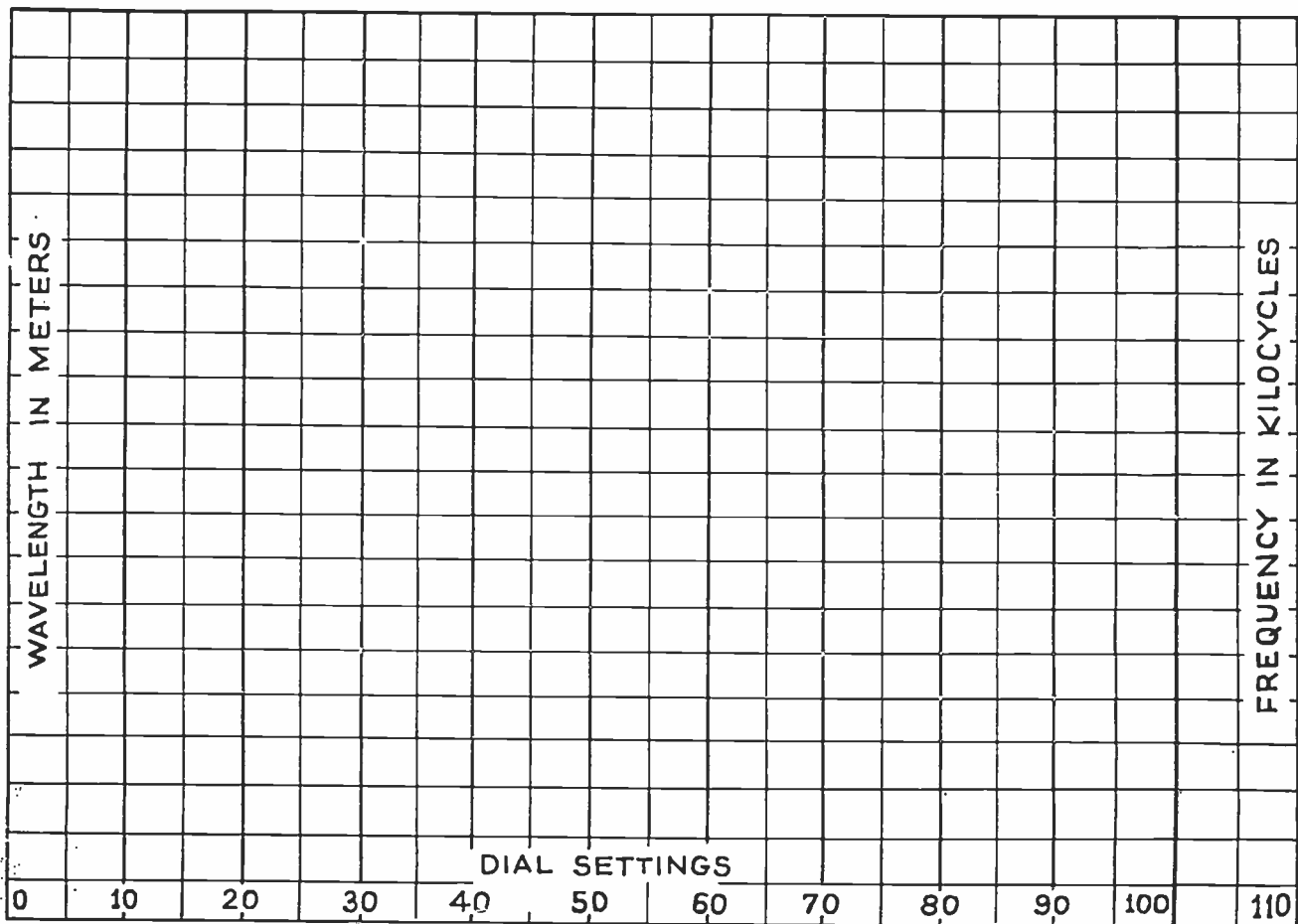
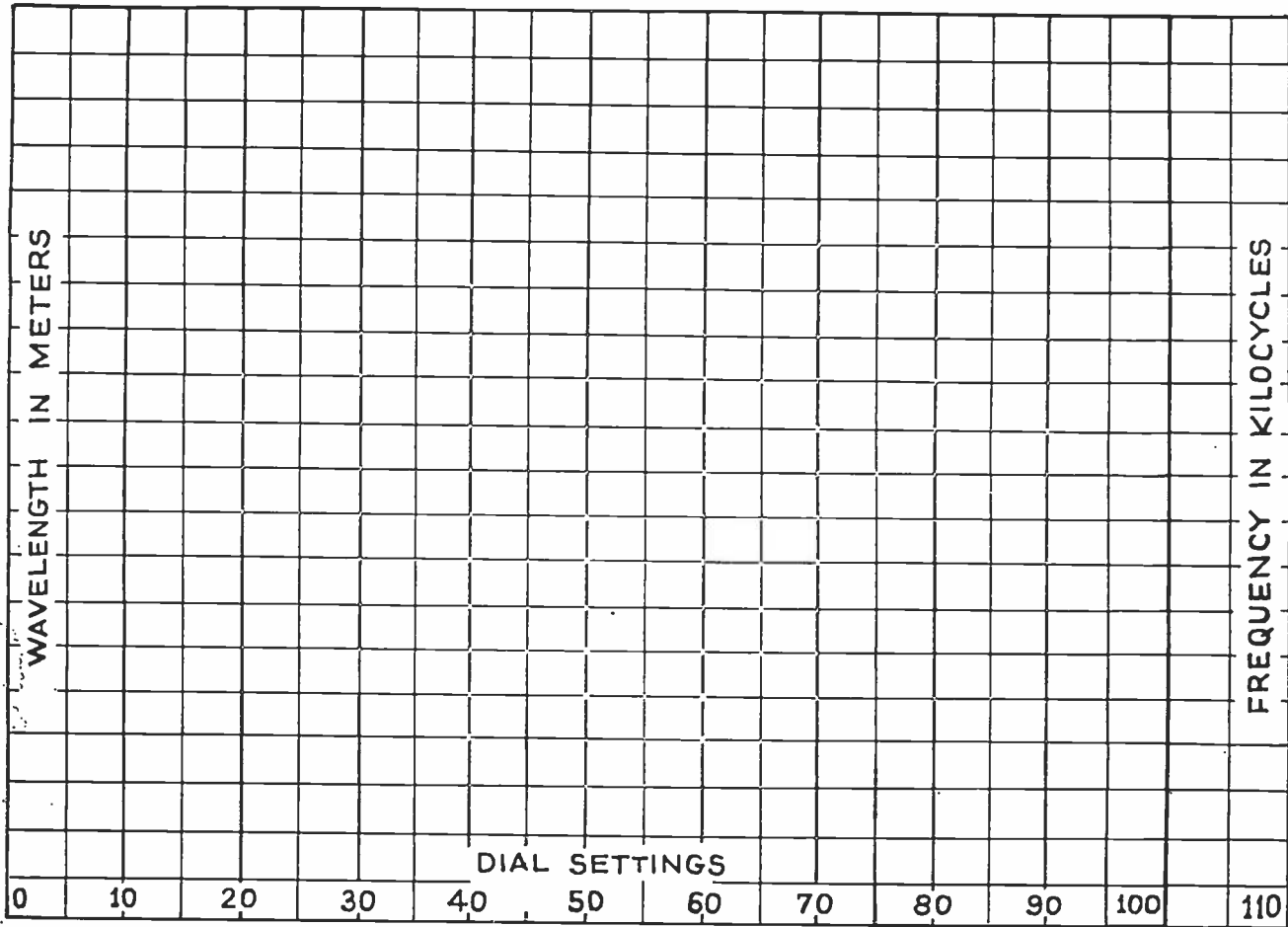
Abbreviation	QUESTION	ANSWER OR NOTICE	Abbreviation	QUESTION	ANSWER OR NOTICE
QRA	What is the name of your station?	The name of my station is	QSO	Can you communicate with directly (or through the intermediary of)?	I can communicate with directly (or through the intermediary of).
QRB	At what approximate 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 by?	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.
QRG	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.
QRH	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 kilocycles) waves of types A1, A2, A3, or B. Continue to listen.
QRJ	What is your exact wave length in meters (frequency in kilocycles)?	My exact wave length is meters (frequency kilocycles).	QSX	Does my wave length (frequency) vary?	Your wave length (frequency) varies.
QRK	Are you receiving me well? Are my signals weak?	Your signals are too weak. Your signals are good.	QSY	Must I send on meters (or kilocycles) without changing the type of wave?	Send on the wave of meters (or kilocycles) without changing the type of wave.
QRL	Are you receiving me well? Are my signals good?	I receive you well. Your signals are good.	QSZ	Must I send each word or group twice?	Send each word or group twice.
QRM	Are you being interfered with?	I am being interfered with.	QTA	Must I cancel telegram No. as if it had not been sent?	Cancel telegram No. as if it had not been sent.
QRN	Must I increase power?	Increase power.	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.
QRO	Must I decrease power?	Decrease power.	QTC	How many telegrams have you to send?	I have telegrams for you or for
QRQ	Must I send faster?	Send faster (..... words per minute).	QTD	Is the word count which I am confirming to you accepted?	Your word count which you confirm to me is accepted.
QRR	Must I send more slowly?	Send more slowly (..... words per minute).	QTE	What is my true bearing? (or)?	Your true bearing is degrees (or) degrees at (o'clock).
QRT	Must I stop sending?	Stop sending.	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 my station based on the bearings taken by the radio-compass stations which I control is latitude, longitude.
QRU	Have you anything for me?	I have nothing for you.	QTG	Will you transmit your call signal for one minute (or kilocycles) in order that I may take your radio-compass bearing?	I am sending my call signal for one minute on meters (or kilocycles) in order that you may take my radio-compass bearing.
QRV	Must I send a series of V's?	Please advise that I am calling him.	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).
QRW	Must I advise that you are calling him?	Wait until I have finished communicating with I will call you immediately (or at o'clock).	QTI	What is your true course?	My true course is degrees.
QRX	Must I advise? When will you call me again?	Wait until I have finished communicating with I will call you immediately (or at o'clock).	QTL	What is your speed?	My speed is knots, or kilometers per hour.
QRZ	Which is my turn?	Your turn is No. (or according to any other indication).	QTM	What is the true bearing of relative to you?	The true bearing of relative to me is degrees at (o'clock).
QSA	By whom am I being called?	You are being called by	QTN	Send radio signals to enable me to determine my bearing with respect to the radio-beacon.	I am sending radio signals to permit you to determine my bearing with respect to the radio-beacon.
QSB	What is the strength of my signals (1 to 5)?	The strength of your signals is (1 to 5).	QTO	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.
QSC	Has the strength of my signals varied?	The strength of your signals varies.	QTP	Can you take the bearing of my station (or of) relative to you?	I can not take the bearing of your station (or of) relative to my station.
QSD	Is my signal disappearing at intervals?	Your signal disappears entirely at intervals. Your keying is bad.	QTR	Are you going to enter the dock (or the port)?	I am going to enter the dock (or the port).
QSE	Are my signals distinct?	Your signals are unreadable.	QTS	What is the exact time?	The exact time is
QSF	Is my automatic transmission good?	Your signals run together.	QTT	What is the true bearing of your station relative to me?	The true bearing of my station relative to you is at (o'clock).
QSG	Must I transmit the telegrams by a series of 5, 10 (or according to any other indication)?	Transmit the telegrams by a series of 5, 10 (or according to any other indication).	QTV	What are the hours during which your station is open?	My station is open from to
QSH	Must I send one telegram at a time, repeating it twice?	Transmit one telegram at a time, repeating it twice.			
QSL	Must I send the telegrams in alternate order without repetition?	Send the telegrams in alternate order without repetition.			
QSM	What is the charge to be collected per word for including your internal telegraph charge?	The charge to be collected per word for is francs, including my internal telegraph charge.			
QSN	Must I suspend traffic? At what time will you call me again?	Suspend traffic. I will call you again at (o'clock).			
QSO	Can you give me acknowledgment of receipt?	I give you acknowledgment of receipt.			
QSP	Have you received my acknowledgment of receipt?	I have not received your acknowledgment of receipt.			
QSQ	Can you receive me now? Must I continue to listen?	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 ACCW).
A3=continuous waves, modulated by speech or music (phone).
B=damped waves (spark).

Calibration Curve Sheets





• • **NEW** • •
Summer Edition Sent

FREE

RADIO

AND

**SHORT-
WAVE
TREATISE**

•
116 Pages

**100 New
Hook-ups**

**Over 1100
Illustrations**

•
**A VERITABLE
TEXTBOOK
ON RADIO**



NOT JUST ANOTHER CATALOG

The new and enlarged Summer edition of our Catalog No. 26 contains 116 pages of useful radio information, diagrams, illustrations, radio kinks and latest radio merchandise. It contains more valuable radio information—more real, live “meat”—than many textbooks on the subject. If you have had our Treatise No. 25 and, incidentally, all our previous issues you are familiar with the type of book we publish; but this new No. 26—WHAT A BOOK!

Considerable space has been devoted to the Radio Beginner. The first article titled “Fundamental Principles Of Radio For The Beginner” aside from being a fine grounding in radio for the new fan, offers an excellent review to the old timers. This alone is worth its weight in gold. This book is not just another catalog but is a veritable mint of radio information which will be of infinite and everlasting value to you.

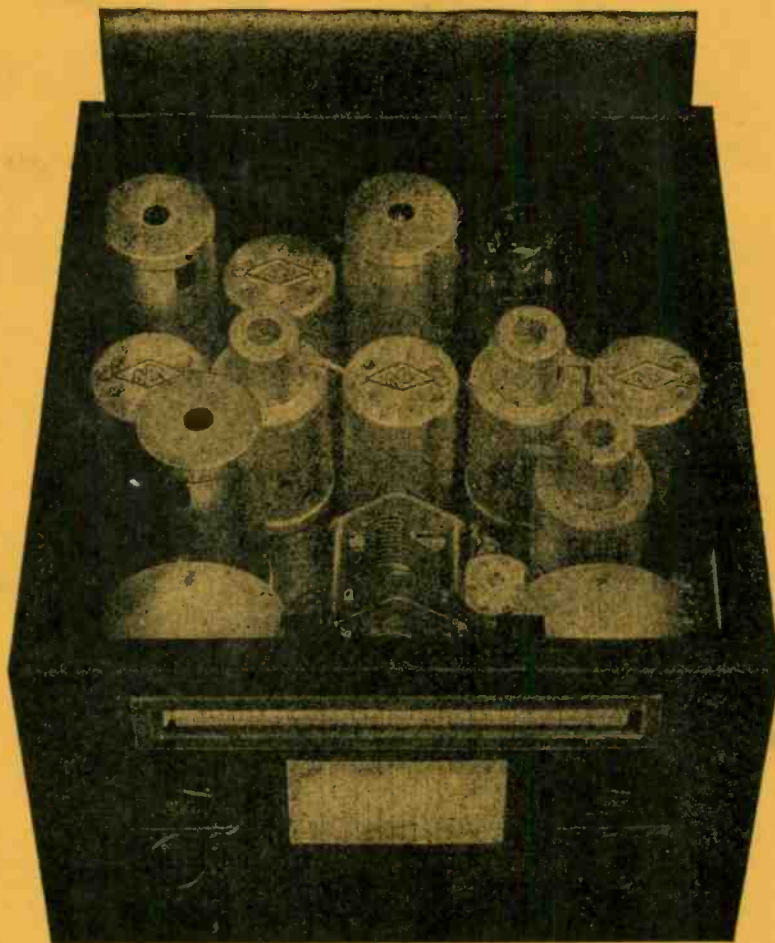
PARTIAL LIST OF CONTENTS

Fundamental Principles of Radio—Ohm's Law—Discussion of New Tubes—Constructing a “Triple-Twin” Amplifier—All about Superheterodynes—Eliminating Man-Made Static—Constructing a Two-Tube Short-Wave “Globe-Trotter” Receiver—\$3.00 Prize Suggestions—Radio Kinks, etc., etc.

**WRITE
TO-DAY**

DON'T DELAY. Enclose
4 cents for postage. Treatise
sent by return mail.

RADIO TRADING COMPANY, 100C Park Place, New York City



FB-7 Designed specifically for the amateur, but embodying professional design details, this exceptional receiver offers a number of unusual refinements. Strictly single-control tuning and front-of-panel coil changing for swift and convenient operation—full vision dial and panel-mounted calibration curves for fast logging—efficient—compact—and inexpensive.

From such a receiver, National-built, one expects remarkable performance—and gets it. A seven-tube superheterodyne circuit provides ample selectivity and high gain. Electron coupled oscillators, and Litz wound transformers assure stability. And quality in every detail provides reliability.

We invite you to inspect the FB-7, and to compare it with any H.F. receiver on the market.

NATIONAL COMPANY INC., MALDEN, MASS.

