

Summer 1933 Issue

25 Cents

OFFICIAL SHORTWAVE LOG AND CALL BOOK

SPONSORED
BY



PUBLISHED BY
THE PUBLISHERS OF

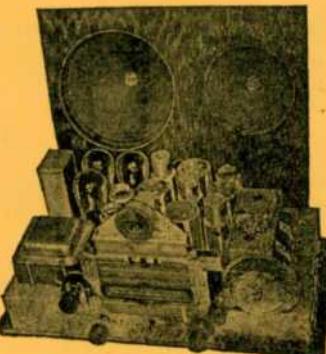




CLIFFORD E. DENTON

Win the Denton Trophy with an ACRATONE

10 TUBE
ALL WAVE SUPERHETERODYNE
15 TO 550 METERS



Model 33-A

\$42.50

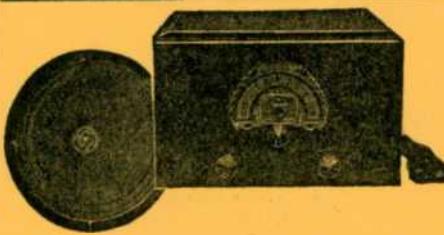
COMPLETE
WITH RAYTHEON 4 PILLAR TUBES



THE DENTON TROPHY

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 23-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 4 coils (5 to 200 meters), power supply and instructions.

\$25.95

8½" dynamic speaker for above with cord and plug, Cat. No. 728.

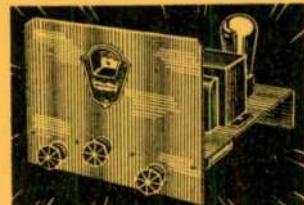
\$2.80

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

\$3.75

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

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.



THE ARGONAUT KIT

Model 15A

Uses 2 type 200 tubes. The first as a regenerative detector and the second as an audio tube. This receiver only requires two 1½ volt dry cells and a single 6½ volt "B" battery.
Kit less coils and tubes \$5.65
Set of two coils and tubes 1.25
Set of four coils, 15 to 200 meters 1.25
Set of batteries 2.16
2. Raytheon 4 pillar tubes, 200 1.37

THE AIR ROVER KIT

Model 10A

Similar to above but especially sensitive. Uses 1-233 and 1-232 tubes.
Kit less coils and tubes \$5.65
Set of four coils, 15 to 200 meters 1.25
Set of batteries 2.16
Set of Raytheon 4 pillar tubes (1-233, 1-232) 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 \$5.65
Set of four coils, 15 to 200 meters 1.25
A.C. Power supply Cat. No. 729 (uses 200 tube) 4.95
Set of Raytheon 4 pillar tubes (1-57, 1-58, 1-200) 2.52

NOTE: Add \$5.00 for any of the above receivers if desired wired and tested.

NEW YORK CITY
28 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.
82-26 Merrick Rd.

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

NEWARK, N. J.
273 Central Ave.

PITTSBURGH, PA.
343 Blvd. of the Allies

Official Short Wave LOG and CALL Book

(Registered U. S. Patent Office)

VOL. I

AUGUST, 1933

NO. 1

HUGO GERNNSBACK
Editor

■
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 GERNNSBACK 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 William St., Charing Cross, W.C.2
Paris Agent: HACHETTE & CIE, 111 Rue Reaumur
Australian Agents: MCGILL'S AGENCY, 179 Elizabeth St., Melbourne

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

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, New York, N. Y. Text and illustrations of this magazine are copyrighted and must not be reproduced without permission. OFFICIAL SHORT WAVE LOG & CALL BOOK is published every 3 months. Four numbers per year. Subscription price is \$1 a year in the United States and possessions, Canada and foreign countries, \$1.25 a year. Single copy, 25c. Address all contributions for publication to Editor, OFFICIAL SHORT WAVE LOG & CALL BOOK, 96-98 Park Place, New York, N. Y. Publishers are not responsible for lost manuscripts. Contributions cannot be returned unless authors send full postage. OFFICIAL SHORT WAVE LOG & CALL BOOK is for sale at all principal newsstands in the United States and Canada. European agents: Brentano's, London and Paris. Printed in U. S. A. Make all subscription checks payable to Popular Book Corporation.

COPYRIGHT, 1933
BY H. GERNNSBACK

Introduction

IP 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	Finland.	VPA-VSZ	British colonies and protectorates.
CLA-CMZ	Cuba.	OFA-OGZ	Czechoslovakia.	VTA-VWZ	British India.
CNA-CNZ	Morocco.	OHA-OHZ	Belgium and colonies.	W	United States of America.
CPA-CPZ	Bolivia	OKA-OKZ	Denmark.	XAA-XFZ	Mexico.
CQA-CQZ	{ Portuguese colonies.	ONA-OTZ	Netherlands.	XGA-XUZ	China.
CRA-CRZ		OUA-OZZ	Curaçao.	YAA-YAZ	Afghanistan.
CSA-CUZ	Portugal.	PAA-PIZ	Dutch East Indies.	YHA-YHZ	New Hebrides.
CVA-CVZ	Roumania.	PJA-PJZ	Brazil.	YIA-YIZ	Iraq.
CWA-CXZ	Uruguay.	PKA-POZ	Surinam (Dutch Guiana).	YLA-YLZ	Latvia.
CZA-CZZ	Monaco.	PPA-PYZ	(Abbreviations.)	YMA-YMZ	Free City of Danzig.
D	Germany.	PZA-PZZ	Union of Soviet Socialist Republics (U. S. S. R.)	YNA-YNZ	Nicaragua.
EAA-EHZ	Spain	Q	Persia.	YSA-YSZ	Republic of El Salvador.
EIA-EIZ	Irish Free State.	RVA-RVZ	Republic of Panama.	YVA-YVZ	Venezuela.
ELA-ELZ	Liberia.	RXA-RXZ	Sweden.	ZAA-ZAZ	Albania.
ESA-ESZ	Estonia.	RYA-RYZ	Poland.	ZBA-ZHZ	British colonies and protectorates.
ETA-ETZ	Ethiopia.	SAA-SMZ	Egypt.	ZKA-AMZ	New Zealand.
F	France and colonies and protectorates.	SPA-SRZ	Greece.	ZPA-ZPZ	Paraguay.
G	Great Britain.	STA-STZ	Turkey.	ZSA-ZUZ	Union of South Africa.
HAA-HAZ	Hungary.	SUA-SUZ	Iceland.	Provisionally.	
HBA-HBZ	Switzerland.	SVA-SZZ	Guatemala.	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.	
HCA-HCZ	Ecuador.	TAA-TCZ	Costa Rica.	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.	
HHA-HHZ	Haiti.	TFA-TFZ	Territory of the Saar.		
HIA-HHZ	Dominican Republic.	TGA-TGZ	Hedjaz.		
HJA-HKZ	Colombia.	TIA-TIZ	Dutch East Indies.		
HRA-HRZ	Honduras.	TSA-TSZ	Luxemburg.		
HSA-HSZ	Siam.	UHA-UHZ	Kingdom of Serbs, Croats and Slovenes (Yugoslavia).		
HVA-HVZ	Vatican City.	UIA-UKZ	Austria.		
I	Italy and colonies.	ULA-ULZ	Canada.		
J	Japan.	UNA-UNZ	Australia.		
K	United States of America.	UOA-UOZ			
LAA-LNZ	Norway.	UWA-UZZ			
LOA-LVZ	Argentina.	VAA-VGZ			
LZA-LZZ	Bulgaria.	VHA-VMZ			
M	Great Britain.				
N	United States of America.				

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. E. 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, 25.43, 18.18	KFHW	W. W. Horne, Poinsettia	37
KAL	Legaspi, P. I.	64.31, 50.34	KDNY	Favorite	54.3, 54, 45.52, 36.01, 27.15, 26.71, 18.09, 18.007, 13.57	KFJD	M. & R. Lumber Co., Wan-	129.3
KAM	Pasay, P. I.	53.39, 46.5, 26.69	KDNY	Admiral Line, Pres. Jefferson	54.3, 54, 45.52, 36.01, 27.15, 26.71, 18.09, 18.007, 13.57, 35.50, 25.43, 18.18	KFKW	Inland Waterways, Spray III	109.5
KAQ	Manila R. R., Manila, P. I.	50.59	KDNY	Dollar SS., Pres. Polk	54.3, 54, 45.52, 36.01, 27.15, 26.71, 18.09, 18.007, 13.57, 35.50, 25.43, 18.18	KFL	Light Co., Underwood, Wash.	94.9, 94.8, 94.6, 94.4, 94.2, 92.65, 92.5
KAS	Surigao, P. I.		KDNY	Pres. Jackson	56.15, 71.94, 48.30, 48.23	KFLF	Rippers	54.3, 54, 36.19
KAW	Govt., Apard, P. I.	62.96, 55.88, 45.45	KDNY	Cairo	56.15, 71.94, 48.30, 48.23	KFLT	Iowa	96.15, 71.94, 48.30, 48.23
KAX	R. C. A., Manila, P. I.	15.95, 15.01	KDNY	St. Louis	56.15, 71.94, 48.30, 48.23	KFM	Amer. Radio, Inc., Sacramento, Calif.	94.5, 94.75, 94.57, 94.39, 93.86
KAY	R. C. A., Manila, P. I.	20.03	KDNY	Dollar SS., Pres. Adams	56.15, 71.94, 48.30, 48.23	KFMC	Illinois	96.15, 71.94, 48.30, 48.23
KAZ	R. C. A., Manila, P. I.	30.09, 30.03	KDNY	E. T. Bedford	56.15, 71.94, 48.30, 48.23	KFMD	Gulfport	96.15, 71.94, 48.30, 48.23
KBI	R. C. A., Manila, P. I.	14.19	KDNY	Vicksburg	56.15, 71.94, 48.30, 48.23	KFME	Birmingham	96.15, 71.94, 48.30, 48.23
KBJ	R. C. A., Manila, P. I.	22.66	KDPA	Amer. Mail, Pres. McKinley	56.15, 71.94, 48.30, 48.23	KFMJ	Mobile	96.15, 71.94, 48.30, 48.23
KBK	R. C. A., Manila, P. I.	44.84, 44.91	KDPA	Dollar SS., Pres. Wilson	56.15, 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, 63, 48.27
KBO	Govt., Manila, P. I.	58.31, 19.987	KDPA	Dollar SS., Pres. Garfield	56.15, 71.94, 48.30, 48.23	KFPA	Boston Fire Dept., F. A. Ring	187.9
KBQ	Manila R. R., Naga, P. I.	50.59	KDPA	Betty B.	56.15, 71.94, 48.30, 48.23	KFPB	Matthew J. Boyle	192.55
KBT	Butuan, P. I.	62.83	KDPA	American Legion	56.15, 71.94, 48.30, 48.23	KFPC	Boston Fire Dept.	187.9
KCAA	D. of C., Tulsa, Okla.	89.8, 89, 51.50, 50.34	KDQX	Munson, Southern Cross	56.15, 71.94, 48.30, 48.23	KFPD	J. A. McDonald	187.9
KCAC	D. of C., Butte, Mont.	89, 88.8, 50.59, 50.51	KDQX	Pres. Grant	56.15, 71.94, 48.30, 48.23	KFPE	Boston Fire Dept.	187.9
KCAD	D. of C., Idaho Falls, Idaho	89, 89.11, 50.51, 50.36	KDQX	Dollar SS., Pres. Lincoln	56.15, 71.94, 48.30, 48.23	KFPI	Capt. J. W. Mc Kee	87.7, 46.95
KCAE	D. of C., Winslow, Ariz.	89, 88.3, 50.51, 50.34	KDQX	Ger. Exp. Co., 3rd Rdo. Zone	56.15, 71.94, 48.30, 48.23	KFQ	Globe Radio, Gham	40.29, 20.15, 13.238
KCAF	D. of C., Albuquerque, N. M.	89, 88.35, 50.51, 50.54	KDQX	No. 40	56.15, 71.94, 48.30, 48.23	KFR	Light Dept., Seattle, Wash.	94.9, 94.8, 94.6, 94.4, 94.2, 92.65, 92.5
KGAH	D. of C., Kingman, Ariz.	89, 88.8, 50.51, 50.31	KDRW	Amer. Mail, Pres. Madison	56.15, 71.94, 48.30, 48.23	KFS	M. R. T. Co., Palo Alto, Calif.	96.61, 96.15, 54.85, 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	KDQX	KDUT	56.15, 71.94, 48.30, 48.23	KFT	Pacific Com. Co., Everett, Wash.	96.61, 96.15, 54.85, 36.23, 34.72, 27.17, 27.26, 25.51, 22.66
KCAJ	D. of C., Little Rock, Ark.	89.6, 89, 50.51, 50.34	KDSB	C. S. Steel, Steel Navigator	56.15, 71.94, 48.30, 48.23	KFTP	Catalina	129.3
KCAK	D. of C., Shreveport, La.	89, 88.63, 50.58, 50.54	KDSC	Invader	56.15, 71.94, 48.30, 48.23	KFU	Alameda, Calif.	54.3, 54, 36.19
KCAP	D. of C., Big Spring, Tex.	89, 87.98, 50.51, 50.37	KDSC	Pres. Roosevelt	56.15, 71.94, 48.30, 48.23	KFUF	Kaimuosa	54.3, 54, 36.19
KCAO	D. of C., El Paso, Tex.	89, 88.35, 50.51, 50.34	KDSL	KDWS	56.15, 71.94, 48.30, 48.23	KFV	Los Angeles, Calif.	146.3
KCQ	D. of C., St. Louis, Mo.	89, 88.35, 50.51, 50.34	KDSL	KDWS	56.15, 71.94, 48.30, 48.23	KFWF	Idalia	87.3, 72.3, 47.81, 23.4
KCR	D. of C., Boise, Idaho	100.94, 89, 88.4, 50.51	KDSL	KDWS	56.15, 71.94, 48.30, 48.23	KFWJ	Gallavant	110
KCS	D. of C., Pasco, Wash.	89, 88.11, 50.51, 50.36	KDTC	KDWT	56.15, 71.94, 48.30, 48.23	KFXT	Shadow K.	54.3, 54, 35.5
KCT	D. of C., Los Angeles, Calif.	89.6, 89, 50.58, 50.51	KDTC	KDWT	56.15, 71.94, 48.30, 48.23	KFY	Humble Oil, Tex. & La.	176.06
KCU	D. of C., Fresno, Calif.	89.6, 89, 50.58, 50.51	KDUD	KDWT	56.15, 71.94, 48.30, 48.23	KFYX	No. 15	54.3, 36.19, 36.01, 27.15, 22.66, 18.09, 13.587
KCV	D. of C., Oakland, Calif.	89.4, 89, 50.59, 50.51	KDUD	KDWT	56.15, 71.94, 48.30, 48.23	KFZ	Seaborn	54.3, 36.19, 36.01, 27.15, 22.66, 18.09, 13.587
KCX	D. of C., Medford, Ore.	89.6, 89, 50.58, 50.51	KDUY	KDWT	56.15, 71.94, 48.30, 48.23	KFT	Pacific Com. Co., Everett, Wash.	96.61, 96.15, 54.85, 36.23, 34.72, 27.17, 27.26, 25.51, 22.66
KCY	D. of C., Portland, Ore.	89.6, 89, 50.58, 50.51	KDUY	KDWT	56.15, 71.94, 48.30, 48.23	KFTP	Catalina	129.3
KCZ	D. of C., Seattle, Wash.	89.6, 89, 50.58, 50.51	KDVR	KDWT	56.15, 71.94, 48.30, 48.23	KFU	Alameda, Calif.	54.3, 54, 36.19
KDA	D. of C., Maywood, Ill.	89, 88.8, 50.51, 50.42	KDVR	KDWT	56.15, 71.94, 48.30, 48.23	KFUF	Kaimuosa	54.3, 54, 36.19
KDAF	Coppenapie		KDVR	KDWT	56.15, 71.94, 48.30, 48.23	KFV	Los Angeles, Calif.	146.3
KDAH	United Fruit Co., Heredia	87.51, 54.3, 35.34, 26.71	KDVT	KDWT	56.15, 71.94, 48.30, 48.23	KFWF	Idalia	87.3, 72.3, 47.81, 23.4
KDAM	West of Noteis		KDVT	KDWT	56.15, 71.94, 48.30, 48.23	KFWJ	Gallavant	110
KDAQ	Sisitha		KDWH	KDWT	56.15, 71.94, 48.30, 48.23	KFXT	Shadow K.	54.3, 54, 35.5
KDAE	Pres. Monroe		KDWH	KDWT	56.15, 71.94, 48.30, 48.23	KFY	Humble Oil, Tex. & La.	176.06
KDC	Globe Wireless, Guam	96.61, 96.15, 54.35, 46.88, 36.23, 34.58, 27.17, 26.6, 24.15, 24.01, 18.116, 17.921, 13.652, 13.587	KDWH	KDWT	56.15, 71.94, 48.30, 48.23	KFYX	No. 15	54.3, 36.19, 36.01, 27.15, 22.66, 18.09, 13.587
KDCC	Tahamarica		KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFZ	Robador	36.19, 35.50, 27.15, 27.26, 25.51, 22.66
KDCA	Independence Hall		KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFT	Pacific Com. Co., Everett, Wash.	96.61, 96.15, 54.85, 36.23, 34.72, 27.17, 27.26, 25.51, 22.66
KDK	United Fruit, La Perla	54.3, 45.2k, 36.01, 27.15, 26.71, 22.66, 18.094, 17.794	KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFTP	Catalina	129.3
KDCM	Dollar SS., Pres. Cleveland	54.3, 54, 45.52, 36.01, 27.15, 26.71, 22.66, 18.09, 18.007, 13.57, 35.50, 26.43, 18.18	KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFU	Alameda, Calif.	54.3, 54, 36.19
KDCR	Guirigua		KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFUF	Kaimuosa	54.3, 54, 36.19
KDG	Press Wireless, Honolulu	T. H.	KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFV	Los Angeles, Calif.	146.3
KDGN	Donna Lane	40.87, 40.79, 40.71, 38.36, 38.29, 37.72, 19.21, 15.51	KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFWF	Idalia	87.3, 72.3, 47.81, 23.4
KDH	Ger. Exp. Co., 3rd Rdo. Zone No. 41	176.06	KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFWJ	Gallavant	110
KDHF	Dollar SS., Pres. Van Buren	35.50, 26.43, 18.18	KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFXT	Shadow K.	54.3, 54, 35.5
KDHL	Argosy	36.19, 36.01, 35.5, 27.15, 26.71, 22.66, 18.094, 18.007, 17.794	KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFY	Humble Oil, Tex. & La.	176.06
KDJY	Natchez	96.15, 71.09, 48.30, 48.23	KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFYX	No. 15	54.3, 36.19, 36.01, 27.15, 22.66, 18.09, 13.587
KDKL	Camden		KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFZ	Robador	36.19, 35.50, 27.15, 27.26, 25.51, 22.66
KDLB	Dollar SS., Pres. Hayes	35.50, 26.43, 18.18	KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFT	Pacific Com. Co., Everett, Wash.	96.61, 96.15, 54.85, 36.23, 34.72, 27.17, 27.26, 25.51, 22.66
KDLP	Aldon		KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFTP	Catalina	129.3
KDML	S. C. T. Dodd		KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFU	Alameda, Calif.	54.3, 54, 36.19
KDMQ	Dollar SS., Pres. Harrison	54.3, 54, 45.52, 36.01, 27.15, 26.71, 22.66, 18.094, 18.007, 13.57, 35.50, 26.43, 18.18	KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFUF	Kaimuosa	54.3, 54, 36.19
KDMR	U. S. Miller		KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFV	Los Angeles, Calif.	146.3
KDMW	Dollar SS., Pres. Hoover		KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFWF	Idalia	87.3, 72.3, 47.81, 23.4
KDMX	Dollar SS., Pres. Coolidge		KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFWJ	Gallavant	110
KDN	D. of C., Rock Springs, Wyo.	89, 88.8, 50.51, 50.48	KDX	KDWT	56.15, 71.94, 48.30, 48.23	KFXT	Shadow K.	54.3, 54, 35.5

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KGG	Globe Wireless, Musselrich, Calif.	40.29	KGQ	Dollar Co., San Francisco, Calif.	40.29, 31.88, 27.45, 20.15, 15.94, 13.21	KGUB	Aero Radio, Inc., Houston, Tex.	128.97, 127.98, 72.46, 47.92, 47.8
KGGL	Lolanthe	129.8, 69.56, 34.76	KGQE	Einar Beyer	123.55	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	KGQF	Inland W. W., James W. Good	121.3	KGUE	Aero Radio, Inc., Brownsville, Tex.	128.97, 47.8
KGJ	Globe Wireless, Calif.	31.88	KGQH	Chicken of the Sea	87.7, 40.05 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, 63.45, 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 54.3, 36.19, 35.5	KGUG	Aero Radio, Inc., Big Springs, Tex.	129.53, 127.33, 92.8, 92.52, 92.09, 87.02, 53.29, 45.8, 37.43
KGJG	State Dept., Modesto, Calif.	92.3, 70.67, 55.92, 34.05, 29.97	KGQN	Freeta, Navigator	36.19, 17.794	KGR	Globe Wireless, Edmonds, Wash.	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	KGQT	Wm. J. Gaynor, City of N. Y.	187.9	KGUH	Aero Radio, Inc., Waco, Tex.	129.53, 127.33, 92.8, 92.52, 92.09, 87.02, 53.29, 45.8, 37.43
KGJK	A. H. Bull, SS., Jeanette	129.3	KGQV	Tipperman	56.01	KGUM	Aero Radio, Inc., San Diego, Calif.	128.97, 127.98, 72.46, 47.92, 47.89
KGJJ	Pilot Assn., San Francisco, Calif.	122.6	KGQZ	Aero Radio, Inc., Elmwood, Wash.	94.9, 94.75, 94.6, 54.39, 53.85, 53	KGUI	Aero Radio, Inc., Fort Worth, Tex.	94.9, 94.75, 94.57, 94.39, 53.86, 53
KGJL	3rd Radio Zone, No. 47	176.06	KGRD	Invincible	117.2	KGRJ	Inland W. W., Tennessee	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGJM	3rd Radio Zone, No. 46	176.06	KGRK	Indiana	96.22, 54.3, 54, 36.01	KGRM	Louisiana	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGJN	Ger. Exp. Co., 3rd Radio Zone, No. 45	176.06	KGRM	St. Veronica	96.21, 54.3, 54, 36.01	KGRP	Santramaro	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGJO	Ger. Exp. Co., 3rd Radio Zone, No. 44	176.06	KGRN	Parthenon S. S.	54.3, 54, 36.19	KGRS	Pilot Ship, Adventuress, San Fran.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGJP	Ger. Exp. Co., 3rd Radio Zone, No. 43	176.06	KGSB	Defender	117.2	KGSC	Al Lines, Santa Maria, Cal.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGJQ	Ger. Exp. Co., 3rd Radio Zone, No. 42	175.06	KGSD	Invincible	54.3, 36.19, 35.50	KGSD	Dollar Co., Honolulu, T. H.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGJW	P. A. A., Brownsville, Tex.	72.74, 46.91, 112.7	KGSE	Dollar Co., Honolulu, T. H.	40.38, 40.39, 31.88, 27.45, 20.19, 20.15, 15.94, 13.29	KGSH	Aero Radio, Inc., Oakland, Calif.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGJX	Police, Pasadena, Calif.	175.23	KGSI	Aero Radio, Inc., Oklahoma City, Okla.	97.7, 86.7, 47.24, 37.43, 24.63	KGSK	Aero Radio, Inc., Pueblo, Colo.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGK	Globe Wireless, Musselrich, Calif.	27.45	KGSL	Aero Radio, Inc., Oklahoma City, Okla.	97.7, 86.7, 47.24, 37.43, 24.63	KGSM	Aero Radio, Inc., Tucson, Ariz.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGKD	At Lines, Santa Maria, Cal.	185.94, 127.98, 62.69	KGSP	Aero Radio, Inc., Lordsburg, N. Mex.	97.7, 86.7, 47.24, 37.43, 24.63	KGSP	Aero Radio, Inc., Phoenix, Ariz.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGKN	Forestry Div., Calif.	62.76, 34.97	KGSR	Amer. Radio Inc., Pueblo, Colo.	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.24, 37.43	KGSR	Amer. Radio Inc., Indio, Calif.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGKP	Forestry Div., Wash.	62.76, 34.97	KGST	Gulf Prod. Co., Portable	187.5, 181.6, 180.29, 178.6, 178.08	KGST	Gulf Prod. Co., Portable	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGKR	3rd Zone, No. 48	176.06	KGTT	Aero Radio, Inc., Fresno, Calif.	94.85, 94.55, 53.835, 53.74, 52.98	KGTT	Aero Radio, Inc., Winslow, Ariz.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGKS	3rd Radio Zone, No. 49	176.06	KGTD	Aero Radio, Inc., Texarkana, Ark.	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.24, 37.43	KGTD	Aero Radio, Inc., Watertown, S. Dak.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGKT	3rd Radio Zone, No. 50	176.06	KGTE	Aero Radio, Inc., Wichita, Kans.	97.71, 97.52, 54.15	KGTE	Aero Radio, Inc., Wichita, Kans.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGKU	3rd Radio Zone, No. 51	176.06	KGTF	Aero Radio, Inc., Gulf Prod. Co., Portable	94.9, 94.75, 94.54, 94.39, 92.26, 53.85, 53	KGTF	Aero Radio, Inc., Lordsburg, N. Mex.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGKZ	Humbolt Oil, No. 16	187.27, 176.47	KGTM	Aero Radio, Inc., Texarkana, Ark.	123.53, 37.43	KGTM	Aero Radio, Inc., Sioux Falls, S. Dak.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGL	Globe Wireless, Musselrich, Calif.	20.19	KGTC	Aero Radio, Inc., Little Rock, Ark.	94.86, 94.56, 54.26, 53.83, 53.74, 52.98	KGTC	Aero Radio, Inc., Ponca City, Okla.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGM	Ketchikan, Alaska	129.3, 94.9	KGTD	Aero Radio, Inc., Wichita, Kans.	97.71, 97.52, 54.15	KGTD	Aero Radio, Inc., Nyea, Alaska	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGME	Texas, Ia., & Okla., Portable	175	KGTE	Aero Radio, Inc., Wichita, Kans.	94.9, 94.75, 94.54, 94.39, 92.26, 53.85, 53	KGTE	Aero Radio, Inc., Cont. Oil Co., No. 7	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMF	Texas, Ia., & Okla., Portable	175	KGTF	Aero Radio, Inc., Winslow, Ariz.	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.24, 37.43	KGTF	Aero Radio, Inc., Cont. Oil Co., No. 6	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMG	Texas, Ia., & Okla., Portable	175	KGTM	Aero Radio, Inc., Kingman, Ariz.	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.24, 37.43	KGTM	Aero Radio, Inc., Cont. Oil Co., No. 5	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMH	Texas, Ia., & Okla., Portable	175	KGTC	Aero Radio, Inc., Sioux Falls, S. Dak.	94.86, 94.56, 54.26, 53.83, 53.74, 52.98	KGTC	Aero Radio, Inc., Cont. Oil Co., No. 4	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMI	Texas, Ia., & Okla., Portable	175	KGTD	Aero Radio, Inc., Wichita, Kans.	97.71, 97.52, 54.15	KGTD	Aero Radio, Inc., Cont. Oil Co., No. 3	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMJ	Texas, Ia., & Okla., No. 7	175	KGTE	Aero Radio, Inc., Wichita, Kans.	94.9, 94.75, 94.54, 94.39, 92.26, 53.85, 53	KGTE	Aero Radio, Inc., Cont. Oil Co., No. 2	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMM	Portable	175	KGTF	Aero Radio, Inc., Lordsburg, N. Mex.	123.53, 37.43	KGTF	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMK	Texas, Ia., & Okla., No. 8	175	KGTM	Aero Radio, Inc., Texarkana, Ark.	123.53, 37.43	KGTM	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGML	Texas, Ia., & Okla., No. 9	175	KGTC	Aero Radio, Inc., Watertown, S. Dak.	94.86, 94.56, 54.26, 53.83, 53.74, 52.98	KGTC	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMN	Texas, Ia., & Okla., No. 10	175	KGTD	Aero Radio, Inc., Wichita, Kans.	97.71, 97.52, 54.15	KGTD	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMO	Portable	175	KGTE	Aero Radio, Inc., Wichita, Kans.	94.9, 94.75, 94.54, 94.39, 92.26, 53.85, 53	KGTE	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMP	Atlantic	54.3, 54, 39.19, 27.15	KGTF	Aero Radio, Inc., Gulf Prod. Co., Portable	123.53, 37.43	KGTF	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMQ	Patria	54.3, 54, 39.19, 27.15	KGTM	Aero Radio, Inc., Texarkana, Ark.	123.53, 37.43	KGTM	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMU	F. F. F.	27	KGTC	Aero Radio, Inc., Watertown, S. Dak.	94.86, 94.56, 54.26, 53.83, 53.74, 52.98	KGTC	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGMW	Wilm. Trans., Jimmie K.	118.85, 117.18, 115.65	KGTD	Aero Radio, Inc., Wichita, Kans.	97.71, 97.52, 54.15	KGTD	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGNA	Western Radio Co., Crane, Tex.	59.11, 58.99, 51.90, 51.76, 51.63	KGTE	Aero Radio, Inc., Wichita, Kans.	94.9, 94.75, 94.54, 94.39, 92.26, 53.85, 53	KGTE	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGNB	Western Radio Co., Wink, Tex.	59.11, 58.99, 51.9	KGTF	Aero Radio, Inc., Gulf Prod. Co., Portable	123.53, 37.43	KGTF	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGNC	Western Radio Co., Jal, N. Mex.	59.11, 58.99, 51.9	KGTM	Aero Radio, Inc., Sioux City, Ia.	94.86, 94.56, 54.26, 53.83, 53.74, 52.98	KGTM	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGNM	Doris E.	129.31, 123.65	KGTD	Aero Radio, Inc., Sioux City, Ia.	94.86, 94.56, 54.26, 53.83, 53.74, 52.98	KGTD	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGND	Gulf Prod., Western States	176.06	KGTE	Aero Radio, Inc., Sioux City, Ia.	94.86, 94.56, 54.26, 53.83, 53.74, 52.98	KGTE	Aero Radio, Inc., Cont. Oil Co., No. 1	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGNX	Brant	129.3, 54.3, 53.42	KGTF	Aero Radio, Inc., Salt Lake City, Utah	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.02, 37.43	KGTF	Aero Radio, Inc., Salt Lake City, Utah	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGOA	Alaska Fisheries, Yes Bay	129.31	KGTM	Aero Radio, Inc., Las Vegas, Nev.	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.02, 37.43	KGTM	Aero Radio, Inc., Las Vegas, Nev.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGOB	Canadoota	118.85, 117.18, 116.09	KGTC	Aero Radio, Inc., Las Vegas, Nev.	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.02, 37.43	KGTC	Aero Radio, Inc., Las Vegas, Nev.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGOC	Listo	118.85, 117.18, 116.09	KGTD	Aero Radio, Inc., Las Vegas, Nev.	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.02, 37.43	KGTD	Aero Radio, Inc., Las Vegas, Nev.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGOD	Listo	118.85, 117.18, 116.09	KGTE	Aero Radio, Inc., Kingman, Ariz.	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.02, 37.43	KGTE	Aero Radio, Inc., Kingman, Ariz.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGOF	F. P. C. No. 2	54.3, 54	KGTF	Aero Radio, Inc., Kingman, Ariz.	110.21, 109.72, 97.71, 97.5, 73.02, 54.15, 47.02, 37.43	KGTF	Aero Radio, Inc., Kingman, Ariz.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGOM	Zaca	36.19, 35.50, 27.15, 26.71, 22.66, 18.094	KGTM	Aero Radio, Inc., Sioux City, Ia.	94.86, 94.56, 54.26, 53.83, 53.74, 52.98	KGTM	Aero Radio, Inc., Sioux City, Ia.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGOR	David B.	94.22	KGTC	Aero Radio, Inc., Sioux City, Ia.	94.86, 94.56, 54.26, 53.83, 53.74, 52.98	KGTC	Aero Radio, Inc., Sioux City, Ia.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGOS	Honolulu, Hawaii	115.55, 105.12	KGTD	Aero Radio, Inc., Sioux City, Ia.	94.86, 94.56, 54.26, 53.83, 53.74, 52.98	KGTD	Aero Radio, Inc., Sioux City, Ia.	128.97, 127.98, 86.10, 72.46, 53.29, 47.92, 47.80
KGOT	Mauna, Hawaii	115.55, 105.12	KGTE	Aero Radio, Inc., Sioux City, Ia.	94.86, 94.56, 54.26, 53.83, 53.74, 52.98			

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KCXC	Mutual Tel., Okau Is., Hawaii.	8.02	KHBXC	B. A. T., NC 725W.	96.59, 94.57, 53	KHJOL	B. A. T., C 224M.	96.58, 95.48, 53
KGXD	Mutual Tel., Okau Is., Hawaii.	5.952	KHBYB	B. A. T., NC 228M.	96.59, 94.57, 53	KHJQJ	B. A. T., C 417E.	96.58, 95.48, 53
KGXE	Mutual Tel., Ohau Is., Hawaii.	8.62	KHBZA	B. A. T., NC 10225M.	97.71, 96.58, 86.70,	KHJRI	B. A. T., NC 793K.	96.59, 94.57, 53
KGXF	Mutual Tel., Ohau Is., Hawaii.	7.177	KHCAZ	W. A. E., F 104.	47.24, 46.37	KHJSR	B. A. T., NC 226M.	96.59, 94.57, 53
KGXG	Mutual Tel., Ohau Is., Hawaii.	5.682	KHCBY	W. A. E., F 105.	97.71, 96.58, 86.70,	KHJTG	B. A. T., NC 227M.	96.59, 94.57, 53
KGXH	Mutual Tel., Ohau Is., Hawaii.	6.198	KHCFU	W. A. E., F 109.	47.24, 46.37	KHJVE	B. A. T., NC 220M.	96.58, 94.57, 53
KGXI	Mutual Tel., Maui Is., Hawaii.	6.803	KHCFT	W. A. E., F 110.	97.71, 96.58, 86.70,	KHJWD	B. A. T., NC 229M.	
KGXJ	Mutual Tel., Maui Is., Hawaii.	7.371	KHCFT	W. A. E., F 111.	47.24, 46.37	KHJXC	B. A. T., NC 232M.	
KGXK	Mutual Tel., Waikiki, Hawaii.	6.061	KHCFS	W. A. E., F 111.	97.71, 96.58, 86.70,	KHJYB	B. A. T., C 7471.	96.59
KGXL	Mutual Tel., Waikiki, Hawaii.	7.79	KHCFS	W. A. E., F 114.	47.24, 46.37	KHJZA	B. A. T., NC 234M.	54.3, 46.04, 18,008,
KGXM	Mutual Tel., Waikiki, Hawaii.	8.26	KHCFS	W. A. E., F 115.	97.71, 96.58, 86.70,	KHK	Mutual Tel., Vieques Hawaii.	17.751
KGXN	Mutual Tel., Molokai, Hawaii.	5.814	KHCKP	W. A. E., F 115.	47.24, 46.37	KHKIR	N. Y. R. B. A., X 657M.	96.59
KGXO	Mutual Tel., Kalina, Hawaii.	6.34	KHCKP	W. A. E., No. 401, W. A. E.	97.71, 96.58, 86.70,	KHKPK	N. Y. R. B. A., Trinidad.	52.45, 71.2
KGXP	Mutual Tel., Lanai Is., Hawaii.	5.525	KHCKP	W. A. E., No. 402, W. A. E.	47.24	KHL	Mutual Tel., Waelich T. H.	91.62, 94.86, 94.50,
KGXQ	Aero Radio, Inc., Mill Field, Calif.	32.5, 31.58, 29.72	KHCKS	W. A. E., No. 51, W. A. E.	97.71, 96.58, 86.70,	KHLDW	P. A. T., C 179E.	92.58, 95.48, 53
KGXS	Gulf Prod. Co., Portable, U. S. A.	187.5, 181.6, 180.29, 178.6, 178.08	KHCKT	W. A. E., No. 52, W. A. E.	47.24	KHLDW	P. A. T., NC 741K.	91.62, 94.86, 94.50,
KGXT	Gulf Prod. Co., Portable, U. S. A.	187.27, 175.47	KHCKU	W. A. E., No. 53, W. A. E.	97.71, 96.58, 86.70,	KHLLD	P. A. T., No. 1426.	94.9, 94.75, 94.57,
KGXU	Port Armstrong, Alaska.	94.39	KHCKW	W. A. E., No. 54.	47.24	KHLLD	P. A. T., No. 1427.	94.39
KGXV	Kenni Kodak, Alaska.	101.82	KHCKW	W. A. E., No. 55.		KHLLD	P. A. T., NC 431H.	96.59, 94.9, 94.73,
KGXY	Gulf Prod. Co., Portable, U. S. A.	187.5, 181.6, 180.29, 178.6, 178.08	KHCKW	T. A. T., City of New York.	128	KHLLD	P. A. T., NC 431H.	94.57, 94.39
KGYA	D. of Int., Mt. Rainier, Wash.		KHCKW	T. A. T., Kansas City.	123	KHLLD	P. A. T., NC 10348.	96.59, A3
KGYB	D. of Int., Mt. Rainier, Wash.		KHCKW	T. A. T., City of Albuquerque.	128	KHLLD	P. A. T., NC 215M.	
KGYC	D. of Int., Mt. Rainier, Wash.		KHCKW	T. A. T., City of Washington.	123	KHLLD	P. A. T., NC 584K.	
KGYD	D. of Int., Mt. Rainier, Wash.		KHCKW	T. A. T., City of Wichita.	123	KHLLD	P. A. T., NC 435H.	
KGYE	D. of Int., White River, Wash.		KHCKW	T. A. T., City of Los Angeles.	123	KHLLD	P. A. T., NC 437II.	
KGYF	D. of Int., Carlton River, Wash.		KHCKW	T. A. T., City of Indianapolis.	123	KHLLD	P. A. T., NC 439 II.	
KGYG	D. of Int., Mt. Rainier, Wash.		KHCKW	T. A. T., City of Columbus.	128	KHLLD	P. A. T., NC 9553.	
KGYH	D. of Int., Mt. Rainier, Wash.		KHCKW	T. A. T., NC 9666.		KHLLD	P. A. T., NC 9655.	
KGYI	D. of Int., Mt. Rainier, Wash.		KHCKW	T. A. T., City of St. Louis.	128	KHLYB	P. A. T., NC 1649.	96.62, 94.86, 94.56,
KGYJ	D. of Int., Mt. Rainier, Wash.		KHCKW	T. A. T., City of Philadelphia.	128	KHLYB	94.23, 63.83, 53.74,	52.98
KGYT	Tyee, Alaska.	118.2	KHCKW	T. & W. A., NC 127W.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KGZ	Globe Wireless, Muascherich, Calif.	13.216	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KGZA	Police, Fresno, Calif.	124.17	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KGZB	Police, Houston, Tex.	175.23	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KGZC	Police, Topeka, Kans.	123.86	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KGZD	Police, San Diego, Calif.	123.5	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KGZE	Police, San Antonio, Tex.	119.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KGZF	Police, Chanute, Kans.	122.4	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KGZG	Des Moines, Ia.	121.5	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHA	Uyak, Alaska.	123.55	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHAAZ	P. A. A., NC 09775.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHABY	P. A. A., NC 09766.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHADW	P. A. A., NC 09644.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHAEV	P. A. A., NC 0454E.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHAFU	P. A. A., NC 208.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHAHS	P. A. A., NC 9085.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHAIR	W. A. E., F 103.	97.71, 96.58, 86.70, 47.24, 46.37	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHAKP	P. A. A., NC 8000.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHALO	P. A. A., NR 41. W.		KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHAMN	P. A. A., American Clipper.	97.71, 97.5, 62.72, 34.68	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHANM	P. A. A., Caribbean Clipper.	97.71, 97.5, 62.72, 34.68	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHAOL	P. A. A., NC 9701.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHAQK	P. A. A., NC 8044.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHARI	P. A. A., NC 9637.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHASH	P. A. A., NC 9107.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KATH	P. A. A., NC 9151.	120.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHAUF	P. A. A., NC 231E.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHAWE	P. A. A., NC 8020.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHAWD	P. A. A., NC 3951.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHAXC	P. A. A., NC 396E.	130.32, 97.5, 72.74	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHYAB	Hoyt, NC 7770.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBBAZ	B. A. T., C 269.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBBDY	B. A. T., C 270.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBBCX	B. A. T., C 274.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBVE	B. A. T., NC 1003.	96.62, 94.86, 94.55, 94.23, 53.83, 53.74, 62.98	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBFU	B. A. T., NC 231.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBGTT	B. A. T., C 276.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBBS	B. A. T., C 277.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBIR	B. A. T., NC 10353.		KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBHQ	B. A. T., C 279.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBKP	B. A. T., C 281.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBLO	B. A. T., NC 10354.	See KHDDW.	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBMM	B. A. T., C 283.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBNN	B. A. T., C 284.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBOL	B. A. T., C 285.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBQJ	B. A. T., C 287.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBRI	B. A. T., C 288.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBVE	B. A. T., C 292.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBWD	B. A. T., NC 231.		KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBGTT	B. A. T., C 276.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBBS	B. A. T., C 277.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBIR	B. A. T., NC 10353.		KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBHQ	B. A. T., C 279.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBKP	B. A. T., C 281.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBLO	B. A. T., NC 10354.	See KHDDW.	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBMM	B. A. T., C 283.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBNN	B. A. T., C 284.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBOL	B. A. T., C 285.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBQJ	B. A. T., C 287.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBRI	B. A. T., C 288.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	94.23, 63.83, 53.74,	52.98
KHBVE	B. A. T., C 292.	119.7, 71.62, 53.71	KHCKW	T. & W. A., NC 9686.		KHLYB	P. A. T., NC 1649.	52.45, 71.2
KHBWD	B. A. T., NC 231.		K					

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KHRSH	Amer. Air, NC 11167	96.63, 53.26	KHVWD	N. W. Air., NC 8419 No. 83.	105.11, 99.83, 96.61, 55.79	KHYNM	P. A. A., NC 9798	177.72, 97.71, 53.72, 34.68
KHRIR	Amer. Air, NC 9690	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHVXC	N. W. Air., NC 8794 No. 45.	105.11, 99.83, 96.61, 55.79	KHZ	Geo. Research Corp., 5th Rdo. Zone	176.06
KHRJQ	Amer. Air, NC 9692	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHVYB	N. W. Air., NC 9670 No. 34.	105.11, 99.83, 96.61, 55.79	KIAL	Libbyville, Alaska	9422
KHRLO	D. of C., NS 1	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHVZA	N. W. Air., NC 9933 No. 46.	105.11, 99.83, 96.61, 55.79	KIAO	Rose Inlet, Alaska	A1-2-3 94
KHRMN	Amer. Air., NC 9687	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHW	Geo. Research Corp., 5th Rdo. Zone	176.06	KIAQ	Rose Inlet, Alaska	97.01
KHRNM	Amer. Air, NC 9667	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHWAZ	E. A. T., NC 626V	97.71, 97.5, 52.72	KIAW	Port Althrop, Alaska	119.42
KHROL	Amer. Air, NC 707Y		KHWBY	E. A. T., NC 727K	97.71, 97.5, 52.72	KIB	Port Althrop, Alaska	97.01
KHRPK	Amer. Air, NC 708Y		KHWCX	E. A. T., NC 728K	97.71, 97.5, 52.72	KIBC	Port Althrop, Alaska	176.06
KHRQI	Amer. Air, NC 709Y		KHWDW	E. A. T., NC 585N	97.71, 97.5, 52.72	KIBV	Union Bay, Alaska	91.88
KHRRJ	Amer. Air, NC 710Y		KHWEV	E. A. T., NC 586N	97.71, 97.5, 52.72	KIBW	Fishing Co., Union Bay, Alaska	129.3
KHRSH	Amer. Air, NC 711Y		KHWFU	E. A. T., NC 588N	97.71, 97.5, 52.72	KIBX	Packing Co., Waterfall, Alaska	91.88
KHRTG	Amer. Air, NC 712Y		KHWGT	E. A. T., NC 600V	97.71, 97.5, 52.72	KIBY	Fishing Co., Waterfall, Alaska	129.3
KHRUF	Amer. Air, NC 713Y		KHWJQ	E. A. T., NC 601U	97.71, 97.5, 52.72, A1-3	KIBZ	Waterfall, Alaska	91.88
KHRVF	Amer. Air, NC 714Y		KHWKP	E. A. T., NC 602U	97.71, 97.5, 52.72	KIC	Geo. Exp. Co., 3rd Rdo. Zone	176.06
KHRWD	D. of C., NS 1Y	96.59, 94.9, 50.47, 38.87	KHWLQ	E. A. T., NC 620V	97.71, 97.5, 52.72	KICB	Nakat Packing, Hedden Inlet, Alaska	129.3
KHRXC	D. of C., NS 2Y	96.59, 94.9, 50.47, 38.87	KHWNM	E. A. T., NC 621U	97.71, 97.5, 52.72	KICC	Packing Co., Nakem, Alaska	91.88
KHRYB	Amer. Air, NC 968Y		KHWNL	E. A. T., NC 622U	97.71, 97.5, 52.72	KICD	Fishing Co., Nakem, Alaska	129.3
KHYZA	Amer. Air, NC 997Y		KHWNP	E. A. T., NC 628U	97.71, 97.5, 52.72	KICE	Fishing Co., Nakem, Alaska	91.88
KHS	Geo. Research Corp., 5th Rdo. Zone	176.06	KHWQJ	E. A. T., NC 629U	97.71, 97.5, 52.72	KIEG	Fishing Co., Union Bay, Alaska	89.15
KHSCX	N. A. T., NA 7 No. 90	96.59, 94.9	KHX	Los Angeles, Calif.	119.9	KICJ	Fishing Co., Mauna, Hawaii	105.12
KHSDW	N. A. T., NA 7 No. 91	96.59, 94.9	KHXAZ	Amer. Air, NC 9671		KICL	Elwen Milc, Canyon, Colo.	94
KHSEV	N. A. T., NA 7 No. 72	96.59, 94.9	KHXBY	Amer. Air, NC 8485		KICO	Chatham, Alaska	94
KHFSU	N. A. T., NA 7 No. 84	96.59, 94.9	KHXCX	Amer. Air, NC 415H		KICT	Chatham, Alaska	94
KHSGT	N. A. T., NA 7 No. 92	96.59, 94.9	KHXDW	Amer. Air, NC 412H		KICU	Steamboat Bay, Alaska	118.2
KHSIR	N. A. T., NC 422H	96.59, 94.9	KHXEV	Amer. Air., NC 732N	96.59, 92.64, 82.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 63.25	KICV	Steamboat Bay, Alaska	4
KHSIQ	N. A. T., NA 7 No. 76	96.59, 94.9	KHXFU	Amer. Air., NC 733H	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KICW	Steamboat Bay, Alaska	94
KHSKP	N. A. T., NA 7 No. 77	96.59, 94.9	KHXHS	Amer. Air., NC 735H	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KICZ	Denver, Colo.	94
KHSLD	N. A. T., NA 7 No. 74	96.59, 94.9	KHXIR	Amer. Air., NC 736N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDH	Alaska Packing, Chomly, Hawaii	93.89, 83.02, 52.45, 52.17
KHSMN	N. A. T., NC 426H	96.59, 94.9	KHXJQ	Amer. Air., NC 737N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDJ	Fire Dept., Seattle, Wash.	192.53
KHSLN	N. A. T., NA 7 No. 88	96.59, 94.9	KHXGT	Amer. Air., NC 734H	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDB	Kassan, Alaska	97.01
KHSPK	N. A. T., NA 7 No. 89	96.59, 94.9	KHXKP	Amer. Air., NC 738N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDD	D. of Interior, California	91.88
KHSQJ	N. A. T., NA 7 No. 86	96.59, 94.9	KHXLO	Amer. Air., NC 739N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDE	Nakat Packing, Hadden, Ia.	91.88
KHSRJ	N. A. T., NA 7 No. 87	96.59, 94.9	KHXNM	Amer. Air., NC 741N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDG	Alaska Packing, Chomly	119.41
KHSSH	N. A. T., NC 11Y NA 7	103.24, 96.55, 97.64, 94.9, 96.62, 94.75, 97.32, 94.57, 97.15, 94.39, 52.89, 63.88, 62.71, 53	KHXHS	Amer. Air., NC 735H	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDH	Alaska Packing, Chomly, Alaska	97.01
KHSTG	N. A. T., NC 436H	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHXIR	Amer. Air., NC 736N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDJ	Alaska Packing, Chomly, Alaska	97.01
KHSUF	N. A. T., NC 9157 No. 113	See KHPDW	KHXJQ	Amer. Air., NC 737N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDK	Capo Chacon, Alaska	119.42
KHSVE	N. A. T., NC 10355		KHXKP	Amer. Air., NC 738N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDL	Capo Chacon, Alaska	97.01
KHSEW	N. A. T., NC 10351	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHXLO	Amer. Air., NC 739N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDM	Warner Bros., various states	196.59
KHSXC	N. A. T., NC 10352	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHXNM	Amer. Air., NC 740N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDP	Warner Bros., various states	196.59
KHSYB	N. A. T., NC 434H	96.59, 94.9, 94.75, 94.57, 94.35, 94.26, 63.86, 63	KHXQJ	Amer. Air., NC 741N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDT	Barralon, Ford Motor Co.	122.65
KHTAZ	Alaskan Air., NC 153II	94.23, 63.37	KHXQK	Amer. Air., NC 742N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDV	Bristol Bay, Alaska	94
KHTBY	Alaskan Air., NC 154H	94.23, 63.37	KHXRN	Amer. Air., NC 743N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIDY	Packing Co., Big Port, Alaska	94
KHTCX	Alaskan Air., NC 174H	94.22, 63.37	KHXSN	Amer. Air., NC 744N	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIEA	Packing Co., Big Port, Alaska	119.42
KHTHS	Amer. Air., NC 16804	96.52, 93.09, 92.8, 92.52, 92.09, 87.02, 86.52, 61.08, 61, 63.55	KHXTP	Amer. Air., NC 10843	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIEC	Port Alexander, Alaska	118.2
KHTIR	Amer. Air., NC 10810	See KHTHS	KHXUQ	Amer. Air., NC 10844	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIF	Davar, P. I.	47.0
KHTJQ	Amer. Air., NC 10818	See KHTHS	KHXVQ	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIFG	Great Towing Favorite	54.3, 53.42, 36.01
KHTKP	Amer. Air., NC 10840	See KHTHS	KHXWQ	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIFN	Humrick, Ford Motor Co.	122.65
KHTLO	Amer. Air., NC 10846	See KHTHS	KHXZQ	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIQ	Saint Elisa	50
KHTMN	Amer. Air., NC 10891	See KHTHS	KHXZU	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIJ	Export S. Co., Exchange	54.3, 53.42, 36.01
KHTNM	Amer. Air., NC 10894	See KHTHS	KHXZV	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIJT	Geo. Exp. Co., 3rd Rdo. Zone	176.06
KHTOL	Amer. Air., NC 11153	See KHTHS	KHXZW	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIK	Buttercup, Ford Motor Co.	122.65
KHTPK	Amer. Air., NC 11155	See KHTHS	KHXZX	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIKO	Igontz	25.68
KHTQJ	Amer. Air., NC 10814	See KHTHS	KHXZY	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIS	D. of C., Iowa City, Iowa	89.8, 89.7, 89, 50.66, 50.51
KHTQJ	Amer. Air., NC 10814	See KHTHS	KHXZB	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIT	Guadalupe, Calif.	107.01
KHTRI	Amer. Air., NC 10345	96.52, 63.20	KHXZC	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIU	Zamboanga, P. I.	50
KHTSH	Amer. Air., NC 10353	96.52, 63.20	KHXZD	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KIXB	West Chiswald	50
KHTTG	Amer. Air., NC 10572	96.52, 63.20	KHXZE	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KJA	Humble Oil, Tex. and La., No. 17	176.06
KHTUF	Amer. Air., NC 10892	96.52, 63.20	KHXZF	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KJCF	Alaska Packing, Rose Inlet, Alaska	129.3, 94.75
KHTVE	Amer. Air., NC 12108	96.52, 63.20	KHXZG	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KJD	Humble Oil, Tex. and La., No. 18	176.06
KHUAZ	B. A. Co., NC 10339	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHXZH	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KJE	Grace S. S., Santa Ana	54.3, 54, 36.19, 35.5, 27.15, 26.71, 22.66, 18.09, 18.007
KHUBY	B. A. Co., NC 875E	96.59, 94.9, 94.75, 94.57, 94.39, 53.88, 53	KHXZI	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KJG	D. of C., Bellevue, Neb., No. 12	176.06
KHUCD	Penna. Air., NC 10822		KHXZJ	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KJI	Bristol Bay, Alaska	129.3
KHUDW	Penna. Air., NC 10823		KHXZK	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KJN	Geo. Exp. Co., Ia., Miss., & Tex., No. 2	176.06
KHUEV	Penna. Air., NC 10871		KHXZL	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KJO	Geo. Exp. Co., Ia., Miss., & Tex., No. 1	176.06
KHVEV	Ford Motor, NC 3141	86.59	KHXZM	Amer. Air., NC 10847	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KJF	Tex., No. 1	47.27
KHVEU	N. W. Air., NC 538E No. 24	105.11, 99.83, 96.61, 55.79	KHXZQ	P. A. A., NC 400H	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KJG	Cont. Oil Co., Ia., Miss., & Tex., No. 1	54.3, 54, 36.19, 35.5, 27.15, 26.71, 22.66, 18.09, 18.007
KHVGJ	N. W. Air., NC 303N	96.59, 99.06, 65.81	KHXZV	Amer. Air., NC 402H	96.59, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 61.03, 53.57, 53.29	KJL	Cont. Oil Co., Ia., Miss., & Tex., No. 1	176.06
KHVR	Cont. Oil Co., NC 430H		KHXZW	Amer. Air., NC 402H	96.59			

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

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.			Edmonds, Wash.	96.61, 95.15, 54.35,
KKD	Geo. Exp. Co., 3rd Rdo. Zone No. 35.	176.06	KNT	3rd Radio Zone, No. 18	176.06			48.31, 46.8, 31.23,
KKF	Geo. Exp. Co., 3rd Rdo. Zone No. 34.	176.06	KNU	Geo. Exp. Co.				34.52, 27.17, 26.56,
KKH	R. C. A., Honolulu, Hawaii	40.45	KNV	3rd Radio Zone, No. 17	176.06			24.15, 24.01, 18.116,
KKJ	Fort Worth, Texas	89, 89.6, 50.51, 60.34	KNW	D. of C., Burley, Idaho	89.6, 89, 50.51, 50.35	KSB	Geo. Exp. Co., 3rd Radio Zone, No. 29	17.921, 13.562, 13.578
KKL	R. C. A., Bolinas, Calif.	19.386	KNWA	M. R. T. Co., Palo Alto, Calif.	44.02, 14.03	KSE	R. C. A., Torrance, Calif.	96.61, 96.15, 54.35,
KKO	Aero Radio, Inc., Elko, Nev.	119.7, 59.7, 91.2, 71.6, 53.7, 60.08	KNWB	Aero Radio Corp., Minneapolis, Minn.	119.94, 99.86, 55.81			64.05, 36.23, 35.63,
KKP	R. C. A., Kohuku, Hawaii	21.89	KNWC	Aero Radio Co., Fargo, N. D.	111.94, 99.89, 55.18			27.17, 26.81, 24.16,
KKQ	R. C. A., Bolinas, Calif.	25.10	KNWD	Aero Radio Corp., Penebina, N. D.	119.94, 99.86, 55.81	KSF	Poneca City, Okla.	22.94, 18.116,
KKR	R. C. A., Bolinas, Calif.	19.40	KNY	Aero Radio, Inc., Bismarck, N. D.	112.44, 112.27, 105.11, 99.83, 55.79	KSG		13.587, 13.468
KKU	Geo. Exp. Co., 3rd Rdo. Zone No. 33.	176.06	KNZ	Geo. Exp. Co., 3rd Radio Zone, No. 12	176.06	KSI		187.27, 184.28,
KKV	Geo. Exp. Co., 3rd Rdo. Zone No. 32.	176.06	KOC	Geo. Exp. Co., 3rd Radio Zone, No. 11	176.06			178.89, 176.47,
KKW	R. C. A., Bolinas, Calif.	19.42	KOD	D. of C., Sacramento, Calif.	89.8, 89, 50.63, 50.51	KSM	D. of C., Cheyenne, Wyo.	89.2, 89, 50.52, 50.51
KKX	Geo. Exp. Co., 3rd Rdo. Zone No. 31.	176.06	KODZ	Geo. Exp. Co., 3rd Radio Zone, No. 10	176.06		Aero Radio, Inc., Los Angeles, Calif.	110.3, 109.8, 103.23,
KKY	Geo. Exp. Co., 3rd Rdo. Zone No. 30.	176.06	KOE	U. S. S. B., Bangu				97.63, 97.32, 97.15,
KKZ	R. C. A., Bolinas, Calif.	21.91	KOF	Aero Radio, Inc., Cheyenne, Wyo.	120.87, 119.71, 94.9, 94.75, 94.57, 72.74, 53.86, 53, 48.27, 48.15	KSR	Globe Wireless, Los Angeles, Calif.	96.61, 96.15, 54.35,
KLA	Humble Oil, Texas & La.	176.06	KOG	Tel. Co., Honolulu, T. H.	74.9, 71.2, 67.34, 51.37, 18.09, 17.75	KST		48.31, 46.8, 36.23,
KLC	Shell Co., Calif.	109.4	KOL	Geo. Exp. Co., 3rd Radio Zone, No. 4	176.06			34.52, 27.17, 26.56,
KLE	Humble Oil, Tex. & La., No. 11	176.06	KOP	D. of C., Elko, Nev.	89, 88.9, 50.51, 50.39	KSV	Aero Radio, Inc., Amarillo, Tex.	24.15, 24.1, 18.116,
KLG	Humble Oil, Tex. & La., No. 9	176.06	KOQ	Checkasaw				17.921
KLH	P. T. & T. Co.	118.01	KOML	M. R. T., Clearwater, Calif.	Various			57.53, 97.33, 72.02,
KLI	San Francisco, Calif.		KON	Herman F. Whinton				64.44, 54.15, 47.24,
KLK	Humble Oil, Tex. & La., No. 8	176.06	KOQ	Union Bay, Alaska	129.3			47.13, 37.43
KLL	D. of C., Reno, Nevada	89, 88.8, 50.51, 50.36	KOT	Press Wireless, San Francisco, Calif.	19.07			
KLN	R. C. A., Bolinas, Calif.	21.85	KOU	Press Wireless, San Francisco, Calif.	19.07	KSW	Police, Berkeley, Calif.	110.3, 109.8, 103.23,
KLT	Mutual Tel., Hilo, T. H.	52.45, 72.39	KOS	Press Wireless, Los Angeles, Calif.	18.89	KSX	Aero Radio, Inc., Albuquerque, N. M.	97.63, 97.32, 97.15,
KLU	Humble Oil, Tex. & La., No. 10	176.06	KOT	Sou. Cal. Tel. Co., Wilmington, Calif.	115.83			72.99, 54.15, 52.58,
KLV	Flagstaff, Ariz.	147	KOT	Geo. Exp. Co., 3rd Radio Zone	176.06			52.7, 46.08, 46.01,
KLW	Flagstaff, Calif.	147	KOT	Tel. Co., Honolulu, T. H.				45.94
KLY	Port Althrop, Alaska		KOS	Press Wireless, San Francisco, Calif.	19.07			Police, Berkeley, Calif.
KMD	Humble Oil, Tex. & La., No. 7	176.06	KOT	Press Wireless, Los Angeles, Calif.	19.07			123.86
KME	Humble Oil, Tex. & La., No. 6	176.06	KOT	Sou. Cal. Tel. Co., Wilmington, Calif.	115.83			46.08, 46.01, 45.94,
KMF	D. of C., Strell, Idaho	89.6, 89, 50.51, 50.35	KOU	Geo. Exp. Co., 3rd Radio Zone	176.06			110.3, 109.8, 103.23,
KMI	Egegik, Alaska	94.22	KOW	P. T. & T. Co., Edmonds, Wash.	118.57	KSY	Aero Radio, Inc., Tulsa, Okla.	97.63, 97.32, 97.15,
KML	Humble Oil, Tex. & La., No. 5	176.06	KPE	Harbor Dept., Seattle, Wash.	96.61, 96.15, 54.35, 48.31, 47.02, 35.23	KSZ		72.99, 54.45, 52.88,
KMM	Libby Fishing, Lockanok, Alaska	94.22	KPE	Press Wireless, Los Angeles, Calif.	34.72, 27.17, 25.53	KTK		62.7, 46.08, 46.01,
KMN	R. C. A., Bolinas, Calif.	14.43	KPG	Press Wireless, Los Angeles, Calif.	18.116, 17.73			24.03
KMP	San Francisco, Calif.	61.69	KPH	R. C. A., Bolinas, Calif.	39.35			48.05
KMR	Aero Radio, Inc., Omaha, Neb.	120.87, 119.71, 94.9, 94.75, 94.57, 94.39, 72.74, 53.86, 53, 48.27	KPI	Cebu, P. I.	43.5	KTO	McCarney, Texas	86.61, 96.15, 54.35,
KMS	Aero Radio, Inc., North Platte, Neb.	94.9, 94.75, 94.57, 94.39, 63.89, 53	KPM	Hoito, P. I.	44	KTP	Naknek, Alaska	48.31, 46.88, 36.23,
KMV	Humble Oil, Tex. & La., No. 4	176.06	KQC	Amer. Radio, Inc., Rock Springs, Wyo.	94.9, 84.75, 94.57, 94.39, 94.39, 53.86, 53	KTS	Steel Voyager	34.56, 27.17, 26.56,
KMX	W. A. E., Bandini, Calif.	49.5	KQD	Amer. Radio, Inc., Salt Lake City, Utah	120.87, 119.71, 94.9, 94.75, 94.57, 94.39, 72.74, 53.86, 53	KTT	Drier Bay, Alaska	24.15, 24.01, 18.116,
KMY	Humble Oil, Tex. & La., No. 3	176.06	KQG	R. C. A., Bolinas, Calif.	16.667	KTY	Aero Radio, Inc., Redding, Calif.	17.921, 13.877, 13.587
KMZ	Humble Oil, Tex. & La., No. 2	176.06	KQH	R. C. A., Kahuku, T. H.	15.77			
KNA	Humble Oil, Tex. & La., No. 1	176.06	KQJ	R. C. A., Bolinas, Calif.	16.61	KUFN	R. C. A., Manila, P. I.	27.5, 18.47
KNAS	Aero Radio, Inc., Kansas City, Mo.	94.9, 94.79, 94.57, 94.39, 94.30, 53.86, 53	KQL	D. of C., Oklahoma City, Okla.	89.6, 89, 50.61, 50.34	KUG	R. C. A., Manila, P. I.	37.59, 36.95
KNAT	Aero Radio, Inc., Dallas, Texas	94.75, 94.57, 94.39, 63.89, 53	KQM	Hidden Inlet, Alaska	129.3	KUH	R. C. A., Manila, P. I.	42.5
KNAU	Aero Radio, Inc., Tulsa, Okla.	94.9, 94.75, 94.57, 94.39, 63.86, 53	KQP	Aero Radio, Inc., Des Moines, Iowa	94.9, 84.75, 94.57, 94.39, 94.39, 53.86, 53	KUN	R. C. A., Manila, P. I.	66.55
KNAV	Aero Radio, Inc., Oklahoma City, Okla.	94.9, 94.75, 94.57, 94.39, 63.86, 53	KQQ	Minneapolis, Minn.	97.7, 45.05	KUP	Aero Radio, Inc., Redding, Calif.	94.9, 94.75, 94.57,
KNB	Texas Co., La., Miss. & Tex., No. 5	176.06	KQR	Aero Radio, Inc., Iowa City, Iowa	94.9, 94.75, 94.57, 94.39, 63.86, 53	KUW	R. C. A., Manila, P. I.	94.39, 53, 53.68, 26.84, 17.89, 17.04
KNC	Texas Co., La., Miss. & Tex., No. 15	176.06	KQS	R. C. A., Bolinas, Calif.	94	KUX	Naknek, Alaska	39.45
KND	Texas Co., La., Miss. & Tex., No. 16	176.06	KQT	Long Pine, Calif.	94	KUZ	Steel Voyager	50.885
KNE	Texas Co., La., Miss. & Tex., No. 18	176.06	KQX	Market Service, Los Angeles, Calif.	94	KVB	Govt., Dast, P. I.	44
KNF	Texas Co., La., Miss. & Tex., No. 19	176.06	KRA	Aero Radio, Inc., Bakerfield, Calif.	94.671, 53	KVF	Drier Bay, Alaska	60.55
KNG	Portable, Calif.	51.69	KRB	D. of C., Parkville, Mo.	92.3, 70.67, 65.92	KVH	Aero Radio, Inc., States, S. S. Co., California	54.3, 35.6, 27.15,
KNI	Wilmington, Calif.	114.9	KRC	Aero Radio, Inc., Des Moines, Iowa	93.34, 39.27	KVJ	Redding, Calif.	26.71, 18.09, 18.007,
KNK	M. R. T., Palo Alto, Calif.	20.44, 20.39, 15.97, 15.25	KRD	D. of C., Parkville, Mo.	89.6, 89, 50.61, 50.54	KVK	R. C. A., Manila, P. I.	16.61
KNL	Geo. Exp. Co., 3rd Radio Zone, No. 21	176.06	KRF	Aero Radio, Inc., Pasco, Wash.	94.9, 84.75, 94.57, 94.39, 63.86, 53	KVM	Newspaper, San Francisco, Calif.	53.71, 45.94, 39.45,
KNM	Geo. Exp. Co., 3rd Radio Zone, No. 20	176.06	KRG	Aero Radio, Inc., Lincoln, Neb.	94.9, 84.75, 94.57, 94.39, 63.86, 53	KVO		28.85, 18.23, 16.58,
KNN	M. R. T., Honolulu, T. H.		KRJ	State Dept., San Francisco, Calif.	92.3, 70.67, 65.92	KVP		35.93, 26.46, 17.964,
KNO	Libby Fishing, Nushagak, Alaska	94.22	KRK	State Dept., Sacramento, Calif.	94.05, 29.97	KVR		13.498
KNQ	Geo. Exp. Co., 3rd Radio Zone, No. 19	176.06	KRM	M. R. T. Co., Palo Alto, Calif.	92.3, 70.67, 65.92	KVT		
KNR	M. R. T., Clearwater, Calif.	96.61, 96.15, 54.35, 36.23, 35.84, 27.17, 18.116, 17.857, 13.746, 13.587	KSA	State Dept., Los Angeles, Calif.	94.9, 84.75, 94.57, 94.39, 63.86, 53	KVU		
					94.9, 84.75, 94.57, 94.39, 63.86, 53	KVV		
					94.9, 84.75, 94.57, 94.39, 63.86, 53	KWW		
					94.9, 84.75, 94.57, 94.39, 63.86, 53	KWA		
					94.9, 84.75, 94.57, 94.39, 63.86, 53	KWB		
					94.9, 84.75, 94.57, 94.39, 63.86, 53	KWC		

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

9

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
KWD	M. R. T. Co., Palo Alto, Calif.	33.37	KZSP	Govt., Legaski, P. I.	54.31, 50.34	NESC	U. S. S., Paducah	
KWE	R. C. A., Bolinas, Calif.	19.44	KZSR	Govt., Surigao, P. I.	62.825	NETC	U. S. S., Pittsburgh	
KWF	M. R. T. Co., Palo Alto, Calif.	27.73	KZTB	Govt., Tacloban, P. I.	58.09	NEVF	U. S. N., Vaga	
KWI	M. R. T. Co., Palo Alto, Calif.	27.55	KZTC	Govt., Leyte, P. I.	43.17	NEVJ	U. S. N., Sacramento	
KWJ	M. R. T. Co., Palo Alto, Calif.	23.08	KZTG	Govt., Samar, P. I.	55.94	NEVN	U. S. S., New Mexico	
KWK	R. C. A., Bolinas, Calif.		KZTL	Tolson, P. I.	42.8	NFB	U. S. N., Detroit, Mich.	
KWM	M. R. T. Co., Palo Alto, Calif.	20.35	KZV	Nushagak, Alaska	66	NFD	U. S. N., Balboa, C. Z.	
KWN	A. T. & T., Dixon, Calif.	14.245	KZBZ	Govt., Zamboanga, P. I.	32.15	NFV	U. S. N., Quantico, Va.	86.32
KWO	A. T. & T., Sacramento, Calif.	44.41, 32.72, 30.40, 20.56, 15.136	KZZG	Govt., Zamboanga, P. I.	48.54, 43.73	NHP	U. S. N., Honolulu, Hawaii	
		14.245	NAA	Arlington, Va.	74.72, 71.34, 67.64, 35.65, 33.82, 23.78	NIC	U. S. N., Honolulu, Hawaii	74.12, 18.54
KWP	M. R. T. Co., Palo Alto, Calif.	16.968	NAB	U. S. N., Eastport, Me.	22.54, 18.67, 17.8	NIDF	U. S. N., Akron, Ohio	
KWQ	M. R. T. Co., Palo Alto, Calif.	16.429	NABO	U. S. S., Indianapolis		NIDN	U. S. S., Augusta	
KWR	Port Moller, Alaska	51.02	NABF	U. S. S., Ranger		NIFT	U. S. S., Tennessee	
KWS	M. R. T. Co., Palo Alto, Calif.	14.032	NABJ	U. S. N., New Orleans, La.		NIJJ	U. S. S., Louisville	24
KWT	M. R. T. Co., Palo Alto, Calif.	68.24, 15.98	NAC	U. S. N., Portsmouth, N. H.		NIJO	U. S. S., Bobolink	
KVV	Pacific Air T., Bakersfield, Calif.		NACB	U. S. S., Portland		NIJX	U. S. S., Utah	
KXB	Inglewood, Calif.		NACD	U. S. S., Astoria		NIKO	U. S. S., Gannet	
KXX	Alaska Fishing, Funter, Alaska	129.3, 94.75	NACF	U. S. S., Minneapolis		NIKM	U. S. S., Rochester	
KXW	Ikatake, Alaska		NACT	U. S. S., Arkansas		NIQF	U. S. S., Lexington	
KYB	Honolulu, Hawaii	94.9	NACV	U. S. S., Arizona		NIQJ	U. S. S., Houston	
KYG	Globe Wireless, Honolulu, Hawaii		NAD	U. S. S., Boston, Mass.		NIQL	U. S. S., S. C.	
			NAD	U. S. S., Nevada		NIQN	U. S. S., Wright	
			NAON	U. S. S., Oklahoma		NIRR	U. S. S., Marblehead	
			NAON	U. S. S., New York		NIRS	U. S. S., Wilmington	
KYI	Kings Mills, Texas	59.11, 96.15, 54.35, 48.31, 46.88, 36.23,	NAOT	U. S. S., Texas		NIRT	U. S. S., Raleigh	
KYK	Karluk, Alaska	51.76, 51.63	NADV	U. S. S., Pennsylvania		NIRV	U. S. S., Concord	
KYM	Koichak, Alaska	123.55, 94.39	NAF	U. S. S., Newport, R. I.		NIRX	U. S. S., Canopus	
KYU	Wichita Falls, Texas	45.02	NAFC	U. S. S., Dickerson		NISJ	U. S. S., Pensacola	
KYY	Los Angeles, Calif.	146.3	NAFL	U. S. S., Leary		NISK	U. S. S., Salt Lake City	
KYZ	Lobby Fishing, Keual, Alaska	94.22	NAFT	U. S. S., California		NISL	U. S. S., Omaha	
KZA	Inglewood, Calif.		NAEV	U. S. S., Chester		NISM	U. S. S., Milwaukee	
KZAB	Manila R. R., Samtar, P. I.	53.42	NAG	U. S. S., Squantum, Mass.		NISN	U. S. S., Cincinnati	
KZAC	Manila R. R., Bioc, P. I.	53.43	NAGM	U. S. S., Chicago		NISP	U. S. S., Detroit	
KZAM	Manila R. R., Noga, P. I.	53.42	NAH	U. S. N., New York, N. Y.		NISQ	U. S. S., Richmond	
KZAP	Mayon, P. L.	70.5, 36.01, 35.95, 27	NAI	U. S. N., Philadelphia, Pa.		NISR	U. S. S., Trenton	
KZAR	Mindow	36	NAK	U. S. N., Annapolis, Md.		NISS	U. S. S., Memphis	
KZAV	Venus	36	NAKP	U. S. S., Dubuque		NISX	U. S. S., Argonne	
KZAW	Kauban	54.3, 54, 36.01, 27.15, 18.094, 18.007	NAL	U. S. N., Washington, D. C.	86.32	NITR	U. S. S., Wyoming	
KZAY	Florence D.	62.18	NASC	U. S. S., Washington, D. C.		NKF	U. S. N., Radi Lab., Anacostia, D. C.	
KZB	Los Angeles, Calif.	44.03	NARD	U. S. S., Key West, Fla.		NMC	U. S. C. G., Point Bonita, Calif.	
KZBD	A. G. & F., Salvager	54, 53.71, 53.42, 53.14	NASC	U. S. S., Maryland		NMF	U. S. C. G., Nahant, Mass.	
KZBH	Bustamente	54.3, 63.05, 36	NAT	U. S. S., Pensacola, Fla.		NMG	U. S. C. G., Mobile, Ala.	
KZBL	Manila R. R., Alabat	53.42	NAM	U. S. N., Norfolk, Va.		NMH	U. S. C. G., Washington, D. C.	
KZBR	Trabajador	35.97, 27.59	NATB	U. S. N., Cape Lookout, N.C.		NMN	U. S. C. G., Cape Henry, Va.	
KZBT	Batuan, Alaska	42.9	NAU	U. S. N., Charleston, S. C.		NMV	U. S. C. G., Ft. Lauderdale, Fla.	
KZCB	Govt., Cebu, P. I.	54.59	NAV	U. S. S., Seattle		NMW	U. S. C. G.,	
KZCD	Govt., Cebu, P. I.	40.62	NAVD	U. S. S., Hawk		NMY	Port Townsend, Wash.	
KZCF	Govt., Cebu, P. I.	62.825, 54.79	NAW	U. S. S., Jupiter, Fla.	67.64, 33.82	NOA	U. S. C. G., Rockaway, N. Y.	
KZCK	Davao, P. I.	50	NAY	U. S. S., New Orleans, Fla.	67.64, 33.82	NOB	U. S. C. G., Staten Is., N. Y.	A2-A3
KZCM	Govt., Manila, P. I.	50.98, 44.61	NBA	U. S. S., New York, N. Y.		NOC	U. S. C. G., Buffalo, N. Y.	
KZCN	Cebu, P. I.	47	NBB	U. S. S., Balboa, C. Zone	33.82	NOD	U. S. C. G., Block Is., R. I.	
KZCP	Manila, P. I.	44	NBC	U. S. S., Virgin Islands	33.82	NOF	U. S. C. G., St. Petersburg, Fla.	
KZCR	Philippine Islands	64.3	NBD	U. S. S., Wilmette		NOG	U. S. C. G., Gloucester, Mass.	
KZDB	Apo	54, 53, 36	NBE	U. S. S., Thatcher Is., Mass.		NOH	U. S. C. G., Charleston, N. C.	
KZDD	Govt., Davao, P. I.	32.5	NBJ	U. S. S., Oakland, Calif.		NOI	U. S. C. G., Biloxi, Miss.	
KZDV	Govt., Davao, P. I.	59.23, 59.02	NBO	U. S. S., St. Louis, Mo.		NOJ	U. S. C. G., San Pedro, Calif.	
KZED	R. C. A., Manila, P. I.	27.5	NBP	U. S. S., New York, N. Y.		NOK	U. S. C. G., Anacostia, Wash.	
KZEF	Atlantic Gulf	35	NBQ	U. S. S., Miami, Fla.		NOL	U. S. C. G., Port Angeles, Wash.	
KZEN	R. C. A., Manila, P. I.	15	NBU	U. S. S., Great Lakes, Ill.		NOM	U. S. C. G., Miami, Fla.	
KZFB	Goodyear Co., Kalibasal, P. I.	63.35	NCQ	U. S. S., San Juan, P. R.	67.64, 33.82	NON	U. S. C. G., San Diego, Calif.	
KZFC	Lumber Co., Ft. Marion, P. I.	62.825	NCG	U. S. S., San Juan, P. R.		NOP	U. S. C. G., Woods Hole, Mass.	
KZFD	Lumber Co., Lumarao, P. I.	170	NDA	U. S. S. R., Tufts College, Mass.	40.45	NOQ	U. S. C. G., Fernandina, Fla.	
KZFF	Lumber Co., Manila, P. I.	63.76	NDB	U. S. S. R., New York, N. Y.	40.45	NOR	U. S. C. G., Cleveland, Ohio	
KZFG	Manila, P. I.	61.42	NDC	U. S. S. R., Pittsburgh, Pa.	40.45	NOU	U. S. C. G., New London, Conn.	
KZFG	Fabrica, P. I.	63.76	NDD	U. S. S. R., Pensacola, Fla.	40.45	NOV	U. S. C. G., Cape May, N. J.	
KZFH	Hilo, P. I.	61.80	NDE	U. S. S. R., Norfolk, Va.	40.45	NOY	U. S. C. G., Galveston, Tex.	
KZFL	Insular Govt., Milibik, P. I.	63.35	NDF	U. S. S. R., So. Manchester, Conn.	40.45	NOZJ	U. S. S. C. 412	
KZFM	Manila, P. I.	62.17	NDG	U. S. S. R., Balboa, C. Z.	40.45	NPA	U. S. S. N., Cordova, Alaska	34.2
KZFN	Sipaco, P. I.	62.17	NDH	U. S. S. R., San Francisco, Calif.		NPC	U. S. S. N., Puget Sound, Wash.	68.35, 34.20
KZFO	Manila, P. I.	61.42	NDJ	U. S. S. R., Atlanta, Ga.		NPG	U. S. S. N., San Francisco, Calif.	34.96, 35.93, 68.38,
KZFR	Cebu, P. I.	61.42	NDK	U. S. S. R., Baltimore, Md.			23.88	
KZFS	Davao, P. I.	61.42	NDL	U. S. S. R., Orlando, Fla.				
KZFT	Manila R. R. Co., Nagu, P. I.	63.38	NDM	U. S. S. R., Philadelphia, Pa.				
KZFW	Sumagol, P. I.	51.79	NDN	U. S. S. R., Washington, D. C.				
KZFY	Sumagui, P. I.	62.18	NDP	U. S. S. R., Oakland, Calif.				
	Manila Electric Co.		NDQ	U. S. S. R., Kansas City, Mo.				
	Manila, P. I.	75.3	NDR	U. S. S. R., Seattle, Wash.				
KZFZ	Batoocan, P. I.	75.7	NDT	U. S. S. R., Winnetka, Ill.				
KZGF	Radio Telephone Comm.	109.8, 52, 32.7	NDU	U. S. S. R., San Diego, Calif.				
KZGG	Radio Telephone Long Dist., Cebu, P. I.	103, 51.5, 33.6	NDV	U. S. S. R., Jacksonville, Fla.				
KZGH	Radio Telephone Co., Hilo, P. I.	40.05	NDW	U. S. S. R., Los Angeles, Calif.				
KZGJ	R. C. P. I., Manila, P. I.	55.2, 55, 37.59, 31.72	NEK	U. S. S. R., Cape Hatteras, N. C.	40.45	NPL	U. S. S. N., San Diego, Calif.	99.83, 68.38, 34.2
KZGK	R. C. P. I., Cebu, P. I.	50, 33.53	NEL	U. S. S. R., Lakehurst, N. J.	86.32	NPM	U. S. S. N., Honolulu, Hawaii	
KZGL	R. C. P. I., Hilo, P. I.	40.5	NEMC	U. S. S. R., Baltimore, Md.		NPN	U. S. S. N., Guam	
KZGM	R. C. P. I., Zamboanga, P. I.	57.4, 31.84	NDZ	U. S. S. R., New Orleans, La.		NPO	U. S. S. N., Cavite, P. I.	
KZGN	R. C. P. I., Davao, P. I.	56.5, 31.37	NECR	U. S. S. R., Panama Rep.	54.15, 32	NPP	U. S. S. N., Peking, China	
KZGP	R. C. P. I., Legaski, P. I.	56.66, 43.35	NEDJ	U. S. S. R., Colorado		NPQ	U. S. S. N., St. Paul, Preble Is.	
KZGQ	R. C. P. I., Cagayan, P. I.	57.90, 40.54	NEF	U. S. S. R., West Virginia		NPU	U. S. S. N., Totota, Samoa	
KZI	Portable, Los Angeles, Calif.	146.3	NEFX	U. S. S. N., Charlotte, N. C.		NRCF	U. S. C. G., Redwing	
KZIL	Govt., Hilo, P. I.	56.34	NEJ	U. S. S. N., Northampton		NRCG	U. S. C. G., Gresham	
KZIM	Govt., Hilo, P. I.	63.76	NEJX	U. S. S. N., Ensenada, P. R.		NRCO	U. S. C. G., Osippe	
KZJ	Aero Radio, Inc., Seattle, Wash.	94.9, 94.75, 94.57, 94.39, 53.86, 53	NEKN	U. S. S. N., Milwaukee		NRCQ	U. S. C. G., Tuscarora	
KZLG	Govt., Sago, P. I.	62.96	NELB	U. S. S. N., Falcon		NRCS	U. S. C. G., Seneca	
KZLN	Govt., Lucena, P. I.	60.535, 50.34	NEMC	U. S. S. N., Stratoga		NRCU	U. S. C. G., Unalga	
KZML	Govt., Manila, P. I.	60.79, 51.11	NEMG	U. S. S. N., Modesta		NRCV	U. S. C. G., Tathaposa	
KZMM	Govt., Manila, P. I.	38.59	NEMJ	U. S. S. N., Schenectady		NRCW	U. S. C. G., Seminole	
KZMN	Govt., Manila, P. I.	31.15	NEND	U. S. S. N., Colorado		NRCY	U. S. C. G., Yamacraw	
KZMP	Govt., Manila, P. I.	42.89	NENM	U. S. S. N., Lakehurst		NRDC	U. S. C. G., Cassin	
KZNN	Waterfall, Alaska, P. I.	49.15, 107.1	NEPQ	U. S. S. N., Dallas		NRDQ	U. S. C. G., Hunt	
KZRM	Manila, P. I.	48.86, 31.35, 25.36	NEPX	U. S. S. N., Relief		NRDQ	U. S. C. G., Willborn C. Wood	
KZRR	Govt., Aparsi, P. I.	43.5	NEQB	U. S. S. N., Babbitt		NRDS	U. S. C. G., McDonal	
KZRY	Govt., Aparsi, P. I.	62.95, 56.88	NEQC	U. S. S. N., Jason		NRDU	U. S. C. G., Porter	
				U. S. S. N., Langley		NRDV	U. S. C. G., Abel P. Upshur	
						NRDW	U. S. C. G., Wilkes	
						NRFA	U. S. C. G., Acushnet	
						NRFC	U. S. C. G., Cachkia	
						NRFD	U. S. C. G., Apache	
						NRFF	U. S. C. G., Carrabelle	
						NRFK	U. S. C. G., Kickapoo	
						NRFL	U. S. C. G., Manhattan	
						NRFM	U. S. C. G., Mascoutin	
						NRFP	U. S. C. G., Pamlico	
						NRFS	U. S. C. G., Pequot	
						NRFU	U. S. C. G., Shawnee	
						NRFU	U. S. C. G., Snohomish	

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
NRFV	U.S.C.G., Tainasoa.		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.		NRYO	U.S.C.G., C.G. 270.	
NRGA	U.S.C.G., Aurora.		NROL	U.S.C.G., C.G. 178.		NRYP	U.S.C.G., C.G. 271.	
NRGB	U.S.C.G., Argos.		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., Hermet.		NROQ	U.S.C.G., C.G. 182.		NRVY	U.S.C.G., C.G. 275.	
NRGJ	U.S.C.G., Icarus.		NROU	U.S.C.G., C.G. 183.		NRWY	U.S.C.G., C.G. 276.	
NRGP	U.S.C.G., Persus.		NROV	U.S.C.G., C.G. 184.		NRYY	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.		NRZA	U.S.C.G., C.G. 279.	
NRHB	U.S.C.G., C.G. 101.		NROY	U.S.C.G., C.G. 187.		NRZB	U.S.C.G., C.G. 280.	
NRHC	U.S.C.G., C.G. 102.		NROZ	U.S.C.G., C.G. 189.		NRZC	U.S.C.G., C.G. 281.	
NRHD	U.S.C.G., C.G. 103.		NRPA	U.S.C.G., Alert.		NRZD	U.S.C.G., C.G. 282.	
NRHF	U.S.C.G., C.G. 104.		NRPB	U.S.C.G., Bonham.		NRZF	U.S.C.G., C.G. 284.	
NRHG	U.S.C.G., C.G. 105.		NRPC	U.S.C.G., Ewing.		NRZG	U.S.C.G., C.G. 285.	
NRHH	U.S.C.G., C.G. 106.		NRPD	U.S.C.G., McLane.		NRZH	U.S.C.G., C.G. 286.	
NRHJ	U.S.C.G., C.G. 107.		NRPF	U.S.C.G., Morris.		NRZJ	U.S.C.G., C.G. 287.	
NRHL	U.S.C.G., C.G. 109.		NRPG	U.S.C.G., Montgomery.		NRZK	U.S.C.G., C.G. 288.	
NRHM	U.S.C.G., C.G. 110.		NRRA	U.S.C.G., C.G. 190.		NRZL	U.S.C.G., C.G. 289.	
NRHP	U.S.C.G., C.G. 112.		NRRB	U.S.C.G., C.G. 191.		NRZM	U.S.C.G., C.G. 290.	
NRHQ	U.S.C.G., C.G. 115.		NRRC	U.S.C.G., C.G. 192.		NRZO	U.S.C.G., C.G. 291.	
NRHR	U.S.C.G., C.G. 116.		NRRD	U.S.C.G., C.G. 193.		NRZP	U.S.C.G., C.G. 292.	
NRHS	U.S.C.G., C.G. 117.		NRRF	U.S.C.G., C.G. 194.		NRZQ	U.S.C.G., C.G. 293.	
NRHU	U.S.C.G., C.G. 118.		NRRH	U.S.C.G., C.G. 196.		NRZT	U.S.C.G., C.G. 295.	
NRHV	U.S.C.G., C.G. 119.		NRRI	U.S.C.G., C.G. 197.		NRZU	U.S.C.G., C.G. 294.	
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.		NRZX	U.S.C.G., C.G. 300.	
NRHZ	U.S.C.G., C.G. 123.		NRRP	U.S.C.G., C.G. 202.		NRZY	U.S.C.G., C.G. 301.	
NRIA	U.S.C.G., C.G. 124.		NRQQ	U.S.C.G., C.G. 203.		NRZZ	U.S.C.G., C.G. 302.	
NRIB	U.S.C.G., C.G. 125.		NRRS	U.S.C.G., G.G. 204.		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.		NRZZ	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 52.	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., Takoe.		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., Haifa.		NVMAG	Aircraft on U.S.S. Chicago.	
NRIR	U.S.C.G., C.G. 139.		NRUI	U.S.C.G., Itasca.		NVMAM	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., Mojave.		NVMAN	Aircraft on U.S.S. Northampton.	
NRIW	U.S.C.G., C.G. 143.		NRUP	U.S.C.G., Pouchartrain.		NVMAP	Aircraft on U.S.S. Salt Lake City.	
NRIX	U.S.C.G., C.G. 144.		NRUQ	U.S.C.G., Modoc.		NVMAU	Aircraft on U.S.S. Pensacola.	
NRIY	U.S.C.G., C.G. 145.		NRUS	U.S.C.G., Selago.		NVMAW	Aircraft on U.S.S. Pennsylvania.	
NRIZ	U.S.C.G., C.G. 146.		NRUW	U.S.C.G., Cayuga.		NVMAX	Aircraft attached to Macon.	
NRJB	U.S.C.G., C.G. 148.		NRVA	U.S.C.G., C.G. 211.		NVMB	Aircraft attached to Macon.	
NRJC	U.S.C.G., C.G. 149.		NRVB	U.S.C.G., C.G. 212.		NVMBD	Aircraft on U.S.S. California.	
NRJD	U.S.C.G., C.G. 150.		NRVC	U.S.C.G., C.G. 213.		NVMBE	Aircraft on U.S.S. Indianapolis.	
NRJF	U.S.C.G., C.G. 151.		NRVD	U.S.C.G., C.G. 214.		NVMBF	Aircraft on U.S.S. Oklahoma.	
NRJG	U.S.C.G., C.G. 152.		NRVF	U.S.C.G., C.G. 215.		NVMCH	Aircraft on U.S.S. Idaho.	
NRJJ	U.S.C.G., C.G. 153.		NRVG	U.S.C.G., C.G. 216.		NVMDB	Aircraft on U.S.S. Astoria.	
NRJJ	U.S.C.G., C.G. 154.		NRVJ	U.S.C.G., C.G. 218.		NVMDC	Aircraft on U.S.S. Indianapolis.	
NRJK	U.S.C.G., C.G. 155.		NRVK	U.S.C.G., C.G. 219.		NVMDF	Aircraft on U.S.S. Marblehead.	
NRJL	U.S.C.G., C.G. 156.		NRVL	U.S.C.G., C.G. 220.		NVMDJ	Aircraft on U.S.S. Maryland.	
NRJM	U.S.C.G., C.G. 157.		NRVM	U.S.C.G., C.G. 221.		NVMDK	Aircraft on U.S.S. Concord.	
NRJO	U.S.C.G., C.G. 158.		NRVO	U.S.C.G., C.G. 222.		NVMFA	Aircraft on U.S.S. Colorado.	
NRJP	U.S.C.G., C.G. 159.		NRVP	U.S.C.G., C.G. 223.		NVMFB	Aircraft on U.S.S. Portland.	
NRJQ	U.S.C.G., C.G. 160.		NRVQ	U.S.C.G., C.G. 224.		NVMFC	Aircraft on U.S.S. Antares.	
NRJR	U.S.C.G., C.G. 161.		NRVS	U.S.C.G., C.G. 225.		NVMFH	Aircraft on U.S.S. New Orleans.	
NRJS	U.S.C.G., C.G. 162.		NRVU	U.S.C.G., C.G. 226.		NVMFL	Aircraft on U.S.S. Memphis.	
NRJU	U.S.C.G., C.G. 163.		NRVW	U.S.C.G., C.G. 228.		NVMGA	Aircraft at First Naval Dist.	
NRJV	U.S.C.G., C.G. 164.		NRVX	U.S.C.G., C.G. 229.		NVMGB	Aircraft at Third Naval Dist.	
NRJW	U.S.C.G., C.G. 165.		NRVY	U.S.C.G., C.G. 231.		NVMGC	Aircraft at Fourth Naval Dist.	
NRJY	U.S.C.G., C.G. 167.		NRVZ	U.S.C.G., C.G. 232.		NVMGD	Aircraft at Fifth Naval Dist.	
NRJZ	U.S.C.G., C.G. 168.		NRWA	U.S.C.G., Corwin.		NVMGF	Aircraft at Sixth Naval Dist.	
NRKA	U.S.C.G., Arcata.		NRWB	U.S.C.G., Dallas.		NVMGH	Aircraft at Seventh Naval Dist.	
NRKB	U.S.C.G., Cygan.		NRWC	U.S.C.G., Eagle.		NVMGJ	Aircraft at Eighth Naval Dist.	
NRKC	U.S.C.G., Cook.		NRWD	U.S.C.G., Dexter.		NVMGK	Aircraft at Ninth Naval Dist.	
NRKD	U.S.C.G., A.B. 9.		NRWF	U.S.C.G., Forward.		NVMGL	Aircraft at Eleventh Naval Dist.	
NRKG	U.S.C.G., Osprey.		NRWG	U.S.C.G., Gallatin.		NVMGM	Aircraft at Twelfth Naval Dist.	
NRKK	U.S.C.G., Tingrad.		NRWJ	U.S.C.G., Mahoning.		NVMGN	Aircraft at Fifteenth Naval Dist.	
NRKS	U.S.C.G., Smith.		NRWK	U.S.C.G., Nansemond.		NVMGP	Aircraft at Thirteenth Naval Dist.	
NRKW	U.S.C.G., C.G. 925.		NRWL	U.S.C.G., Naugatuck.		NVMGQ	Aircraft at Fourteenth Naval Dist.	
NRLA	U.S.C.G., Active.		NRWP	U.S.C.G., Patriot.		NVMGR	Aircraft at Sixteenth Naval Dist.	
NRLB	U.S.C.G., Agassiz.		NRWQ	U.S.C.G., Perry.		NVMGS	Aircraft at Guam Naval Dist.	
NRLC	U.S.C.G., Antietam.		NRWS	U.S.C.G., Petrel.		NVMGT	Aircraft at Guantanamo.	
NRLD	U.S.C.G., Bontwell.		NRWU	U.S.C.G., Wollcott.		NVMGY	Aircraft on U.S.S. Arizona.	
NRLF	U.S.C.G., Cartigan.		NRXA	U.S.C.G., C.G. 233.		NVMHB	Aircraft on U.S.S. Patoka.	
NRLG	U.S.C.G., Cahoon.		NRXB	U.S.C.G., C.G. 234.		NVMHC	Aircraft on U.S.S. Nevada.	
NR LJ	U.S.C.G., Crawford.		NRXC	U.S.C.G., C.G. 235.		NVMHD	Aircraft on U.S.S. Mississippi.	
NRLK	U.S.C.G., Cuyahoga.		NRXD	U.S.C.G., C.G. 236.		NVMHF	Aircraft on U.S.S. Ranger.	
NRLM	U.S.C.G., Diligence.		NRXF	U.S.C.G., C.G. 237.		NVMHL	Aircraft on U.S.S. Arkansas.	
NR LP	U.S.C.G., Dix.		NRXG	U.S.C.G., C.G. 240.		NVMJA	Aircraft on U.S.S. Argonne.	
NR LQ	U.S.C.G., Faunee.		NRXH	U.S.C.G., C.G. 241.		NVMJK	Aircraft on U.S.S. New Mex.	
NR LR	U.S.C.G., Frederick Lee.		NRXJ	U.S.C.G., C.G. 242.		NVMKL	Aircraft on U.S.S. New York.	
NR LS	U.S.C.G., General Greene.		NRXK	U.S.C.G., C.G. 243.		NVMKN	Aircraft on U.S.S. Wyoming.	
NR LU	U.S.C.G., Harriet Lane.		NRXL	U.S.C.G., C.G. 244.		NVMKS	Aircraft on U.S.S. Detroit.	
NR LV	U.S.C.G., Jackson.		NRXM	U.S.C.G., C.G. 246.		NVMLN	Aircraft on U.S.S. Tennessee.	
NR LW	U.S.C.G., Kingman.		NRXO	U.S.C.G., C.G. 247.		NVMND	Aircraft on U.S.S. Wright.	
NR LX	U.S.C.G., Legare.		NRXP	U.S.C.G., C.G. 250.		NVMNP	Aircraft on U.S.S. W. Virginia.	
NR LY	U.S.C.G., Marion.		NRXQ	U.S.C.G., C.G. 251.		NVMNS	Aircraft on U.S.S. Richmond.	
NR LZ	U.S.C.G., Nemaha.		NRXS	U.S.C.G., C.G. 252.		NVMPO	Aircraft on U.S.S. Lexington.	
NR MA	U.S.C.G., Pulaski.		NRXU	U.S.C.G., C.G. 253.		NVMQG	Aircraft on U.S.S. Omaha.	
NR MB	U.S.C.G., Reliance.		NRXV	U.S.C.G., C.G. 254.		NVMUF	Aircraft on U.S.S. Saratoga.	
NR MC	U.S.C.G., Rush.		NRXW	U.S.C.G., C.G. 255.				
NR MD	U.S.C.G., Tiger.		NRXX	U.S.C.G., C.G. 256.				
NR MF	U.S.C.G., Travis.		NRXY	U.S.C.G., C.G. 257.				
NR MG	U.S.C.G., Vigilant.		NRXZ	U.S.C.G., C.G. 258.				
NR MJ	U.S.C.G., Woodhury.		NRYA	U.S.C.G., C.G. 259.				
NR MP	U.S.C.G., Yenton.		NRYB	U.S.C.G., C.G. 260.				
NR OA	U.S.C.G., C.G. 169.		NRYC	U.S.C.G., C.G. 261.				
NR OB	U.S.C.G., C.G. 170.		NRYD	U.S.C.G., C.G. 262.				
NR OC	U.S.C.G., C.G. 171.		NRYF	U.S.C.G., C.G. 263.				
NR OD	U.S.C.G., C.G. 172.		NRYG	U.S.C.G., C.G. 264.				
NR OF	U.S.C.G., C.G. 173.		NRYH	U.S.C.G., C.G. 265.				
NR OG	U.S.C.G., C.G. 174.		NRYJ	U.S.C.G., C.G. 266.				
NR OH	U.S.C.G., C.G. 175.		NRYK	U.S.C.G., C.G. 267.				
			NRYL	U.S.C.G., C.G. 268.				

SHORT WAVE LOG AND CALL BOOK. SUMMER. 1933

1

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.	54.3
NVMVR	Aircraft on U.S.S. Sangley.				47.17, 36.23, 35.5,	WEET	Melodie.	
NVMWB	Aircraft on U.S.S. Milwaukee.				27.17	WEEW	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,	WEEK	Aero Radio, Inc., Tinley Park, Ill.	33.34, 39.27, 32.5, 31.95, 29.79
NVMXA	Aircraft on U.S.S. Trenton.				27.15, 26.71, 18.05,	WEEY	Ex Cambian.	
NZMCT	U. S. Navy, ZMC 2.				18.007, 13.57	WEEZ	Olympic.	54.3, 54, 36.01, 27.15, 18.094, 18.007
NZNJF	U. S. Navy, J 4.		WCCN	Dollar S.S., Pres. Filmore.	54.3, 35.50, 26.71, 54,	WEEX	Aero Radio, Inc., Tinley Park, Ill.	33.34, 39.27, 32.5,
NZNJT	U. S. Navy, J 3.		WCCR	Alaska S.S., Aleutian.	27.15	WEFY	Galaxy.	
NZNKO	U. S. Navy, Non-rigid Ship KI.		WCD	Texas Co., La., Miss., Tex.	176.06	WEFQ	Gertrude S.	118.20
NZRLA	U. S. Navy, Los Angeles.		WCE	T. R. T. Co., Hingham, Mass.	23.16	WEGR	Cascadian.	109.56
NZRLC	Airship, Macon.		WCEA	Boston Pilot.	118.29	WEHT	Irene L.	109.57
WAA	R. C. A., Detroit, Mich.	96.61, 96.15, 72.46, 62.69, 54.35, 48.31, 47.39, 38.23, 35.01, 27.17, 26.775	WCEB	Ingomar.	54.3, 54, 53.43	WEJ	Galaxy.	
WAB	T. R. T. Co., Hialeah, Fla.	44.264	WCEC	Tatoosh.	129.3, 117.2	WEK	Mariposa.	
WAC	R. C. A., New Brunswick, N.J.	31.68, 21.58	WCED	Gloria Dalton.	54.3, 54, 39.19, 36.01	WEI	Walle.	
WAD	R. C. A., Rocky Point, N. Y.	33.59, 21.63	WCEH	Fish Hawk.	129.3	WEJ	Galaxy.	
WADK	Transp. Corp., Cabrillo.	109.5	WCEJ	San Salvador.	123.55	WEK	Mariposa.	
WADT	Grace S.S., Santa Cecilia.	54.3, 36.19, 35.5, 27.15, 26.71, 22.66	WCEK	Ajira.	54.3, 54, 36.19, 18.094	WEL	Walle.	
WAE	R. C. A., New Brunswick, N.J.	43.17, 21.68	WCEL	Bluefin.	54.3, 54, 45.52, 36.01	WEN	Galaxy.	
WAEC	Aero Radio, Pittsburgh, Pa.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63	WCEM	Europa.	27.15, 27, 18.004	WEQ	Walle.	
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, 26.71	WET	Galaxy.	
WAEE	Aero Radio, Camden, N. J.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63	WCEO	Ramah.	22.66, 18.094, 36.01	WEV	Walle.	
WAEF	Aero Radio, Newark, N. J.	97.33, 86.5, 54.44, 47.13, 37.43, 24.63	WCF	Argosy.	129.3, 54.3, 54, 36.19	WEX	Galaxy.	
WAEG	Aero Radio, Cresson, Pa.	110.21, 109.72, 73.02, 47.13, 37.43, 24.63	WCEO	Europa.	27.15, 27, 18.182, 18.007	WEY	Walle.	
WAEH	Aero Radio, Inc., Milwaukee, Wis.	112.44, 112.28, 105.12, 99.83, 55.8	WCEP	Sarama.	36.19, 36.01, 35.5, 27.15, 26.71, 22.66, 18.094, 18.007	WEZ	Galaxy.	
WAEI	AeroRadio, Inc., Detroit, Mich.	111.10, 102.11, 51.5	WCEQ	Hussar.	36.19, 36.01, 35.5, 27.15, 26.71, 22.66, 18.094	WFC	Galaxy.	
WAEJ	Aero Radio, Inc., Springfield, Ill.	129.63, 37.43	WCEQ	Continental.	36.19, 36.01, 35.5, 27.15, 26.71, 22.66, 18.094	WFEC	Galaxy.	
WAEK	Aero Radio, Inc., Mobile, Ala.	92.8, 53.20	WCEX	Fortitude.	96.61, 17.794	WFEF	Fishing Float.	129.3
WAEP	Aero Radio, Inc., U.S.A.	93.09, 53.20	WCEY	Export S.S.Co., Exeter.	54.3, 54, 45.52, 36.19, 35.5, 27.15, 27, 22.09, 18.094	WFEG	Babs.	127.7
WAF	T. R. T. Co., Hialeah, Fla.	28.68	WCEZ	Export S.S.Co., Exeter.	35.5, 27.15, 27, 22.09, 18.094	WFEM	Folly.	127.7
WAG	M. R. T., Bar Harbor, Me.	71.49, 54.3, 34.6, 27.15	WCF	Fire Dept., New York, N. Y.	36.19, 36.01, 35.5, 27.15, 26.71, 22.66, 18.094	WFEN	Panama.	54.3, 54, 36.01, 27.15, 18.007
WAJ	R. C. A., Rocky Point, N. Y.	22.25	WCH	Texas Co., La., Miss., Tex.	187.97	WFEL	Sao Jose.	36.18, 18.094, 18.007
WAM	T. R. T. Co., Hialeah, Fla.	23.16	WCJ	Light Co., Hazleton, Pa.	176.06	WFEM	Santa Margarita.	36.19, 36.01, 35.5, 27.15, 26.71, 22.66, 22.61
WAN	T. R. T. Co., Hialeah, Fla.	70.42	WCK	Police, Detroit, Mich.	94	WFEN	Samoa II.	36.19, 36.01, 35.5, 27.15, 26.71, 22.66, 22.61
WAO	Detroit Edison, Superior, Mich.	94	WCU	Cont. Oil, 3rd Radio Zone.	124.17	WFEP	Senpolia.	54.3, 54, 36.19, 36.01, 18.094, 18.007
WAQ	Westinghouse, Newark, N. J.	44.03	WCY	R. C. A., Cleveland, Ohio.	96.61, 96.15, 72.46, 62.63, 54.35, 48.31, 47.39, 36.23, 35.01, 27.15, 26.775	WFEQ	Ruth L.	54.3, 54, 53.42, 36.01
WAR	U. S. A., Wash., D.C.	18.63, DR 270	WDA	R. C. A., Rocky Point, N. Y.	31.65	WFES	Tappawinga.	127
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	WDB	R. C. A., Rocky Point, N. Y.	44.71	WFEV	Colombus.	14
WAT			WDC	R. C. A., Rocky Point, N. Y.	20.20	WFEW	Mayflower.	54.3, 36.19, 18.007
WAU			WDD	R. C. A., Rocky Point, N. Y.	39.95	WFEX	Holiday.	54.3, 36.19, 18.007
WAX	T. R. T., Hialeah, Fla.	96.61, 96.15, 72.46, 62.69, 48.31, 47.54, 36.23, 35.34, 27.17, 26.67	WDE	Bowdin.	109, 69.56, 34.78, 23.18	WFEX	Little Viking.	54.3, 54
WAZ	R. C. A., New Brunswick, N.J.	20.107	WDEC	Rujeta.	27, 22.66	WFY	Mariposa, Lifeboat No. 1.	54.3
WBB	Texas Co., La., Miss., Tex.		WDED	Caroline.	36.19, 17.794	WFG	Mariposa, Lifeboat No. 2.	54.3
WBCD	New York City, Macon.	178.15	WDEE	Western Enterprise.	176.06	WFF	T. R. T. Co., New Orleans, La.	44.264
WBD	Texas Co., La., Miss., Tex.	176.06	WDEG	Arcadian.	129.3	WFF	Geo. Exp. Co., 3rd Radio Zone.	176.06
WBDP	All Amer. Cable, Guardian.	54.3, 54, 45.52, 45.42, 36.19, 35.5, 27.15, 27,	WDEH	Trawler.	129.3	WFF	Geo. Exp. Co., 3rd Radio Zone.	176.06
WBDR	Oceanic S.S.Co., Sierra.	36.19, 35.5, 26.71, 17.794, 13.575, 13.501, 13.357	WDEI	Marie II.	54.3, 54, 45.32, 27.15, 27, 22.66	WFF	Geo. Exp. Co., 3rd Radio Zone.	176.06
WBDX	Research Co., Big Bill.	200, 175, 105	WDEM	Richard S.	129.3	WFL	Geo. Exp. Co., 3rd Radio Zone.	176.06
WBE	Texas Co., La., Miss., Tex.	176.06	WDES	William L. Mair.	129.3	WFM	Geo. Exp. Co., 3rd Radio Zone.	176.06
WBEC	Yacht, Temptress.	54.3, 54, 35.50	WDET	City of Baltimore, Md.	54.3, 13.501	WFM	Geo. Exp. Co., 3rd Radio Zone.	176.06
WBEF	Export S.S.Co., Echochorda.	54.3, 54, 45.52, 36.19, 35.50, 27.15, 27, 27, 18.004	WDEU	Velero.	54.3	WFN	Geo. Exp. Co., 3rd Radio Zone.	176.06
WBK	W. K. Vanderbilt, Alva.	54.3, 54, 45.52, 45.42, 36.19	WDEW	Edouard Jeremie.	54.3	WFN	Zone No. 8.	176.06
WBK			WDEZ	E. P. No. 6.	129.3	WFO	T. R. T. Co., New Orleans, La.	23.16
WBK			WDFK	Herbert Hoover.	98.15, 71.94, 48.30, 48.23	WFP	Geo. Exp. Co., 3rd Radio Zone.	176.06
WBK			WDKL	Assama.	54.3, 17.79	WFQ	Zone No. 9.	176.06
WBK			WDOL	(Unknown).	129.3	WFR	Geo. Exp. Co., 3rd Radio Zone.	176.06
WBK			WDS	General call, all vessels of Dol-	54.3, 13.501	WFS	Geo. Exp. Co., 3rd Radio Zone.	176.06
WBK			WEA	lar S.S.Co.,	15.87	WFT	Zone No. 14.	176.06
WBK			WEB	R. C. A., Rocky Point, N. Y.	28.27	WFY	Zone No. 15.	176.06
WBK			WEC	R. C. A., Rocky Point, N. Y.	43.29	WFU	D. of C., Spartanburg, S. C.	89.8, 89, 50.51, 50.63
WBK			WED	R. C. A., Rocky Point, N. Y.	33.37	WFV	Tropical Radio Co., Mobile, Ala.	44.22
WBK			WEF	Press Wireless, Hicksville, N. Y.	28.22	WFY	Tropical Radio Co., Mobile, Ala.	28.05
WBK			WEF		43.35	WFT	Tropical Radio Co., Mobile, Ala.	23.13
WBK			WEF	Aero Radio, Inc., Atlanta, Ga.	126.1, 102.66, 101.83, 45.52, 45.45	WFX	Geo. Exp. Co., 3rd Radio Zone.	15.806
WBK			WEF	Aero Radio Corp., Baltimore, Md.	126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WFY	Zone No. 8.	176.06
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WFZ	Zone No. 15.	176.06
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	W. S. Co., 3rd Radio Zone.	176.06
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Dollar Co., New York, N. Y.	40.38, 40.29, 31.88, 27.45, 20.19, 20.15, 15.94, 13.25
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Geo. Research, 3rd Radio Zone.	
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Garden City, N. Y.	
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Fishing Co., Arisona.	132.4, 53.57
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Crosley Fisheries, Irene L.	132.4, 53.57, 96.40
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	California.	129.19, 109.56
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Emma R. S.	72.3, 36.45
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Southern Star.	29.19
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Whitespray.	128.8, 96.61, 96.8, 36.23, 36.01
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	U. S. Lines, Amer. Importer.	36.19, 35.5, 27.15, 27, 22.66
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Mariposa.	54.39, 18.007
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Walle.	129.2, 127.7, 127.01, 109.57
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Galaxy.	
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Gertrude S.	118.20
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Cascadian.	109.56
WBK			WEF		126.1, 102.66, 101.83, 100.46, 72.64, 53.07, 45.52, 45.45	WGA	Irene L.	194.8, 116.91, 109.55

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

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....	94.93
WGO	R. C. A., Chicago, Ill.....	96.61, 95.15, 72.46,	WKD	Haida.....	187.97	WNAK	Aero Radio, Litchfield, Ohio.	94.9
		62.63, 54.35, 48.31,	WKDT	Fire Dept., Detroit, Mich.	187.97	WNAM	Aero Radio, Bellefonte, Pa....	94.9
		47.39, 36.23, 35.01,	WKDU	Police, Cincinnati, Ohio.	175.23	WNAO	Aero Radio, Summit, N. J....	94.9
		27.17, 26.775	WKDX	Plant Dept., New York, N. Y.	178.50	WNAU	Aero Radio, Moline, Ill....	A1-2-3, 94.9, 94.75,
WGPA	Police, Seattle, Wash.....	124.17	WKE	M. R. T. Co., Sayville, N. Y.	20.375		94.57, 84.38, 63.88,	
WGT	R. C. A., San Juan, P. R.	21.77	WKF	A. T. & T. Co., Lawrence-			63	
WGU	R. C. A., San Juan, P. R.	44.85	WKH	ville, N. J.....	15.61	WNB	A. T. & T. Co., Lawrenceville,	44.41, 28.44
WGW	Vieques, Porto Rico.....	52, 188.44, 186.3	WKI	M. R. T. Co., Sayville, N. Y.	20.335	WNBD	N. J.....	54.3, 36.19, 36.01,
		54.29, 46.04		Sayville, N. Y.....	60.23, 68.18, 68.10,		35.5, 27.15, 26.71,	
WHD	N. Y. Times, New York City.	53.14, 45.84, 36.36,			68.02, 67.93, 50.20,		22.66	
		26.64, 18.18			50.15, 50.08, 39.15,			
WHDQ	Ulua.....	115.96			38.75, 38.70, 33.41,			
WHDS	Rideout Co., Penguin.....	35.45, 35.01			29.50, 27.73, 27.55,			
WHDX	Helena.....	129.10, 109.56	WKJ	R. C. A., Rocky Point, N. Y.	31.71	WNBG	S. S. Thorpe.....	96.15, 71.94, 48.30,
WHED	Demali.....	129.19, 109.37	WKK	A. T. & T. Co., Lawrence-			48.23	
WHEE	Folly II.....	129.3, 127.7, 127.01,		ville, N. J.....	14.01	WNBT	Katherine.....	129.3
WHEG	Paladini.....	109.57	WKL	R. C. A., Rocky Point, N. Y.	33.55	WNCS	Panama Line, S. S. Santa Isabele.....	36.19, 35.5, 27.15,
WHEH	Paladini.....	129.10, 109.56	WKM	R. C. A., Rocky Point, N. Y.	15.907	WNCW	Panama Mail, Santa Oliva...	26.71, 22.66, 18.08
WHEJ	A. E. Williams.....	129.3, 127.7, 127.01,	WKN	A. T. & T. Co., Lawrenceville,			35.5, 27.15, 22.66,	
		109.57		N. J.....	15.136		18.09, 18.007	
WHEK	Baracuda.....		WKO	R. C. A., Rocky Point, N. Y.	18.78	WNE	Light Co., Beaufort, Fla....	94.
WHEL	T. G. Condare.....	129.19, 109.56	WKP	R. C. A., Rocky Point, N. Y.	43.16	WNF	Light Co., Lakeland, Fla....	94.
WHEP	F. C. Denby.....	129.19	WKQ	R. C. A., New Brunswick, N. J.	18.75	WNG	Light Co., West Palm Beach, Fla.....	94.
WHG	Aero Radio, Inc., Columbus, Ohio.....	97.33, 86.5, 54.44,	WKR	M. R. T. Co., Sayville, N. Y.	17.503	WNH	Light Co., Miami, Fla.....	94.
		47.13, 37.43, 24.63	WKS	M. R. T. Co., Sayville, N. Y.	16.988	WNI	D. of C. Moline, Ill.....	89.6, 89, 50.51, 50.34
WHM	Aero Radio, Indianapolis, Ind.	97.33, 86.5, 54.44,	WKU	R. C. A., Rocky Point, N. Y.	20.22	WNJ	D. of C. Moline, Ill.....	89.6, 89, 50.51, 50.34
		47.13, 37.43, 24.63	WKV	M. R. T. Co., Sayville, N. Y.	33.37	WNM	Light Co., Lake City, Fla....	94.
WHR	R. C. A., Rocky Point, N. Y.	22.35	WKW	R. C. A., Rocky Point, N. Y.	19.423	WNN	Tropical Radio, Mobile, Ala....	96.61, 96.15, 72.46,
WHV	Light Co., Newark, N. J.....	94.9, 94.8, 94.6, 94.4,	WLA	A. T. & T. Co., Lawrenceville,			62.68, 48.31, 47.77,	
		94.2, 92.65, 92.5		N. J.....	16.358		27.17, 26.63, 18.116,	
WHZ	D. of C., Atlanta, Ga.....	88.8, 89, 50.63, 50.51	WLC	Rogers City, Mich.....	72.9, 34.76		1.7.6.8, 1.3.5.8.7,	
WIB	M. R. T. Co., Sayville, N. Y.	44.02	WLQ	City of Newport News.....			13.333	
WIC	M. R. T. Co., Sayville, N. Y.	39.11	WLE	C. S. Army, Boston, Mass....	42.92	WNP	Light Co., Palatka, Fla....	94.
WID	M. R. T. Co., Sayville, N. Y.	38.81	WLF	Wilsonville, Pa.....	136.9	WNQ	Light Co., Fort Lauderdale, Fla.....	94.
WIDE	Booth Fisheries, Kiska.....	129.3	WLG	Blyro, Kentucky.....		WNR	D. of C., Richmond, Va....	89.6, 89, 50.65, 50.51
WIDH	Yacht Buccaneer, Great Lakes	87.3, 72.32	WLH	U. S. Army, Columbus, Ohio.	42.92	WNS	Light Co., Punta Gorda, Fla....	94.
WIDI	Mikimiki.....	115.55	WLI	Cleveland, Ohio.....		WNT	Light Co., Sanford, Fla....	94.
WIDJ	Tempress, Hawaii.....	54.3, 36.19, 27.15,	WLIA	Santa Teresa, U. S. A....		WNU	Tropical Radio, New Orleans, La.....	96.61, 96.15, 72.46,
		22.66, 18.09, 17.79	WLJ	U. S. Army, San Antonio, Tex.	42.92		62.68, 48.31, 47.77,	
WIDK	Beryl E.....	129.3	WLK	A. T. & T. Co., Lawrenceville,			27.17, 26.63, 18.116,	
WIDL	Alaska Salmon Co., Leonine.....	129.3		N. J.....	18.44		1.7.6.8, 1.3.5.8.7,	
WIDM	Alaska Salmon Co., Sally S.....	129.3	WLL	R. C. A., Rocky Point, N. Y.	16.76		13.333	
WIDQ	Packing Co., Rudolf N.....	129.3	WLM	U. S. Army, Wash., D. C....	42.92			
WIDR	Packing Co., Hazel Robb.....	129.3	WLN	U. S. Army, Governors Is., New York City.....	42.92	WNV	Light Co., St. Augustine, Fla....	94.
WIDS	Packing Co., Barron F.....	129.3	WLP	Light Co., Minneapolis, Minn.....	94	WNW	Philadelphia, Pa.....	72.886, 13.538
WIDT	Packing Corp., Sacco.....	129.3	WLQ	U. S. Army, Ft. Howard, Md....	42.92	WNX	Light Co., Daytona Beach, Fla.....	94.
WIEA	M. R. T. Co., Sayville, N. Y.	38.74	WLR	U. S. Army, Atlanta, Ga....	42.92	WNY	Brooklyn, N. Y.....	71.63
WIEP	Manhattan.....		WLTI	U. S. Army, Chicago, Ill....	42.92	WNZ	Light Co., Fort Pierce, Fla....	94.
WIF	Gertrude Fanei.....		WLWU	U. S. Army, Omaha, Neb....	42.92	WOA	A. T. & T. Co., Lawrenceville, N. J.....	44.41
WIG	M. R. T. Co., Sayville, N. Y.	38.7	WLWV	U. S. Army, San Francisco, Cal.....	42.92	WOB	A. T. & T. Co., Lawrenceville, N. J.....	44.41
WIH	M. R. T. Co., Sayville, N. Y.	38.66	WLX	U. S. Army, Zamboanga, P. I.	69.70, 34.84	WOBL	Inland Waterway, Genl. Ashburn.....	37.22
WII	M. R. T. Co., Sayville, N. Y.	37.15	WLY	U. S. Army, Fort Monmouth, N. J.....	42.92	WOBM	C. C. Webber.....	96.15, 71.94, 48.38, 48.23
WIJ	M. R. T. Co., Sayville, N. Y.	33.44	WMA	A. T. & T. Co., Lawrenceville, N. J.....	22.4	WOBP	Iolanda.....	72.3
WIK	R. C. A., Rocky Point, N. Y.	21.53	WMBN!	Happy Days.....	18.054	WOBW	Nippekonta.....	109.3
WIM	R. C. A., Chatham, Mass.....	74.3	WMBT	G. H. Phelps, Skagway.....	109.34.78	WOZB	Mimi.....	35.5, 27.15, 26.71,
WIN	M. R. T. Co., Sayville, N. Y.	33.41	WMCE	Matson Navig. Co., Matolo.....	54.3, 54, 36.19, 35.50,	WOOK	Antares.....	23.06, 17.705
WIO	M. R. T. Co., Sayville, N. Y.	33.08			27.15, 26.71, 22.66,			
WIQ	R. C. A., Rocky Point, N. Y.	70.15			18.10			
WIR	R. C. A., Rocky Point, N. Y.	30.75, 18.85	WMDI	Amer. Line, California.....	54.3, 36.19, 36.01,	WOF	A. T. & T. Co., Lawrenceville, N. J.....	30.77
WIT	M. R. T. Co., Sayville, N. Y.	32.29	WMDB	Santa Clara.....	35.05, 27.15, 22.66,	WOH	A. T. & T. Co., Bradley, Me....	69.5 to 66.55
WIU	M. R. T. Co., Sayville, N. Y.	29.5	WMDC	Olive K.....	26.71	WON	A. T. & T. Co., Lawrenceville, N. J.....	28.44
WIV	M. R. T. Co., Sayville, N. Y.	28.06		Jeanne.....	54.3, 54, 53.42	WOO	A. T. & T. Co., Deal Beach, N. J.....	30.4
WIW	M. R. T. Co., Sayville, N. Y.	27.75		Skasta.....	54.3, 54, 36.01			
WIX	M. R. T. Co., Sayville, N. Y.	27.73	WMDI	S. O. Co., Far West Fisheries	129.3	WOP	R. C. A., Rocky Point, N. Y....	21.58
WIY	R. C. A., Rocky Point, N. Y.	21.62	WMDQ	Amer. Lines, Pennsylvania.....	54.3, 54, 36.19, 35.55,	WOU	N. E. T. & T. Co., Marshfield, Mass.....	115.8
WIZ	R. C. A., New Brunswick, N. J.	43.07	WMDU	Pan Am. Air., San Juan, P. R.	15.974	WOX	N. Y. Tel. Co., New York, N. Y.....	179.43
WJA	Press Wireless, Chicago, Ill.	30.75, 18.85	WMDW	Santa Monica.....	54.3, 54, 36.19, 35.55,			
WJC	Press Wireless, Chicago, Ill.	38.36, 19.18			27.15, 26.71, 22.66,			
WJD	Intl. News, New York City.....	37.01	WMDZ	Police, Indianapolis, Ind....	122.85			
WJDE	Inland Water, Dwight Davis.....	87.7, 45.52	WME	M. R. T. Co., Sayville, N. Y.	15.253	WPA	Comm. Radio Telephone ship to shore, N. Y. C....	87.66
WJDF	Migrant.....	36.19, 36.01, 35.51,	WMG	M. R. T. Co., Sayville, N. Y.	15.337		Telephone Channel	54.3, 46.47, 35.84, 25.75, 23.68, 18.09
		27.15, 26.71, 22.66,	WMF	A. T. & T. Co., Lawrenceville, N. J.....	20.73		R. C. A., Port Arthur, Texas....	13.74, 13.57
WJDM	Sartartia.....	54.3, 54, 36.19, 27.15,	WMJ	Police, Buffalo, N. Y.....	124.17	WPBD	General Call for all P. A. A. Ships	
		27	WMK	M. R. T. Co., Sayville, N. Y.	15.322	WPBS	Interlakes Co., Chas. M. Schwab.....	54.3, 54, 53.42, 36.01
WJDS	Boy Scouts, Ballantyne.....	109.3, 87.7	WML	M. R. T. Co., Sayville, N. Y.	44.82, 14.03	WPBT	Pat Dokeny.....	
WJE	M. R. T. Co., Sayville, N. Y.	27	WMM	M. R. T. Co., Sayville, N. Y.	15.291	WPBV	David P. Fleming.....	118.89, 117.2, 116.19
WJEC	Harvard Seismograph Sta.....	187.27, 184.28, 181.6	WMN	A. T. & T. Co., Lawrenceville, N. J.....	20.56	WPBW	Santa Barbara.....	109.
WJEE	Portable on Brown Chain			N. J.....	124.27	WPCL	C. R. Runyon, Jr., Osprey III	54.3, 17.794
WJF	Press Wireless, New Orleans, La.	39.35			190.6	WPDM	Santa Maria.....	96.61, 95.2, 54.35, 36.23, 34.72
WJG	Press Wireless, Philadelphia, Pa.		WMO	M. R. T. Co., Sayville, N. Y.	15.198			
WJH	M. R. T. Co., Sayville, N. Y.	40.79	WMP	M. R. T. Co., Sayville, N. Y.	18.116, 13.587	WPDD	Police, Cleveland, Ohio....	124.27
WJO	City of Norfolk.....	23.05	WMQ	Mass. State Police, Boston.....	14.778	WPDC	Police, Chicago, Ill....	175.23
WJJ	M. R. T. Co., Sayville, N. Y.	23.02	WMR	M. R. T. Co., Sayville, N. Y.	38.58, 15.16	WPDE	Police, Chicago, Ill....	175.23
WJK	Press Wireless, Newton, Mass.	40.79, 19.03		Linden, N. J.....	15.167	WPDF	Police, Louisville, Ky....	122.85
WJM	Press Wireless, Wash., D. C.	39.27	WMV	Southern Radio Corp., Linden, N. J.....	14.299	WPDG	Police, Flint, Mich....	122.85
WJO	Press Wireless, Little Neck, N. Y.	39.27		West Palm Beach, Fla.....	68.02, 50.083	WPDH	Police, Youngstown, Ohio....	124.17
WJP	Press Wireless, Little Neck, N. Y.	37.85	WMS	M. R. T. Co., Sayville, N. Y.	96.61, 95.15, 54.35,	WPDI	Police, Richmond, Ind....	122.85
WJQ	Press Wireless, Little Neck, N. Y.	38.29, 19.145	WMU		36.23, 35.8, 34.6,	WPDL	County Comm., Columbus, Ohio.....	123.45
WJS	Press Wireless, Little Neck, N. Y.	38.22, 19.10	WMV		27.15, 26.95,	WPDM	Police, Milwaukee, Wis....	122.44
WJT	R. C. A., San Juan, P. R.	65.3, 70.15					City of Lansing, Mich....	122.85
WJU	Press Wireless, Little Neck, N. Y.	40.87					Police, Dayton, Ohio....	124.17
WJV	M. R. T. Co., Sayville, N. Y.	21.49						
WJX	M. R. T. Co., Sayville, N. J.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						
WKD	P. A. A., Miami, Fla.....	97.71, 52.72, 24.57,	WNA	A. T. & T. Co., Lawrenceville, N. J.....	32.72	WPDK		
		13.03.2, 9.7.5.2,	WNAI	N. W. Gravel Co., Fred W. Green.....	54.3, 54, 53.42, 36.01	WPDL		
		72.74, 46.91, 37.43,				WPDM		
		47.24						

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

13

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
WPDN	City of Auburn, N. Y.	175.23	WRDB	Press Wireless, Wash., D. C.	63.23, 60.54, 56.70, 56.02	WSDP	Aero Radio, Inc., Columbus, Ohio	A1-2-3, 128.97, 127.98, 92.64, 92.47, 86.9, 86.7, 86.5, 86.1, 72.40, 53.57, 56.29, 47.82, 47.8
WPDO	Police, Akron, Ohio	122.05	WRDC	Press Wireless, Chicago, Ill.	63.35, 60.91, 60.42, 60.05, 56.55			
WPDP	Police, Philadelphia, Pa.	121.5	WRDD	Press Wireless, Atlanta, Ga.	60.66			
WPDR	City of Rochester, N. Y.	122.05	WRDE	Press Wireless, Cleveland, O.	60.06			
WPDS	Police, St. Paul, Minn.	124.17	WRDF	Press Wireless, Memphis, Tenn.	60.54	WSDQ	Aero Radio, Inc., Cleveland, Ohio	A1-2-3, 129.53, 127.33, 92.8, 92.09, 87.02, 85.77, 85.52, 86.08, 72.9, 61, 53.55, 53.45, 53.26, 45.87, 45.73, 37.43
WPDT	Police, Kokomo, Ind.	121.5						
WPDU	Police, Pittsburgh, Pa.	175.23						
WPDV	Police, Charlotte, N. C.	122.05						
WPDX	Police, Detroit, Mich.	124.05	WRDG	Press Wireless, Detroit, Mich.	63.43			
WPDX	Police, Atlanta, Ga.	124.27	WRDH	Press Wireless, Miami, Fla.	60.30			
WPDZ	Police, Fort Wayne, Ind.	121.05	WRDI	Press Wireless, Phila., Pa.	63.22			
WPE	R. C. A., Rocky Point, N. Y.	21.67	WRDJ	Press Wireless, Newtown Falls, Mass.	63.63, 56.12			
WPEA	Police, Syracuse, N. Y.	175.23	WRDK	Press Wireless, Little Neck, N. Y.	63.49, 60.79, 60.18, 56.23	WSDR	Aero Radio, Inc., Madison, Wis.	112.44, 112.28, 105.12, 99.83, 55.8
WPEC	Police, Grand Rapids, Mich.	122.85	WRDL	Press Wireless, New Orleans, La.	56.55			
WPED	Police, Memphis, Tenn.	121.05	WRDM	P. A. A., Wash., D. C.	112.69, 97.71, 52.72	WSDS	Aero Radio, Inc., Chicago, Ill.	112.44, 112.28, 105.12, 99.83, 55.8
WPEE	Police, Arlington, Mass.	175.23	WRDQ	Police, Toledo, Ohio.	121.5			
WPEF	Police, New York, N. Y.	122.4	WRDR	Police, Grosse Pt., Mich.	124.27	WSDZ	Aero Radio, Inc., Indianapolis, Ind.	72.9, 61, 55.55, 53.45, 54.26, 45.87, 45.8, 45.73, 37.43, 127.33, 93.09, 92.8, 92.52, 92.09, 87.02, 86.77, 86.52, 86.08, 36.23, 35.76, 34.6, 27.17, 26.99, 24.15, 2.3, 8.4, 1.8, 1.16, 1.7.8 8, 1.3.75 1, 13.587
WPEH	Police, Somerville, Mass.	175.23	WRDS	State Police, Ingahn, Mich.	190.6			
WPEI	Police, Providence, R. I.	175.23	WRDU	Fire Dept., Brooklyn, N. Y.	187.9			
WPEJ	Police, Brookline, Mass.	175.23	WRDX	Kilna	54.3, 54, 35.19, 27.15, 26.71, 18.09, 17.794			
WPEK	Police, New Orleans, La.	123.5		Graepus	54.3, 54, 45.42			
WPEL	Police, Middleboro, Mass.	190.6						
WPEM	Police, Woonsocket, R. I.	123						
WPEQ	Police, Baton Rouge, La.	190.5						
WPES	Police, Saginaw, Mich.	122.85						
WPET	Police, Lexington, Ky.	175.23						
WPEW	Police, Northampton, Mass.	190.6						
WPEZ	Police, Framingham, Mass.	190.6						
WPGW	Police, Wash., D. C.	124.05	WRJ	D. of C., Poo Reef L. H., Mich.	88			
WPH	Williamsport, Pa.	94	WRK	P. A. A., Calais, Me.	112.7, 97.71, 72.04, 52.72, 47.58, 47.43	WSP	D. of C., La Crosse, Wis.	89, 88.5, 50.51, 50.42
WPI	Inland Waters, Memphis, Tenn.	87.7, 46.95	WRK	R. C. A., Duluth, Minn.	96.51, 96.15, 72.45, 62.63, 54.35, 48.31, 47.39, 36.23, 35.01, 27.17, 26.775	WSL	M. R. T. Co., Sayville, N. Y.	96.61, 96.15, 54.35, 54, 48.31, 47.85, 36.23, 35.76, 34.6, 27.17, 26.99, 24.15, 2.3, 8.4, 1.8, 1.16, 1.7.8 8, 1.3.75 1, 13.587
WPL	Light Co., St. Croix Falls, Wis.	34	WRL					
WPM	Birmingham, Ala.	37.7, 46.05						
WPW	Globe Wireless, Garden City, N. Y.	36.61, 96.15, 54.35, 48.31, 46.8, 36.23, 34.52, 27.17, 26.56, 24.15, 24.01, 18.11, 1.7.9 21, 1.3.6 6 7, 13.587	WRP	Pinecrest, Fla.	187.97	WSP	D. of C., Atlantic Coast	150, 133
WPS			WRUD	Fire Dept., New York, N. Y.	89.8, 89, 50.51, 50.63	WSX	D. of C., Atlantic Coast	150, 133
WPET			WRW	Glady's II	54.3, 54, 36.19	WTA	D. of C., Atlantic Coast	150, 133
WPW			WSBD	Nakum	129.3		D. of C., Dry Tortugas L. H., Fla.	88
WPB	Mobile, Ala.	87.7, 46.05	WSBM	U. S. Lines, Leviathan	95.9, 71.8, 33.98, 22.71, 17.007	WTD	U. S. Army, Marshfield, Cal.	87.42, 33.75, 22.5
WPV	Light Co., Marysville, Mich.	94	WSBU	Amica	54.3, 54, 36.19, 35.5, 27.15, 27, 26.71	WTDK	Harbor Trader	88.62
WQA	R. C. A., Rocky Point, N. Y.	14.13			22.65	WTDL	U. S. Customs Patrol No. 522	88.92
WQB	R. C. A., Rocky Point, N. Y.	16.72				WTDM	U. S. Customs Patrol No. 533	88.92
WQBD	Seyelyn	69.56, 34.78	WSBW	Panama Pacific, Virginia	54.3, 36, 31.9, 36.01, 35.5, 27.15, 26.71	WTDR	Kittiwake	67, 54
WQBG	Lambert	54.3, 54, 36.19, 27.15, 27			22.65	WTDF	D. of C., Gilbert	72.55, 36.28
WQBK	Trans. Co., Capt. Williams	109.5	WSC	R. C. A., Tuckerton, N. J.	36.61, 96.15, 54.35, 54.45, 48.31, 47.32, 47.24, 36.23, 35.59, 27.17, 26.845	WTEI	D. of C., Hydrographer	72.55, 36.28
WQBS	Trans. Co., Louise Black	109			26.775	WTEJ	D. of C., Lydonia	45.25, 37.97
WQBX	Seattle Fire Dept., Black	187.97				WTER	Pathfinder, U. S. A.	38.58, 15.167
WQC	R. C. A., Rocky Point, N. Y.	16.79				WTF	Firestone, Akron, Ohio	74.44, 37.22
WQCP	Keleuk	46.88, 36.05, 23.73				WTI	U. S. A., Vancouver, Wash.	74.44, 37.22
WQCT	Union Line, Frieda	54.3, 54, 45.52, 45.42, 36.19, 35.56, 27.15, 27, 23.06, 19.007	WSDB	Aero Radio, Jackson, Miss.	128.97, 127.98, 86.9, 86.7, 85.5, 86.1, 72.45, 53.98, 47.92, 47.3	WTJ	Fort Shafter, Hawaii, T. H.	73.53, 36.76, 24.51, 18.38, 14.68
WQCV	Avalon	109.5	WSDC	Newark, N. J.	36.10, 56.29, 36.10, 53.57	WTO	Fort Kamehameha, Honolulu, T. H.	18.38
WQCY	W. W. Minnesota	87.7, 46.05	WSDD	Boston, Mass.	92.64, 53.57	WTP	Fort Ruger, Hawaii, T. H.	18.38
WQD	R. C. A., Rocky Point, N. Y.	15.82	WSDE	Aero Radio, Birmingham, Ala.	36.10, 53.29	WTS	U. S. A., Denver, Colo.	73.35, 36.67
WQDB	Flow	129.19, 127, 109.56	WSDF	Aero Radio, Inc., Louisville, Ky.	129.53, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WTW	R. C. A., Rocky Point, N. Y.	15.83
WQDC	J. P. Morgan, Corsair	36.19, 35.30, 27.15, 26.71, 22.06			86.08, 72.9, 61, 53.55, 53.45, 53.26, 45.87, 45.8, 45.73, 37.43	WTX	Fort Monmouth, N. J.	42.92
WQDF	Aero Radio, Inc., Atlanta, Ga.	85.10, 63.57			128.97, 127.98, 86.9, 86.7, 85.5, 86.1, 72.45, 53.98, 47.92, 47.3	WTZ	Fort McKinley, P. I.	69.7, 34.84
WQDO	Gaddily II	54.3, 54, 36.19, 27.15, 27	WSDG	Aero Radio, Inc., Chicago, Ill.	129.53, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUAG	Fort Sill, Okla.	73.35, 36.67
WQDP	Aero Radio, Inc., Atlanta, Ga.	72.9, 61, 53.55, 53.45, 53.26, 45.87, 45.8, 45.73, 37.43			128.97, 127.98, 86.9, 86.7, 85.5, 86.1, 72.45, 53.98, 47.92, 47.3	WUO	U. S. A. T., Meigs	18.38
WQDQ	Aero Radio, Inc., New Orleans, La.	128.97, 127.93, 72.46, 47.92, 47.80	WSDH	Aero Radio, Inc., Nashville, Tenn.	128.97, 127.98, 86.9, 86.7, 85.5, 86.1, 72.45, 53.98, 47.92, 47.3	WUAI	U. S. A. T., Merritt	18.38
WQDR	Rene	36.19, 35.35, 27.15, 27, 26.71, 22.66			128.97, 127.98, 86.9, 86.7, 85.5, 86.1, 72.45, 53.98, 47.92, 47.3	WUAJ	U. S. A. T., Thomas	73.35, 36.67
WQDZ	J. P. Morgan, Corsair	36.19, 35.30, 27.15, 26.71, 22.65	WSDI	Aero Radio, Inc., Cincinnati, Ohio	128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUAL	U. S. A. T., Delwood	69.7, 34.84
WQE	R. C. A., Rocky Point, N. Y.	18.85			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUAM	U. S. A. T., Ludington	73.35, 36.67
WQF	R. C. A., Rocky Point, N. Y.	16.74			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUB	U. S. A. T., Republic	70.50, 35.25, 23.50
WQG	R. C. A., Rocky Point, N. Y.	19.94			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUC	Fort Hancock, Sandy Hook, N. J.	70.51, 35.25, 23.5, 17.62
WQH	R. C. A., Rocky Point, N. Y.	15.29			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUCG	Port Wright, N. Y.	
WQI	R. C. A., Rocky Point, N. Y.	16.77			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	Aero Radio Inc., Chicago, Ill.	A1-2-3, 94.9, 94.75, 94.57, 94.39, 93.88, 53	
WQJ	R. C. A., Rocky Point, N. Y.	14.12			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUE	Fort George, Wright, Wash.	74.44, 37.22
WQK	R. C. A., Rocky Point, N. Y.	16.46	WSDK	Aero Radio, Inc., Memphis, Tenn.	128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUG	U. S. A., Camp Maria, Tex.	73.35, 36.67
WQL	R. C. A., Rocky Point, N. Y.	20.25	WSDL	Aero Radio, Inc., Duluth, Minn.	128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUH	Fort McIntosh, Texas	
WQN	R. C. A., Rocky Point, L. I.	57, 54, 50.5, 51.05	WSDM	Aero Radio, Inc., Albany, N. Y.	128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUJ	Fort Riley, Kansas	67.72, 33.86
WQD	R. C. A., Rocky Point, N. Y.	44.61			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUW	Fort Lewis, Wash.	74.44, 37.22
WQP	R. C. A., Rocky Point, N. Y.	21.58			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUL	Fort Totten, N. Y.	
WQQ	R. C. A., Rocky Point, N. Y.	14.8			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUM	Tucson, Ariz.	73.35, 67.42, 36.67, 33.75, 22.5
WQR	R. C. A., Rocky Point, N. Y.	18.73			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUU	Aberdeen Prov., Grds., Md.	
WQS	R. C. A., Rocky Point, N. Y.	21.55	WSDN	Aero Radio, Inc., Syracuse, N. Y.	128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUO	Fort Benning, Ga.	
WQT	R. C. A., New Brunswick, N.J.	21.60			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUP	Fort Mills, P. I.	
WQU	R. C. A., Rocky Point, N. Y.	21.65			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUQ	Yuma, Ariz.	
WQW	R. C. A., Rocky Point, N. Y.	20.27			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUR	For McFadden, Ala.	
WQW	R. C. A., Rocky Point, N. Y.	14.08			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUT	Fort Oglethorpe, Ga.	
WQX	R. C. A., Rocky Point, N. Y.	14.86			128.97, 127.33, 93.09, 92.8, 92.52, 92.09, 92.09, 86.7, 86.5, 86.1, 86.08, 86.5, 86.1, 86.08, 86.52, 80.08	WUU	Fort Story, Va.	
WQY	R. C. A., Rocky Point, N. Y.	14.92</td						

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
WVL	U. S. A., Canal Zone, Panama	68.7, 34.36, 22.91, 17.18, 12.24, 12.22	CFH	Halifax, N. S.	100, 185.2, 109.5, 90, 85.7, 48.02	CML	Santiago	55, 43, 25
WVM	U. S. A., Monterey, Calif.	67.57, 33.78	CFI	Woman Lake, Ont.	100, 185.2, 109.5, 90, 85.7, 62.82, 42.02	CMM	Matanzas	40
WVN	U. S. A., Tientsin, China	67.72, 33.86, 22.57, 16.93	CFJ	Red Lake, Ont.	100, 185.2, 109.5, 90, 85.7, 62.82, 42.02	CMO	Santiago	40
WVO	U. S. A., Boston, Mass.	67.5, 53.75, 67.45, 42.92	CFL	Tabouret, B. C.	185.2	CMP	Isle de Pines	40
WVP	Governors Isl., N. Y. City	42.92	CFM	Manicougan River, P. Q.	175.3, 124.17, 86.7, 62.82, 46.7	CMR	Pinar del Rio	40
WVR	Fort McPherson, Ga.	69.61, 42.92, 34.80	CFN	Grande Prairie, Alberta	175.3, 124.17, 86.7, 62.82, 46.7	CMS	St. Clara	40
WVT	Chicago, Ill.	68.49, 42.92, 34.25, 22.83	CFO	Lethbridge, Alberta	175.3, 124.17, 86.7, 62.82, 46.7	CMV	Camaguey	40
WVU	Fort Omaha, Nebr.	67.57, 42.92, 33.78, 22.52	CFQ	Edmonton, Alta.	98.7, 39.74	CMX	Havana	40
WVW	Fort D. C. Russel, Wyoming	73.35, 36.67	CFR	Edmonton, Alta.	98.7, 39.74	CMZ	Havana	40
WVX	Fort Douglas, Salt Lake City, Utah	74.45, 37.22, 34.88, DR90	CFTS	Mill Bay, B. C.	197.4, 131	CM2LA	Havana	29.98
WVY	U. S. A., San Francisco, Calif.	73.53, 42.92, 36.76	CFU	Toronto, Ont.	48.8	CM2MK	Havana	31.9, 32
WWA	D. of C. Radio Test Car No. 1, Var.	89, 88.8, 50.59, 50.34	CFV	Peace River, Alb.	175.3, 124.17, 86.7, 62.82, 46.7	CM5XJ	Cent. Tuiniciu	19.99
WWAB	D. of C., Buffalo, N. Y.	89, 88.8, 50.59, 50.34	CFW	Bones Bay, B. C.	189.9, 131	CNA—CNZ MOROCCO		
WWAC	D. of C., Nashville, Tenn.	89, 88.2, 50.68, 50.51	CFX	Saintn Inlet, B. C.	197.4, 131	CNC	Tangier	55, 43, 25
WWAH	D. of C., Albany, N. Y.	89, 88.8, 50.59, 50.51	CFY	Rivers Inlet, B. C.	197.4, 131	CND	Agadir	55, 43, 25
WWAJ	D. of C., Manitou Isl., Mich.	88	CFZ	Claxton, B. C.	197.4, 131	CNE	Rabat	44, 36
WWAK	D. of C., Anacapa Light, Cal.	121.70	CGA	Drummondville, Ont.	185.2, 109.5, 90, 86.7, 62.82, 46.7	CNM	Rabat	55, 43, 27, 25
WWAM	D. of C., Rock of Ages, Mich.	88	CGB	Drummondville, Ont.	16.50, 26.00, 32.13	CNO	Casablanca Caxes	23.38, 32.26, A2-3, 84
WWAO	D. of C., Huron Is., Mich.	88	CGD	Phone Channel to England	52.82	CNR	Rabat	23.38, 32.26, A2-3, 84
WWAP	D. of C., Pittsburgh, Pa.	89, 88.8, 50.53, 50.51	CGD	Gold Lake, Man.	146.3, 142.9	CNW	Tanger	90
WWAQ	D. of C., Jackson, Miss.	89, 88.62, 50.58, 50.51	CGDJ	Drummondville, Ont.	198.7	CPA—CPZ BOLIVIA		
WWAR	D. of C., Jackson, Miss.	89, 88.9, 50.53, 50.51	CGE	Canadian Pacific Monarch.	39.74	CPAB	Bermejo	
WWAS	D. of C., Cincinnati, Ohio	89, 88.62, 50.58, 50.51	CGF	Selkirk Mines, Man.	135, 62.82	CPAC	Canieri	
WWAT	D. of C., Birmingham, Ala.	89, 88.62, 50.58, 50.51	CGFW	The Pas, Man.	181.8, 127.7	CPAD	Camatindi	
WWAU	D. of C., Jackson, Mich.	89.6, 89, 50.51, 50.34	CGH	Hebreidean	181.8, 127.7	CPAL	La Paz	58.18, 52.63, 50.42, 40.11, 20.067, 16.322
WWAV	D. of C.	89.8, 89, 50.03, 50.51	CGJ	Nauphila	148.5	CPAM	Machaceti	58.18, 52.63, 50.42, 16.322, 34.60, 30.64, 40.11, 20.067
WWAW	D. of C., Charleston, S. C.	89.8, 89, 50.03, 50.51	CGK	The Pas, Man.	175.3, 124.17, 86.7, 62.82, 46.7	CPAY	Yacuiba	58.18, 52.63, 50.42, 16.322, 34.60, 30.64, 40.11, 20.067
WWAY	D. of C., Spectacle Reef, Mich.	88	CGL	Edmonton, Alb.	175.3, 124.17, 86.7, 62.82, 46.7	CPB	La Paz	58.18, 52.63, 50.42, 40.11, 20.067
WWB	D. of C., Baltimore, Md.	88	CGM	Hudson, Ont.	41, 62.82	CPL	Santa Cruz	34.60, 30.64
WWBY	D. of C., Martins Reef, Mich.	88	CGO	Winnipeg, Man.	198.7	CPS	La Paz	16.322
WWC	D. of C., Radio Test Car No. 6	88	CGP	Montreal, Que.	66.96	CPT	La Paz	58.18, 52.63, 50.42, 16.322, 34.60, 30.64, 40.11, 20.067
WWE	Fourteen Fort Shoal, Mich.	88	CGQ	Ocean Falls, B. C.	195.8, 188.0, 185.2	CPU	Marchareta	58.18, 52.63, 50.42, 16.322, 34.60, 30.64, 40.11, 20.067
WWG	D. of C., Cheboygan Range, Mich.	88	CGS	Term Point, N. W. T.	175.3, 124.17, 86.7, 62.82, 46.7	CPV	Yacuiba	58.18, 52.63, 50.42, 16.322, 34.60, 30.64, 40.11, 20.067
WWH	D. of C., Stannard Light, Mich.	88	CGSN	Lac La Ronge, Sask.	195.8, 180, 185.2	CQA—CQZ—CRA—CRZ PORTUGUESE COLONIES		
WWM	D. of C., Marquette Light, Mich.	88	CGSR	Calgary, P. Q.	43.88, 36.3, 23.4	CQA	Beira, Mozambique	34
WWN	D. of C., Detroit, Mich.	88	CGT	McLean	55.50	CQG	Guelmene, Mozambique	30
WWO	D. of C., Cleveland, Ohio	89.3, 89, 50.54, 50.51	CGV	Campbell River, Can.	195.8, 188, 185.2	CQJ	Macau, Macau	21.5
WWQ	D. of C., Bellefonte, Pa.	89.8, 89, 50.53, 50.51	CGY	Waskesin, Sask.	198.7	CQK	Macau, Macau	32.5
WWR	D. of C., Detroit, Mich.	88	CGZ	Yamachiche, P. Q.	148.5	CRAP	Lowrence, Mozambique	31.6
WWU	D. of C., Hadley Field, N. J.	89.6, 89, 50.68, 50.51	CJA	Flin Flou Mine, Man.	198.7	CRAT	Porto Amelia, Mozambique	30.3
WWX	D. of C., Wash., D. C.	24	CJC	Drummondville, Ont.	198.7	CRAX	Vila Francisco, Mozambique	30.3
WWY	D. of C., Pittsburgh, Pa.	88	CJD	Numder Mt., Sask.	198.7	CRF	Vila Paiva, Mozambique	31.2
WWZ	D. of C., Key West, Fla.	88	CJE	Campbell River, B. C.	198.7	CRG	Cape Verde Islands	18.45
WXB	U. S. A., Fort Barrow, Alaska	68.7, 34.36	CJG	Cheepeel, B. C.	198.7	CRO	El General	
WXE	U. S. A., Anchorage, Alaska	69.61	CJH	Thuerston Bay, B. C.	198.7	CRS	Costa Rica	
WXH	U. S. A., Ketchikan, Alaska	74.8, 37.27, 24.85, 18.63, 14.92	CJK	Hecate Channel, B. C.	198.7, 131	CRZ	Quanza Angoki	18.564
WXIA	U. S. A., City of Havre	54.3, 54, 45.42, 36.19, 35.5, 27.15, 27, 22.65, 18.09, 13.501	CJM	Knight Inlet, B. C.	198.7	CSA—CUZ PORTUGAL		
WXX	U. S. A., St. Louis, Mo.	115.1	CJR	Prince Edwards Isl.	189.9	CSB	Guanza	35, 32, 26
WXR	U. S. A., Seward, Alaska	68.73, 34.36, 22.91, 17.18	CJT	Wakman Sound, Man.	198.7	CSF	Portugal	18
WYD	U. S. A., Wright Field, Ohio	73.53, 36.76	CJU	Winnipeg, Man.	198.7	CTAB	Adamastor	33
WYG	U. S. A., Kelly Field, Texas	73.35, 67.45, 33.75, 22.5	CJV	Theodosia Arm, B. C.	198.7	CTAH	Carriat, Mayo	
WYN	U. S. A., Hatbox Field, Okla.	73.35, 67.42, 50.04, 36.67, 33.75, 22.2	CJX	Campbell River, B. C.	198.7	CTAO	Gil Eannes	
WYO	U. S. A., Hansley Field, Tex.	73.35, 67.42, 36.67, 33.75, 23.5	CJY	Chepeel, B. C.	198.7	CTBH	Sagres	
WYQ	U. S. A., Luke Field, Hawaii	18.38	CKA	Geizers Hill, Nova Scotia	39.32, 54.64, 27.32	CTBJ	Vasco de Gama	
WYS	U. S. A., Camp Clerk, P. I.	69.69	CKD	Kayoo Bay, B. C.	25.65	CTH	Horta, Azores	30, 20
WYX	Wheeler Field, Hawaii	18.38	CKF	Winnipeg, Man.	44.78	CTT	Faro	33
WYY	U. S. A., Dryden, Tex.	73.35, 67.42, 36.67, 33.75, 22.3	CKK	Saskatoon, Sask.	44.78	CTV	Monsanto	43.00
WYZ	U. S. A., Fordsburg, N. M.	78.35, 67.42, 36.67, 33.75, 22.5	CKL	Baker Lake, N. W. T.	43.6	CTIAA	Santos	42.75, 42.55, 31.85, 31.68
WZAB	U. S. A., Midland, Tex.	42.92	CKM	Lowre Inlet, B. C.	197.4, 131	CUC	Lisbon	DR25.17, 24.82, 24.46
WZAJ	U. S. A., Wright Field, Ohio	Variable	CKP	Walker Lake, B. C.	197.4, 131	CUD	Lisbon	
WZB	U. S. A., Brackettville, Tex.	73.35, 36.67	CKQ	Winnipeg, Man.	198.7	CUE	Lisbon	30.165, 29.4
WZC	U. S. A., Skagway, Alaska	69.61, 34.80	CKR	Saskatoon, Sask.	198.7	CUH	Lisbon	DR37.05, DR33.426, DR31.595
WZE	U. S. A., Kanakanak, Alaska	54.54	CKS	Calgary, Alta.	98.7, 39.74	CUI	Lisbon	43.38, 40.92, 40.16, 35.13
WZF	U. S. A., Squaw Harbor, Alaska	68.74, 34.36	CKT	Whitehorse, Yukon	90	CUS	Lisbon	DR20.76, DR19.89, DR18.8
WZG	U. S. A., Fort Bragg, N. C.	42.92	CKU	Walker Lake, B. C.	197.4, 131	CUW	Lisbon	DR15.641, DR22.396, DR21.47
WZJ	U. S. A., Scofield Barracks, Hawaii	18.38	CKV	Vancouver, B. C.	21.55	CVA—CVZ RUMANIA		
WZK	U. S. A., St. Louis, Ia.	115.2	CKW	Winnipeg, Man.	21.55	CVW	[Herastran]	13.23
WZL	U. S. A., Nogales, Ariz.	73.35, 36.57	CKZ	St. Johns, P. Q.	22.51	CWA—CXZ URUGUAY		
WZM	U. S. A., Douglas, Ariz.	73.35, 36.67	CLA—CMZ CUBA			CWA	Cerro	
WZN	U. S. A., Camp Stokesburg, P. I.	34.84	CLA	Havana	36	CWD	Cerro	51.06
WZO	Fort Bliss, El Paso, Tex.	73.35, 36.37	CLE	Baracoa	74, 68, 64, 62, 35	CWE	Cerro	45.39
WZP	Port Huachuca, Ariz.	73.35, 36.67	CLH	Holguin	90, 87, 57, 51, 45, 42, 38, 35	CWF	Cerro	34.92
WZQ	U. S. A., Camp J. Hay, P. I.	69.69, 34.84	CLI	S. Clara	50	CWG	Cerro	25.39
WZX	Air Port, San Jose, P. P.	51.28	CLM			CWH	Cerro	22.83
CAA—CEZ CHILE								
CDA	Santiago, Chile	27.5, 15	CMA2	Havana		CWI	Cerro	17.443
CDK	Santiago, Chile	55.98, 14.54	CMB2	Havana		D—GERMANY		
CEA	Santiago, Chile	37.75	CMB	Havana		DAAC	Europa	66,667, 18,160
CFA—CKZ CANADA						DAAS	Liner von Utricbo	190, 160
CFA	Drummondville, Canada	100, 185.2, 109.5, 90, 85.7, 48.02	CMB5	Havana		DABC	Walter Korte	190, 160
CFB	Air Base, Paetricha, Ont.	100, 185.2, 109.5, 90, 85.7, 48.02	CMB6	Havana		DAC	Elbe Weser	190
CFC	Thorpe's Harbor, B. C.	195.8, 188.0, 185.2	CMB8	Havana		DAEK	Milwaukee	66,66, 18.1
CFF	Ottawa, Ont.	35.17, 24.29	CMD	Havana		DAEW	Hummel	190, 160
CFG	Gold Pines, Ont.	100, 185.2, 109.5, 90, 85.7, 48.02	CMF	T. R. C., Oriente		DAEX	Hagen	190, 160
CFH	Halifax, N. S.	33.17, 130.4	CMG	P. A. A., Havana		DAHD	Arka	190, 160
CFH	Halifax, N. S.	35.17, 37.57	CMH	P. A. A., Santiago de Cuba		DAHJ	Hindenburg	190, 160
CFH			CMJ	P. A. A., San Julian		DAL	Bremerhaven	175
CFH						DALM	Brummer	180.72, 160.01, 153.06
CFH						OALM	Brense	190, 160

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

15

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
DAN	Norddurch	52.91, 36, 26.45, 18, 66.67, 35.12, 23.81, 45.46	DFU	Konigs Wusterhausen	54.1	DTOR	Reguliers	190, 180.72, 169.01, 153.06
DANAB	Dox	153.06, 53.233, 36.45, 26.93, 193, 178, 169.1, 160	DFV	Konigs Wusterhausen	46.45	DTOW	Wilhelm Huth	190, 180.72, 169.01, 153.06
DAS	Swiniuinde		DWA	Nauen	181.30			EAA—EHZ SPAIN
DCD	Ausseneider	180	DGA	Nauen	14.634	EAD	Cadiz	180
DCG	Elbe Feuerschiff	160	DGB	Nauen	14.691	EAH	Madrid	32.93, 31.65, 16.456, 14.735, 14.566
DCI	Elbe Feuerschiff	190, 160	DGC	Nauen	30.36		Canary Islands	170
DCK	Elbe Feuerschiff	190, 160	DGE	Nauen	29.38	EAI	Reina Maria Eugenia	
DCR	Stubbenkrammer	190, 160	DGF	Nauen	13.321	EAIE	Magallanes	
DCS	Tanning	170	DGG	Nauen	13.274	EAHI	Madrid	30.864, 25.104
DCU	Robbenplate	190, 160	DGH	Nauen	22.762	EAJ	Las Palmas, Canary Is.	35.63, 30.549, 21.606, 20.08, 20.046, 19.91
DCV	Bremen	160	DGI	Nauen	28.89	EAK	Madrid	20.17
DDAO	Altenbruch	190, 160	DGJ	Nauen	22.42	EAM	Madrid	43.89, 30.7, 21.65,
DDAS	Bremen	66.667, 18.168	DGL	Nauen	44.91	EAN	Madrid	15.576, 15.385, 15.259
DDBR	Berlin	175	DGM	Nauen	14.058	EAND	Cabo San Agustin	35.85, 23.9
DDCB	Columbus	66.667, 18.160	DGN	Nauen	14.164	EANE	Cabo Sante Fons	35.85, 23.9
DDCG	Risolute		DGO	Nauen		EANW	Madrid	15.213, 30.426
DDCJ	Coblenz	175	DGP	Nauen	14.465	EAQ	Leon y Castillo	40
DDCP	Cap. Polonio	66.667, 18.160	DGR	Nauen	14.634	EAQX	Madrid	29.7
DDDA	Wiser	175	DGS	Nauen		EARN	La Palma	40
DDDB	Werra	175	DGT	Nauen	31.088	EAU	Canary Islands	160
DDDC	Saarbrucken	175	DGU	Nauen		EAV	Barcelona	61.73, 60.70, 43.70
DDDF	Sierra Cordoba	175	DGV	Nauen	14.896	EAX		37.41, 31.8, 21.79, 20.13
DDDO	Serflinger	175	DGW	Nauen	14.955	EAY	Basile	17.4
DDDT	Deutschland	66.667, 18.160	DGX	Nauen	16.778	EDK		4
DDDX	Hamburg	66.667, 18.160	DGY	Nauen	20.541	EDZ		31
DEEA	Cap. Areona	66.667, 18.160	DGZ	Nauen	27.42	EEZ	Madrid	44.87, 29.97, 28.52, 25.75, 25.07, 22.44, 22.08, 16.502, 14.962
DEED	New York	66.667, 18.160, 190, 160	DHA	Nauen	22.682	EHX	Madrid	28.25
DDFF	Reliance		DHB	Nauen	25.22	EHY	Madrid	29.70
DDFV	Micklenberg	151	DHC	Nauen				
DDGR	Orion	66.667, 18.160	DHD	Nauen	30.272			
DDGT	Gotha	175	DHE	Nauen	40.96			
DDJD	Frier	175	DHO	Nauen	14.985			
DDKD	Crefeld	175	DIA	Konigs Wusterhausen	38.07			
DDKO	Koln	175	DIB	Konigs Wusterhausen	57.085			
DDKV	Ditmar Koel	180, 160	DIC	Konigs Wusterhausen	56.24			
DDLL	Lutzow	175	DID	Konigs Wusterhausen	55.20			
DDM	Hamburg		DIF	Konigs Wusterhausen				
DDNE	Madrid	175	DIG	Konigs Wusterhausen	14.792			
DDNY	Albert Ballin	66.66, 18.160	DIH	Nauen	15.040			
DDOE	Sierra Morena	175	DIJ	Konigs Wusterhausen	15.43			
DDOY	Norderney	190, 160	DIK	Konigs Wusterhausen	16.043			
DDRD	Dresden	175	DIL	Konigs Wusterhausen	16.855			
DDRM	Karlsruhe	175	DIM	Konigs Wusterhausen	17.3			
DDRQ	Auguste Kampf	180, 180.72, 169.10, 153.06	DIN	Konigs Wusterhausen	18.34			
DDRV	Wotan	190, 160	DIO	Konigs Wusterhausen	19.9			
DDSV	Kustin Mites	190, 160	DIP	Konigs Wusterhausen	20.818			
DDSY	Seydite	175	DIR	Konigs Wusterhausen	29.15			
DDTZ	Fiehla	175	DIS	Nauen	29.54			
DDUF	Stuttgart	175	DIT		29.66			
DDUZ	Sierra Ventana	175	DIU	Konigs Wusterhausen	31.94			
DDVN	Fimpelhof Berlin		DIV	Konigs Wusterhausen	14.5, 3283			
DDX	Gen' Artigas		DIW	Konigs Wusterhausen	34.76			
DDYB	York	175	DIX	Konigs Wusterhausen	35.58			
DDYO	Amerika	70, 25	DIVY	Konigs Wusterhausen	39.80			
DDZI	Nauen		DIZ	Konigs Wusterhausen	51.81			
DEL	Nauen		DJK	Konigs Wusterhausen	91.7			
DEN	Nauen		DKA	Konigs Wusterhausen	89.5			
DENN	Graf Zeppelin	37.3	DKB	Konigs Wusterhausen	83.4			
DEP	Nauen		DKC	Konigs Wusterhausen	69.8			
DES	Nauen		DKD	Konigs Wusterhausen	64.2			
DFA	Nauen	15.592	DKE	Konigs Wusterhausen	61.9			
DFB	Nauen	17.123	DKF	Konigs Wusterhausen	57.2			
DFC	Nauen	23.103	DKH	Konigs Wusterhausen	54.6			
DFD	Nauen	20.457	DKJ	Konigs Wusterhausen	52.7			
DFE	Nauen	30.582	DKL	Konigs Wusterhausen	48			
DFF	Nauen	30.9	DKN	Konigs Wusterhausen	43.8			
DFG	Nauen		DKO	Konigs Wusterhausen	40			
DFI	Nauen		DKP	Konigs Wusterhausen	36.8			
DFH	Nauen	40.91	DKQ	Konigs Wusterhausen	35.7			
DFJ	Nauen	15.228	DMKR	Karlsruhe				
DFK	Nauen		DOA	Coblenz	37.5, 67.76, 82.9			
DFL	Nauen	27.65	DPA	Altland	190, 160			
DFM	Nauen	16.416	DPOB	Hilde	190, 180.72, 163.1, 153.6			
DFO	Nauen	30.832	DPOC	Ernst von Briesen	190, 180.72, 169.1, 153.06			
DFOA	Amsel	190, 160	DPOD	Dolly Kuhlin	190, 160			
DFOB	Bahrenfeld	190, 160, 180.72, 153.06	DPOE	Ulrich Freise	190, 160			
DFOC	Grauz	190, 160	DPOF	Fridericus Rex	190, 160			
DFOD	Ditmar Koel	190, 180.72, 169.1, 153.06	DPOG	Jacob Goldschmidt	190, 160			
DFOE	Bremen	190, 160	DPOH	Pres Von Hindenberg	190, 160			
DFOF	Weser	190, 160	DPOI	Island	190, 160			
DFOG	Weishafen	190, 160	DPOJ	Johann Stadtlander	190, 160			
DFOH	Huxter	190, 160	DPOK	Konsul Dubbers	190, 160, 163.01, 183.72, 153.06			
DFOI	Pickhuber	190, 160	DPOL	Skoopenbank	190, 160			
DFOJ	Hans Joachim	190, 160	DPM	Fritz Homann	190, 160			
DFOK	Konigsberg	190, 160	DPN	Nordland	190, 160			
DFOL	Leipzig	190, 160	DPOO	Oscar Neynaber	190, 160			
DFOM	Marie Schroder	190, 160	DPOP	Spica	190, 160			
DFOH	Nachtigall	190, 160	DPOQ	Heinrich Buerin	190, 180.72, 169.01, 153.06			
DFOO	John Mahn	190, 180.72, 169.1, 153.06	DPOQ		153.06			
DFOP	Dortmund	190, 160	DPOR	Orion	190, 180.72, 169.01, 153.06			
DFOQ	Flensburg	190, 180.72, 169.01, 153.06	DPOS	Julius Pickenack	190, 180.72, 160.01, 153.06			
DFOR	Mariene	190, 160	DPOT	Schleswig	190, 180.72, 169.01, 153.06			
DFOS	Hauscat	190, 160	DPOU	Hamburg	190, 180.72, 160.01, 153.06			
DFOT	Neufundland	190, 160	DPOW	August Wriedo	190, 163			
DFOU	Stubbenhuk	190, 160	DPOY	Elsie Schroder	190, 160			
DFOV	Vonvarts	190, 160	DPOZ	Fritz Schroder	190, 160			
DFOW	Edward	190, 160	DTA	Kap Kanin	190, 180.72, 160.01, 153.06			
DFOX	Antaiguichtirat	190, 160	DTA	Koblenz	190, 180.72, 169.01, 153.06			
DFOY	Marie Richardson	190, 160	DTA	Adolf Kuhling	190, 172, 169.01			
DFOZ	Carsten Rehler	190, 160	DTA	Morre	190, 172, 169.01			
DFP	Nauen	37.89	DTOM					
DFQ	Nauen	16.667	DTOC					
DFR	Nauen	19.237	DTOK					
DFS	Nauen		DTOM					
DFT	Nnuen	38.40	DTOM					

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
FAA	Douala, Fr. Africa.	34.50, 27.50	FRG1	Laos, Fr. Indo China.	38	FZQ	Hanoi, Fr. Indo China.	23.50, 20
FIB	Yaounde, Fr. Cameroons.	33.33, 26	FRH	Pompey, Fr. Indo China.	41.20	FZR	Saigon, Fr. Indo China.	31.50, 18.50
FIB1	Yaounde, Africa.		FRI	Puinhou, Fr. Indo China.	60	FZS	Saigon, Fr. Indo China.	24.91, 16.32
FIC	Saroua, Fr. Cameroon.	33.33, 26	FRK1	Tonkin, Fr. Indo China.	35, 37.85, 28.02	FZT	Tananarive, Madagascar.	39.165, 24.45, 16.76
FIG1	Saroua, Cameroons-Africa.		FRK2	Phulien, Fr. Indo China.	35, 37.85, 28.02	FZU	Tananarive, Madagascar.	59.75, 20.34, 13.44
FID	Maroua, Fr. Cameroon.	33.33, 26	FRL	Liechian, Fr. Indo China.	34.50	FZV	Madagascar, Africa.	12.2, 15.4, 34.8, 34.48
FID1	Maroua, Cameroons-Africa.		FRL1	Liaochan, Fr. Indo China.	34.50	FZW	Tananarive, Madagascar.	15.08, 12.24
FIE	Batouri, Fr. Cameroon.	33.33, 26	FRN	Nao-Tcheon, Fr. Indo China.	28	FZX	Tananarive, Madagascar.	39.215, 24.435, 13.42
FIF	Fr. Cameroon.	37	FRO	St. Assise.	15.45	F8BZ	France.	19.50
FIG	Fr. Cameroon.	33.50	FRP1	Poulo, Fr. Indo China.	40	F8KR	Constantin, Algiers.	42.80
FIH	Fr. Cameroon.	33.50	FRQ1	Phuquoc, Fr. Indo China.	42.50	F8MC	Morocco.	43.60
III1	Fr. Cameroon.	37	FRS	Saigon, Fr. Indo China.				
FIJ1	Bafua, Fr. Cameroon.	43	FRS1	Saigon, Fr. Indo China.	22.40			
FIL	Diego Luniz, Madagascar.	65.04, 36.8	FRS2	Saigon, Fr. Indo China.	21.50			
FIM	Dzoudgi, Madagascar.	54.5, 37.5	FRS3	Saigon, Fr. Indo China.	38.50			
FIN	Hellville, Madagascar.	54	FRS4	Saigon, Fr. Indo China.	24.80			
FIO	Majunga, Madagascar.	53.5, 38	FRS5	Saigon, Fr. Indo China.	28.12			
FIP	M' de Radio, Madagascar.	53	FRU	Hue, Fr. Indo China.	62.60			
FIQ	Mutsamudu, Madagascar.	52.5	FRV	Vientiane, Fr. Indo China.				
FIR	S. Marie de, Madagascar.	52	FRV1	Vientiane, Fr. Indo China.	36.50			
FIS	Tamatave, Madagascar.	51.5, 45	FRW	Sam Naea, Fr. Indo China.	38			
FIT	Tulear, Madagascar.	51, 38.5	FRZ	Vink, Fr. Indo China.	72			
FIU	Tananarive, Madagascar.	44.5, 37	FSC	Poulo-Canton, Fr. Indo China.	28.30			
FIV1	Busy, Madagascar.	50.5	FSE	St. Assise.	22.32			
FIX1	Fomboni, Madagascar.	50	FSF	Norways, Fr. Indo China.	28.10			
FIY1	Madagascar.	55.5	FSG	Poulo-Gambir, Fr. Indo China.	27.803			
FIZ1	Salalah, Madagascar.	50, 39	FSH	Holon, Fr. Indo China.	28.503			
FJF	St. Dennis, Reunion.	31	FSI	St. Assise.				
FJP	Noumed, New Caledonia.	24	FSO	St. Assise.				
FJW	Wallis, New Caledonia.	22.4	FSQ	St. Assise.				
FLE	Eiffel Tower, Paris, France.	73.50	FTA	St. Assise.	25.125			
FLJ	Issy-les Moulineaux, France.	32.5	FTB	St. Assise.	40.05			
FMB	Tanavate, Madagascar.	14.5	FTC	St. Assise.	14.25			
FMN	Beyrouth, Syria.		FTD	St. Assise.	15.12			
FNAQ	Acropostale 1.	57, 53, 26.70	FTE	St. Assise.	16.44			
FNAR	Acropostale 2.	57, 36.5, 26.7	FTF	St. Assise.	38.61			
FNAS	Acropostale 3.	57, 53, 26.7	FTG	St. Assise.	43.92			
FNAT	Acropostale 4.	57, 53, 26.7	FTH	St. Assise.	27.42			
FNB	Le Bourget.	45.5, 43, 55, 25	FTI	St. Assise.	27.72			
FNBA	Campagna.	35.5, 26.5, 23	FTJ	St. Assise.	18.439			
FNBC	Alsina.	36.5, 35.5, 23	FTK	St. Assise.	18.80			
FNBG	Florida.	36, 22, 17	FTL	St. Assise.	30.15			
FBNB	Mendoza.	36.5, 35.5, 27, 24	FTM	St. Assise.	15.50			
FND	Dijou.	55, 45.5, 43, 25	FTN	St. Assise.	24.46			
FNEK	Kroumic.	42, 36, 42	FTO	St. Assise.				
FNEL	Michel Venture.	36, 35.5	FTU	St. Assise.				
FNEY	Kabyle.	36, 42	FTV	St. Assise.	30.97			
FNFR	El Golea.	36, 45	FTX	St. Assise.	31.20			
FNFT	El Kantara.	165	FTY	St. Assise.	28.04			
FHNH	Marechal Lyantey.	36, 42	FTZ	Tananarive, Madagascar.				
FNHX	Djeine.	36, 22, 44	FUA	Brest.				
FNZH	Koutoubia.	22, 36	FUE	Mengam (Brest).				
FNII	Nicolas Paquet.	45, 36, 66, 42	FUL	Brest.				
FNKA	Ils St. Paul.	35.5, 23.5	FUR	Toulon.				
FNKO	Mare Achelle.	35.5	FUT	Toulon.				
FNKU	Frederic Sauvage.	36.5	FVA	Algiers, Algeria.	31			
FNLC	Amerique.		FW	St. Assise.	15.43, 31.2			
FNLJ	Q'Allentique.	35.20, 26, 23	FW3	Paris.	15.42, 31.2			
FNLP	Bauville.		FW4	St. Assise.	24.4			
FNLS	Brazza.	36, 24.50	FWX	Beyrouth, Syria.	22.62, 20.15			
FNMQ	Foucauld.	36, 24.5	FXB	Beyrouth, Syria.	37.57			
FNRD	Pupingnan.	55, 43, 27, 25	FXC	Beyrouth, Syria.	33, 28.28, 39.60,			
FNOI	Basse Terre.		FXD	Beyrouth, Syria.	22.002, 18.66,			
FNRQ	Alexandrine.		FXE	Beyrouth, Syria.	14.925			
FNRY	Cuba.		FXI	Beyrouth, Levant.	43, 66, 56, 25.80,			
FNRZ	Flandre.		FXJ	Beyrouth, Levant.	18.43			
FNSM	France.	36, 24.5, 180	FXK	Beyrouth, Levant.	33			
FNS	Strasbourg.	55, 43, 27, 25	FXL	Beyrouth, Levant.	39.60			
FNTM	Ule de France.	36, 24.5	FXM	Beyrouth, Levant.	28.275			
FNTQ	Colombie.	36.5, 22.5, 18	FXN	Beyrouth, Levant.	56			
FNU1	Paris.	36, 24.5	FYA	Beyrouth, Levant.	43			
FNU3	La Fayette.	36, 24.50	FYB	Pontoise (Paris).	39.02, 29.806,			
FNY	Champlain.		FYC	Pontoise (Paris).	22.413, 16.07			
FOAI	Biarritz.		FYD	Paris, T. S. F.	36.63, 36.58, 28.35			
FOAJ	Athoe 2.	36.3, 24	FYM	Pontoise (Paris).	40.37, 24.793, 18.785			
FOAP	Georges Philippac.	36, 26.5, 23.80	FYQ	Croix d'Hins.	37.15, 29.32, 23.077			
FOAT	Chantilly.		FYR	Lyon, T. S. F.	69.124, 44.117, 29.07			
FOAV	D' Artagnan.	36, 35.5, 34			15.217			
FOBJ	Felix Roussel.	36.5, 35.5, 23						
FOBJ	Sphinx.				38.26			
FOEN	Roxane.				52.36			
FOHH	Canada.	36, 24.5			55.35, 31.849, 29,			
FOHI	Patria.	36, 24.5			20.367, 16.35,			
FOHO	Providence.	36.5, 35.5, 27, 24			13.233			
FONO	Edmond René.							
FOOG	Sierentz.							
FOON	Velilla 2.	175, 36						
FOS								
FOTC	Victrix.	26.3						
FOTI	Lutetia.	25, 22.5, 35						
FOTN	Massilia.	36, 24.50						
FOTP	Bruneire.	36, 27						
FOVX	Michel Francois.	35.5						
FOWU	Rosemonde.	36.5						
FOWX	Sennaville.	35.5, 22.5						
FOXT	Victoria.	46, 36, 24.5						
FOYQ	St. Jeanne d' Arc.	37, 21						
EPB1	Papute.	40, 23						
EPBC	Austral.	36, 23						
FPBG	Vendemarie.	36.60, 23						
FPBQ	Surges de Joly.	190						
FPCA	Esperance.	45, 36						
EPE	Taohiac, Fr. Oceania.	40						
FPI	Fort de France.							
FPQ	Destrellian.							
FQE	St. Assise.	24.67						
FQN	St. Pierre, Fr. St. Pierre.	57.70, 50, 1955, 18.30						
FQQ	St. Assise, France.	24.67						
FRA	Hanoi, Fr. Indo China.							
FRB	Battambang, Fr. Indo China.	38.50						
FRD	Dalat, Fr. Indo China.	29						
FRE	St. Assise.	15.45						
FRF1	Fort Bayard, Fr. Indo China.	33.30						
FRG	Luangprabung, Fr. China.							

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
GED	Andora		GJVR	British Huzzar	36.49, 26.59, 17.81	GNP	Ongar	15.182
GFDB	British Colonel	36.5, 26.59, 17.18	GJZT	Southern King	36.5, 26.59	GNPZ	Thomas Bartlett	150
GEDF	Comorin	36.5, 26.59, 17.81	GKB	Northolt-London		GNRC	Orford	36.5, 26.59, 17.81
GFF	Felixstowe		GKC	Northolt-London		GNS	Ongar	25.93
GFG	Worthy Down		GKFB	Cavina	36.5, 26.59, 17.81	GNTS	Duchess of Athol	36.5, 26.59
GFH	Aldergrove		GKFY	Minnetonka		GNTV	Duchess of Bedford	36.5, 26.59
GFI	Ismailion, Egypt	40.32	GKH	Orkney Islands, Scotland		GNV	Newhaven	150
FGJ	London	22.22	GKJ	Orkney Islands, Scotland		GNWE	Dromore Castle	75, 22.4
GFJ2	London	44.44	GKVM	Earl Essex	177.5	GNXF	Ningara	37.5, 17.85
GFJ3	London	29.985	GKP	Dollis Hill	E2.04, 11	GNZC	Margaret Rose	177.5
GFK2	Croydon	54.89	GKPV	British Progress		GOE	Grimsby	31.66
GFK3	Croydon	40.5	GKPx	Fagenta	177.5	GOF	Grimsby	29.40
GFKV	Atranto	36.49, 26.59, 17.81	GQK	Dollis Hill	27.60	GOI	Grimsby	34.168
GFL	Calshot		GQK	Dollis Hill	52.19, 47.02	GOJ	Bodmin	34.013
GFM	Mountbatten	46.15	GQKX	Ranpura	36.5, 26.59, 17.81	GOK	Bodmin	32.397
GFM2	Mountbatten	70	GKR	Wick, Scotland		GOL	Bodmin	32.03
GFMD	Pole Star	180	GKRZ	Arwyo		GOM	Dorchester	37.78
GFMS	Windsor Castle	36.5, 26.59, 17.81	GKS	Dollis Hill	36.81, 22.01, 15	GON	Ongar	31.76
GFMT	Polar Chief	36, 27	GKT	Portishead	26.59, 17.81, 36.43	GOQ	Ongar	39.525
GFN	London	23			36.54, 24.17, 18.25	GOR	Ongar	33.88
GFN2	London	21.58	GKTG			GOS	Ongar	32.34
GFN3	London	32	GKU	Portishead	36.54, 26.59	GOV	Ongar	33.58
GFN4	London	40.27	GKZ	Humber Yorkshire		GOZ	Dorchester	57.58
GFN5	London	43.16	GLA	Ongar Essex		GPK	Portpatrick, Scotland	
GFNC	Vandyck		GLB	Ongar Essex		GPLT	Achimota	36.5, 26.59, 17.81
GFO	Sealand, Wales		GLBR	Monowai	36.5, 22.8	GPQ	Parkiston Quay	
GFP	Oxfordshire Light House		GLCR	Cameroon		GQDK	Queen Victoria Lifeboat	197
GFQ	British Somaliland	22.22	GLD	Windward Ho	177.5	GQM	Ingoma	36.5, 26.59, 17.81
GFQ2	British Somaliland	44.48	GLD	Lands End Yorkshire		GONS	New Sevilla	
GFR	Flowdown		GLG	Dorchester	15.74	GQVP	Lancashire	
GFRQ	Orama	36.5	GLH	Dorchester	22.170, 22.176, 22.165, 22.153, 22.150	GQWF	Lady Astley	A1-2-3, 150
GFSB	Empress of Australia	36.5, 17.8				GQWP	Tewera	A1-2-3, 150
GFSN	Onocravon					GQXK	Teekoura	
GFST	British Grenadine	36.5, 26.59, 23.75, 17.81	GHI	Ongar	15	GRA	London	
GFSV	British Gunner	36.5, 17.81	GLJ	Camaroon		GREM	Grenada, B. W. I.	
GFU	Uxbridge	198, 176.E, 159.1	GLK	Dorchester	37.47	GRL	Fishguard	
GFUP	Dubran		GLKN	Chitral	35.5, 26.59, 17.81	GRLJ	Georgic	36.54, 26.35, 17.06
GFV	Bagdad, Iraq	22.22	GLKW	Ranchi	35.5, 26.59, 17.81	GRN	Artrum, Ireland	
GFV2	Bagdad, Iraq	44.55	GLKY	Carinthia	35.54, 26.59, 17.81	GRNW	Corfa	36.5, 26.59, 17.81
GFVB	Anglo Norse	36, 27	GLKZ	Transylvania	35.5, 26.59	GRNK	Carthage	36.5, 26.59, 17.81
GFVN	British Chancellor	36.34, 26.35, 17.06	GLL	Dorchester	21.952	GRPZ	Strathnaver	
GFVQ	British Trader	36.5, 17.81	GLM	Dorchester	37.78	GRQ	Dollis Hill	
GFW	Ambala, India	44.44, 22.21	GLO	Ongar Essex		GRSX	Strathaird	36.49, 26.59, 17.81
GFWK	S. Gerardo		GLQ	Ongar Essex		GRTM	Lifeboat Wm. C. Kate	A3, 190, 180
GFVV	Majestic	36.5, 26.58	GLQR	Ongar	27.45	GRWD	Dilimer	A3, 177.5
GFX	British Ismailia, Egypt	22.24	GLQS	Alcantara	35.5, 26.59	GRWJ	Bass Rock	177.5
GFX2	Ismailia, Egypt	44.48	GLRC	Asturias	35.54, 26.59	GRWJ	Pomona	177.5
GFX3	Ismailia, Egypt	29.985	GLRW	Eburas		GRWJ	Spaniel	177.5
GFX4	Ismailia, Egypt	40.43	GLRX	Rawaipinde	35.5, 26.59, 17.81	GRWV	Thomas Hawkins	177.5
GFX5	Ismailia, Egypt	22.22	GLRY	Mauretania	35.54, 26.59, 17.81	GRWV	Wm. Caldwell	177.5
GFXK	J. W. Mackay	54.19, 13.469	GLRZ	Caronia	35.54, 26.59, 17.81	GRWN	Emu	177.5
GFXQ	Empress of Canada	36, 14	GLS	Aquitania	15.133	GRWS	Tholland	26.59, 17.81, 36.54
GFXW	British Enterprise	36.19, 26.59, 17.81	GLSJ	Ongar	35.5, 26.59	GRXG	Erin	38.54, 26.35, 23.42, 17.09
GFY	Ismailia, Egypt	21.55	GLSQ	Adriatic				
GFY2	Ismailia, Egypt	22.44		White Star Olympic	36.5, 26.59, 35.35, 24.23, 18.25	GSBT	Baffin Land	
GFY3	Ismailia, Egypt	43.23	GLTC	Appam		GSDT	Normandy	190
GFZ	Calapania, Malta	22.22	GLV	Liverpool		GSL	Antrins	
GFZ2	Calapania, Malta	44.38	GLVN	Kaisar I. Hind	36.49, 26.59, 17.81	GSM	Cragpove	
GFZM	Worcestershire	36.5, 26.59, 17.81	GLVX	Viceroy of India	35.54, 17.81	GSM	M. C. Leonie	36.5, 26.59, 17.81
GHA	Calapania, Malta		GLW	Dorchester	15.714, 15.712, 15.699	GSRJ	Arctic Prince	
GHB	Bagdad, Iraq	43.103		Llandoverly Castle	15.707, 15.701, 15.699	GSRZ	Vacuoline	36.54, 26.59
GHC4	Bagdad, Iraq	21.587	GLWS	Rajputana	35.5, 26.59, 17.81	GSRV	Staffordshire	36.54, 26.59
GHC5	Bagdad, Iraq	26.5	GLWV	Rajputana	35.5, 26.59, 17.81	GSW	Duchess of Richmond	36.5, 26.59
GHK	Ismailia, Egypt	41	GLWV	Rajputana	15.252		Stonehaven, Scotland	
GHK2	Ismailia, Egypt		GLX	Dorchester	35.5, 26.59, 17.81		Tehama	150
GHL	Aldershot	39.79, 37.69, 22.99, 18.84	GLXD	Antung	15.252		Rangiliiki	36
GHM	Aldershot	39.79, 37.69, 22.99, 18.84	GLXV	Cheshire	35.5, 26.59		Duchess of York	36.5, 26.59
GHN	Aldershot	39.79, 37.69, 22.99, 18.84	GLY	Dorchester	25.265		Rangatata	36.5, 26.59, 17.81
GHO	Aldershot	39.79, 37.69, 22.19, 18.84	GLYX	Adventures	35.54, 26.59, 17.81	GTCV	Laurelwood	
GHQ	Dollis Hill		GLZC	Derbyshire	35.5, 26.59	GTLB	Thomas Leeds	81.52
GIA	Oxford	15.275	GLZD	Gloucestershire	35.5, 26.59	GTLD	Tally Ho	81.52
GIB	Oxford	25.04	GLZF	Lancashire	35.5, 26.59	GTLJ	Daily Mail	81.52
GIC	Oxford	34.72	GLZX	British Exhibitor	35.5, 26.51, 17.81	GTLK	Daily Mirror	177.5
GID	Oxford	22.13	GMBJ	Oxfordshire	35.5, 26.59	GTM	Daily Herald	177.5
GIF	Oxford	32.54		Northland	130	GTLH	Daily Express	177.5
GIG	Oxford	44.28	GMBL	Empress of Britian	71.8, 22.62, 67.76, 24.33	GTLI	Stender	177.5
GIH	Oxford	28.17	GMBN	Ariguani	16.216	GTM	Keyes	177.5
GIJ	Oxford	42.96	GME	Casare	16.146	GTM	Ferrol	177.5
GIK	Oxford	56.34	GMF	Grimsby	192.3, 151.5, 125	GTM	Frascate	177.5
GIL	Oxford	15.40	GMG	Guernsey	16.42	GTM	Saurian	177.5
GIM	Oxford	21.94	GMH	Malin Head	15.95	GTM	Wm. Humphries	177.5
GIN	Oxford	27.37	GMI	Grimsby	19.575	GTM	Arthur Cavanagh	177.5
GIO	Oxford	47.02	GMJ	Bedminster	15.3	GTM	William Downes	177.5
GIP	Dollis Hill	11	GMJC	Sheringham	35.54, 26.59	GTM	Michael Griffith	177.5
GIQ	Dollis Hill	27.6	GMJQ	Belgoland	16.575	GTM	Normandy	177.5
GIR	Dollis Hill	52.49	GMK	Bedminster	19.3	GTM	Gordon Richards	177.5
GIS	Dollis Hill	15	GML	Bedminster	35.5, 26.59	GTM	Kuroki	177.5
GIT	Dollis Hill	22.01	GMLD	Empress of France	71.8, 22.62, 67.76, 24.33	GTM	Cally	177.5
GIU	Dollis Hill	36.81	GMM	Empress of Japan	35.5, 26.59	GTM	Seebeck	177.5
GJFV	British Corporal	36.54, 26.35, 17.06	GMN	Dorchester	21.96	GTM	Tracola Prince	177.5
GJFW	British Mariner	36.59, 26.58, 17.81	GMNS	Triom	11.64	GTM	Macaco	177.5
GJFX	British Workman	36.5, 26.19, 17.81	GMPS	Reina del Pacifico	33	GTM	Tenedor	177.5
GJKT	British Councillor	36.5, 26.19, 17.81	GMPV	Bayreuter	35.5, 26.59, 17.81	GTM	Charmouth	177.5
GJKV	British Commander	36.5, 26.19, 17.81	GMQ	Ongar	21.85	GTM	Tracola Prince	177.5
GJLB	British General	36.5, 26.19, 17.81	GMQN	Aecia	35.5, 26.59, 17.81	GTM	Ermine	177.5
GJLM	British Advocate	36.54, 26.35, 17.66	GMR	Ongar	20.81	GTP	Kenneth McRae	177.5
GJLN	British Engineer	36.5, 26.19, 17.81	GMS	Ongar	22.18	GTP	Lily McRae	177.5
GJLQ	British Sergeant	36.5, 26.19, 17.81	GMSB	Apapa	35.5, 26.59, 17.81	GTP	Rivisby	177.5
GJMS	British Commerce	36.5, 26.19, 17.81	GMT	Almeda Star	14.51	GTP	Victor	177.5
GJMZ	Crestpower	177.5	GMTN	Shropshire	21.75	GTP	Bostonian	177.5
GJNQ	British Commodore	36.54, 26.35, 17.06	GMV	Ongar	14.51	GTP	Warwick Castle	36.5, 26.59, 17.81
GJNV	British Lord	36.5, 26.49, 17.81	GNB	Dorchester	21.75	GTP	Winchester Castle	36.5, 26.59, 17.81
GJPR	Adda	36.49, 26.59, 17.81	GNC			GTS	Tenidos	177.5
GJQM	British Premier	36.5, 26.49, 17.81	GNF	North Foreland	109.80	GTV	Daily Telegraph	190
GJRN	British Captain	36.5, 26.49, 17.81	GNH	Grimsby	25.895	GTV	Monarch of Bermuda	110, 71.8, 71.18, 54.59, 33.93
GJRZ	Owensay	36.49, 26.59, 17.81	GNI	Isle of Wight		GUR	Pasages	190
GJSF	British Lady	36.54, 26.59, 17.06	GNIJ	Migrant		GXA	Lady Beryl	190, 77.75
GJSF	British Commerce	36.5, 26.59, 17.81	GNO	Laurentic	35.5, 26.59	GYA	Malayan	177.5
GJSQ	Camaroon Coastie	36.5, 23	GNT	Ongar	23.85	GYB	Folkstone Harbor	150
GJVQ	British Yoeman	36.5, 26.59, 17.81	GNO	Ongar			British Navy	

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)			
HSA—HSZ SIAM											
G YC	Horsia, Portland	33.11 38.65	HSE	Bangkok	41.06	JES	Osaka	67.9, 51.9, 37.41, 33.48			
G YC2	Portsmouth		HSF	Bangkok	36.56, 31.25	JEW	Osaka	41.90			
G YD	Ipswich		HSG	Bangkok	36.08, 19.31	JFA	Taihoku	39.47			
G YF	Pembroke		HSJ	Bangkok	37.41, 25.06, 21.2, 20.72, 16.72, 18.58, 15.789, 12.909	JFB	Taihoku	41.78, 24.51			
G YG2	Bermuda, Bermuda	34.3	HSL	Bangkok	39.32	JFC	Giran	22.87			
G YG3	Bermuda, Bermuda	30.33	HSP	Bangkok	16.91	JFD	Giran	34.88			
G YG4	Bermuda, Bermuda	17.25	HSR	Chandaburi		JFEA	Shonan Marie	46.88, 36.06, 23.73			
G YG5	Bermuda, Bermuda	22.58	HSXL	Mahachakri	38, 34	JFM	Giran				
G YG6	Bermuda, Bermuda		HSXP	Chao Phraya	38, 34	JFP	Boko	68.8			
G YH	Rosyth, Scotland		HSXV	Vidhet	38, 34	JFRC	Kokusai Marie	46.88, 36.06, 33.73			
G YJ	Horsia	22.11	HSY	Bangkok Naval Base	125	JFS	Tainan	65.2			
G YJ2	Portsmouth	16.84	HS1PJ	Bangkok	16.8, 37, 29.50	JXC	Asama Marie	46.88, 23.73			
G YJ3	Portsmouth	14.75	HS4P	Bangkok	37.02	JFYC	Tateuta Marie	46.88, 36.06, 23.73, 18.03			
G YK	Chatham		I ITALY (and Colonies)								
G YL	Selectar Straits Settlements	30.675, 24.65	HVJ	Vatican City	50.26, 19.84	IAC	Coltano	50.80, 45.11, 23.45, 16.9			
G YM	Portsmouth		IAF	Fiumicino	10	IAD	Coltano	16.901			
G YN	Portland Hill		IGA	Foro Aranei	10	IBD	Rome	24.979			
G YO	Plymouth		IBAY	Nasello	46, 32, 15	IBD1	Conti Grande	32, 15			
G YP	Hong Kong, China	32.75	IBB	Rome	15.016	IBE	Rome	64.22, 32.017			
G YQ	Portsmouth		IBBW	Miteor	54.3, 54, 36.19	IBE1	Conte Rosso	32, 15			
G YR	Portland Dock		IBC	Rome	17.026	IBF	Rome	33.094			
G YS	Selectar Straits Settlements	40.35, 22.16, 16.71	ICBI	Conte Biancamano	24.979	IBF1	Andrea	32, 15			
GUY3	Gibraltar	37.57	IBD	Rome	32, 15	IBF2	Augustus	32, 15			
GUY4	Gibraltar	31.645	IBG	Rome	35.005	IBG1	Conti Verde	32, 15			
GUY5	Gibraltar	17.32	IBIE	Belvedere	32, 15	IBJ	Rome	54.54			
G YS2	Selectar Straits Settlements	22.46	IBL1	Constantinofoli		IBL	Rome	87.6, 99.85			
G YS3	Selectar Straits Settlements	40.35	IBN	Rome		IBOF	Caboto	32, 15			
G YS4	Selectar Straits Settlements	30.675	IBP	Rome	27.91	IBRZ	Oragio				
G YS5	Selectar Straits Settlements	16.71	IBSJ	Duilio	32, 15	IBT	Felice				
G YW	Gibraltar	24.55	IBUL	Feltre	32, 15	IBXG	Collion				
G YX	Castille, Malta	128.60	IBV	Merluzzo	46, 32, 15	IBXV	Merluzzo	32, 15			
G YY	S. Angelo, Malta		IBYH	Colombo	32, 15	IBYH	Colombo	32, 15			
G YZ2	Rinella, Malta	43.04	ICDC	Principessa Giovanna	32, 15	ICEV	Roma	32, 15			
G YZ3	Rinella, Malta	38.00	ICF	Messina-Sicily		ICGZ	Saturnia	32, 15			
G YZ4	Rinella, Malta	21.47	ICJ	Bengasi, No. Africa	52.98, 29.31	ICJ	Tripoli, No. Africa	50, 51.5, 51.02			
G YZ5	Rinella, Malta	17.32	ICNS	Vieggello	32, 15	ICNS	Vieggello	32, 15			
GZF	Matara Ceylon, India		ICO	Derna, Cypress	50	ICOF	Vulcania	32, 15			
GZI	Tanaguyika, Africa		ICOF	Vulcania		ICU	Tolruk, No. Africa	52.98			
GZO	Hong Kong, China	32.75	ICX	Albania		IDF	Livorno				
GZQ2	Hong Kong, China	41.067	IDM	Rhodes	73.15, 42.5, 30.76	IDM	Rhodes				
GZQ3	Hong Kong, China	16.37	IDO	Rome		IDP	Cagliari				
GZP2	Matara Ceylon, India	34.07	IDR	Asumara	38.03	IDY	Sassari P. P. T. T.	42.97			
GZP3	Matara Ceylon, India	31.05	IDZ	Italian Somaliland	44.91	IDZ	Italian Somaliland	44.91			
GZP5	Matara Ceylon, India	15.322	IMA	Rome	43.50	IEF	Rome				
GZP7	Matara Ceylon, India	43.63	IEF	Rome		IEF	Rome				
GZQ2	Aden, Br. Somaliland	33.82	IGM	Rome		IGM	Rome				
GZQ3	Aden, Br. Somaliland	17.43	IGM	Rome		IGM	Rome				
GZU	Portsmouth		IGM	Rome		IGM	Rome				
GZW	Portsmouth Dock		IGM	Rome		IGM	Rome				
GZY	Chatham		IGM	Rome		IGM	Rome				
GZZ	Cleethorpes	35	IGM	Rome		IGM	Rome				
GZZ2	Cleethorpes	34.76	IGM	Rome		IGM	Rome				
GZZ3	Cleethorpes	18.89	IGM	Rome		IGM	Rome				
GAA	Rugby	36.0, 35.82, 34.56, 23.47, 17.56, 60.30	IGM	Rome		IGM	Rome				
GZBR			IGM	Rome		IGM	Rome				
GZGN	S. S. Olympia	18.00, 23.35, 35.02	IGM	Rome		IGM	Rome				
GZIV	S. S. Majestic	18.00, 23.35, 35.02	IGM	Rome		IGM	Rome				
GZNW	Chatham	20.90	IGM	Rome		IGM	Rome				
GZYT	Poldice		IGM	Rome		IGM	Rome				
GSDH	Dolls Hill		IGM	Rome		IGM	Rome				
GSSW	Chelmsford	25.53	IGM	Rome		IGM	Rome				

HAA—HAZ HUNGARY

HAS	Hungary	43.86, 34.68, 19.518, 14.18
HAT	Hungary	55.56, 43.86, 35.025, 21.92, 17.51

HBA—HBZ SWITZERLAND

HBC	Berne	80.7, 48.4, 38, 37.5, 26.8
HBD	Berne	56.76, 15.106
HBE	Berne	
HBF	Berne	
HBJ	Berne	
HBL	Geneva	
HBO	Geneva	
HBP	Geneva	
HBQ	Geneva	39
HBR	Geneva	
HBD	Zurich	41.50

HCA—HCZ ECUADOR

HCC	Guinea, Ecuador	180
-----	-----------------	-----

HHA—HHZ HAITI

HHM	Haiti	
-----	-------	--

HIA—HIZ DOMINICAN REPUBLIC

HIB1	San Domingo	96, 54
HIE	San Domingo	38.33, 28.74, 19.15

HJA—HKZ COLOMBIA

HJC	Barranquilla	30.5
HJD	Medellin	37
HJE	Call	37.05
HJG	Bogota	
HJO	Bogota	23
HJP	Bogota	34.44
HJW	Santa Marta	44.12
HKC	Bogota	48
HKCJ	Manizales	35
HKT	Bogota	48.5
HKZ		

HRA—HRZ HONDURAS

HRA	Puerto Castella	49.95
HRB	Tela	37.57

J—JAPAN

JAD	Tokyo	
JAH		
JAN	Tokyo	43.10, 31.25
JAXB	Korya Marie	54.16, 36.06, 27.08
JBC	Keijo	44.12, 27.89
JBD	Kacjo	73.5, 59.52, 31.12
JBH	Mukoku	135, 67.6
JBI	Saishu Chosen	142, 70.8, 57.03
JBK	Kagoshima	70.4, 42.51
JBOD	Nagata Marie	46.88, 36.06
JCIB	Santos Marie	46.88, 36.06, 23.73
JCS	Choobi	57.16, 36.55, 22.80
JBXD	Hakushika Marie	36.06
JCX	Nawa Kin Kur	58.59, 32.05, 76.1
JDZB	Plata Marie	36

LAA—LNZ NORWAY

LAD		
LCAM	Antartic	33.7, 27.3, 26.3
LCAN	Hektoria	36.27
LCAO	Taiyang	33.8
LCAP	Torodd	35.1, 33.7
LCAQ	Pelagos	33.8
LCAS	Orkanger	35.1, 33.7
LCC	Oslo	32.22, 31.22
LCDS	Asmund	
LCDV	M. S. Trianon	
LCEQ	Betty	
LCER	Blanca	36.6, 35.1, 27.3, 26.3
LCF	Jeloy	30.18
LCFH	Ranja	34
LCFW	M. S. Brandang	
LCGD	Rusen	33.8
LCO	Whaler C. A. Larson	33.8
LCGV	Jeloy	30.14
LCI	Dagland	35.1, 33.7
LCIW	Jeloy	50.8
LCJ	Espanua	33.8
LCJB	Jeloy	30.06
LCJC	Elsa	35.1, 33.7
LCJK	Falk	35.1, 33.7
LCK	Congo	35.1, 33.7
LCKJ	Peder Bogen	35.1, 33.7
LCKL	Oslo	15.03
LCKG	Laurits Swenson	35.1, 33.7
LCKJ	Danwood	35.1, 33.7
LCKZ	Triton	36.27
LCL	Jeloy	42.9
LCM	Savanger	
LCN	Jeloy	38.3
LCNY	Henrik Ibsen	36
LCO	Jeloy	21.45
LCOE	Brattigg	33.7, 36.6, 27.3, 26.3
LCOI	Huldejoy	
LCP	Jeloy	20.63
LCPE	Jenny	35.1, 33.7
LCPI	Nyegg	35.6, 27.3
LCPN	Strombus	35.1, 33.7

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
LCPT	Kong Ring.		LOL	Darsena Norte.	34.52	OKE	OKA—OKZ CZECHOSLOVAKIA	
LCPW	S. C. Brovig.	36, 27	LON	Buenos Aires.	48.3	OHU	Helsinki.	44.15
LCQ	Jeloy.	19.15	LOR	Buenos Aires.	34.64	OKH	Praha.	44.64, 22.53, 14.205
LCR	Jeloy.	15.07	LOW	Trelew.	34.40	OKI	Praha.	33.67, 16.66
LCS	Jeloy.	15.055	LP1	Buenos Aires.		OKIMP	Praha.	58.3, 49.75
LCB5	Dalavangen.	36.6, 33.7, 27.3, 26.3	LP2	Monte Grande.		OKN	Praha.	
LCSG	Lancing.	35.1, 33.7	LP3	Monte Grande.		OKU	Praha.	40.65
LCT	Tyholz.	50.3, 35.85	LP4	Monte Grande.			ONA—OTZ BELGIUM AND COLONIES	
LCTE	Markland.	35.1, 33.7	LP5	Monte Grande.		ONA	Banana, Belg. Congo.	48.58, 38.87, 22.72
LCTF	Thor 1.	34, 27	LPD	General Pachico Radio.	36	ONC	Coquilhatville, Belg. Congo.	24.39
LCTJ	Thornhammer.	35.1, 33.7	LPF	Formosa.	44.05	OND	Slanda Welvaren.	180
LCTN	Maudie.	35.1, 33.7, 27.3, 26.3	LPG	General Pacheco.	36	ONH	Bruxelles, Belg. Congo.	55
LCTX	Lindvanjen.	36.6, 33.7, 27.3, 26.3	LPI	Monte Grande.	33.84	ONLB	Leopoldville.	36, 24, 18
LCTY	Poltank.	35.1, 33.7	LPH	Buenos Aires.	27.27	ONMB	Linbergh II.	180
LCUC	Nordanger.	36.1, 26.8, 24, 18	LPJ	Correntoso.		ONNN	Teniers.	180
LCUG	Fanny Hoegh.	35.1, 33.7	LPL	Buenos Aires.	32	ONRB	Remorqueur.	180
LCUH	Norwega.	35.1, 33.7, 27.3, 26.3	LPM	Bariloche.		ONRC	Annie.	180
LCUO	Nielson Alonso.	35.1, 33.7	LPN	Laguna Blanca.		ONSB	Ibia.	180
LCUV	Orwell.	36, 27	LPQ	Alto de Sierra.		ONTB	Marelle.	180
LCVB	Turiicum.	35.1, 33.7, 27.3, 26.3	LPV	Buenos Aires.	56.02	ONVA	Anrusville.	34, 24, 18
LCWF	Roald Amundson.	36, 27	LPX	Monte Grande.	30.94	ONWB	Georgette.	180
LCWK	Ronald.	35.1, 33.7, 27.3, 26.3	LQB	Buenos Aires.	19.18	ONXB	Marguy.	180
LCXL	Dagfred.	35.1, 33.7	LQC	Buenos Aires.	17.043	OOC	Coquilhatville, Belg. Congo.	36.42
LCXM	Vestfjord.	36, 24	LQD	Buenos Aires.	15.463	OCCB	Director Bulcke.	195
LCXQ	Sa Jas Ross Clark.	36, 27	LQE	Buenos Aires.	27.6	CODB	Samson.	195
LCY	Jeloy.	30.12	LQK	Buenos Aires.	7.246	OFA	Fernand Hardynier.	180
LCYZ	Stella Polaria.	36, 24	LQL	Buenos Aires.	7.309	OOG	Elizabethville, Belg. Congo.	35.67
LCZ	Jeloy.	30.11	LQM	Buenos Aires.	26.109	OOGB	Les Trois Freres.	180
LCZI	Brusen 10.	110	LQN	Buenos Aires.	25.816	OOSH	Elizabethville, Belg. Congo.	30.65
LDAH	Tennessee.	36, 27	LQO	Buenos Aires.	14.045	OOB	Bonne Esperance.	180
LDAL	Thalatta.	33.8	LRO	Orkney Is.	27	OQJB	Jeanne D'Arc.	180
LDAN	Theodore Roosevelt.		LS	Buenos Aires.	138.57	OOK	Leopoldville, Belg. Congo.	31.20
LDDD	Tyr.		LSA	Monte Grande.	30.9	OKKB	Elisa.	180
LDDI	Kosmos 2.	36.6, 33.7, 27.3, 26.3	LSB	Monte Grande.		OOL	Leopoldville, Belg. Congo.	30.41
LDGC	Solstrid.	33.8	LSC	Monte Grande.		OOLB	H. B. L.	180
LDGQ	Ole Wegger.	36, 27	LSD	Monte Grande.	33.97	OOMB	Leopoldville, Belg. Congo.	34.58
LDHM	Dagrun.	35.1, 33.7	LSE	Monte Grande.	14.62, 30.602	OONB	Melanie Rachel.	180
LDHN	Sando.	35.1, 33.7	LSF	Monte Grande.	15.30	OOPB	Marie Maurice.	180
LDIB	Ankara.	33.7	LSG	Buenos Aires.	15.02	OQQB	Providentia.	180
LDIM	Skytteren.	35.1, 33.7	LSH	Monte Grande.	14.5	OORB	May.	180
LDIN	Tayim.	33.8	LSI	Monte Grande.		OOS	Roger Henri.	180
LDIQ	Templar.	36, 27	LSJ	Monte Grande.	20	OOSB	Stanleyville, Belg. Congo.	34.30
LDIY	Egero.	35.1, 33.7	LSK	Buenos Aires.	82.45	OOTT	Prinse Charles.	180
LDJP	Tai Ping.	33.8	LSL	Buenos Aires.	37.969, 29.126	OOTB	Stanleyville, Belg. Congo.	30.94
LDKS	Hudd 3.	35.1, 33.7, 27.3, 26.3	LSM	Buenos Aires.	29.13, 20.69, 15.67,	OOU	Princess J. Charibotte.	180
LDLI	Kosmos.	35.1, 33.7, 27.3, 26.3	LSN	Buenos Aires.	14.18, 14.10, 13.41	OOUB	Stanleyville, Belg. Congo.	32.45
LDLN	Raavik.	36, 27	LSO	Buenos Aires.	30.33, 24.61, 20.65,	OQBV	E. H. 15.	195
LDMD	Storaas.		LSR	Buenos Aires.	18.97, 16.83, 15.27,	OPEA	Albatros.	180
LDMQ	Solglumt.	36, 27	LSS	Buenos Aires.	14.27	OPEB	Sophie Francois.	180
LDNB	Arna.	35.1, 33.7	LSL	Buenos Aires.	52.61	OQZB	N. D. du Pupetuel.	180
LDNE	Tudor.	36, 27	LSV	Buenos Aires.	15.82	OPAB	Andre Marcel.	180
LDNV	Bisea.	36	LSW	Monte Grande.	22.14	OPC	Agnele Emile.	180
DOOB	South Africa.	35.1, 33.7	LSX	Buenos Aires.	32.93	OPCA	Coquillatville, Belg. Congo.	17.49
LDQK	Thermophila.	36, 27	LYS	Monte Grande.	26.71	OPDB	Mathilde.	180
LDQI	Minister Wedel.	35.1, 33.7	LSY	Buenos Aires.	44.58, 26.71	OPEA	Maria Ludovica.	180
LDOK	Silva.		LSZ	Buenos Aires.	30.46, 26.71	OPEB	Elizabethville.	34, 24, 18
LDPE	Skuduk 5.	35.1, 33.7	LSL	Monte Grande.	28.59	OPEB	Basite Georges.	180
LDPL	Velma.	35.1, 33.7	LSV	Buenos Aires.	14.49	OPEB	Gabriella.	180
LDPO	Thershonan.	35.1, 33.7, 27.3, 26.3	LSW	Monte Grande.	27.17	OPEB	Heltopolis.	36.5, 26.60, 17.81
LDPP	Thersholtan.	35.1, 33.7, 27.3, 26.3	LYV	Monte Grande.		OPL	Leopoldville, Belg. Congo.	14.97
LDQE	Bouvet 1.	35.1, 33.7	LVF	Guatemala City.		OPMB	Leopoldville, Belg. Congo.	29.50
LDQQ	Nore.	36, 27	LVM	Buenos Aires.	110,63.03,55.89,34.01	OPNB	Joseph Marcel.	180
LDQR	Norfold.	36, 27	LVP	Buenos Aires.	105, 52.35, 50	OPNB	Trins Boudeijn.	180
LDQS	Novvinn.	36, 27	LVQ	Bahia Blanca.	110.49, 51.90	OPOB	Brussels Airport.	43
LDQT	Nochis.	36, 27	LVR	Buenos Aires.	107.14, 51.54	OPPB	Lindbergh III.	180
LDQT	Vigdis.	36, 27	LVX	Buenos Aires.	53.96	OPRB	Albert Madeline.	180
LDQU	Vestvangen.	35.1, 33.7, 27.3, 26.3				OPSB	Cataliny.	180
LDRK	Austvangen.	36.6, 33.7, 27.3, 26.3				OPTA	Raphael Gabrielle.	180
LDRM	Troja.	36, 27				OPTB	Thysville.	34, 24, 18
LDRZ	Haina Rindsen.					OPTC	Raphael Georges.	180
LDSD	Havdert.	60, 30				OPTD	Fraus Legelin.	180
LDSD	Norden.	35.1, 33.7				OPUB	Neptune.	180
LDSP	Korsbik.	27.3, 26.3				OPWB	Reinhard Anges.	180
LDSQ	Fjordane.	35.1, 33.7				OPXB	Angelus.	180
LDSR	Vardaus.	35.1, 33.7				OPYB	Bertha Lind.	180
LDSY	Sveind Foyen.	36, 24				OQA	Rigoma, Belg. Congo.	49.46, 38.58, 22.05
LDVA	Pontos.	36, 27				OQB	Bumba, Belg. Congo.	44.47, 37.05, 24.82
LDW	Fauske.					OQC	Coquillatville, Belg. Congo.	45.25, 33.45, 24.39,
LECA	Sveind Foyen 2.	35.1, 33.7, 27.3, 26.3				OQC1		17.49
LEHM	Viselehar.	36, 27				OQD	Coquillatville, Belg. Congo.	36.42
LFBA	Bergensfjord.	36, 27				OQE	Kinder, Belg. Congo.	44.21, 36.27
LFSA	Stavangerfjord.					OQF	Castermanville, Belg. Congo.	48.05, 36.12, 24.51
LGB	Bergar.	35.71, 26.90, 18.10				OQG	Kongalo, Belg. Congo.	43.86, 35.97, 22.11
LGF		47.5, 30				OQH	Elizabethville, Belg. Congo.	46.18, 33.61, 26.07
LGJ	Jeloy.	45.8, 37.5, 26.9, 23.75				OQI	Lisala, Belg. Congo.	15.44
LGN	Bergen.	30				OQJ	Jungo, Belg. Congo.	44.80, 35.35, 23.92
LGS	Bergen.	35.93, 27.15, 18.20				OQK	Aketi, Belg. Congo.	46.83, 35.19, 24.05
LHIA	Svalbard.	39, 32.5, 25.98				OQM	Leopoldville, Belg. Congo.	44.27, 35.05, 26.28
LMB	Suderoj.	35.1, 33.7				OQN	Lasambo, Belg. Congo.	53.10, 37.54, 25.71
LMJ	Bergen.	104, 43				OQN	Iruni, Belg. Congo.	85.71, 43.6, 34.12,
LMO	Jan Mayen.	36, 31						24.70
LMT	Oslo.	104, 50.5						
	Toromo.	43						
LOA—LVZ ARGENTINA								
LOAD	Almiente Brown.	36.45	OBW	Lima.	97.52	OQO	Rasoko, Belg. Congo.	46.40, 33.9, 25.03
LOAH	Fragata Sarmiento.	36, 18	OCAA	Lima.	53.47	OQP	Astrida, Belg. Congo.	53.86, 37.66, 25.94
LOBW	Chaco.	36, 18	OCAC	Lima.	33.76	OQV	Libengo, Belg. Congo.	52.13, 33.31, 23.03
LOC	For mosa.	36	OCAD	Lima.	34.39	OQW	Csumubira, Belg. Congo.	47.06, 33.14, 22.36
LOFA	Chudad de Corrientes.	36, 18	OCAE	Tacna.	87.52	OQX	Stanleyville, Belg. Congo.	43.1, 22.65, 14.57,
LOFB	Ciudad de Concepcion.	72.02, 36	OCAF	Tacna.	53.47	OQY		37.10
LOFD	Astra 111.		OCAH	Chiclayo.	33.76	OQZ	Buta, Belg. Congo.	49.75, 32.19, 24.63
LOFH	Berna.	35, 18	OCAI	Chiclayo.	97.52	OQO	Basaukuus, Belg. Congo.	49.02, 32.06, 25.08
LOFI	Bruselas.	72.02, 36, 18	OCAJ	Aranda.	80	OQP	Albertville, Belg. Congo.	45.65, 31.76, 26.15
LOFK	Cludad de Buenos Aires.	36, 18	OCHC	Suursaari.	80	OQV	Bandumulu, Belg. Congo.	45.42, 37.24, 25.64
LOFM	Ernesto Tornquist.	36, 27	OCHW	Sumen Nelt.	80	OQW	Kabinda, Belg. Congo.	50.85, 31.20, 23.87
LOFP	General Alvar.	72.02, 36, 18	OHF1	Lapponia.	80	OQY	Niangara, Belg. Congo.	53.42, 31.07, 32.52
LOFQ	Harpón.	36, 27	OHF2	Helsinki.	90	OQZ	Ruyselede.	15.19
LOGJ	Washington.	36, 18	OHG	Helsinki.	101	OQAB	Raymond Camiel.	180
LOGO	Chudad de Asuncion.	36, 18	OHM	Hanko.	34.98	OQB	Ruyselede.	27.15
LOGR	Iguazu.	36, 18	OHN	Hanko.	154.6	OQC	Ruyselede.	38.58
LOGS	Guyaya.	72.02, 36, 18	OHQ	Merinkulkumallitu.	102	OQCB	Gonge Jan.	180
LOGV	Triton.	72, 36, 18				OQDB	Gabrielli Marie.	180
LOGW	General Artigas.	72, 36, 18				OQEB	Alex Rachet.	180
LOK	Buenos Aires.	34.97						

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

21

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	PRED	Dios Corregos.	38.41
PLY	Malabar.	12.6	PQRB	Rio Branco Acre.		PREE	San Carlos.	
PLZ	Malabar.	13.04	PQRC	Rio Branco Acre.	20.33	PREF	S. Cartos.	38.41
PMA	Malabar.	15.54, 15.48	PQRD	Rio Branco Acre.	14.53	PREG	Garcia.	38.57
PMB	Malabar.	14.59	PQSA	Santarem.	97.7	PREH	Jahu.	
PMC	Tijumundi.	16.56, 16.53	PQSB	Santarem.	40.677	PREI	Pederneiras.	
PMD	Malabar.	37.5	PQSC	Santarem.	22.404	PREJ	Campinas.	38.45
PMF	Malabar.	38.11	PQSD	Santarem.	20.29	PREK	Bauru.	
PMG	Malabar.	39.93	PQTA	Tarauaca.	97.4	PREL	Rio Clara.	
PMH	Malabar.	40.22, 40.18	PQTB	Tarauaca.	27.57	PREM	Marlia.	38.87
PMI	Tjilin.	51	PQTC	Tarauaca.	20.249	PRF	Fortaleza.	62.37
PMW	Riouw Is.	40.76, 32.12	PQUA	Itatuba.	95.64	PRFA	Florianopolis.	44.71
PNX	Degoel.	26.95	PQUB	Itatuba Para.	43.509	PRFB	Florianopolis.	44.05
POV	Bintang Is.	100, 50.7	PQUC	Itatuba Para.	36.88	PRFC	Florianopolis.	30.89
POW	Sumatra.	100, 70.6, 50.7	PQVA	Porto Velho.	20.08	PRFD	Florianopolis.	28
POZ	Borneo Borneo.	37.08	PQVB	Porto Velho.	44.49	PRFE	Florianopolis.	23.22
PPA—PYZ BRAZIL								
PPD	Recife.	83.4	PQWC	Altamira Para.	96.02	PRFH	S. Gabriel.	146.3
PPE	Rio de Janeiro.	34.4	PQWA	Altamira Para.	38	PRFI	Corumba.	22.87
PPG	Rio de Janeiro.	83.3	PQWB	Altamira Para.	19.93	PRFJ	Corumba.	139.6
PPH	Sepetiba.	25.146	PQXA	Napury.	95.69	PRFK	Pelotas.	
PPJ	Pernambuco.	83.4	PQXB	Napury.	22.865	PRFL	Rio de Janeiro.	40.84, 38.12, 26.8
PPK	Porto Alegre.	83.4	PQXC	Napury.	19.907	PRFN	Livramento.	76.8
PPM	Sepetiba.	29.06	PQY	Araguaya.	95.38	PRFO	Rio de Janeiro.	29.01
PPN	Natal Norte.	83.4	PQYA	Araguaya.	38	PRG	Rio de Janeiro.	27.78
PPO	Olinda.	62.25, 54.55, 27.21	PQYB	Araguaya.	36.85	PRGA	Fernando de Noronha.	54.446
PPP	Pelotas.	83.4	PQYC	Araguaya.	27.829	PRGB	Avendia Rio de Janeiro.	83.4
PPU	Sepetiba.	15.575	PQYD	Araguaya.	19.88	PRGC	Bahia.	83.4
PPV	Sepetiba.	21.818	PQZ	Soure. Para.	94.8	PRGF	Bahia.	83.4
PPW	Sepetiba.	27.62	PQZA	Soure.	42.978	PRGI	Florianopolis.	83.4, 75, 35, 34.48
PPX	Sepetiba.	14.47	PQZB	Soure.	34.92	PRGK	Porto Alegre.	83.3
PPX2	Sepetiba.	43	PQZC	Soure.	19.51	PRGM	Maceio.	83.4
PPZ	Recife.	16.515	PRA	Porto Alegre.	61.86	PRGN	Natal, Norte.	83.4
PQAA	Bocadinho Acre.	106.4	PRB	Rio de Janeiro.	60.97	PRGP	Pelotas.	83.4
PQAB	Bocadinho Acre.	50.89	PRBC	Recife.	160	PRGR	Recife.	83.4
PQAC	Bocadinho Acre.	34.09	PRBD	Joao Pessoa.	160	PRGS	Santos.	83.4
PQAD	Bocadinho Acre.	21.731	PRBE	Campina Grande.	160	PRGV	Victoria.	83.4
PQBB	Belem Para.	105.7	PRBF	North Natal.	160	PRH	Fortaleza.	27.22
PQBA	Belem Para.	56.39	PRBH	Joao Pessoa.	70.1	PRI	Iguassu.	62.12
PQBB	Belem Para.	43.73	PRBI	Campina Grande.	70.1	PRIA	Iguassu.	76
PQBC	Belem Para.	37.593	PRBJ	Recife.	70.1	Prib	Iguassu.	33.76
PQBD	Belem Para.	35	PRBK	Rio Branco.	70.1	PRIC	Iguassu.	18.99
PQBE	Belem Para.	32.858	PEBL	Limoeiro.	70.1	PRID	Iguassu.	89.68
PQBF	Belem Para.	28.99	PRBM	Caruaru.	70.1	PRIE	Cachoeira.	86.8
PQBG	Belem Para.	27.27	PRBN	Granhum.	70.1	PRIF	Niteroy.	61.09
PQBH	Belem Para.	21.708	PRBO	Rio de Janeiro.	170	PRIG	Niteroy.	39.51
PQCA	Cruzeiro.	105.3	PRBP	Rio de Janeiro.	170	PRIH	Niteroy.	27.397
PQCB	Cruzeiro.	21.69	PRBR	Recife.	63.02	PRII	Niteroy.	22.03
PQCC	Cruzeiro.	20.43	PRBR	Seria Grande.	63.02	PRIJ	Recife.	15.564
PQDD	Tefie.	104.9	PRBS	Rio de Janeiro.	27.3	PRIK	Recife.	14.45
PQDA	Tefie.	37.45	PRBT	Porto Alegre.	28.45	PRIK	Cachoeira.	65.3
PQDB	Tefie.	24.732	PRBU	Belem.	28.45	PRIM	Cachoeira.	32.68
PQDC	Tefie.	21.868	PRBV	Campina Grande.	80	PRIN	Cachoeira.	24.54
PQE	Maués.	104.6	PRBW	Recife.	80	PRIQ	S. Paulo.	140.1
PQEA	Maués.	50.406	PRBX	Natal Norte.	80	PRIQ	S. Paulo.	43.041
PQEB	Maués.	38.496	PRBY	S. Paulo.	33	PRIQ	S. Paulo.	37.5
PQEC	Maués.	33.076	PRBZ	S. Vincente.	33	PRIQ	S. Paulo.	33.78
PQED	Maués.	21.606	PRC	Rio de Janeiro.	54.05	PRIS	S. Paulo.	27.78
PQFB	Joao Priscoa.	104.2	PRCA	Corumba.	105.8	PRIT	S. Paulo.	22.935
PQFC	Joao Priscoa.	21.567	PRCB	Corumba.	42.92	PRIU	Recife.	44.31
PQG	S. Gabriel Amazonas.	103.8	PRCD	Corumba.	23.37	PRIU	Recife.	43.103
PQGA	S. Gabriel.	43.588	PRCE	Porto Alegre.	44.64	PRIW	Recife.	31.03
PQGB	S. Gabriel.	31.12	PRCF	Porto Alegre.	29.296	PRIX	Recife.	27.6
PQGC	S. Gabriel.	21.51	PRCG	Porto Alegre.	23.36	PRIY	Recife.	27.6
PQHH	Humayta.	103.5	PRCH	Porto Alegre.	14.59	PRIZ	Recife.	22.97
PQHA	Humayta.	50.2	PRCI	Rio de Janeiro.	149.3	PRJ	Therezina.	54.25
PQHB	Humayta.	38.241	PRCJ	Rio de Janeiro.	147.8	PRIJ	Rio de Janeiro.	75
PQI	Beuna Vista.	174	PRCK	Rio de Janeiro.	44.94	PRIJ	Bauru.	57.91
PQIA	Amazonas.	103.1	PRCL	Rio de Janeiro.	44.09	PRIJ	Bio Preto.	51.24
PQIB	Amazonas.	37.53	PRCM	Rio de Janeiro.	35.05	PRIJ	Bahia.	75
PQIC	Amazonas.	20.82	PRCN	Rio de Janeiro.	34.965	PRIJ	Bahia.	34.88
PQJD	Benjamin Constant.	174	PRCO	Rio de Janeiro.	28.45	PRIJ	Bahia.	34.48
PQJA	Minas Geraes.	102.7	PRCP	Rio de Janeiro.	25	PRIK	Caravellas.	75
PQJB	Minas Geraes.	37.807	PRCQ	Rio de Janeiro.	22.59	PRIK	Caravellas.	34.88
PQJC	Minas Geraes.	20.804	PRCR	Rio de Janeiro.	22	PRIK	Caravellas.	34.48
PQKK	Maraba.	102.24	PRCS	Rio de Janeiro.	21.645	PRIK	Rio de Janeiro.	34.88
PQKA	Maraba.	38	PRCT	Rio de Janeiro.	21.24	PRIK	Fernando de Noronha.	75
PQKB	Maraba.	37.77	PRCU	Rio de Janeiro.	20.006	PRIK	Fernando de Noronha.	34.88
PQKC	Maraba.	20.768	PRCV	Rio de Janeiro.	19.48	PRIK	Fernando de Noronha.	34.48
PQLC	Labrea.	101.7	PRCW	Rio de Janeiro.	19.32	PRIK	Rio de Janeiro.	34.48
PQLD	Labrea.	37.735	PRCX	Rio de Janeiro.	15.457	PRJW	Florianopolis.	75
PQLE	Labrea.	20.71	PRCY	Rio de Janeiro.	14.23	PRJX	Florianopolis.	34.88
PQMF	Manaos.	20.134	PRCZ	Rio de Janeiro.	53.56	PRJY	Florianopolis.	34.48
PQMG	Manaos.	100.5	PRD	Gayaz.	33.04	PRK	Florianopolis.	27.13
PQMA	Manaos.	51.107	PRDA	Rio de Janeiro.	36.10	PRKA	Maceio.	75
PQMB	Manaos.	42.887	PRDB	Fortaleza.	44.09	PRKC	Maceio.	34.88
PQMC	Manaos.	37.57	PRDC	Fortaleza.	27.9	PRKD	Maceio.	34.48
PQMD	Manaos.	28.195	PRDD	Fortaleza.	23.264	PRKE	Natal, Norte.	75
PQME	Manaos.	20.68	PRDF	Fortaleza.	147	PRKF	Natal, Norte.	34.88
PQMF	Manaos.	14.49	PRDG	Paranagua.	43.96	PRKH	Natal, Norte.	34.48
PQMG	Manaos.	14.39	PRDH	Paranagua.	31.712	PRKI	Santos.	75
PQNA	Senua.	99.67	PRDI	Paranagua.	23.17	PRKK	Santos.	34.88
PQNB	Senua.	44.28	PRDJ	Paranagua.	145.6	PRKL	Santos.	34.48
PQNC	Senua.	37.45	PRDK	Bello Horizonte.	43.77	PRKM	Pelotas.	75
PQND	Senua.	20.63	PRDL	Bello Horizonte.	32.26	PRKO	Pelotas.	34.88
PQO	Alcolacica.	160, 99.35, 37.38,	PRDM	Bello Horizonte.	28.638	PRKP	Pelotas.	34.48
PQOA	Alcolacica.	20.55	PRDN	Maceio.	30.87	PRKQ	Porto Alegre.	75
PQOB	Alcolacica.	99.34	PRDO	Natal, Norte.	24.74	PRKS	Porto Alegre.	34.88
PQOC	Alcolacica.	37.38	PRDP	Mossoro.	43.509	PRKT	Porto Alegre.	34.48
PQOD	Alcolacica.	37.24	PRDQ	Mossoro.	34	PRKU	Victoria.	75
PQOE	Alcolacica.	20.55	PRDR	Mossoro.	23.09	PRKW	Recife.	75
PQP	S. Paulo de Olivenca.	99.02	PRDS	Mossoro.	143.6	PRKY	Recife.	34.88
PQPA	S. Paulo de Olivenca.	45.045	PRDT	Natal, Norte.	43.42	PRKZ	Recife.	34.48
PQPB	S. Paulo de Olivenca.	37.29	PRDU	Natal, Norte.	39.3	PRL	Victoria.	61.98
PQPC	S. Paulo de Olivenca.	20.478	PRDV	Natal, Norte.	38.12	PRLA	Sepeiba.	25.93
PQPD	Livramento.	86.09	PRDW	Natal, Norte.	34	PRLB	Sao Paulo.	56.6
PQPF	Livramento.	32.19	PRDX	Natal, Norte.	28.50	PRLC	S. Paulo.	37.735
PQPH	Livramento.	24.71	PRDY	Natal, Norte.	23.04	PRLD	S. Paulo.	28.195
PQPI	Campinas.	85.47	PRDZ	Natal, Norte.	143.9	PRLF	Sepeiba.	51.87
PQPJ	Campinas.	32.05	PRE	Bello Horizonte.	144.9	PRLG	Sepeiba.	25.93
PQQ	Campinas.	24.77	PREA	Rio de Janeiro.	27.08	PRLK	Niteroy.	133.4
	Carauary.	98.69, 45.98, 37.24,	PREB	Araraqua.	38.47	PRLL	Recife.	14.09
		20.43		Duartina.		PRLM	Bahia.	44.12

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

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.....	
PRLO	Bahia.....	25.8	PRRV	Bea 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.....	97.41	PSC	Marapicu.....	19.907
PRLS	Lages.....	43.658	PRSC	Bahia.....	53.47	PSD	Marapicu.....	20.08
PRLT	Lages.....	25.168	PRSD	Bahia.....	33.73	PSE	Marapicu.....	20.43
PRLU	Lages.....	144.2	PRSE	Bahia.....	24.05	PSF	Marapicu.....	27.881
PRLV	S. Francisco.	44.71	PRSF	Porto Alegre.....	53.47	PSG	Marapicu.....	29.354
PRLW	S. Francisco.	43.2	PRSG	Porto Alegre.....	33.73	PSH	Marapicu.....	29.64
PRLX	S. Francisco.	23.01	PRSH	Porto Alegre.....	24.05	PSI	Marapicu.....	31.06
PRLY	S. Francisco.	142.2	PRSL	Belem.....	97.41	PSJ	Marapicu.....	36.65
PRM	Victoria.....	54.15	PRSM	Belem Para.....	53.47	PSK	Marapicu.....	37.807
PRMA	Rio de Janeiro.....	50.4	PRSN	Belem Para.....	33.73	PSL	Marapicu.....	51.68
PRMB	Barbacena.....	50.2	PRSO	Belem Para.....	24.05	PSM	Irecife.....	14.39
PRMC	Carangola.....	60.2	PRSP	Rio de Janeiro.....	24.05	PSX	Sepetiba.....	43.59
PRMD	Diamantina.....	60.2	PRSQ	Rio de Janeiro.....	33.73	PSY	Sepetiba.....	38.56
PRME	Jamuraria.....	50.4	PRSR	Rio de Janeiro.....	97.41	PSZ	Rio de Janeiro.....	75.57
PRMF	S. Sebastiao.....	50.4	PRSS	Rio de Janeiro.....	53.47	PTA	Obidos.....	69.12
PRMG	Uberaba.....	50.335	PRST	Fortaleza.....	97.41	PTAC	Olidios Para.....	69.53
PRMH	Belo Horizonte.....	50.5	PRSU	Fortaleza.....	53.47	PTAD	Obidos Para.....	25.762
PRMI	Pirapora.....	50.5	PRSV	Fortaleza.....	33.73	PTAF	Itajuba.....	69.05
PRMJ	Juiz do Fora.....	50.5	PRSW	Fortaleza.....	24.05	PTAG	Palacio (Rio).....	68.97
PRMK	Pocos de Caldas.....	50.5	PRSY	Bahia.....	34.863	PTAH	Bello Horizonte.....	68.82
PRML	Paracatu.....	60.5	PRSZ	Paranagua.....	34.48	PTAI	Cacapara.....	68.54
PRMM	Oliveria.....	50.50	PRT	Salinas.....	27.247	PTAJ	Ipanemery.....	70.05
PRMP	Bello Horizonte.....	50.7	PRTA	Victoria.....	34.88	PTAL	Bella Vista.....	68.19
PRMW	Belo Horizonte.....	60	PRTB	Victoria.....	34.48	PTAN	Ponta Para.....	67.95
PRMX	Rio de Janeiro.....	50.167	PRTX	Portatil.....	32.22, 32.12, 32	PTAO	S. Paulo.....	67.88
PRMZ	Pocos de Caldos.....	50.335	PRTY	Portatil.....	32.22, 32.12, 32	PTAP	Rio de Janeiro.....	67.7
PRN	Victoria.....	27.1	PRTZ	Portatil.....	32.22, 32.12, 32	PTAR	Governor Petropolis.....	67.43
PRNA	Dom Pedro (Rio).....	67.27	PRU	Florianopolis.....	61.35	PTB	Belem, Para.....	75.38
PRNB	Bello Horizonte.....	37.08	PRUA	Aracatuba.....	33.84	PTBA	Rio de Janeiro.....	63.69
PRNC	Corynho.....	66.96	PRUB	Bauru.....	33.84	PTBB	Rio de Janeiro.....	54.744
PRND	Sao Paulo.....	66.82	PRUC	Sao Paulo.....	33.84	PTBD	Rio de Janeiro.....	63.56
PRNE	Carro 18A.....	36.9	PRUD	Boutecatu.....	33.84	PTBE	Rio de Janeiro.....	57.81
PRNF	Carro 20A.....	36.9	PRUE	Pres. of Brazil.....	33.84	PTBF	Rio de Janeiro.....	63.3
PRNG	Portatil.....	36.9	PRUF	Ribeirao.....	33.84	PTBH	Rio de Janeiro.....	59.17
PRNH	Portatil.....	36.9	PRUG	Sao Paulo.....	33.84	PTBJ	Rio de Janeiro.....	63.16
PRNI	Ibia.....	40.63	PRUH	S. Paulo.....	33.84	PTBK	Rio de Janeiro.....	58.94
PRNJ	S. Joao D' El Rey.....	40.93	PRUI	Sao Paulo.....	33.84	PTBL	Santos.....	58.82
PRNL	Barras do Piraby.....	36.83	PRUJ	Rio Preto.....	33.84	PTBM	Rio de Janeiro.....	63.02
PRNM	Bello Horizonte.....	38.95, 36.74	PRUK	Araquara.....	33.84	PTBN	Rio de Janeiro.....	59.76
PRNO	Montes Claros.....	36.74	PRUL	Itarare.....	33.84, 33.67, 33.04	PTBO	Itajuba.....	59.65
PRNR	S. Paulo Norte.....	37.17	PRUL	Itarare.....	33.84	PTBP	Ipanemery Goyaz.....	62.89
PRNS	Ribeirao Vermelho.....	40.84	PRUM	Onzeiro.....	33.84	PTBQ	Ipanemery Goyaz.....	25.696
PRNT	Carro 9A.....	36.9	PRUN	Aracatuba.....	33.67	PTBR	Joa Pessoa.....	26.304
PRNU	Lafayette.....	36.78	PRUD	Bauru, Sao Paulo.....	33.67	PTBS	S. Paulo.....	62.77
PRNV	Carro 10A.....	36.9	PRUP	S. Paulo.....	33.67	PTBT	S. Paulo.....	60.37
PRNW	Corynho.....	65.65	PRUQ	Boutecatu.....	33.67	PTCB	Bello Horizonte.....	25.72
PRNX	Corynho.....	37.27	PRUR	President of Brazil.....	33.67	PTCD	Bella Vista.....	25.68
PRNY	S. Paulo.....	36.74	PRUS	Ribeirao Preto.....	33.67	PTCE	Bella Vista.....	16.17
PRNZ	Army.....	36.97	PRUT	S. Paulo.....	33.67	PTCG	Cuyaba.....	59.40
PRO	Rio de Janeiro.....	36.6	PRUU	Assis, Sao Paulo.....	33.67	PTCH	Cubata.....	25.706
PROA	Olinda.....	62.24	PRUV	Sao Paulo.....	33.67	PTCI	S. Cruz (Rio).....	75.19
PROB	Rio de Janeiro.....	27.52	PRUX	Rio Preto.....	33.67	PTCJ	Curityba.....	69.88
PROC	Itajahy.....	27.5	PRUY	Araquara.....	33.67	PTCL	Corumba.....	59.06
PROD	Rio de Janeiro.....	35	PRUZ	Itarare, Sao Paulo.....	33.67	PTCM	Corumba.....	25.96
PROF	Rio de Janeiro.....	39.3	PRV	Cruzeiro.....	33.67	PTCO	Bahia.....	58.6
PROG	Laguna.....	64.67	PRVA	Florianopolis.....	33.04	PTCP	Bahia.....	22.06
PROI	Ibia.....	40.63	PRVB	Aracatuba.....	33.04	PTCQ	Bahia.....	16.41
PROJ	S. Joao' El Rey.....	40.98	PRVC	S. Paulo.....	33.04	PTCR	Recife.....	58.48
PROK	S. Joao.....	40.458	PRUD	Boutecatu.....	33.04	PTCS	Recife.....	25.09
PROL	Bello Horizonte.....	38.95	PRVE	Sao Paulo.....	33.04	PTCT	S. Luiz.....	16.55
PROM	Baria.....	39.38	PRVF	Ribeirao Preto.....	33.04	PTCV	Rio de Janeiro.....	58.37
PROO	Forniga.....	40.65	PRVG	S. Paulo.....	33.04	PTCW	Rio de Janeiro.....	18.821
PROQ	Bello Horizonte.....	36.74	PRVH	Assis, Sao Paulo.....	33.04	PTCX	Rio de Janeiro.....	14.521
PROR	Ribeirao.....	40.84	PRVI	Sao Paulo.....	33.04	PTD	Florianopolis.....	75
PROW	Rio de Janeiro.....	40.47	PRVJ	Rio Preto.....	33.04	PTDA	Victoria.....	58.14
PRP	Olinda.....	54.35	PRVK	Araquara.....	33.04	PTDB	Victoria.....	26.246
PRPA	Rio de Janeiro.....	96.308	PRVL	Itarare, Sao Paulo.....	33.04	PTDD	S. Luiz.....	57.92
PRPB	Porto Alegre.....	96.318	PRUM	Cruzeiro.....	33.04	PTDE	S. Luiz do Maranhao.....	27.347
PRPC	Porto Alegre.....	52.35	PRW	Florianopolis.....	26.98	PTDF	Rio de Janeiro.....	16.74
PRPD	Porto Alegre.....	34.863	PRWA	Taubate.....	52.447	PTDG	Rio de Janeiro.....	65.46
PRPE	Rio de Janeiro.....	52.35	PRWB	Taubate.....	84.27	PTDH	Rio de Janeiro.....	28.329
PRPF	Rio de Janeiro.....	34.863	PRWF	Ourem Para.....	80.65	PTDI	Rio de Janeiro.....	25.09
PRPG	Rio de Janeiro.....	27.52	PRWG	Ourem Para.....	38.97	PTDJ	Rio de Janeiro.....	17.28
PRPH	Bahia.....	96.308	PRWH	Ourem Para.....	29.354	PTDD	Rio de Janeiro.....	57.92
PRPI	Bahia.....	52.35	PRWJ	Parintins.....	80.86	PTDE	S. Luiz.....	27.347
PRPN	Natal Norte.....	96.308	PRWK	Parintins.....	50.977	PTDF	S. Luiz do Maranhao.....	16.74
PRPP	Parauanã.....	96.308	PRWL	Parintins.....	29.41	PTDG	Rio de Janeiro.....	65.46
PRPQ	Parauanã.....	52.35	PRWM	Parintins.....	23	PTDH	Rio de Janeiro.....	28.329
PRPR	Recife.....	33.48	PRWN	Victoria Piani.....	33.48	PTDI	Rio de Janeiro.....	25.09
PRPS	Santos.....	33.18	PRWO	Crato Ceara.....	33.44	PTDJ	Rio de Janeiro.....	17.28
PRPT	Santos.....	27.3	PRWP	Victoria Piani.....	88.89	PTDD	Rio de Janeiro.....	57.92
PRPU	Santos.....	22.65	PRWR	Crato Ceara.....	18.767	PTDE	S. Luiz.....	27.347
PRPX	Natal Norte.....	52.35	PRWS	Crato Ceara.....	88.62	PTDF	S. Luiz do Maranhao.....	16.74
PRPY	Natal Norte.....	34.863	PRWT	Porto Esperanca.....	33.22	PTDG	Rio de Janeiro.....	65.46
PRPZ	Natal Norte.....	25.66	PRWU	Porto Esperanca.....	18.59	PTDH	Rio de Janeiro.....	28.329
PRQ	Olinda.....	27.1919	PRWF	Ourem Para.....	88.10	PTDI	Rio de Janeiro.....	25.09
PRQA	Florianopolis.....	33.9	PRWG	Curetyba.....	31.25	PTDJ	Rio de Janeiro.....	17.28
PROB	Porto Uniao.....	33.70	PRWH	Curetyba.....	22.92	PTDD	Rio de Janeiro.....	57.92
PRQC	Herval.....	33.17	PRWY	Curetyba.....	138.2	PTDE	S. Luiz.....	27.347
PRQD	Joao Pessoa.....	51.68	PRX	Santos.....	61.61	PTDF	S. Luiz do Maranhao.....	16.74
PRQE	Espirito Santo.....	52.22	PRY	Santos.....	60.851	PTDG	Rio de Janeiro.....	65.46
PRQF	Floris.....	30.52	PRYA	Rio de Janeiro.....	33.94	PTDH	Rio de Janeiro.....	28.329
PRQG	Princzeza.....	52.35	PRYB	Bahia.....	33.94	PTDI	Rio de Janeiro.....	25.09
PRQH	Patos.....	52.45	PRYC	Bahia.....	70	PTDJ	Rio de Janeiro.....	17.28
PRQI	Parahyba.....	52.04	PRYD	Rio de Janeiro.....	70	PTDD	Rio de Janeiro.....	55.04
PRQJ	Parahyba.....	52.35	PRYS	Santos Sao Paulo.....	33.94	PTDE	Fortaleza.....	27.75
PRQK	Parahyba.....	52.22	PRZ	Santos.....	53.95	PTED	Fortaleza.....	54.95
PRQS	S. Jose do Egypto.....	30.53	PRZA	Jouzerio Bahia.....	25.74	PTEE	Campo Grande.....	27.68
PRQT	Triunpho.....	31.12	PRZB	Jouzerio Bahia.....	18.42	PTEG	Santos.....	25.07
PRQV	Vila de Conceicao.....	52.04	PRZC	Jouzerio Bahia.....	97.53	PTEH	Sorena Sao Paulo.....	54.844
PRRR	Salinas.....	62.49	PSA	Marapicu.....	14.23	PTEI	Sorena Sao Paulo.....	27.726
PRRA	Thome.....	52.91	PSABA	Rio de Janeiro.....		PTEL	S. Paulo.....	58.26
PRRB	Belém Para.....	52.91	PSABB	Sao Paulo.....		PTEM	S. Paulo.....	26.18
PRRC	Rio de Janeiro.....	28.60	PSABC	Miami.....		PTEO	Ponta Para.....	25.67
PRRD	Bahia.....	28.60	PSABD	Porto Alegre.....		PTEP	Ponta Para.....	16.27
PRRF	S. Paulo Norte.....	65.5	PSABE	Argentina.....		PTF	Fortaleza.....	74.26
PRRJ	Belém Para.....	44.06	PSABF	P-BDAC.....		PTG	Campo Grande.....	74.08
PRRK	Thome Assu.....	44.06				PTH	Lorenz.....	73.89
	Belém.....	38				PTJ	Fortaleza de S. Joao, Rio de Janeiro.....	73.34

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

23

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
PTK	Juiz de Fora	73.18	PVQD	Urbanoapolis	19.163	PWQB	Rio de Janeiro	56.08
PTL	Fortaleza Sage, Rio de Janeiro	73	PVR	Faro Para.	41.1	PWQC	Rio de Janeiro	48.465
PTM	S. Luzi do Maranhao	72.3	PVS	S. Miguel	38.02	PWQD	Rio de Janeiro	24.213
PTN	Parahyba	71.94	PVT	Floriano	91.61	PWP	Natal Norte	28.94
PTO	Victoria Espirito Santo	71.78	PVTA	Floriano	76.2	PWQF	Natal Norte	26.549
PTP	S. Paulo	71.61	PVTB	Floriano	34.27	PWQA	Anhatomirim	55.26
PTQ	Quartel General, Rio de Janeiro	71.27	PVTC	Floriano	19.19	PWQB	Anhatomirim	47.85
PTR	Recife	71.10	PVUD	Manacapuru	90.50	PWQC	Anhatomirim	25.66
PTS	Bahia	70.93	PVUB	Manacapuru	74.5	PWQD	Anhatomirim	23.97
PTT	Porto Alegre	70.1	PVUC	Manacapuru	33.89	PXAF	Governador	78.13
PTU	Santos	70.1	PVV	Arunandubá	19.08	PXB	Belém Para	80
PTV	Villa Militar, Rio de Janeiro	69.78	PVVA	Arunandubá	92.17	PXC	Rio de Janeiro	
PTW	Corumba, Matto Grosso	69.66	PVVB	Arunandubá	37		Centro de Aviação	77.32
PTX	Sande Guerla, Rio de Janeiro	69.5	PVVC	Arunandubá	34.34	PXD	Estado Major, Rio de Janeiro	77.12
PTY	Curetyba	69.45	PVVD	Arunandubá	19.21	PXE	Escola de Grumete,	
PTZ	Cuyaba	69.23	PVVF	Fonte Boa	13.979	PXG	Rio de Janeiro	79.36
PUA	Santos	27.06	PVWA	Fonte Boa	90.78	PXH	Mocanguê Rio.	76.93
PUAD	Almirante Jacaúguay		PVWB	Fonte Boa	76.4		Abrolhos	80.22, 53.67, 50.69, 29.24, 25.84
PUB	Juncos	61.22	PVWC	Fonte Boa	46.99	PXI	Willegaignon	76.34
PUC	Juncos	60.728	PVWD	Fonte Boa	34.09	PXJ	Bijo (Rio de Janeiro)	76.53
PUD	Juncos	53.78	PVX	Cachoeira	19.14	PXK	Rio de Janeiro Bay	77.52
PUE	Barra, Bahia	135.8, 40.41, 22.51	PVY	Igarape Miry	51.56	PXL	Sadario	78.74
PUF	Formiga	32.79, 24.5	PVZ	Boa Vista Para	36.88	PXM	S. Luiz de Maranhao	
PUG	Bahia	86.8, 55.3, 32.68, 24.54	PVIA	Boa Vista Para	80.22	PXO	Armação	77.72
PUH	Carolina	86.59, 32.57, 24.60	PVIF	S. Izabel	50.67	PXP	Florianopolis	78.95, 57.7, 53.28, 29.06, 26.65
PUI	Ibeos	135.2, 40.27, 22.32	PVIG	S. Izabel	80.43	PXPB	Florianopolis	78.95
PUJ	Joinville	86.34, 32.33, 24.65	PVZH	S. Izabel	50.56	PXQ	Rio Grande	75.76
PUK	Joao Pessoa	134.5, 40.02, 34, 22.23	PVZI	S. Izabel	29.325	PXR	Raza (Isle) Rio de Janeiro	76.73
PUL	Livramento	86.10, 32.19, 24.71	PWA	Fernando de Noronha	73.16	PXRG	Rio Grande do Sul	
PUN	Nictheroy	133.4, 61.11, 39.61, 27.32, 22.03	PWAA	Rio de Janeiro	77.92	PXS	Santos	75.95
PUO	Sobral	85.55, 39.95, 32.16, 22.116	PWAB	Rio de Janeiro	57.03	PXT	Acathomirim	76.14
PUP	Passo Fundo	95.33, 84.5, 24.77	PWAC	Rio de Janeiro	56.93	PXTL		
PUQ	Campinas	85.48, 32.05, 24.78	PWAF	Rio de Janeiro	52.82	PYA	Fernando de Noronha	75
PUR	S. Borja	85.24, 31.92, 24.84	PWAG	Rio de Janeiro	28.68	PYAH	Aquidamana	107.52
PUS	Santos	108.7, 39.55, 21.98	PWAH	Rio de Janeiro	28.61	PYAB	Aquidamana	43.59
PUT	Theophilo	115.9, 108.3, 21.89	PWAI	Rio de Janeiro	28.59	PYAC	Aquidamana	29.85
PUU	Uberaba	85.31, 85, 24.92	PWAJ	Rio de Janeiro	26.408	PYAD	Aquidamana	21.82
PUV	Porto Martinho	84.76, 38.27, 24.93	PWAK	Rio de Janeiro	25.146	PYAE	Pesquino	21.84
PUW	Parnahyba	84.52, 52.54, 31.06	PWAL	Rio de Janeiro	25.125	PYAF	Pesquino	18.56
PUX	Taubati	84.28, 52.45	PWAM	Rio de Janeiro	17.482	PYAG	Bage	83.8
PUY	Alto Uruguay	84.04, 52.35, 30.80	PWBA	Fernando de Noronha	17.41	PYAH	Bage	58.03
PUZ	Lazerato	107.9, 39.46, 34	PWBB	Belem Para	17.341	PYAI	Bage	52.22
PUV	Victor de Fretas	46.15	PWBC	Belem Para	53.38	PYAJ	Bage	30.67
PVA	Brasileia	94.49	PWBD	Belem Para	53.57	PYAL	Campos	83.57
PVA	Brasileia	51.19	PWBE	Belem Para	50.42	PYAM	Campos	52.13
PVA	Brasileia	47.49	PWBF	Belem Para	29.175	PYAM	Campos	51.24
PVA	Brasileia	34.82	PWBG	Belem Para	26.82	PYAO	Campos	30.55
PVA	Brasileia	19.47	PWCA	Fernando de Noronha	15.78	PYAQ	S. Maria Sul	82.87
PVA	Ibeos	135.2	PWCB	Rio de Janeiro	50.08	PYAR	S. Maria Sul	51.81
PVA	Ibeos	40.27	PWCC	Rio de Janeiro	55.5	PYAS	S. Maria Sul	29.97
PVA	Ibeos	22.32	PWCD	Rio de Janeiro	48.70	PYAZ	Pesquino	87.91
PVA	Ibeos	13.52	PWDD	Rio de Janeiro	25.05	PYEA	Goyaz	107.14
PVA	Ibeos	40.27	PWDE	Rio de Janeiro	24.331	PYBB	Goyaz	31.15
PVA	Ibeos	22.32	PWDF	Fernando de Noronha	29.098	PYBC	Goyaz	21.778
PVA	Joao Pissos	134.5	PWDA	Rio de Janeiro	56.29	PYBD	Uruguayan	82.64
PVA	Joao Pissos	40.026	PWDB	Rio de Janeiro	48.62	PYBG	Uruguayan	51.68
PVA	Joao Pissos	34	PWDC	Rio de Janeiro	28.517	PYEH	Dionysio Cerqueira	106.8
PVA	Joao Pissos	22.238	PWDD	Rio de Janeiro	16.09	PYEF	Dionysio Cerqueira	52.04
PVA	Maceio	133.9	PWDE	Rio de Janeiro	26.74	PYEL	Dionysio Cerqueira	44.7
PVA	Maceio	39.95	PWE	Fernando de Noronha	16.025	PYEM	Dionysio Cerqueira	21.75
PVA	Maceio	22.116	PWEA	Rio de Janeiro	53.47	PYEN	Sobral	85.55
PUB	Borba	94.21	PWEB	Rio de Janeiro	50.25	PYEP	Sobral	32.15
PUB	Borba	40.398	PWEC	Rio de Janeiro	29.16	PYEQ	Fernando de Noronha	34.88
PUB	Borba	19.43	PWED	Rio de Janeiro	26.74	PYER	Carolina	86.58
PVC	Coary	93.46	PWF	Fernando de Noronha	64.655	PYET	Coary	57.526
PVC	Coary	50.85	PWFA	Rio de Janeiro	64.655	PYCF	Carolina	32.57
PVC	Coary	43.14	PWFB	Rio de Janeiro	56.179	PYCG	Carolina	24.59
PVC	Coary	45.98	PWFC	Rio de Janeiro	48.543	PYCH	Montenegro	51.41
PVC	Coary	25.4	PWFD	Rio de Janeiro	24.25	PYCI	Montenegro	29.68
PVC	Coary	19.385	PWGA	Abrolhos	53.67	PYCL	Lazareto	107.9
PVE	Abati	51.90	PWGB	Abrolhos	50.59	PYCM	Lazareto	44.91
PVF	Vila Feijo	93.17	PWGC	Abrolhos	29.24	PYCO	Lazareto	39.447
PVG	Montenegro	81.97	PWGD	Abrolhos	26.84	PYCP	Lazareto	34
PVH	Caracaráhy	81.76	PWH	S. Luiz de Maranhao	78.33	PYCQ	Blumenau	137
PVH	Caracaráhy	34.74	PWHA	Rio de Janeiro Bay	64.11	PYCR	Blumenau	47.76
PVH	Caracaráhy	29.64	PWHB	Rio de Janeiro Bay	55.87	PYCS	Pelotas	22.63
PVH	S. Borja	85.23	PWHC	Rio de Janeiro Bay	47.92	PYCT	Barra Bahia	40.41
PVH	S. Borja	31.91	PWHO	Rio de Janeiro Bay	24.05	PYCU	Barra Bahia	29.01
PVH	S. Borja	24.834	PWI	S. Luiz de Maranhao	57.14	PYCV	Barra Bahia	22.51
PVH	S. Borja	21.46	PWIA	Rio de Janeiro	64.24	PYCW	Porto Alegre	30.03
PVH	Uberaba	84.98	PWIB	Rio de Janeiro	55.97	PYCX	Lazareto	10.9
PVH	Uberaba	31.85	PWIC	Rio de Janeiro	48.076	PYCY	Lazareto	44.91
PVH	Uberaba	24.92	PWID	Rio de Janeiro	24.12	PYCY	Barra Bahia	135.8
PVI	Itacoatiari	81.52	PWJ	S. Luiz de Maranhao	28.91	PYCY	Barra Bahia	44.91
PVI	Itacoatiari	29.527	PWJA	Rio de Janeiro Bay	63.97	PYCY	Barra Bahia	22.73
PVI	Itacoatiari	26.13	PWJB	Rio de Janeiro Bay	56.71	PYCY	Barra Bahia	34.47
PVI	Itacoatiari	81.52, 37.65, 29.52	PWJC	Rio de Janeiro Bay	56.63	PYCY	Porto Alegre	30.03
PVJ	Cachoeira	34.64	PWJD	Rio de Janeiro Bay	26.338	PYCY	Lazareto	34
PVJ	Baios	81.3	PWK	S. Luiz de Maranhao	26.502	PYCY	Blumenau	137
PVK	Baios	58.71	PWKA	Sadario	53.19	PYCY	Blumenau	47.76
PVK	Baios Para	51.15	PWKB	Sadario	29.01	PYCY	Pelotas	22.63
PVK	Baios Para	29.498	PWKC	Sadario	26.59	PYCY	Barra Bahia	40.41
PVL	Clevelandia	92.88	PWKD	Sadario	15.92	PYCY	Barra Bahia	29.01
PVL	Clevelandia	30.02	PWLA	Nictheroy	63.42	PYCY	Barra Bahia	22.51
PVL	Clevelandia	34.52	PWLB	Nictheroy	56.02	PYCY	Porto Alegre	30.03
PVW	Clevelandia	19.28	PWLC	Nictheroy	52.72	PYCY	Lazareto	10.9
PVM	Manicore	92.46	PWLD	Nictheroy	26.36	PYCY	Barra Bahia	138.9
PVM	Manicore	35.05	PWM	Natal Norte	78.53	PYCY	Fernando de Noronha	34.48
PVMB	Manicore	34.4	PWMA	Florianopolis	57.7	PYCY	Aracaju	137.6
PVMB	Manicore	19.24	PWMB	Florianopolis	53.28	PYCY	Aracaju	37.01
PVN	Porto Nacional	83.14	PWMC	Florianopolis	29.06	PYCY	Aracaju	22.73
PVO	Obidos	81.08	PWMD	Florianopolis	26.642	PYCY	Aracaju	37.01
PVO	Obidos Para	51.07	PWN	Natal Norte	57.25	PYCY	Aracaju	37.01
PVO	Obidos Para	28.47	PWNA	Rio Grande Sul	55.56	PYCY	Aracaju	37.01
PVO	Obidos Para	24.29	PWNB	Rio Grande Sul	47.7	PYCY	Aracaju	37.01
PVP	Marapanim	39.06	PWNC	Rio Grande Sul	28.409	PYCY	Aracaju	37.01
PUPA	Marapanim	39	PWNO	Rio Grande Sul	23.847	PYCY	Aracaju	37.01
PVQ	Urbanopolis	91.32, 76.3, 34.23, 24.4, 19.16	PWO	Natal Norte	53.1	PYCY	Aracaju	37.01
PVQ	Urbanopolis	76.3	PWOA	Rio de Janeiro	64.38	PYCY	Aracaju	37.01
PVQ	Urbanopolis	34.23	PWPB	Santos	55.658	PYCY	Aracaju	37.01
PVQ	Urbanopolis	24.4	PWPC	Santos	47.77	PYCY	Aracaju	37.01
PVQ	Urbanopolis	24.4	PWPD	Santos	28.463	PYCY	Aracaju	37.01
PVQ	Urbanopolis	24.4	PWPD	Santos	23.92	PYCY	Aracaju	37.01

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
PYV	Porto Alegre.....	34.48	RBX	Moscow.....	100, 20	RDR	Arkhangelsk.....	60, 20
PYVA	Joinville.....	32.33	RBZ	Tchou.....	84.65, 48.94	RDRL	Leningrad.....	28.50
PYVB	Joinville.....	24.752	RCA	Garm.....	75.5, 32.5	RDT	Limenda.....	60, 20
PYVC	Joinville.....	24.64	RCAA	Slobutsk.....	40	RDU	Okhotak.....	49
PYVD	Joinville.....	86.33	RCAB	Mogilev.....	69.6, 58.71	REA1	Ioujok.....	82, 66
PYVE	Arrayas.....	33.05	RCAC	Minsk.....	51.72	REA2	Matkenia.....	82, 66
PYVF	Arrayas.....	20.82	RCAD	Minsk.....	46.72	REA3	Kangora.....	82, 66
PYW	Recife.....	75	RCAE	Lechititz.....	82, 66	REA4	Sogoja Verkhniata.....	82, 66
PYWA	Diamantina.....	32.9	RCAF	Narovi.....	82, 66	REAS	Iana.....	82, 66
PYWB	Diamantina.....	30.86	RCAG	Tourov.....	82, 66	REAS	Loukot.....	82, 66
PYWC	Diamantina.....	87.356	RCAH	Petrikov.....	82, 66	REAB	Yribinck.....	82, 66
PYWE	Cuyaiba.....	136.4	RCAI	Liouban.....	82, 66	REAC	Urievets.....	101.35, 82, 66
PYWF	Cuyaiba.....	30.49	RCAJ	Starboir.....	82, 66	READ	Perchenievo.....	101.35, 82, 66
PYWG	Cuyaiba.....	22.56	RCAK	Bogomil.....	82, 66	REAE	Tchoukhlima.....	101.35, 82, 66
PYXA	Floriano.....	33.67	RCAL	Glousk.....	82, 66	REAF	Ivan Kovo Slavinka.....	101.35, 82, 66
PYXB	Floriano.....	28.355	RCAM	Kitehev.....	82, 66	REAG	Makariev.....	101.35, 82, 66
PYXC	Floriano.....	18.91	RCAN	Paritchi.....	82, 66	REAH	Nieia.....	101.35, 82, 66
PYXD	Floriano.....	89.15	RCAO	Propoisk.....	82, 66	REAI	Potchinok.....	101.35, 82, 66
PYXG	Formiga.....	87.08	RCAP	Tchetchersk.....	82, 66	REAJ	Seminowskoe.....	101.35, 82, 66
PYXE	Formiga.....	32.79	RCAQ	Tcherikov.....	82, 66	REAK	Pasma Slavinka.....	101.35, 82, 66
PYXF	Formiga.....	24.483	RCAR	Belynitchi.....	82, 66	REAL	Kadyi.....	101.35, 82, 66
PYY	Recife.....	34.88	RCAS	Soura.....	82, 66	REAM	Spas Chartanovo.....	101.35, 82, 66
PYYE	Therphilo Ottoui.....	115.83	RCAT	Gomel.....	82, 66	REAN	Perevijka.....	82, 80, 68, 66, 40.5
PYYF	Therphilo Ottoui.....	108.3	RCAU	Mozyr.....	82, 66	REAO	Perevijka.....	82, 80, 68, 66, 40.5
PYYG	Therphilo Ottoui.....	77	RCAV	Polotsk.....	82, 66	REAP	Tchoukhlima.....	64.38, 40.87
PYYH	Therphilo Ottoui.....	21.881	RCAW	Vitelisk.....	82, 66	REQ	Pechekhonio.....	64.24, 40.76
PYYJ	Therezina.....	33.73	RCAX	Bobrouisk.....	82, 66	REAR	Viazniki.....	72.12, 71.09
PYYK	Therezina.....	16.93	RCAY	Borisov.....	82, 66	REAS	Choua.....	81.3
PYYL	Therezina.....	89.42	RCB	Kouliab.....	60.5, 33.5	REAZ	Viazniki.....	82, 68, 66
PYZ	Recife.....	34.48	RCC	Tchoumikan.....	60	REIA	Alma Ata.....	61
PYZC	Passo Fundo.....	96.308	RCN1	Kerbi.....	40	REIG	Akmolinsk.....	69.77, 51.72
PYZD	Passo Fundo.....	84.5	RCN2	Simferopol.....	84.87, 42.84	REIH	Oursak.....	53.86
PYZE	Passo Fundo.....	39.5	RCN3	Simferopol.....	69.12, 49.5	REII	Kazek Republie.....	82, 80, 68, 66, 40.5
PYZF	Passo Fundo.....	24.762	RCN4	Simferopol.....	69.12, 48.5	REIK	Kopetroplevsk.....	68.627, 48.54
PYZH	Alto Uruguay.....	141.5	RCN5	Kertch Crimea.....	22.002	REIL	Kooemrad.....	60.728
PYZI	Alto Uruguay.....	84.03	RCN6	Naikan.....	39.5	REIM	Alma Ata.....	87.464, 74.07
PYZJ	Alto Uruguay.....	76.8	RCN7	Palana.....	82	REIN	Parlodar.....	70.93
PYZK	Alto Uruguay.....	52.35	RCN8	Portable.....	80	REIO	Semipalatinsk.....	71.27
PYZL	Alto Uruguay.....	30.801	RCN9	.....	68	REIP	Vozrogdinie.....	57.6
PYZM	Parahyba.....	52.64	RCN10	.....	66	REIQ	Kazakskaiia.....	58.59
PYZN	Parahyba.....	31.06	RCN11	.....	.....	REIR	Bourl Boukku.....	71.94, 47.92
PYZO	Parahyba.....	84.5	RCN12	.....	.....	REIV	Alma Ata.....	71.09, 48.31
PYZP	Villa Feijo.....	52.13	RCN13	.....	.....	REJ	Koustanai.....	59.64
PYZQ	Villa Feijo.....	34.56	RCN14	.....	.....	REJK	Karskai.....	62.24, 39.85
PYZR	Villa Feijo.....	183	RCN15	.....	.....	REJN	Aralskoe More.....	46.37
PYZT	Porto Nacional.....	51.95	RCN16	.....	.....	REJO	Semipalatinsk.....	68.65, 49.42
PYZV	Porto Nacional.....	36.05	RCN17	.....	.....	REJP	Alagorez.....	48.47, 34.82
PYZW	Porto Nacional.....	30.24	RCN18	Vizarma.....	60	REQJ	Ganiouchkino.....	53.5
PYZX	Santos.....	39.56	RCN19	Okheat.....	69.44, 49.59	REJR	Aoulie Ata.....	99.67, 49.5
PYZY	Santos.....	21.98	RCN20	Soukhintchi.....	68.807, 49.26	REJS	Alma Ata.....	69.12, 35.15
	Santos.....	100.7	RCN21	Bobrouisk.....	68.18, 48.7	REJT	Lepea.....	96, 48.70
			RCN22	Roslavis.....	69.12, 49.42	REJU	Petropavlovsk.....	67.57
			RCN23	Smolensk.....	68.966, 49.25	REJV	Semipalatinsk.....	58.84, 37.03
			RCN24	Smolensk.....	82, 66	REJW	Oursak.....	58.50, 30
			RCN25	Ukhnovo.....	82, 66	REP	Repalask.....	60.5
			RCN26	Toropets.....	82, 66	REQ	Ganiouckino.....	53.5
			RCN27	Seltjarovo.....	82, 66	REER	Ouralesk.....	59.3
			RCN28	Nedhovo.....	82, 66	RET	Podbelskogo.....	37
			RCN29	Velji.....	82, 66	REU	Rostov Sur Le Don.....	80, 40
			RCN30	Kozolki.....	82, 66	REV	Krasnodar.....	80, 40
			RCN31	Peno.....	82, 66	REW	Kalatch.....	80, 40
			RCN32	Briansk.....	66.37	REX	Indigo Boukhtu.....	83.56, 29.69
			RCN33	Smolensk.....	63.29	REY	Krasnojarsk.....	100, 35
			RCO1	Portable.....	82	RFA	Astrakhan.....	75, 45
			RCO2	.....	80	RFAF	Toula.....	47.54
			RCO3	.....	68	RFAF	Moscow.....	82, 80, 68, 66, 40.5
			RCO4	.....	66	RFAF	Moscow.....	43
			RCO5	.....	.....	RFAJ	Moscow.....	75, 51
			RCO6	.....	.....	RFAK	Moscow.....	68.34, 26.22
			RCO7	.....	.....	RFAI	Moscow.....	48.62, 26
			RCP	Siberia.....	27	RFAJ	Moscow.....	86.96, 14.77
			RCQA	Koutias.....	80.43	RFAK	Koutchino.....	70.1
			RCQB	Tibia.....	75, 42.49	RFAF	Moscow.....	51.28
			RCQC	Bakou.....	73.35, 42.37	RFAF	Koutchino.....	39.47, 34.88
			RCQE	Saliany.....	88.76, 70.59	RFAF	Moscow.....	51.53
			RCQF	Bakou.....	89.82, 71.09	RFAO	Moscow.....	87.46, 85.23, 76.53
			RCQG	Tidia.....	88.76	RFAP	Moscow.....	81.63, 40.73
			RCQH	Sabir Akad.....	83.541	RFAP	Moscow.....	70.75, 46.95
			RCQI	Sabir Abad.....	43.541	RFAP	Soupkheve.....	88.49, 71.09
			RCQJ	Salahany.....	64.103	RFAP	Bykovo.....	74.63, 42.67
			RCQK	Agdam.....	46.875	RFAP	Moscow.....	51.72
			RCQL	Zakataly.....	52.356	RFAS	Moscow.....	87.719, 74.813
			RCQM	Tidias.....	87.209, 74.25	RFAT	Moscow.....	85.227, 73.89
			RCQN	Tidias.....	69.44, 48.7	RFAU	Moscow.....	86.46, 74.84
			RCQO	Kuringno.....	52.724	RFAW	Moscow.....	87.209, 43.35
			RCQP	Kelbadjary.....	65.645	RFAY	Moscow.....	68.03
			RCQZ	Kazakh.....	77.922	RFAY	Moscow.....	89.82, 71.09
			RCQR	Bakou.....	150	RFBB	Moscow.....	89.82, 21.43
			RCQV	Ufis Rdo Center.....	78.33	RFBD	Mojaisk.....	82, 80, 68, 66, 40.5
			RCQX	Linianakan.....	63.16	RFBJ	.....	82, 80, 68, 66, 40.5
			RCR	Alagez.....	50.51	RFBL	Moscow Airport.....	86.96, 42.7
			RCRL	Tidias.....	51.11	RFBN	Pestova.....	101.35, 82, 66
			RCRS	Tilitchki.....	63	RFBO	Vesigorsk.....	101.35, 82, 66
			RCT1	Kazan.....	82, 68, 66	RFBP	Portable.....	82, 80, 68, 66, 40.5
			RCTA	Kazan.....	75.76, 43.1	RFBQ	Portable.....	82, 80, 68, 66, 40.5
			RCTB	Mamadych.....	82, 68, 66	RFBS	Moscow Radio centu.....	68.57, 35.19
			RCTC	Kazan.....	82, 68, 66	RFBU	Moscow Radio centu.....	76.14, 76.05, 75.95
			RCTD	Ukhamatchi.....	82, 68, 66	RFBV	Moscow Radio centu.....	69.20, 69.12, 69.04, 35.27, 35.25, 35.23
			RCTE	Salakhh.....	82, 68, 66	RFBX	Portable.....	82, 80, 68, 66
			RCTF	Soublanie.....	82, 68, 66	RFC	Khabarovsk.....	56
			RCTG	Tachkhanoskoc.....	82, 68, 66	RFF	Unerpropetrovsk.....	68, 14
			RCTH	Rybno Slobodskoe.....	82, 68, 66	RFH	Moninak.....	59
			RCTI	Sopatino.....	82, 68, 66	RFI	Tachkent.....	74
			RCTJ	Tehistopol.....	82, 68, 66	RFM	Khabarovsk.....	70.2
			RCTK	Tehely.....	82, 68, 66	RFN	Khabarovsk.....	64
			RCTN	Kazan.....	98.58, 68.49	RFOA	Peredvijka.....	41.7
			RCTO	Nijne.....	55.2	RFP	Novosibirsk.....	46, 42
			RCTP	Oueine.....	54	RFOQ	Krasnojarsk.....	68, 44
			RCTQ	Alexandrovsk.....	55	RFR	Igarka.....	37
			RCTR	Odessa.....	120, 74, 45, A1-3	RFS	Koureika.....	51.37
			RCTS	Ouchtuba.....	76.5, 46.5, 32	RFT	Alan.....	75.95, 35.02
			RDG	Sredne.....	57			
			RDJ	Doukha Srelaini.....	68			
			RDK	Semipalatinsk.....	71, 57, 31			
			RDL	Tachkent.....	45, 30			
			RDQ	Perm.....	38.2, 30			

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
RBF	Aizgonz.....	76, 46, 32.5	RCY	Alexandrovsk.....	55	RFM	Khabarovsk.....	70.2
RGB	Avulie Ata.....	78, 62, 33	RDA	Odessa.....	120, 74, 45, A1-3	RFN	Khabarovsk.....	64
RBH	Arys.....	76, 46, 30	RDF	Ouchtuba.....	76.5, 46.5, 32	RFOA	Peredvijka.....	41.7
RBJ	Alma Ata.....	78, 52, 27.5	RDG	Sredne.....	57	RFP	Novosibirsk.....	46, 42
RBP	Frounze.....	78, 52, 33	RDI	Doukha Srelaini.....	68	RFR	Krasnojarsk.....	68, 44
RBQ	Kazan.....	84, 65	RDJ	Semipalatinsk.....	71, 57, 31	RFS	Igarka.....	37
RBS	Kiev.....	82, 48	RDL	Tachkent.....	45, 30	RFT	Koureika.....	51.37
RBT	Leningrad.....	72, 51, 23	RDQ	Perm.....	38.2, 30			75.95, 35.02
RBW	Oueraski.....	58, 50.8, 30						

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

25

Call Letters	Location	Wavelength meters	Call Letters	Location	Wavelength meters	Call Letters	Location	Wavelength meters
RFX	Doudinka	28.12	RGEK	Dobes	82, 66	RHAQ	Vladmai	71,942
RGA	Khabarovsk	32	RGEL	Zoura	82, 66	RHAR	Zoubwka	21,829
RGA	Nijni Novgorod	82, 66	RGEM	Sviatogory	82, 66	RHAS	Titovka	70,922
RGAB	Peredvijka	82, 80, 68, 66, 40.5	RGEN	Tcheboksary	82, 66	RHAT	Leningrad	100,33
RGAC	Peredvijka	82, 80, 68, 66, 40.5	RGED	Ulianka	82, 66	RHAU	Ouchaki	102,04
RGAD	Peredvijka	82, 80, 68, 66, 40.5	RGEF	Ladri	82, 66	RHAV	Konevo	101,35, 82, 66
RGAE	Peredvijka	82, 80, 68, 66, 40.5	RGEQ	Forets	82, 66	RHAW	Pachski Perevoz	101,35, 88, 66
RGAF	Peredvijka	82, 80, 68, 66, 40.5	RGER	Altayr	82, 66	RHAX	Leningrad	75,95, 42,41
RGAG	Peredvijka	82, 80, 68, 66, 40.5	RGES	Chinourcha	82, 66	RHAY	Leningrad	100,67
RGAH	Peredvijka	82, 80, 68, 66, 40.5	RGET	Vakhtan	82, 66	RHAZ	Teherepovets	101,35, 82, 66
RGAI	Peredvijka	82, 80, 68, 66, 40.5	RGEU	Pijma	82, 66	RHB	Tourkmenskoe	61
RGAJ	Peredvijka	82, 80, 68, 66, 40.5	RGEV	Chakhounia	82, 66	RHB1	Domojirov	101,35, 82, 66
RGAK	Iar	51,55	RGEW	Linda	82, 66	RHB2	Alekbovstchim	101,35, 82, 66
RGAN	Viatka	49,59	RGEX	Balakhna	82, 66	RHB3	Vintizy	101,35, 82, 66
RGAO	Mourom	88,49, 71,09	RGEY	Pavlevo	82, 66	RHB4	Ladva	101,35, 82, 66
RGAP	Nijni Novgorod	84,03, 55,82	RGEZ	Pochatov	82, 66	RHB5	Noidala	101,35, 82, 66
RGAQ	Ijeesk	80,86, 52,17	RGF	Doudinka	68	RHB6	Loukino	101,35, 82, 66
RGAR	Viatka	71,09, 36,1	RGF1	Portable	82	RHB7	Chougozero	102,38
RGAS	Nijni Novgorod	93,17, 71,09	RGF2	Portable	80	RHB8	Bokeitovje	100,3
RGAT	Seinia	75,19, 42,92	RGF3	Portable	68	RHB9	Novgorov	106,8
RGAU	Kovergerio	82, 66	Portable	66	RHB10	Leningrad	82, 80, 68, 66, 40.5	
RGAV	Demilwskoe	82, 66	Portable	40.5	RHB11	Leningrad	59,6, 48,7	
RGAW	Khakhan	82, 66	Portable	82, 66	RHB12	Leningrad	48,39	
RGAX	Lyskovo	82, 66	Portable	82, 66	RHB13	Leningrad	101,35, 82, 66	
RGAY	Mikhailovskoe	82, 66	Portable	82, 66	RHB14	Vonozero	101,35, 82, 66	
RGAZ	Kotenech	87,97, 48	Portable	82, 66	RHB15	Re-bovitehi	101,35, 82, 66	
RGBA	Bolechau Kakcha	82, 66	Portable	101,35, 82, 66	RHB16	Vytigia	101,35, 82, 66	
RGBB	Betlouga	82, 66	Portable	82, 66	RHB17	Oustujka	101,35, 82, 66	
RGBC	Sterlitzi Zarad	82, 66	Portable	82, 66	RHB18	Kholora	101,35, 82, 66	
RGBD	Varnavino	82, 66	Portable	80,43	RHB19	Bely Bytchok	101,35, 82, 66	
RGBE	Veltoujskata	82, 66	Portable	69,76	RHB20	Belozersk	82, 80, 68, 66	
RGBF	Ouren	82, 66	Portable	82, 51,63	RHB21	Novgorod	101,35, 82, 66	
RGBG	Elkino	82, 66	Portable	80, 68, 66	RHB22	Semoutino	101,35, 82, 66	
RGBH	Voskreseñhoe	82, 66	Portable	80, 68, 66	RHB23	Portable	82, 68, 66, 40,5	
RGBI	Kosmodemiansk	82, 66	Portable	80, 68, 66	RHB24	Portable	82, 68, 66, 40,5	
RGBJ	Viatka	82, 66	Portable	80, 68, 66	RHB25	Portable	82, 68, 66, 40,5	
RGBK	Viatka	82, 66	Portable	80, 68, 66	RHB26	Portable	82, 68, 66, 40,5	
RGBL	Onoutinsk	82, 66	Portable	80, 68, 66	RHB27	Portable	82, 68, 66, 40,5	
RGBM	Peskevako	82, 66	Portable	80, 68, 66	RHB28	Portable	82, 68, 66, 40,5	
RGBN	Polem	82, 66	Portable	80, 68, 66	RHB29	Portable	82, 68, 66, 40,5	
RBGO	Kholounitsa Oustie	82, 66	Portable	80, 68, 66	RHB30	Portable	82, 68, 66, 40,5	
RGPO	Moulineo	82, 66	Portable	80, 68, 66	RHB31	Portable	82, 68, 66, 40,5	
RGHQ	Kobra	82, 66	Portable	80, 68, 66	RHB32	Portable	82, 68, 66, 40,5	
RGHS	Soza Oustie	82, 66	Portable	80, 68, 66	RHB33	Portable	82, 68, 66, 40,5	
RGHT	Tehernia Oustie	82, 66	Portable	80, 68, 66	RHB34	Portable	82, 68, 66, 40,5	
RGHU	Snegorie	82, 66	Portable	80, 68, 66	RHB35	Portable	82, 68, 66, 40,5	
RGHV	Fedorovka Oustie	82, 66	Portable	80, 68, 66	RHB36	Portable	82, 68, 66, 40,5	
RGHW	Nikolaev	82, 66	Portable	80, 68, 66	RHB37	Portable	82, 68, 66, 40,5	
RGHX	Mytietz	82, 66	Portable	80, 68, 66	RHB38	Portable	82, 68, 66, 40,5	
RGBY	Nordouk	82, 66	Portable	80, 68, 66	RHB39	Portable	82, 68, 66, 40,5	
RGBY	Letka Oustie	82, 66	Portable	80, 68, 66	RHB40	Portable	82, 68, 66, 40,5	
RGHZ	Kazanka	82, 66	Portable	80, 68, 66	RHB41	Portable	82, 68, 66, 40,5	
RGCI	Kourcika	56,05	Portable	80, 68, 66	RHB42	Portable	82, 68, 66, 40,5	
RGCH	Prokopiev	82, 66	Portable	80, 68, 66	RHB43	Portable	82, 68, 66, 40,5	
RGCI	Letka	82, 66	Portable	80, 68, 66	RHB44	Portable	82, 68, 66, 40,5	
RGCC	Slobodakoi	82, 66	Portable	80, 68, 66	RHB45	Portable	82, 68, 66, 40,5	
RGCD	Zouevka	82, 66	Portable	80, 68, 66	RHB46	Portable	82, 68, 66, 40,5	
RGCE	Iarovka	82, 66	Portable	80, 68, 66	RHB47	Portable	82, 68, 66, 40,5	
RGCF	Bystritsa Oustie	82, 66	Portable	80, 68, 66	RHB48	Portable	82, 68, 66, 40,5	
RGCG	Krasnoe Lito	82, 66	Portable	80, 68, 66	RHB49	Portable	82, 68, 66, 40,5	
RGCH	Fitika	82, 66	Portable	80, 68, 66	RHB50	Portable	82, 68, 66, 40,5	
RGCI	Mouraehi	82, 66	Portable	80, 68, 66	RHB51	Portable	82, 68, 66, 40,5	
RGCC	Velikina Reka	82, 66	Portable	80, 68, 66	RHB52	Portable	82, 68, 66, 40,5	
RGCK	Iouria	82, 66	Portable	80, 68, 66	RHB53	Portable	82, 68, 66, 40,5	
RGCL	Verkkovino	82, 66	Portable	80, 68, 66	RHB54	Portable	82, 68, 66, 40,5	
RGCM	Velekic Goltzy Oustie	82, 66	Portable	80, 68, 66	RHB55	Portable	82, 68, 66, 40,5	
RGCN	Verkliaia Maloma	82, 66	Portable	80, 68, 66	RHB56	Portable	82, 68, 66, 40,5	
RGCO	Chaboury	82, 66	Portable	80, 68, 66	RHB57	Portable	82, 68, 66, 40,5	
RGCP	Volumanga	82, 66	Portable	80, 68, 66	RHB58	Portable	82, 68, 66, 40,5	
RGCO	Volumanga Oustie	82, 66	Portable	80, 68, 66	RHB59	Portable	82, 68, 66, 40,5	
RGCR	Kompok	82, 66	Portable	80, 68, 66	RHB60	Portable	82, 68, 66, 40,5	
RGCS	Choubriuk	82, 66	Portable	80, 68, 66	RHB61	Portable	82, 68, 66, 40,5	
RGCT	Kobra	82, 66	Portable	80, 68, 66	RHB62	Portable	82, 68, 66, 40,5	
RGCU	Boardiuki	82, 66	Portable	80, 68, 66	RHB63	Portable	82, 68, 66, 40,5	
RGCV	Darovskoe	82, 66	Portable	80, 68, 66	RHB64	Portable	82, 68, 66, 40,5	
RGCW	Moloma Oustie	82, 66	Portable	80, 68, 66	RHB65	Portable	82, 68, 66, 40,5	
RGCX	Servi	82, 66	Portable	80, 68, 66	RHB66	Portable	82, 68, 66, 40,5	
RGCY	Koelukha	82, 66	Portable	80, 68, 66	RHB67	Portable	82, 68, 66, 40,5	
RGDZ	Vichkie	82, 66	Portable	80, 68, 66	RHB68	Portable	82, 68, 66, 40,5	
RGDA	Arba	82, 66	Portable	80, 68, 66	RHB69	Portable	82, 68, 66, 40,5	
RGDB	Sovetsk	82, 66	Portable	80, 68, 66	RHB70	Portable	82, 68, 66, 40,5	
RGDC	Lebiajic	82, 66	Portable	80, 68, 66	RHB71	Portable	82, 68, 66, 40,5	
RGDD	Medvedki	82, 66	Portable	80, 68, 66	RHB72	Portable	82, 68, 66, 40,5	
RGDE	Ourejoum	82, 66	Portable	80, 68, 66	RHB73	Portable	82, 68, 66, 40,5	
RGDF	Bouski Zavod	82, 66	Portable	80, 68, 66	RHB74	Portable	82, 68, 66, 40,5	
RGDG	Jigalovo	82, 66	Portable	80, 68, 66	RHB75	Portable	82, 68, 66, 40,5	
RGDH	Nendo Oustie	82, 66	Portable	80, 68, 66	RHB76	Portable	82, 68, 66, 40,5	
RGDI	Ostryi Neya	82, 66	Portable	80, 68, 66	RHB77	Portable	82, 68, 66, 40,5	
RGDJ	Nema	82, 66	Portable	80, 68, 66	RHB78	Portable	82, 68, 66, 40,5	
RGDK	Kilmec	82, 66	Portable	80, 68, 66	RHB79	Portable	82, 68, 66, 40,5	
RGDL	Rybalka	82, 66	Portable	80, 68, 66	RHB80	Portable	82, 68, 66, 40,5	
RGDM	Motorki	82, 66	Portable	80, 68, 66	RHB81	Portable	82, 68, 66, 40,5	
RGDN	Valuskoek Oustie	80, 66	Portable	80, 68, 66	RHB82	Portable	82, 68, 66, 40,5	
RGDO	Akhmat Vorbi	82, 66	Portable	80, 68, 66	RHB83	Portable	82, 68, 66, 40,5	
RGDQ	Chalanka	82, 66	Portable	80, 68, 66	RHB84	Portable	82, 68, 66, 40,5	
RGDR	Chalanka	82, 66	Portable	80, 68, 66	RHB85	Portable	82, 68, 66, 40,5	
RGDS	Sasnovka	82, 66	Portable	80, 68, 66	RHB86	Portable	82, 68, 66, 40,5	
RGDT	Ijevk	82, 66	Portable	80, 68, 66	RHB87	Portable	82, 68, 66, 40,5	
RGDU	Ijevk	82, 66	Portable	80, 68, 66	RHB88	Portable	82, 68, 66, 40,5	
RGDV	Grakhovo	82, 66	Portable	80, 68, 66	RHB89	Portable	82, 68, 66, 40,5	
RGDW	Siunies	82, 66	Portable	80, 68, 66	RHB90	Portable	82, 68, 66, 40,5	
RGDX	Gouliaevo	82, 66	Portable	80, 68, 66	RHB91	Portable	82, 68, 66, 40,5	
RGDY	Chunyki	82, 66	Portable	80, 68, 66	RHB92	Portable	82, 68, 66, 40,5	
RGDZ	Sely	82, 66	Portable	80, 68, 66	RHB93	Portable	82, 68, 66, 40,5	
RGE	Arkhangelsk	167	Portable</					

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

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
RIKI	Atchensk	101.35, 82, 66	RJAR	Ural	82, 80, 68, 66, 40.5	RKM	Irkoutsk	43.2
RIKJ	Novosibirsh	80, 68, 66	RJAS	Portable	82, 80, 68, 66, 40.5	RKMA	Routichenkevo	50.25
RIKK	Marlenck	101.35, 82, 66	RJAT	Khelnmerside	62.77	RKMB	Gorlevka	51.107
RIKL	Novosibirsh	101.35, 82, 66	RJAV	Novaia Pouk	50.59, 36.452	RKMC	Odessa	77.92, 54.48
RIKM	Perevijka	82, 80, 68, 66, 40.5	RJAX	Nyda	50.565, 36.408	RKMD	Chepetovka	63.425, 39.841
RIKN	Perevijka	82, 80, 68, 66, 40.5	RJAZ	Otdorsk	50.42, 36.364	RKME	Jnierinka	61.475, 40.161
RICO	Perevijka	82, 80, 68, 66, 40.5	RJBA	Magnitogorsk	68.65, 49.50	RKMF	Jitomi	61.856, 40.54
RIPK	Tcharychskalo	101.35, 82, 66	RJBB	Tumen	71.78	RKMG	Vinnitsa	62.31, 40.268
RICKT	Omsk	48.31	RJBC	Karotunka	70.75	RKMH	Khrustinovka	62.5, 40.323
RIKU	Tara	70.59	RJBD	Sverdlovsk	87.97, 43.42	RKMI	Krivoi Rog	62.61, 40.377
RIVK	Minousinsk	47.92	RJBE	Tobolsk	87.71, 42.31	RKMJ	Zaporojie	60.606, 40.326
RIL1	Karsakpui	62,241, 39,947	RJBF	Obiolsk	85.59, 42.85	RKMK	Zouevka	51.72
RIL2	Barmaul	101.35, 82, 66	RJBG	Tobolsk	71.4	RKML	Novo Daviovka	51.55
RIL3	Souzoun Zavod	101.35, 82, 66	RJBH	Kourgan	86.33, 42.86	RKMN	Konstantinovka	51.35
RIL4	Akoutikha	82, 66	RJBI	Tchelabireh	69.77, 49.26	RKMO	Sorokino	51.195
RIL5	Povalikhka	101.35, 82, 66	RJC	Verkhne Iubatskoe	84.38, 44.38	RKMP	Verkhni	51.62
RIL6	Rasskazikha	82, 66	RJCA	Ouraski	38.51, 31.58	RKMQ	Verkhni	51.02
RIL7	Belai Reetbka	82, 66	RJF	Eniseisk	56.18	RKMR	Kharkev	50.93
RIL8	Toptchikha	82, 66	RJJ	Toungonika	54.95	RKMU	Kharkev	51.55
RIL9	Khmelevka	101.35, 82, 66	RJI	Berditechev	66.519, 52.45	RKMV	Oiekrainskia	82, 80, 68, 66, 40.5
RILA	Omsk	37	RJJ	Touroukhansk	51.02, 37.97	RKMW	Oiekrainskia	82, 80, 68, 66, 40.5
RILB	Tomsk	84.507	RJK	Strelka	40.7	RKMX	Makesvak	50.42
RILC	Novasibirs	63.17, 71.09	RJL	Kamenka	32.2	RKMY	Khersen	72.1, 47.1
RILD	Omsk	49.67, 35.25	RJM	Goltiavino	37	RKMZ	Keiv	69.93, 48.23
RILE	Samsounovski	95.2, 48.387	RJN	Balakhta	34.2	RKN	Novosibirs	69.97
RILF	Morisakovski	71.5, 47.319	RJO	Krasnoiarsk	61.22	RKNK	Kharkev	98.04, 81.74, 67.04, 54.5, 43.86, 36.32, 21
RILG	Barnaul	70.93, 47.17	RJP	Kazatin	78.125, 53.381	RKOD	Kiev	51.37
RILH	Batoum	69.93, 46.948	RJRA	Voroniz	68.50, 50.76	RKOM	Portable	82, 80, 68, 66
RILI	Rysyl	58.14, 45.59	RJRC	Vatoniuki	68.48, 49.34	RKNN	Portable	82, 80, 68, 66
RILJ	Bezayimjauki	101.35, 82, 66	RJRD	Orel	75.42, 48.6	RKNP	Portable	82, 80, 68, 66
RILK	Minousinsk	80.863, 40.431	RJRE	Koursk	74.07, 42.55	RKNO	Portable	80, 68, 66, 82
RILN	Novasibirs	84.37, 42.58	RJRF	Eletz	73.71, 42.31	RKOP	Iakoutsk	24
RILO	Kouznetsk	85.35, 42.67	RJU	Bobrinskia	81.967, 54.645	RKO	Kazatin	78.125, 53.381
RILQ	Onesk	85.59, 42.84	RJV	Vapniarka	69.525, 53.191	RKOD	Denpropetrovsk	49.02, 34.97
RILR	Bogotol	82, 66	RJW	Znamenka	79.787, 53.951	RKOM	Garlovka	65.217, 52.91
RILS	Tisoul	82, 66	RJXA	Lozovaya	81.081, 54.348	RKON	Odessa	98.68, 48.78
RILT	Tychtym	82, 66	RJXB	Mathateb	69.69, 39.89	RKOP	Kiev	95.69, 68.96, 48.54
RILU	Krestchenku	101.35, 82, 66	RJY	Sinelorkovo	71.09, 42.85, 35.97	RKP	Petrovavlovsk	29
RIVL	Kemerovo	69.44, 49.5	RJZ	Tiovaikoe	64.785, 50.934, A1-3	RKQ	Bouloun	56
RILW	Proletarski	101.35, 82, 66	RKA2	Oungoubi	101.35, 82, 66	RKR	Irkutsk	23
RILX	Chemanaihka	49.34, 35.17	RKA3	Tchernain	101.35, 82, 66	RKS	Irkutsk	24
RILY	Atchinsk	67.72, 49.45	RKA4	Mouronka	101.35, 82, 66	RKT	Nezametnoe	23.5
RILZ	Tomsk 11	67.57, 49.34	RKA5	Nijni Oaslou	101.35, 82, 66	RKU	Turkestan	21.9, 35.7
RIM1	Portable	82	RKAA	Poudoj	101.35, 82, 66	RKV	Moscow	21
RIM2		82	RKAB	Louza	101.35, 82, 66	RKW	Nikolanevsk	66, 59
RIM3		82	RKAC	Perevijka	82, 80, 68, 66, 40.5	RKX	Inia	58
RIM4		68, , 66	RKAD	Perevijka	82, 80, 68, 66, 40.5	RKY	Frounze	48.5
RIMA	Tachkent	39.34, 19.67	RKAE	Perevijka	82, 80, 68, 66, 40.5	RKZ	Osch	48
RIMB	Aile	69.44, 49.26	RKAF	Perevijka	82, 80, 68, 66, 40.5	RLA	Tauuisk	67
RIMC	Novasibirs	60, 66	RKAG	Perevijka	82, 80, 68, 66, 40.5	RLA	Perevijka	82, 80, 68, 66, 40.5
RIMD	Tomsk	96.44, 68.49, 48.47	RKAH	Perevijka	82, 80, 68, 66, 40.5	RLA	Perevijka	82, 80, 68, 66, 40.5
RIMK	Topki	68.97, 49.59	RKAI	Perevijka	82, 80, 68, 66, 40.5	RLA	Perevijka	82, 80, 68, 66, 40.5
RIML	Kamin	69.82, 71.09	RKAJ	Perevijka	82, 80, 68, 66, 40.5	RLA	Perevijka	82, 80, 68, 66, 40.5
RIMM	Oust Tcharychskau	71.09, 46.97	RKAK	Perevijka	82, 80, 68, 66, 40.5	RLA	Perevijka	82, 80, 68, 66, 40.5
RIMN	Kolpachevo	88.49, 71.09	RKAL	Perevijka	82, 80, 68, 66, 40.5	RLA	Perevijka	82, 80, 68, 66, 40.5
RIMO	Kurgasok	88.49, 71.09	RKAM	Perevijka	82, 80, 68, 66, 40.5	RLAG	Perevijka	82, 80, 68, 66, 40.5
RIMQ	Oust Tcharychskau	101.35, 82, 66	RKAN	Perevijka	82, 80, 68, 66, 40.5	RLAN	Perevijka	82, 80, 68, 66, 40.5
RIMR	Koumir	101.35, 82, 66	RKAP	Perevijka	82, 80, 68, 66, 40.5	RLAH	Perevijka	82, 80, 68, 66, 40.5
RIMS	Podsevenskoe	101.35, 82, 66	RKBA	Perevijka	82, 80, 68, 66, 40.5	RLAI	Perevijka	82, 80, 68, 66, 40.5
RIMT	Rybone	101.35, 80, 66	RKAO	Perevijka	82, 80, 68, 66, 40.5	RLAJ	Perevijka	82, 80, 68, 66, 40.5
RIMU	Talmenek	101.35, 80, 66	RKAP	Perevijka	82, 80, 68, 66, 40.5	RLAK	Perevijka	82, 80, 68, 66, 40.5
RIMV	Kouznetek	57.143	RKAQ	Perevijka	82, 80, 68, 66, 40.5	RLAL	Perevijka	82, 80, 68, 66, 40.5
RIMX	Omsk	44.8	RKAR	Perevijka	82, 80, 68, 66, 40.5	RLAM	Perevijka	82, 80, 68, 66, 40.5
RIMY	Slavgorod	40.98	RKAS	Perevijka	82, 80, 68, 66, 40.5	RLAN	Perevijka	82, 80, 68, 66, 40.5
RIMZ	Souzoun	41.04	RKAT	Perevijka	82, 80, 68, 66, 40.5	RLAO	Perevijka	82, 80, 68, 66, 40.5
RIN1	Ahakan	101.35, 82, 66	RKAV	Kandalakeha	49.26	RLAP	Perevijka	82, 80, 68, 66, 40.5
RIN2	Artbay	82, 66	RKAW	Petrovavdosh	48.86	RLAQ	Perevijka	82, 80, 68, 66, 40.5
RIN3	Erdmko	82, 66	RKAX	Spasskaia Golu	101.35, 82, 66	RLAR	Perevijka	82, 80, 68, 66, 40.5
RIN4	Kouragino	82, 66	RKAY	Petrozavodsk	101.35, 82, 66	RLAT	Perevijka	82, 80, 68, 66, 40.5
RIN5	Karatouz	82, 66	RKAZ	Korda	101.35, 82, 66	RLAU	Pridionia	48
RIN7	Solanskoe	101.35, 80, 66	RKB	Moskva	19.20	RLAV	Norilsk	51.11
RIN8	Tsleebaki	101.35, 80, 66	RKBA	Kestenga	101.35, 82, 66	RLAW	Sovetskil	77.82, 36.54
RINS	Tara	41.1	RKBB	Oaskhi	101.35, 82, 66	RLAX	Prusk	51.56, 36.27
RINT	Tomsk	46.58	RKBC	Beiji Kuiji	101.35, 82, 66	RLAY	Potchetskoe	78.125
RINU	Nijne Loumpokolskoe	47.1	RKBD	Kem	101.35, 82, 66	RLAZ	Trinimo	59.6
RINY	Oulala	43.60	RKBE	Kondopogi	101.35, 82, 66	RLB	Bogontehany	43
RINZ	Oust Kokra	61.6	RKBF	Reboly	101.35, 82, 66	RLB	Tehounoir	59.52
RIOZ	Bakou	29.5, 25.06	RKBG	Soroka	101.35, 82, 66	RLB	Tsakira	61.25
RIOB	Novasibirs	94.94, 49.10	RKBH	Pinozero	36.23	RLBD	Oust Kalakan	64.66, 53.48, 37.36
RIOC	Petrovka	101.35, 82, 66	RKCI	Moskva	44.07	RLBE	Siberia	84.03, 66.81
RIP	Bakou	74.24, 45.7	RKD	Moskva	28.15	RLBF	Tamteha	81.3, 61.35
RIR	Tiflis	29.76, 24.83	RKE	Moskva	15.53	RLBG	Moukhor	79, 62.63
RIS	Tiflis	44.58, 43.64	RKF	Moskva	43.8, 43.67, 43.56,	RLBH	Troitskosavsk	80.43, 65.79
RIT	Bakou	62.11, 40.11			43.48, 21.9, 21.84,	RLBI	Igarka	53.5, 38.5
RIT1	Tomsk	101.35, 82, 66			21.8, 21.74	RLBN	Birussa	
RIT2	Okouncevo	82, 66	RKG	Moscow	4.5, 1.47, 3.7, 5.47	RLBT	Krasnoiarsk	86.08, 42.92
RIT3	Mogotchno	82, 66			22.822, 20.013	RLBU	Chilka	51.72
RIT4	Molchanovo	82, 66	RKH	Moscow	4.5, 1.47, 3.7, 5.47	RLBV	Krasnoiarsk	51.72
RIT5	Krasnyi lar	82, 66	RKI	Moscow	22.822, 20.013	RLBW	Tsikikan	50.51
RIT6	Trebitkskai	82, 66	RKJ	Moscow	39.894, 19.947	RLBX	Nijne Outinsk	93.76, 68.77, 67.41, 50
RIU	Verklojansk	83.8, 46.66	RKJL	Moscow	48.9, 24.45			
RIV	Oust Maia	83.34, 40.98	RKJL	Khabarovsk	17.26	RLY	Kirensk	66.82
RIX	Krementchoug	78.947, 53.763	RKLA	Artemivsk	85.84, 42.92	RLBZ	Erbogocheyu	52.72
RIVY	Tcherigorod	81.522, 54.545	RKLB	Stalino	84.87, 42.84	RLC	Kijma	46.5
RIZ	Korosten	84.270, 56.075	RKLC	Jitomas	43	RLCA	Irkutsk	51.28
RJA	Trkouts	57.5	RKLD	Kharlov	86.08, 43.04	RLCC	Irkutsk	82
RJAA	Sverdlovsk	82, 80, 68, 66	RKLE	Olessa	51	RLCD	Bolehor Derbeno	68
RJAB	Chabourovo	82, 80, 68, 66	RKLF	Berdiansk	84.62, 42.31	RLCF	Koia	66
RJAC	Novata Lialia	82, 68, 66	RKLI	Lougansk	85.35, 42.67	RLCE	Tonga	82, 68, 66
RJAD	Irbit	80, 68, 66	RKIJ	Dnepropeitwsk	84.58, 43.29	RLCG	Kansk	82, 68, 66
RJAE	Tobolsk	82, 80, 68, 66	RKJL	Zaporojie	85.59, 42.8	RLCH	Oieloutoui	82, 68, 66
RJAF	Ivdel	82, 80, 66	RKLL	Odessa	85.35, 42.67	RLCI	Eniseisk	68
RJAG	Tavda	82, 80, 68, 66	RKLM	Zaporojie	63.69, 45.8	RLCJ	Malta	66
RJAH	Perevijka	82, 80, 68, 66, 40.5	RKLN	Lougausk	68.8, 48.62	RLCK	Tchita	82
RJAI	Perevijka	82, 80, 68, 66, 40.5	RKLO	Sorokino	77.72, 65.45	RLCL	Agoul	82, 68, 66
RJAJ	Perevijka	82, 80, 68, 66, 40.5	RKLP	Rovereki	69.28, 63	RLCM	Tehemorechki	82, 68, 66
RJAK	Nadijdinek	82, 80, 68, 66	RKLP	Dmitrievsk	77.32, 55.05	RLCO	Sismi Oubie	82, 68, 66
RJAL	Perevijka	82, 80, 68, 66, 40.5	RKLP	Listchansk	68.65, 52.63	RLCP	Taisouk	82

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

27

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
RLD	Krasnoiarsk	40.5	RMLQ	Portable	82, 86, 68, 66, 40.5	ROR	Dikson Ostrov 1	45
RLE	Blagavestchensk	61.5	RMLR	Tchimbai	67	ROS	Port Oust Einselski	30
RLF	Terinez	46.8	RMNA	Kizyl Kua	77.72, 50.08	ROT	Novji Port	43
RLI	Tufis	51.11	RMNB	Soulukta	77.22, 50.335	ROU	Omsk	80, 20
RLJ	Moscow	33.82	RMNC	Kok Iangak	77.72, 50.76	ROV	Polaria	80, 30
RLK	Ostrov	57	RMND	Naryn	82.19, 51.107	ROW	Igorsk Char	60, 30
RLRC	Beloretsch.	82, 66	RMNE	Ketmen Tube	69.964, 46.556	ROX	Nakhchiratinskala	57
RLRD	Oufa	82, 66	RMNG	Andjan	51.46	RPA	Tachkent	41.57, 29.27
RLRE	Zilair	82, 66	RMNH	Frounze	65.25, 43.04	RPD	Moscow	150, 150, 134.4, 124.5,
RLRF	Kartall	56.6	RMNI	Och	69.6, 40.816		109.1, 100, 93.75,	
RLRG	Oufa	33.1	RMNJ	Tian Chan	51.46		80.54, 69.76, 60.85,	
RLRH	Bachkris Rep.	82, 80, 68, 66, 40.5	RMNK	Frounze	69.61, 35.13		51.72	
RLRI	Portable	82, 80, 68, 66, 40.5	RMNL	Tehou	94.85, 48.94	RPG	Northern Reigon	82, 80, 68, 66, 40.5
RLRK	Topornino	45.23	RMPA	Chourab	77.22, 60.675	RPK	Moscow	41.52, 20.76, A1-2-3
RLRR	Oufa	47.62	RMPB	Nijni Piandj	83.8	RPM	Batoum	71.05, 48.31
RLRK	Bouraevo	82, 66	RMPC	Karakol	48.15	RPN	Poti	71.05, 48.08
RLRM	Baimak	82, 66	RMPD	Nijni Piandj	72.12	RPO	Soukhoum	71.05, 47.1
RLRN	Askino	82, 66	RMPH	Stalinabad	77	RPP	Novorossiisk	71.05, 47.82
RLRO	Krasnoousolak	82, 66	RMPI	Stalinabad	51.64	RPQ	Odessa	71.05, 47.39
RLRP	Krasnooujinsk	82, 66	RMPJ	Kourgan Tube	51.11	RPT	Tachkent	50.03
RLRQ	Ianowul.	76.14, 43.23	RMPK	Chakhrianavu	50.8	RPW	Bolchoi Linkhovski	43, 39
RLRR	Arguinich	80.214	RMPM	Chuartouz	50.34	RPX	Zitulic Franzia Isifa	43
RLRX	Nikolo Berezwnka	65.359	RMPN	Pskem	51.46	ROA	Pamir	48.2
RLRY	Oufa	80.429	RMPQ	Kavdjenit	47.4	RQB	Khorog	44.5
RLRZ	Zilai	69.444	RMPQ	Pamir	48.2	RQD	Ackkhabad	47.5
RLS	Routtcherikovo	67.416, 51.803	RMPR	Garm	57.6, 32.5	RQE	Oudyl	65.5
RLSA	Oufa	71.2, 36	RMPS	Kouliab	60.5, 33.5	RQF	Ikkhoutsin	58
RLT	Chakhty	80.645, 54.152	RMSA	Krasnovodsk	49.342	RQG	Sovgavan	68.5
RLU	Khackov	80.214, 55.659	RMSD	Achkhabad	47.5	RQH	Noutovo	48.5
RLV	Grichino	82.218, 54.845	RMSE	Tachaouz	48	RQI	Katangli	44.5
RLW	Artemwsk	83.799, 55.866	RMWA	Tachkent	82.19, 50.85	RQJ	Magnitoyorsk	39
RLWG	Saratov	70.59	RMWC	Tachkent	67.72, 48.387	RQK	Sverdlovsk	34
RLWI	Saratov	69.29, 49.57	RMWD	Tachkent	81.74	RQL	Novasibirsk	44
RLWP	Elista	46.5	RMWE	Tachkent	86.46, 74.63	RQM	Tourouklansk	43.5
RLX	Artemevak	79.365, 52.083	RMWH	Iagan	84.27, 43.73	RQN	Souzoun	28
RLY	Kharkov Rdo Center	77.12, 60.37	RMWP	Samarkand	79.79, 60.24	RQO	Omsk	44.8
RLZ	Western Siberia	57.74	RMWQ	Termes	60.51	RQP	Kansk	46.2
RMA	Poti	80.5	RMWR	Augren	51.46	RQQ	Slavgorod	41
RMA1	Portable	82	RMWS	Tachkent	53.957	RQR	Kouzenetsk	47
RMA2		82	RMWT	Tachkent	59.59, 35.25	RQS	Kamen	44.2
RMA3		68	RNAO	Sovgavan	52	RQT	Tomsk	45
RMA4		66	RNAO	Petrovaylovsk	56	RQU	Tara	44.5
RMA5		40.6	RNAW	Vladivostok	44	RQV	Kojernikovo	68.81
RMA6			RNAX	Vladivostok	88.49	RQW	Chinkh	46.5
RMA7			RNE	Moscow	50	RQX	Tachaouz	48
RMAA	Khalbarovsk	69.124, 49.18	RNF	Moscow	24.953, 19.595	RQY	Ouratube	47.8
RMAB	Skovorodino	48.94	RNG	Kolpachovo	46.72	RQZ	Khodjent	47.4
RMAC	Vladivostok	67.57	RNH	Telbes	46.44	RRB	My Jelania	80, 20
RMAD	Tchesnokovskaya	48.47	RNI	Oulagan	63.29	RRC	Moscow Radio Center	41.78, 18.05
RMAE	Nikolsk	45.02	RNK	Khabarovsk	59.5	RRD	Moscow Radio Center	36.47, 15.9
RMAF	Botekarevo	45.1	RNL	Lebedoske	84.03	RRE	Moscow Radio Center	35.4, 18.28
RMAH	Alexandrovsk	52	RNN	Kargasok	46.80	RRF	Leningrad	29.16, 16.66
RMAJ	Nelma	89.29, 71.08	RNO	Moskva		RHH	Tachkent Radio Center	30.44, 16.73, A1-2-3
RMAK	Petrovaylovsk	50.336, 36.32	RNP	Belostchele	77.52, 63.67	RRI	Novosibirsk Radio Center	30.38, 16.64
RMAL	Vladivostok	52.72	RNQ	Okha	62	RRJ	Sverdlevsk Radio Center	30.35, 17.93
RMAM	Tetukhe	46	RNR	Sredne Kolymsk	58	RRK	Tiflis Radio Center	30.29, 16.12
RMAQ	Nikolayevsk	52	RNS	Oust Kamtchatsk	59	RRL	Irkutsk Radio Center	30.2, 16.1
PMAR	Nogaveo	53	RNU	Nogaveo	49	RRR	Moscow Radio Center	77.12, 77.02, 76.92
RMAS	Tajiquin	91.5, 71.05, 48.08	RNZ	Petrovaylovsk	60	RRX	Moscow Radio Center	36.88, 36.85, 36.83
RMAY	Vladivostok	56	ROAA	Nevii	59, 56	RRY	Moscow Radio Center	33.98, 33.96, 33.94
RMAX	Vladivostok	88.49	ROAB	Central Asia	80, 40	RRZ	Moscow Radio Center	68.18, 49.38
RMAY	Trotse Zaroubino	92.59, 71.09	ROAC	Stetshinkin	71.09, 36.1	RSD	Karaganda	63.43, 31.71
RMAZ	Nakhodka	80	ROAD	Stalin	71.09, 47.85	RSE	Gouriev	46.8, 23.4
RMB	Preobrazenie	89.82, 71.09, 47.62	ROAE	Orelkem	71.09, 47.39	RSF	Alma Ata	62.112, 31.06
RMBB	Popov	88.76, 71.08, 47.1	ROAG	Kommoua	71.09, 46.97	RSG	Oblorsk	57.02, 28.96
RMBC	Phastoure	93.17, 71.09, 48.23	ROAH	Bouriak	88.76, 71.09	RSH	Magnitogorsk	58.71, 29.35
RMBD	Poutiatino	88.76, 71.08, 47.10	ROAI	Twarzistchstvo	89.29, 71.09	RSI	Smolensk	46.37, 23.18
RLN	Gorlovka	65.217, 51.107	ROAJ	Frounze	89.82, 71.09	RT1	Moscow	100
RLQ	Kadievka	65.646, 51.282	ROAK	Enigma	71.09, 47.92	RT2	Portable	80
RLR	Krasnyi	66.815, 51.635	ROAN	Perevlyika	82, 80, 68, 66, 40.5	RT3	Portable	80
RLRA	Bourzian	82, 66	ROAO	Perevlyika	82, 80, 68, 66, 40.5	RT5	Isakogorka	89.92, 71.09
RLRB	Starilaneka	82, 66	ROAP	Perevlyika	82, 80, 68, 66, 40.5	RTN	Moscow Radio Center	49.46, 49.38, 21.08, 21.05
RMBG	Markevo		ROAQ	Perevlyika	82, 80, 68, 66, 40.5	RTP	Moscow Radio Center	48.9, 48.78, 21.17, 21.14
RMBM	Khaiouzovo		ROAR	Kraenvarmeets	72.3, 71.09, 36.1	RTQ	Moscow Radio Center	51.99, 51.90, 25.77, 25.73
RMBP	Neikan	58, 22	ROAT	Komsomolets	71.09, 70.75, 36.1	RTR	Moscow Radio Center	48.23, 48.08, 19.24, 19.23
RMBT	Ozernaiice	60	ROAU	Okshan C	88.49, 71.09, 47.85	RTS	Moscow Radio Center	49.92, 49.83, 23.006, 22.99
RMBU	Kiktehik	50	ROBF	Karl Marx	91.6, 71.09, 47.85	RTT	Moscow Radio Center	52.68, 52.54, 24.25, 24.22
RMBV	Itcha	60	ROBG	Platielka	89.29, 71.09	RTU	Moscow	85.35, 72.64, 42.27
RMBX	Chantary	50	ROBH	Kramny Partizan	89.92, 71.09	RTV	Moscow Radio Center	46.01, 45.94, 18.84, 18.83
RMBY	Karaginski	60	ROBI	Onsicvitch	91.6, 71.09	RTW	Moscow Radio Center	44.35, 44.28, 18.36, 18.34
RMBZ	Olutorka	60	ROBJ	Rykev	91.05, 71.09	RUA	Moscow Radio Center	77.12, 36.83
RMCA	Bolcheretsk	60	ROBK	Prodonrav	93.17, 71.09, 48.23	RUB	Moscow Radio Center	81.63, 68.44
RMCC	Pitchi Ostrov	60	ROBL	Karl Libknecht	92.59, 71.09	RUC	Moscow Radio Center	69.29, 35.23
RMCD	Lantar	60	ROBO	Melnik	89.29, 71.09, 47.1	RUD	Moscow Radio Center	79.16, 38.14
RMCI	Blazwistchensk	67.9, 49.59	ROBP	Iarinckto	89.92, 71.09, 47.39	RUE	Moscow Radio Center	77.12, 36.83
RMCK	Sretinsk Pristan	71.09, 36.01	ROBS	Ina Roudzoutak	71.09, 46.97	RUF	Moscow Radio Center	98.36, 68.42
RMCL	Sourajevka	71.09, 48.31	ROBT	Amour	71.09, 35.88	RUG	Moscow Radio Center	69.20, 35.22
RMCM	Rineski Korsakov	80, 71.09	ROBV	Vladimir Lenin	71.09, 36.1	RUI	Moscow Radio Center	72.03, 36.19
RMCN	Tavaiza	80, 71.09	ROBZ	Inorodets	71.09, 36.1	RUS	Moscow Radio Center	79.58, 45.92
RMCO	Klerk	80, 71.09	ROBX	Amour	71.09, 35.88	RUU	Moscow Radio Center	49.75
RMCP	Montoukke	80, 71.09	ROBY	Vladimir Lenin	71.09, 35.88	RVA	Ditskoe Selo	54.005, 54.127, 27.064, 27.003
RMCP	Dekastri	80, 71.09	ROCY	Nijne	46	RVU	Pervomaisk	44.84
RMCR	Datta	80, 71.09	ROCZ	Kroupskata	71.09, 35.88	RVZ	Borouisk	81.967, 54.045
RMCS	Bolehoi Tagoo	80, 66	ROCA	Oron	71.09, 35.81	RV15	Khakurovok	70.2
RMCT	Sovgavan	80, 71.09	ROCC	Tourt Koul	71.09, 46.97	RV38	Moscow	64.4
RMCU	Blagevestchenk	59	ROCD	Sever	71.09, 35.46	RWBW	Moscow	60
RMCV	Khabarovak	54, 84.85	ROCO	Enisick	71.09, 36.1	3KAA	Leningrad	36
RMCW	Blagevestchenk	88.49, 71.09	ROCP	Tobolsk	71.09	RA97	Siberia	35.0, 70
RMLA	Tamdy	56.18	ROCT	Lenin	51	RXC	RXA—RXZ REPUBLIC OF PANAMA	
RMLB	Cheikh	46.5	ROCV	Gousikhin	71.43, 71.09, 36.1	RXA	Alnurante	58.47, 69.39, 74.34, 52
RMLC	Tourt-Koul	59.172	ROCW	Klerbryi	71.09, 70.59, 36.1	RXB	Port Armuelles	26.09, 18.84, 17.54
RMLD	Mouinak	59.41	ROCX	Ourdlobkom	71.09, 61.94, 36.1	RXC	55.5, 39.8, 34.4, 28.12, 16.96	
RMLE	Stalinalah	80, 54, 36	ROCY	Agitator	71.78, 71.09, 36.1		51.4	
RMLF	Tachkent	58	ROD	Grosevitchi	59			
RMLG	Tachkent	47	ROE	Ternei	56			
RMLH	Tachkent	64	ROF	Ola	65			
RMLJ	Tian Chan	54	ROH	Tourt Koul	49.8			
RMLK	Samarhand	85, 54, 36	ROI	Koustanai	46.8			
RMLM	Tietsk	51.28	ROJ	Tobolsk	51			
RMLN	Tchinikent	68.18, 52.17, 32.97	ROK	Petoukhovo	63			
RMLO	Tielkoubas	69.2 8.4, 47.6 19, 32.787	ROL	Kunenskoe	36			
RMLP	Lougwala	80, 64.5, 46.0 85, 31.056	ROM	Khabarovsk	30			
			ROP	Khabrovsk	26			
				Teheliabinsk	63.5			

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
SAA—SMZ SWEDEN								
SAA	Karlskrona		SHUA	Faxen	36.5	TIA	S. Jose	37.974
SAD	Stockholm	31.0	SHUN	Pegasus	36.5	TIC	Cuesta	51.68, 43.04, 37.88
SAB	Goteborg	36.4, 26.98, 24.15	SHVN	Blankaholm	36.5	TID	Liberia	37.984
SAF	Vaxholm	36.3	SH XA	Balboa	36.5	TIE	Pozo	37.97
SAH	Kamoseand	36.40	SH YN	Tilis Gerthon	36.5	TIF	Buenos Aires	37.955
SAQ	Varberg		SH YA	Atland	36.5, 24.15	TIG	General	38
SAS	Karsborg	52.5, 43, 31.8, 15.85	SH YN	Laurel	36.5	TIJ	Puerto Jimenez	38.734
SASH	Mutala	49.46	SIBN	Flora	36.5	TIM	Linors	52.05, 17.26
SAT	Varberg	33.56, 28.54, 16.52, 15.46	SICN	Gunda	36.5	TIP	Puntarenas	38.013
SAX			SIDN	Capella	36.5	TIR	Cartago	49.5, 42.98, 27.9
SCJ	Karkskrona	196	Si FN	C. G. Thulin	36.5	TIU	Vita	39.259
SDFA	Fernia	36.5, 24.15	SIGN	Svanholm	36.5			
SDFN	Orania	36.5, 24.15	SIJN	Carina	36.5, 24.15			
SDGA	Wanja	36.5, 24.15	SIKN	Nordanvik	36.5, 24.15			
SDGN	Sveajari	36.5	SILA	Slureholm	36.5			
SDKA	Erik. Frisell	36.5	SIMA	Hermes	36.5			
SDKN	Kiruna	36.5	SIMN	Abraham Rydberg	36.5, 24.15			
SDMN	Formosa	36.5, 24.15	SINA	Paja	36.5			
SDNA	Miraflores	36.5	SINT	Sveaborg	36.5, 24.15			
SDNT	Eros	36.5, 24.15	SIOA	Nippon	36.5			
SDPA	Jupiter	36.5	SION	R. H. Sanders	36.5, 24.15			
SDQN	Canada	36.5	SIPA	Sananvilk	36.5, 24.15			
SDRA	Virgo	36.5	SIQA	Valdiva	36.5			
SDTA	Ragnhildsholm	36.5	SIRA	Consul Olsin	36.5			
SDTD	Boren	36.5	SIRN	Kalmar	36.5, 24.15			
SDUN	Sparuholm	36.5	SITA	Mertainen	36.5, 24.15			
SDVA	Malaren	36.5	SITN	Dalkem	36.5, 24.15			
SDYA	Burgundia	36.5, 24.15	SIUA	Buenos Aires	36.5			
SDZN	Roxen	36.5	SIUN	Tamara	36.5, 24.15			
SEGA	Swedish	36.5	SIVN	Peiping	36.5, 24.15			
SEGN	Gondul	36.5	SIWA	Bernicia				
SEHN	Hemland	36.5	SIXA	Pan Gothia	36.5, 24.15			
SEIN	Niagara	36.5	SIYN	Nuolja	36.5			
SEJA	Delke	36.5, 24.15	SIZA	Procyon	36.5, 24.15			
SEJN	Skantung	36.5	SIZN	Adele	36.5, 24.15			
SEKN	Kastelholm	36.5, 24.15	SJAN	Innarem	36.5			
SELN	Ella	36.5	SJBA	Laponia	36.5			
SEMA	Murjek	36.5	SJBN	Agne	36.5, 24.15			
SEMN	Bretannia	36.5	SJCA	Nijor	36.5, 24.15			
SENT	Suecia	36.5	SJMA	Drottningholm	36.5			
SEOA	Falsterbo	36.5	SJNA	Erland	36.5			
SEON	Halleren	36.5	SJTA	Porjus	36.5, 24.15			
SEPN	Manga	36.5	SJUA	Græcia	36.5, 24.15			
SEQN	Svedrott	36.5	SJZA	Malmen	36.5, 24.15			
SERA	Santos	36.5	SKAN	Alex Johnson	36.5			
SERN	Ring	36.5	SKBA	Gripholm	36.5			
SETN	Rane	36.5	SKCA	Tolken	36.5			
SEUA	Korsholm	36.5	SKIA	Benares	36.5, 24.15			
SEVN	Nordland	36.5	SKJA	Strassa	36.5			
SEWA	Sevaland	36.5	SKLA	Nanking	36.5, 24.15			
SEWN	Vigor	36.5	SKTA	Atos	36.5, 24.15			
SEX A	Amerisland	36.5	SLDA	Oxelosund	36.5			
SEYN			SLFA	Algeria				
SFEN	Indanic	36.5, 24.15	SLIA	Oljaren	36.5, 24.15			
SFGA	Odenakohm	36.5	SLJA	Swedish	36.5			
SFIA	Consul Gorfitzon	36.5, 24.15	SLRA	Polenkeln	36.5			
SFJA	Gudur	36.5	SLTA	Grangesborg	36.5			
SFJN	Torne	36.5, 24.15	SLUA	C. F. Litjevalch	36.5			
SFLN	Abisko	36.5	SMEA	Stockholm	41			
SFNT	Loussa	36.5	SMGA	Annie Johnson	36.5			
SFOA	Mirabooka	36.5	SMGA	Uden	36.5			
SFPN	Sir Ernest Cassel	36.5	SMHA	Hjelmaren	36.5			
SFRA	Abadan	36.5	SMJA	Kungsholm	36.5			
SFUN	Baltic	36.5	SMLA	Parrakola	36.5			
SFWN	Bodin	36.5						
SFXA	Swedish	36.5						
SFXN	Narvik	36.5						
SFYA	Gustof 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	Sumatra	36.5						
SGEA	Pedro Christopherson	36.5						
SGFA	Sydie							
SGIA	Eknaren	36.5, 24.15						
SGIN	Bratholm	36.5						
SGL	Stockholm							
SGLN	Lagabohm	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	Secidea	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	Zorchester	36.5, 24.16						
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	Hammarack	36.5						
SHLA	Kolsnaren	36.5, 24.15						
SHLM								
SHLN	Anglo Swed.	36.5						
SHNA	Bullaren	36.5						
SHPA	Yugaren	36.5, 24.15						
SHQA	Swedish	36.5						
SHQN	Baland	36.5						
SHRN	Guunaren	36.5						
SHTN	Belgia	36.5						
TIA—TIZ COSTA RICA								
TIA	S. Jose							
TIC	Cuesta							
TID	Liberia							
TIE	Pozo							
TIG	General							
TIJ	Puerto Jimenez							
TIM	Linors							
TIP	Puntarenas							
TIR	Cartago							
TIU	Vita							
UIA—UKZ DUTCH EAST INDIES								
UJJ	Possu Celebes Is.							
UKJ	Celebes Is.							
UJL	Celebes Is.							
UJM	Celebes Is.							
UKK	Baa							
UKL	Kalabau, Alor Is.							
UOA—UOZ AUSTRIA								
UOBB1	Wien							
UOBB7	Innsbruck							
UGP6	Graz							
UOJ	Deutsch Altenburg							
UOK	Altenburg							
ULOP5	Linz							
UOM	Wien							
UOP	Wien							
UOR2	Deutsch Altenburg							
UOSP5	Salzburg							
UOX	Deutsch Altenburg							
UWA—UZZ VAA—VGZ CANADA								
UWA	Vancouver, B. C.							
UWB	Victoria, B. C.							
UWC	Kelowna, B. C.							
UWD	Vancouver, B. C.							
UWE	Toronto, B. C.							
UWF	Toronto							
UWG	Quebec, P. Q.							
UWH	Quebec, P. Q.							
UWI	Winnipeg, Man.							
UWJ	Moncton, N. B.							
UWK	Montreal, N. B.							
UWR	Edmonton, Alta.							
UWS	Toronto, Ont.							
UWT	Toronto, Ont.							
UXA	Vancouver, B. C.							
UXB	Vancouver, B. C.							
UCX	Vancouver, B. C.							
UXD	Winnipeg, Man.							
UXE	Montreal, P. Q.							
UXG	Winnipeg, Man.							
UXH	Montreal, P. Q.							
UXI	Toronto, Ont.							
UXJ	Halifax, N. S.							
UXK	Montreal, P. Q.							
UXL	Montreal, P. Q.							
UXM	Montreal, P. Q.							
UXN	Montreal, P. Q.							
UXO	Montreal, P. Q.							
UXP	Toronto, Ont.							
UXQ	Ottawa, Ont.							
UYA	Halifax, N. S.							
UYB	Montreal, P. Q.							
UYC	Ottawa, Ont.							
UYD	Toronto, Ont.							
UYE	Winnipeg, Man.							
UYF	Vancouver, B. C.							
UYG	Winnipeg, Man.							
UYH	Saskatoon, Sask.							
UYI	Regina, Sask.							
UYJ	Pas, Man.							
UYK	Flin Fl							

SHORT WAVE LOG AND CALL BOOK, SUMMER, 1933

29

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
VAC	Cape Lazo, B. C.	198.7	VE9OB	Ottawa, Ont.	40.82, 20.41	VIN	Geraldton	37.08, 32.75, 20.1,
VAF	Alert Bay, B. C.	198.7	VE9RM	Toronto, Ont.	47.17, 44.81, 23.58,	VIO	Broome	17.24
VAI	Point Gray, B. C.	198.7, 43.5	VFA	Halifax, N. S.	22.43, 175.4, 147.8	VIP	Perth	37.22, 32.25, 21.52,
VAJ	Dilby Is., B. C.	48.25, 44.4	VFB	Toronto, Ont.	69.12	VIQ	Wills Islets	17.26
VAK	Gonzales Hill, B. C.	47.5	VFH	Magnet Point, B. C.	198.7, 131	VIR	Rockhampton	51.02, 32.188, 14.81,
VAP	Port Churchill, Man.	43.88, 23.4, 36.88	VFJ	Homalco, B. C.	131	VIS	Sydney	48.38
VAS	Cape Hopes, Str.	44.84, 44.27, 32.573,	VFL	Hudson Straits	62.82		Kieta, New Guinea	37.59, 33.003
VAY	23.931, 23.29	VFM	Vancouver, B. C.	62.82		Madang, New Guinea	73.53, 36.80	
VBK	Copper Mine River, N.W.T.	44.84, 36.88, 26.43,	VFQ	Regina, Sask.	69.12, 18.349		Wyndham	37.68, 31.72, 22.09,
	20.41	VFW	Port Norman, N. W. T.	69.12, 18.349				17.08
VBQ	Halifax, N. S.	181.8, 127.7	VFX	Thicket, Man.	69.12, 18.349			54.94
VBS	Glace Bay, N. S.	53.72, 35.67, 23.9	VFZ	Camp Borden	91.5, 18.349		Bolton Vie.	32.085, 24.95, 17.07
VBY	Hudson Straits	44.84, 54	VGBL	Provincial II	198.7		Maria Is., Tasmania	44.17, 22.02
VBZ	Chesterfield Inlet, N. W. T.	34.11	VGBN	Mangen	198.7		Iraboul, New Guinea	
VCB	Nottingham Is., N. W. T.	69.12	VGBT	Plunger	198.7		Wave Hill	51.10, 25.66
VCJ	Hudson Straits		VGCF	P. D. G. 2	86.7, 46.7		Burin Jack	
VCU	Merry Island, B. C.	198.7	VGCK	Kiora	194.8		Cortanundra	185
VCW	Mile 356, Manitoba	110.7	VGCN	P. L. M. 8	175.3, 124.17, 86.7,		Murrumburiah	185
VDA	Ottawa, Ont.	98.50, 61.80, 42.98	VGCP	Clayburn	46.7		Gundagai	185
VDB	Esquimalt, B. C.		VGCR	Earl	198.7		Cloncurry	146.3, 87.97
VDC	Calgary	98.50, 61.80, 42.98	VGCX	Pacific Monarch	198.7		Canoowal	52.54, 26.27
VDE	Edmonton, Alberta	98.50, 61.80, 42.98	VGDJ	Storm King	198.7		Wilson's Promontory	190
VDF	Montreal, Que.	98.50, 61.80, 42.98	VGDM	Anacis	198.7		Cliffy Island	190
VDH	Hamilton, Ont.	98.50, 61.80, 42.98	VGDW	Dauntless	198.7		Deal Island	190
VDJ	St. Hubert, Que.	98.50, 61.80, 42.98	VGFW	Cape Scott	198.7		Lord Howe Is.	52.40, 14.21, 37.54,
VDL	London, Ont.	98.50, 61.80, 42.98	VGFQ	Almara	198.7		32.058	
VDM	Moose Jaw, Sask.	98.50, 61.98, 42.98	VGFS	B. C. Forester	194.8	VJN	Makhdhi	36
VDR	Regina, Sask.	98.50, 61.80, 42.98	VGJL	Canadian Commander	194.8		Koosawathie	185
VDT	Toronto, Ont.	98.50, 61.92, 61.80,	VGJR	Oliver Clarke	194.8	VJNC	New Guinea	185
	42.98	VGKT	Taconite	198.7, 54.3, 64		VJO	Cape Otway	36.474
VEB	Mayo Landing, Yukon	51.77, 38.41, 31.04,	VGJS	Wireless	198.7	VJP	Salamoa, New Guinea	39.47
	24.3	VGJZ	Chemainus	198.7	VJPK	Marburberg, New Guinea		
VEC	Fort Simpson, Yukon	51.77, 31.04, 24.3	VGKN	Achates	198.7	VJU	Manus, New Guinea	75.53, 36.80
VED	Edmonton, Alta.	51.77, 38.41, 31.04,	VGKP	Empress of Asia	194.8	VJV	Aitape, New Guinea	73.53, 36.80, 22.09
	24.3	VGKT	Chelosin	198.7	VJW	Bulolo, New Guinea	39.47	
VEF	Akkavik, N. W. T.	31.04	VGKW	Beatrice	198.7	VJK	Kaving, New Guinea	73.53, 36.80
VEJ	Camp Bordon, Ont.	38.41, 35, 31.04, 24.3	VGKY	Merry Is., B. C.	198.7	VJY	Rakaul, New Guinea	78.9, 15.345, 48.54,
VEL	Winnipeg, Man.	31.04	VGKZ	Robert Preston	198.7	VJZ	43.47, 32.22	
VEQ	Cormorant Lake, Man.	31.04	VGL	Burrard Chief	198.7	VKA	Bogolara	185
VER	Ottawa, Ont.	38.41, 54.9, 35, 24.3,	VGLJ	Cottonwood	198.7	VKB	Yuss	185
	51.77	VGLM	P. S. M.	198.7	VKD	Melbourne	177.5	
VER	Ottawa, Ont.	35.0	VGLP	Progressive	198.7	VKF	Melbourne	145
VESAC	Vancouver, B. C.	197.4, 189.9, 125.1,	VGMQ	Hustler	198.7	VKK	New So. Wales	184.95
	46.7	VGMS	Moresby	198.7	VKL	Birdsville	148.514, 34.762	
VESAD	Glace Bay, N. S.	187, 125.1, 46.7, 23.35	VGMY	Massett	198.7	VKM	Tasmania	148.514, 33.97
VESAF	Montreal		VGMZ	Princess Elaine	198.7	VKN	Victoria	148.51, 34.76
VESAI	Toronto, Ont.	42.98	VGNF	Ark	198.7	VKO	Rottneet Is.	185
VESAK	Calgary, Alberta		VGNK	Prince Edward Island	198.9	VKQ	Oil Co., New Guinea	197.36
VESAM	Montreal	198.7, 187, 125.1,	VGNR	Faultless	198.7	VKQ	Melbourne	108.3, 81.1, 51.72
	46.7, 23.35	VGNR	Projective	198.7	VKS	Sydney	43, 20, 18	
VE9AO	Toronto, Ont.	49.83	VGNSS	Hustler	198.7	VKJ	Hobart	106.4, 80, 51.28
VE9AP	Drummondville, Que.	47.5	VGPZ	James Carruthers	198.7	VKK	Milinginebi	148.51, 34.76
VE9AQ	Nipigon, Ont.	50, 42.98	VGQJ	Greta M.	198.7	VKL	Goulburn Is.	148.51, 34.76
VE9AR	Saskatchewan		VGRM	Charlottetown	189.9	VKV	Sydney	28.80, 32.50
VE9AU	London, Ont.	149.7, 142.9	VGRN	Hopkins	198.7	VK2BL	Sydney	28.5, 31.28
VE9AY	Toronto, Ont.	62.56, 34.68, 23.35	VGRS	Salvage Princess	198.7	VK2FC	Sydney	28.5, 18.3, 31.28,
VE9AZ	Maple Mount, Ont.	90, 185.2, 109.5	VGSP	S. Rock	23.4, 47.5	VK2ME	37.69	
VE9BA	Toronto, Ont.	34.68	VGSR	Ivanhoe	198.7	VK3LC	Melbourne	31.56
VE9BC	Campbell River, B. C.	135.6, 99.5	VGSX	Le Roi	198.7	VK3ME	Melbourne	31.66
VE9BD	Swains Lake, Ont.	185.2, 109.5, 90	VGSR	Lorne	198.7	VK3UJ	Melbourne	34
VE9BE	De Forest Road, Toronto	23.98	VGSZ	Norshore	198.7	VKGAG	Perth	41.7
VE9BF	Temagami, Ont.	185.2, 109.5, 90	VGTJ	Nowan	198.7	VLA	Cape Bruny	189.993
VE9BG	Savant Lake, Ont.	185.2, 109.5, 90	VGTO	Peerless	198.7	VLB	Otaga, New Zealand	189.993
VE9BH	Savant Lake, Ont.	185.2, 109.5, 90	VGTR	R. F. M.	198.7	VLC	Tasmania	190
VE9BJ	St. Johns		VGWN	Czar	198.7	VLJ	Sydney	32.15, 30.73, 22.49,
VE9BK	Vancouver, B. C.	187, 125.1	VGXY	S. Faith	198.7		21.74, 18.37, 17.016	
VE9BL	Elli Point, Ont.	185.2, 109.5, 90	VGXC	Prospective	198.7	VLK	Sydney	37.06, 28.50, 27.4,
VE9BM	Montreal	187, 125.1, 92.1, 46.7	VGXK	Sea Lion	198.7		21.74, 18.37, 15.54,	
VE9BZ	Lake St. Joseph	185.2, 109.5, 90	VGXL	VGXP	198.7	VLT	105.44, 85.21, A2-3	
VE9BP	Powell River, B. C.	113.6, 99.5, 55.71	VGXR	Primitive	198.7	VLU	Lae, Dutch New Guinea	105.44, 86.21
VE9BR	Arinstrong, Ont.	185.2, 109.5, 90	VGXS	La Reine	198.7	VLZ	Sydney	37.59, 30.73, 22.49,
VE9BT	Fort Hope, Ont.	185.2, 109.5, 90	VGXT	Prospective	198.7	MG	Apia, Samoa	20.4, 18.37
VE9BU	Caribore Lake, Ont.	185.2, 109.5, 90	VGYC	Coutle	198.7	VMS	Sydney	43, 19.39
VE9BV	Little Attribi Lake, Ont.	185.2, 109.5, 90	VGYD	Venedoor	198.7	VOF	Batu Amam, Sarawak	
VE9BX	Stimson, Ont.	185.2, 109.5, 90	VGYF	Venture	198.7			
VE9BZ	Vancouver, B. C.	109.5, 105.3	VGYK	Vienna	198.7			
VE9CA	Calgary, Alberta		VGYL	Wilmurdel	198.7			
VE9CE	Campbell R., B. C.	86.7	VGYN	Columbus	198.7			
VE9CF	Halifax, Nova Scotia		VGYP	Chilliwack	198.7			
VE9CG	Calgary, Alta.		VGYR	Eva R.	198.7			
VE9CH	Geizers Hill, Nova Scotia	90.04, 18.973	VGYW	Eunice B.	198.7			
VE9CI	London, Ont.	108.8	VGZL	Sea Liocell	198.7			
VE9CL	Winnipeg	52.5, 49.5	VGZM	P. L. M. 3	86.7, 46.7			
VE9CM	Mount Dennis, Ont.	187, 125, 92.1, 46.7	VGZT	Island Comet	198.7			
VE9CN	Mt. Dennis, Ont.	23.35	VGZV	P. T. B. No. 2	198.7			
VE9CP	Montreal		VGZT	Canada	198.7			
	42.98	VGZX	Comodore	Queen	198.7			
VE9CQ	Toro Rapids, P. Q.	187, 68, 51.37, 42.98	VGZY	Princess Norah	198.7			
VE9CR	La Prairie, P. Q.	187, 125.1, 46.7, 23.35						
VE9CS	Vancouver, B. C.	135.6						
VE9CT	Lulu Is., B. C.	49.96						
VE9CU	Calgary, Alta.	49.96	VHD	Sydney	135.335			
VE9CV	Calgary, Alta.	49.96	VHJ	Victoria	44.60, 30.54, 22.30			
VE9DA	Otter Lake, Ont.	185.2, 109.5, 90	VHL	Melbourne	44			
VE9DB	Wengeskies, Ont.	185.2, 109.5, 90	VHM	Melbourne	44			
VE9DC	Kenora, Ont.	185.2, 109.5, 90	VHO	Victoria	140.186			
VE9DD	Manitou Lake, Ont.	185.2, 109.5, 90	VIA	A1, 60, 32.43, 26.089,				
VE9DE	Sault Ste. Marie, Ont.	185.2, 109.5, 90	VIE	19.88, 197.368				
VE9DF	Pukaskwa, Ont.	185.2, 109.5, 90	VIB	Brishane	50, 33, 185, 21.5, 16.93			
VE9DG	Oriente Bay, Ont.	185.2, 109.5, 90	VIC	Cooktown	37.5, 31, 10, 21.9, 16.95			
VE9DH	Barn Is., Ont.	185.2, 109.5, 90	VICE	Darwin	40, 31, 847, 19.4, 17.22			
VE9DI	North Bay, Ont.	185.2, 109.5, 90	VID	Esperance	37.03, 31, 185, 21.4, 17			
VE9DJ	Latchford, Ont.	185.2, 109.5, 90	VIE	Port Moresby, New Guinea	41.09			
VE9DN	Montreal, Que.		VIG	Hobart, Tasmania	50.50, 31, 81.83, 26.09,			
VE9DR	Montreal, Que.		VIH		17.2			
VE9DS	Mt. Royal, Que.		VII	Thursday Is., Old Australia	37.40, 31.98, 21.79,			
VE9EC	Montreal, Que.		VII		17.29			
VE9ED	Mt. Joli, Que.		VII	Samaria, Papua	43.79			
VE9GG	Calgary, Alta.	49.10	VIJ	Tasmania	31.982			
VE9GW	Bowmanville, Ont.	49.22	VIM	Melbourne	74.63, 31.944, 15.17,			
	Also Relay Broadcasting		VIM		43.98			
VE9HF	Tinagimi, Ont.							
VE9HP	Ear Falls, P. Q.	62.56, 51.77						

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
VQA	Jeseton, Bermuda	54.84, 23.67, 14.85	XIQ	Ningpo	32.9
VQB	Sandakan, Bermuda	44.88, 29.41, 52.91	XJA	Hankow	32
VQF	Batu Anam, Sarawak	34.44, 29.67, 27.83	XJB	Hankow	74, 32.5
VQG	Kenya, Br. E. Africa	27.95, 15.283	XJC	Ichang	98
VQL	Savusava, Fiji Island	43.79, 80.43	XJD	Hankow	75, 37
VQP	Miri, Sarawak	34.44, 27.98	XJF	Hankow	34
VQR	Kenya, Br. East Africa	53, 45.52, 42.98 40.49, 32.02, 23.09	XJG	Hankow	45
		25	XKH	Ichang	40
VQV	Sabu, Sarawak	34.44	XKE	Tientsin	80, 37.03
VQ7LO	Nairobi, Br. E. Indies	31.2	XXY	Kwaiyang	
VRB	Kamakass, Br. Guiana		XLA	Nanking	70, 38
VRL	Georgetown, British Guiana	54.59, 33.73	XLB	Nanking	66
VRN	British Guiana	43.86	XLC	Shanghai	71, 31
VRD	Suva, Fiji Islands	80.43, 43.73	XLE	Canton	29
VRR	Stony Hill, Jamaica, B. W. I.		XLG	Swatow	75, 37.7
VRS	Mauritius	20.38, 31.76	XLH	Shanghai	60
VRT	Hamilton, Bermuda	29.80, 59.42	XLY	Shanghai	62
RVV	British Guiana, S. Am.	43.86, 30.99	XMH	Peking	
VRW	British Guiana, S. Am.	43.86	XMP	Railroad	
VRX	Apoteri, Br. Guiana	43.86	XMT	Railroad	
VRY	Dimerara, Br. Guiana	43.86	XNB	Canton	38
VSB	Nukualofa, Tonga	43.79	XNEF	Cheng King	175
VTC	Buskah, Iraq		XNK	Nanking	35.6
VTU	Chebuda, British India	105	XOB	Shanghai	41.8
VUB	Bombay, India	49.10	XOF	Chefoo	47, 37
VUC	Calcutta, India	25.274	XOM	Mukden	
VUD	Suva, Fiji Islands		XON		
VVC	Calcutta, India	36.96, 30.801	XOW	Foochow	40
VVD	Delli, India	33.48	XPG	Shanghai	48
VVG	Ambala, India	50.12, 26.54	XPI	Pratas	46
VWH	Ambala, India	26.657	XPN	Kamen	48
VVJ	Poona, India	44.09, 27.77	XPR	Amoy	45
VVK	Karachi, India	74.75, 30.045	XPZ	East Saddle	48
VVL	Lahore, India	38.24, 24.038	XQM	Yannufu	
VVM	Madras, India	23.041	XRA	Shanghai	43
VVN	Miranskat, India	35.84	XRA3	Shanghai	54
VVO	Kuhat, India	34.86, 20.155	XRA5	Shanghai	51, 32
VVP	Peshawar, India	34.82	XRB	Nanking	66
VVQ	Quetta, India	38.26, 24.281	XRB2	Nanking	61, 37
VVR	Ranzoom, India	36.65, 32.57	XRC	Chungking	39
VVS	Simla, India	33.241, 17.606	XRE	Ichang	43
VVT	Lower Tora, India	86.95, 30.075	XRG1	Shanghai	37
VVU	Karachi, India	36.83	XRI	Nachang	36, 31
VVV	Mainital, India	16.36, 47.54	XRJ	Chungking	40, 32
VWW	Jubbulpore, India	31.712, 24.834	XRJ2	Chungking	65, 32
VVX	Rawalpindi, India	50.93, 33.094	XRO	Chungking	47
VVY	Simla, India	36.83	XRP	Peking	70
VVZ	Quetta, India	39.92, 20.281	XRQ	Tsinan	69, 30
VWK	Karachi, India	43.57	XRS	Wanksien	42
VWZ	Kirker, India	34.518, 34.50, 34.483, 34.455, 34.447	XRU	Tsungming	69

XAA-XFZ—MEXICO

XAA	Vera Cruz	34	XSD	Shanghai	31.6
XAC	Paya Obispo	48, 37	XSG	Woosung	60, 50, 48
XAE	Mazatlan	43, 34	XSL	Wanshien	
XAF	Lower California	34, 29			
XAH	Hermosilla	32			
XAJ	Tampico				
XAK	Acapulco	63, 37.5			
XAL	Cuzomel	61.25, 39.5, 31.5			
XAM	Merida Vacatan	63, 48			
XAP	Villahermosa	42, 34			
XAQ	Campecho	65, 31.5			
XAR	Navajou	42			
XBR1					
XDA	Mexico City	45.1, 38.5, 33.93, 30.82, 50			
XDA	Mexico City				
XDA	Tele. with Europe	31.90, 15.95			
XDB	Chapultepec	15.9, 31.8			
XDC	Saltillo de Coahuila				
XXX	Torreón de Coahuila				
XDF	Mexico				
XDH	Guadalupejari	48, 38			
XDI	Oxaca				
XDJ	Mexicalli	45			
XFA	Mexico City	43, 42			
XFD	Mexico City	45, 33.27			

XGZ-XUZ—CHINA

XGB	Shanghai	137			
XGC	Shanghai	66, 33			
XGD	Shanghai	71, 64			
XGE	Auking	66, 43			
XGF	Moukden	41			
XGG	Moukden	45			
XGH	Nineop	72, 34			
XGJ	Hanchow	70			
XGK	Shanghai	16.04			
XGL	Shanghai	37.64			
XGM	Shanghai	17			
XGN	Shanghai	17			
XGO	Shanghai	39.58			
ZGP	Shanghai	89, 36.8			
XGQ	Shanghai	89, 35.8			
XGR	Shanghai	26, 16			
XGW	Shanghai	28.79			
XHA	Peiping	70, 35.1			
XHB	Tientsin	32			
XHC	Tsinan	53, 42			
XHD	Tsingtan	75, 30			
XIA	Amoy	31.8			
XIB	Fonehow	60, 32			
XIC	Swatow	69			
XID	Canton	39			
XIG	Swatow	68, 22			
XIH	Amoy	68, 36			
XIK	Wulu	75, 44			
XIO	Tinghsien	57			

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.

Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)	Call Letters	Location	Wavelength (meters)
YIA-YIZ—IRAQ								
YIO	Bagdad	67.12, 44.74, 36.88, 22.37, 20.7, 15.01	YIF	Bagdad	67.12, 44.74, 36.88, 22.37, 20.7, 16.01	YIG	Bagdad	67.12, 44.74, 36.88, 22.37, 20.7, 16.01
YIH	Bagdad	67.12, 44.74, 36.88, 22.37, 20.7, 16.01	YIJ	Bagdad	67.12, 44.74, 36.88, 22.37, 20.7, 16.01	YIK	Bagdad	67.12, 44.74, 36.88, 22.37, 20.7, 16.01
YIL	Ruthbah	66.8						
YLA-YLZ—LATVIA								
YLA	Riga	44.9, 24	YLB	Liepaja	44.9, 24	YLK	Liepaja	75
YLN	Liepaja	37.5	YLS	Riga	60	YLT	Riga	30
YNA-YNZ—NICARAGUA								
YNA	Managua	63.82, 49.71, 39.47, 38.51, 36.18, 36.14, 33.67, 31.47, 27.80, 25.23						
YNB	Bluefields	61.22, 38.96, 35.75, 32.64, 25.75, 20.66	YNC	Cape Gracias	58.65, 38.46, 36.05, 32.28, 20.52			
YNE	Puerto Cabezas		YNF	Rio Grande		YNL	Managua	91
YNP	Managua		YNQ	Managua	145.17, 20.80	YNR	Managua	43.668
YNU	Managua	44.085						
YVA-YVZ—VENEZUELA								
YVC	Maracay	50.93, 38.25, 23.4	YVD	S. Cristobal	28.01	YVF	Maracaibo	28.071
YVP	Maracay	44.77	YVQ	Maracay	38.25, 31.83, 25.65, 16.39			
ZBA-ZHZ—BRITISH COLONIES AND PROTECTORATES								
ZBH	South Georgia, S. Am.		ZBW	Hong Kong, China	13	ZBZ	Dar-Es-Salam, Tanganyika	15.89
ZCE	Victoria Peak, China	22.034	ZCF	Cap. of Aguilar, China	28.20	ZCG	Cap. D'Agnilar, China	31.78
ZCH	Victoria Peak, Hongkong, China							
ZCI	Victoria Peak, Br. Congo	50.04	ZCJ	Victoria Peak, Hong Kong	34.68	ZCK	Cape Agulha, China	13
ZD1	Nassa, Baluanas	54.59	ZDN	Lagos, Nigeria	37.08	ZDP	Badagry, Nigeria	37.08
ZD2	Victoria, Nigeria	34.09, 33.9	ZDQ	Mamup, Nigeria	33.9	ZDR	Kuduna, Nigeria	34.05, 33.97, 33.86
ZDT	Bamenda, Nigeria	33.9	ZDV	Windward Isla., B. W. I.	54.7	ZDW	Trinidad, B. W. I.	54.55, 33.73
ZDX	Leeward Isla., B. W. I.	98.68, 54.59, 33.73	ZDZ	Belize, Br. Honduras	98.68, 54.59, 37.34, 24.61			
ZEA	Sailsbury, Rhodesia	43.99, 40.50, 26.1, 25	ZEB	Bulawayo, Rhodesia	43, 39.47, 26.94, 24.74			
ZET	Kingston, Jamaica	98.68, 54.74	ZEU	Potaro, Br. Guiana	43.86	ZKR	Cook Island, New Zealand	51.72, 25
ZUO	Potaro, Br. Guiana		ZLB	Awarua, New Zealand	47.24, 33.70	ZLF	Wellington, New Zealand	44.14, 35.005, 43.16
ZLI	White Island, New Zealand	80	ZLT	White Island, New Zealand	80	ZLW	Wellington, New Zealand	40.6, 33.7, 24.4
ZLZ	Wellington, New Zealand		ZEA	Wellington, New Zealand		ZEB	A2, 50.6, 19.34, A1, 27.3, 36.5, A2, 25.4, 40.6, 24.4, A2, 50.6	
ZL3CZ	Christchurch, New Zealand	50.0	ZMA	Apia, Samoa Is.	52.17	ZMDY	Maunganui, New Zealand	36.18
ZMGK	Southern Prince, New Zealand		ZMB	Southern Prince, New Zealand		ZMGR	Wellington, New Zealand	36.5, 26.59
ZMP	Alipata, Samoa	40	ZMS	Sololaha, Samoa	42.9	Z3C	Christchurch, New Zealand	50
ZPR	Asuncion, Paraguay		ZPZ	Asuncion, Paraguay	34.48	Z2P		
ZSB	Cape of Good Hope, So. Africa		ZSV	Walvis Bay, So. Africa	16.084, 16.083, 16.082, 16.081, 16.077, 16.073, 16.072, 16.071, 16.069	Z3X	Kililkey, Union of So. Africa	45
ZSBX	Radioleine, Br. So. Africa	45	ZSC	Capetown, So. Africa	33.65, 17.8	ZSDM	Jacobs Radio, So. Africa	36, 17.3
ZSD	Jacobs Radio, So. Africa		ZSU	Capetown, So. Africa	36.6, 35.1, 33.7	ZSM	Tafelberg, Br. So. Africa	
ZTS	Capetown, So. Africa		ZSV	Walvis Bay, So. Africa	36.5, 17.8	ZTG	Germann, So. Africa	45.5
ZTQ	Germann, So. Africa		ZLW	Kenya, Africa		ZLO	Kenya, Africa	
ZXX	Ronkaza 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-

dresses 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. Daventry, 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		17770 kc. ★GSG 16.88 meters, British Broad. Corp. DAVENTRY, ENGLAND British Empire 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. PHI 16.88 meters HUIZEN, HOLLAND Experimental		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		17640 kc. Ship. 17.00 meters Phones to Shore WSBN, "Leviathan" GFVV, "Majestic" GLSQ, "Olympic" GDLJ, "Homeric" GMJO, "Belgenland" Work on this and higher channels		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		17380 kc. JIAA 17.25 meters TOKIO, JAPAN		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.		18370 kc. PMC 16.33 meters BANDOENG, JAVA.		17300 kc. W8XL 17.34 meters DAYTON, OHIO		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. W6XAJ 17.34 meters OAKLAND, CALIF.		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. W9XL 17.34 meters ANOKA, MINN.		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		17110 kc. WOO 17.32 meters A. T. & T. CO., DEAL, N. J. Transoceanic radiophone		15140 kc. GSF★ 19.81 meters BRITISH BROAD. CORP. Daventry, 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. W2XOD 17.52 meters A. T. & T. CO. OCEAN GATE, N. J.		15120 kc. ★HVJ 19.83 meters VATICAN CITY Rome, Italy Daily 5:00 to 5:15 a. m.	

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 Dea' N. J. (New York)		11760 kc. XDA 25.50 meters TRENS-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. ★DJD 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 CESPEDES 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 TRENS-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, 2:05 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 KAHUHU, 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. W2XQ 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" Roma, 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		10980 kc. ZLW 27.30 meters WELLINGTON, N. Z. Tests 3-8 a. m.		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. ★CTIAA 31.25 meters LISBON, PORTUGAL Tues. and Friday, 4:30-7:00 p. m.	
12780 kc. GBC 23.46 meters RUGBY, ENGLAND		10540 kc. WLO 28.44 meters A. T. & T. CO., LAWRENCE, N. J. Transoceanic radiophone		10410 kc. PDK 28.80 meters KOOTWIJK, HOLLAND		9600 kc. LQA 31.25 meters BUENOS AIRES	
12290 kc. GBU 24.41 meters RUGBY, ENGLAND		11800 kc. ★VE9GW 25.42 meters W. A. SHANE, CHIEF ENGINEER Bowmanville, Canada Daily, 1-4 p. m.		10410 kc. KEZ 28.80 meters BOLINAS, CALIF.		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		11790 kc. WIXAL 25.45 meters BOSTON, MASS.		10410 kc. PLM 28.80 meters DRUMMONDVILLE, QUEBEC Canada Irregular		9595 kc. ★HBL 31.27 meters League of Nations GENEVA, SWITZERLAND	
12250 kc. GBS 24.46 meters RUGBY, ENGLAND		11780 kc. ★VE9DR 25.47 meters DRUMMONDVILLE, QUEBEC Canada Irregular		10410 kc. LSY 28.80 meters BUENOS AIRES, ARGENTINA		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							

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. and 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. Reichspostzentralamt, 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 SCHEECTADY, 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. W2XV 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. W8XAG 34.68 meters DAYTON, OHIO		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. VE9BY 34.68 meters LONDON, ONTARIO, CANADA		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. W4XG 34.68 meters MIAMI, FLA.		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. W3XX 34.68 meters WASHINGTON, D. C.		7530 kc. El Prado 39.80 meters Ribambo, 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		8630 kc. WOO 34.74 meters DEAL, N. J.		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. W2XDO 34.74 meters OCEAN GATE, 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.	
		8570 kc. ★RV15 35.00 meters FAR EAST RADIO STATION Khabarovsk, Siberia 5-7:30 a. m.		7444 kc. HQ 40.3 meters LEAGUE OF NATIONS, GENEVA, SWITZERLAND		6438 kc. REN 46.6 meters MOSCOW, J. S. S. R.	
		8550 kc. WOO 35.09 meters OCEAN GATE, N. J.		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.	
		8450 kc. PRAG 35.50 meters PORTO ALEGRE, BRAZIL 8:30-9:00 a. m.		7230 kc. DOA 41.46 meters DOEBERITZ, GERMANY Irregular			

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		5714 kc. HCJB 52.5 meters QUITO, ECUADOR, S. A.	
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		5145 kc. OK1MPT 58.31 meters PRAGUE, CZECHOSLOVAKIA	
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.		4975 kc. W2XV 60.30 meters RADIO ENGINEERING LAB- ORATORIES, Inc. Long Island City, N. Y.	
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 50 meters CALGARY, CANADA Irregular		4795 kc. W9XAM 62.56 meters ELGIN, ILL. (Time signals.)	
6122 kc. ZTJ 49 meters JOHANNESBURG, SOUTH AFRICA 10:30 a. m.-3:30 p. m.		6060 kc. ★W8XAL 49.50 meters CROSLEY RADIO CORP. Cincinnati, O. Relays WLW programs		6000 kc. ZGE 50 meters KUALA LUMPUR, MALAY STATES		4795 kc. W3XZ 62.56 meters WASHINGTON, D. C.	
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. W9XL 62.56 meters CHICAGO, ILL. Irregular	
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 INTERNATI- ONAL 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. 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 63.00 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 63.13 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.

According to frequency and wavelength	W8XF—Goodwill Station Pontiac, Mich. 1000 watts	W2XAB—Atlantic Broad- casting Corp. New York, N. Y. 500 watts	W2XF—National Broad- casting Co. New York, N. Y. 5000 watts
1600-1700 kc. 176.5-187.5 m. Dial:	2100-2200 kc. 136.4-142.9 m. Dial:	43,000-46,000 kc. 6.52-6.98 m. 48,500-50,300 kc. 6.00-6.20 m. 60,000-80,000 kc. 3.75-5.00 m. Dial:	W6XAO—Don Lee Broad- casting System Los Angeles, Calif. 150 watts
W2XR—Radio Pictures, Inc. Long Island City, N. Y. 1000 watts. 60 lines	W3XAK—National Broad- casting Co. 5000 watts. Portable	W9XD—The Journal Co. Milwaukee, Wis. 500 watts	W3XE—Philadelphia Stor- age Battery Co. Philadelphia, Pa. 1500 watts
W1XAV—Short Wave & Television Co. Boston, Mass. 1000 watts. 60 lines	W2XBS—National Broad- casting Co. New York, N. Y. 5000 watts	W9XE—U. S. Radio & Tele. Corp. Marion, Ind. 1000 watts	W2XAK—Atlantic Broad- casting Corp., New York, N. Y. 50 watts
W8XN—Sparks-Withing- ton Co. Jackson, Mich.	W9XAP—National Broad- casting Co. Chicago, Ill. 2,500 watts	W8XF—Goodwill Station, Pontiac, Mich.	W10XX—RCA-Victor Co., Portable and Mobile. 50 watts
200-2100 kc. 142.9-150 m. Dial:	2200-2300 kc. 130.4-1364 m. Dial:	W3XAD—RCA-Victor Co., Camden, N. J. 2000 watts	W8XAN—Sparks-Withing- ton Co., Jackson, Mich. 100 watts
W9XAO—Western Televi- sion Corp. Chicago, Ill. 500 watts. 45 lines	W9XAL—First National Television Corp. Kansas City, Mo.	W2XBT—National Broad- casting Co. Portable 750 watts	W8XL—WGAR Broad- casting Co., Cuyahoga Hts., Ohio. 200 watts
W6XAH—Pioneer Meran- tile Co. Bakersfield, Cal. 1000 watts. 60 lines	2750-2850 kc. 205.3-109.1 m. Dial:	W1XG—Short Wave & Television Co. Boston, Mass. 200 watts	
W9XK—Iowa State Uni- versity Iowa City, Iowa 100 watts. 60 lines	W9XG—Purdue University W. Lafayette, Ind. 1500 watts. 60 lines	W2XR—Radio Pictures, Inc. Long Island City, N. Y. 1000 watts	

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.
KGPN Davenport, Ia.
WPDT Fort Wayne, Ind.
WPDT Kokomo, Ind.
WPEC Memphis, Tenn.
KGPI Omaha, Neb.
WPDP Philadelphia, Pa.
KGPD San Francisco, Cal.
KGPM San Jose, Cal.
KGPW Salt Lake City, U.
WRDQ Toledo, Ohio
WPFL Gary, Ind.
PPFQ Swarthmore, Pa.
WPFO Knoxville, Tenn.
WPFR 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: []

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

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

2442 kc.-122.8 m.

Dial: []

KGPX Denver, Col.
WPDF Flint, Mich.
WPEB Grd. Rapids, Mich.
WMZD Indianapolis, Ind.
WPDL Lansing, Mich.
WPDE Louisville, Ky.
KGPP Portland, Ore.
WPDH Richmond, Ind.
KGZH Klamath Falls, Ore.
WPFC Muskegon, Mich.
WPFE Reading, Pa.
KGZR Salem, Ore.

2430 kc.-123.4 m.

Dial: []

WPDI Columbus, Ohio
KGPP Portland, Ore.
WPDM Dayton, Ohio
KGZD San Diego, Cal.
WPFD Highland Park, Ill.
WPFF Toms River, N. J.
WPKF 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.
WPFG 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.
WPDX Detroit, Mich.
WRDR Grosse Pt. Vil. Mich.
WMO Highland Pk., Mich.
KGPA Seattle, Wash.
WPDA Tularc, Cal.
KGZM El Paso, Tex.
WPFH Baltimore, Md.
KGZN Tacoma, Wash.
WPFI Columbus, Ga.
WPFM Birmingham, Ala.
WPFR 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.
WPFA Newton, Mass.
KGZL Shreveport, La.
WPEH Somerville, Mass.
WPEP Arlington, Mass.
KGZB Houston, Tex.
WPFJ Hammond, Tex.
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'ham, 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.-112.3 m.
Dial: []
WBR Butler, Pa.
WJL Greensburg, Pa.
WBA Harrisburg, Pa.
WMB W. Reading, Pa.
WDX W. Bridgewater, Mass.

Alphabetically By Call Letters

KGHO	Des Moines, Iowa	1524 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.
KGPN	Davenport, Iowa	2470 kc.	WPDB	Chicago, Ill.	1712 kc.	WPFA	Newton, Mass.	1712 kc.
KGPO	Tulsa, Okla.	2450 kc.	WPDC	Chicago, Ill.	1712 kc.	WPFC	Muskegon, Mich.	2442 kc.
KGPP	Portland, Ore.	2442 kc.	WPDD	Chicago, Ill.	1712 kc.	WPFD	Highland Park, Ill.	2430 kc.
KGPQ	Honolulu, T. H.	2450 kc.	WPDE	Louisville, Ky.	2442 kc.	WPFE	Reading, Pa.	2442 kc.
KGPS	Bakersfield, Cal.	2414 kc.	WPDF	Flint, Mich.	2442 kc.	WPFF	Toms River, N. J.	2430 kc.
KGPW	Salt Lake City, Utah	2470 kc.	WPDH	Richmond, Ind.	2442 kc.	WPFG	Jacksonville, Fla.	2442 kc.
KGPX	Denver, Colo.	2442 kc.	WPDI	Columbus, Ohio	2430 kc.	WPFH	Baltimore, Md.	2414 kc.
KGPY	Shreveport, La.	1574 kc.	WPDK	Milwaukee, Wis.	2450 kc.	WPFI	Columbus, Ga.	2414 kc.
KGPZ	Wichita, Kans.	2450 kc.	WPDL	Lansing, Mich.	2442 kc.	WPFJ	Hammond, Ind.	1712 kc.
KGZB	Houston, Tex.	1712 kc.	WPDM	Dayton, Ohio	2430 kc.	WPFK	Hackensack, N. J.	2430 kc.
KGZD	San Diego, Cal.	2430 kc.	WPDN	Auburn, N. Y.	2458 kc.	WPFL	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.	WPDP	Philadelphia, Pa.	2470 kc.	WPFN	Fairhaven, Mass.	1712 kc.
KGZH	Klamath Falls, Ore.	2442 kc.	WPDR	Rochester, N. Y.	2458 kc.	WPFO	Knoxville, Tenn.	2470 kc.
KGZI	Wichita Falls, Tex.	1712 kc.	WPDS	St. Paul, Minn.	2416 kc.	WPFP	Clarkburgh, W. Va.	2414 kc.
KGZL	Shreveport, La.	1712 kc.	WPDT	Kokomo, Ind.	2470 kc.	WPFQ	Swarthmore, Pa.	2470 kc.
KGZM	El Paso, Tex.	2414 kc.	WPDU	Pittsburgh, Pa.	1712 kc.	WPFR	Johnson City, Tenn.	2470 kc.
KGZN	Tacoma, Wash.	2414 kc.	WPDV	Charlotte, N. C.	2458 kc.	WRDH	Cleveland, Ohio	2458 kc.
KGZP	Coffeyville, Kans.	2450 kc.	WPDW	Washington, D. C.	2422 kc.	WRDQ	Grosse Pt. Village, Mich.	2414 kc.
KGZQ	Waco, Tex.	1712 kc.	WPDX	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.

Group One

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.
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
Oklahoma City, Okla.	KNAV
Omaha, Nebr.	KMP
Orlando Twsp., Ill.	WNAT
Pasco, Wash.	KRD
Ponca City, Okla.	KGUZ
Portland, Ore.	KVO
Redding, Calif.	KUT
Rock Springs, Wyo.	KQC
Sacramento, Calif.	KFM
Salt Lake City, Utah	KQD
San Diego, Calif.	KGQZ
Seattle, Wash.	KZJ
Spokane, Wash.	KGTZ
Tulsa, Okla.	KNAU
Wichita, Kans.	KGTE

Group Two

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.

60.39 m.-4970 kc. 52.7 m.-5690 kc.
52.45 m.-5720 kc.

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

Group Three

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.	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.

Group Four

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.	81.00 m.-4920 kc.
92.09 m.-3260 kc.	61.00 m.-4740 kc.
87.02 m.-3450 kc.	53.55 m.-5600 kc.
86.77 m.-3460 kc.	53.45 m.-5610 kc.
86.52 m.-3470 kc.	53.26 m.-5670 kc.
86.27 m.-3480 kc.	52.7 m.-5630 kc.

Denver, Colo.	KCSP
Las Vegas, Nev.	KCTJ
Pueblo, Colo.	KGSR
Salt Lake City, Utah	KGTH

Group Five

Newark, N. J. WSDC
Tuscon, Ariz. KGUO

Group Six

129.63 m.-2315 kc.	86.08 m.-3490 kc.
127.33 m.-2335 kc.	83.29 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.-5640 kc.
86.77 m.-3460 kc.	45.8 m.-5650 kc.
86.52 m.-3470 kc.	37.43 m.-8915 kc.

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

Donglas, Ariz. KGUN

El Paso, Tex. KGUA

Frijole, Tex. KGUM

Indianapolis, Ind. WSDZ

Indio, Calif. KGUQ

Jackson, Miss. KSDB

Little Rock, Ark. KQUU

Louisville, Ky. WSDK

Memphis, Tenn. WSDK

Nashville, Tenn. WSDT

New Orleans, La. WQDQ

Omaha, Neb. KGTS

Phoenix, Ariz. KGUP

Robertson, Mo. KGUT

Sau Antonio, Tex. KGUD

Shreveport, La. KGUK

Springfield, Ill. WAEJ

Waco, Tex. KGUH

Group Seven

Duluth, Minn. WSDL
Fargo, N. D. KNWB

Madison, Wis. WSDR

Milwaukee, Wis. WAEH

Pembina, N. D. KNWC

St. Paul, Minn. KNWA

Group Eight

111.19 m.-2680 kc. 51.5 m.-5820 kc.

102.1 m.-2935 kc.

Detroit, Mich. WAEI

Group Nine

129.63 m.-2310 kc. 45.87 m.-5640 kc.

127.33 m.-2335 kc. 45.8 m.-5650 kc.

86.52 m.-3470 kc. 45.73 m.-5650 kc.

63.29 m.-4740 kc. 37.45 m.-8010 kc.

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. WEEW

Orlando, Fla. WEEO

Richmond, Va. WEER

Spartanburg, S. Car. WEEF

Group Ten

113.29 m.-2650 kc. 45.59 m.-5650 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.

Brownsville, Tex. KGJW

Miami, Fla. WKDL

San Juan, P. R. WMDV

Alphabetically by Call Letters

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

KBTY	Butte, Mont. (2)	KGUB	Houston, Tex. (8)	KNWC	Pembina, N. D. (6)	WMDV	San Juan, P. R. (10)
KEU	Burbank, Calif. (1)	KGUD	San Antonio, Tex. (5)	KOE	Cheyenne, Wyo. (1)	WNAO	Newark, N. J. (1)
KFM	Saramento, Calif. (1)	KGUE	Brownsville, Tex. (5)	WAEC	Pittsburgh, Pa. (2)	WNAK	Cleveland, Ohio (1)
KFO	Oakland, Calif. (1)	KGUF	Dallas, Tex. (5)	WAED	Harrisburg, Pa. (2)	WNAL	Brookville, Pa. (1)
KGE	Medford, Ore. (1)	KGUG	Big Spring, Tex. (5)	WAEE	Camden, N. J. (2)	WNAM	Bellefonte, Pa. (1)
KGGUC	Ft. Worth, Tex. (1)	KGUH	Waco, Tex. (5)	WAEG	Newark, N. J. (2)	WNAT	Orlando Twshp., Ill. (1)
KGJW	Brownsville, Tex. (10)	KGUK	Shreveport, La. (5)	WAEM	Cresson, Pa. (2)	WNAU	Moline, Ill. (1)
KGQZ	San Diego, Calif.	KGUL	Abilene, Tex. (4)	WAEH	Milwaukee, Wis. (6)	WQDQ	New Orleans, La. (5)
KGSP	Alameda, Calif. (2)	KGUM	Friole, Tex. (5)	WAEI	Detroit, Mich. (7)	WQPD	Atlanta, Ga. (5)
KGSR	Denver, Colo. (3)	KGUN	Douglas, Ariz. (5)	WAEJ	Springfield, Ill. (5)	WSDC	Newark, N. J. (4)
KGTT	Pueblo, Colo. (3)	KGUO	Tucson, Ariz. (4)	WAEK	Mobile, Ala. (4)	WSDD	Boston, Mass. (4)
KGTL	Fresno, Calif. (1)	KGUP	Phoenix, Ariz. (5)	WEEB	Baltimore, Md. (9)	WSDDE	Birmingham, Ala. (4)
KGTA	Winslow, Ariz. (2)	KGUQ	Indio, Calif. (5)	WEEC	Charleston, S. C. (9)	WSDF	Louisville, Ky. (5)
KGTD	Wichita, Kans. (2)	KGUR	Burbank, Calif. (5)	WEFF	Spartanburg, S.C. (9)	WSDG	Chicago, Ill. (5)
KGTE	Wichita, Kans. (1)	KGUS	Blythe, Calif. (8)	WEEH	Greensboro, N.C. (9)	WSDK	Memphis, Tenn. (5)
KGTH	Salt Lake City, U. (3)	KGUT	Robertson, Mo. (5)	WEEJ	McRae, Ga. (9)	WSDL	Duluth, Minn. (6)
KGTV	Las Vegas, Nev. (3)	KGUZ	Ponca City, Okla. (1)	WEEH	Jacksonville, Fla. (9)	WSDM	Albany, N. Y. (5)
KGTL	Las Vegas, Nev. (3)	KKO	Elko, Nev. (1)	WEEW	Miami, Fla. (9)	WSDO	Buffalo, N. Y. (8)
KGTN	Las Vegas, Nev. (2)	KMP	Omaha, Neb. (1)	WEEN	Linden, N. J. (9)	WSDP	Columbus, Ohio (5)
KGTO	Springfield, Mo. (2)	KMR	No. Platte, Nebr. (1)	WEEO	Orlando, Fla. (9)	WSDQ	Berea, Ohio (5)
KGTR	Robertson, Mo. (2)	KNAS	Kansas City, Mo. (1)	WEER	Atlantic City, N. J. (9)	WSDT	Nashville, Tenn. (5)
KGTS	Omaha, Neb. (5)	KNAT	Dallas, Tex. (1)	WHER	Richmond, Va. (9)	WSID	Indianapolis, Ind. (5)
KGTV	Beaumont, Tex. (4)	KNAU	Tulsa, Okla. (1)	WHG	Columbus, Ohio (2)	WSID	Cincinnati, Ohio (5)
KGTX	Pocatella, Idaho (2)	KNAV	Okla. City, Okla. (1)	WHM	Indianapolis, Ind. (2)	WCKA	Chicago, Ill. (1)
KGTZ	Spokane, Wash. (1)	KNWA	St. Paul, Minn. (6)	WCKB	Miami, Fla. (10)	WCKB	Chicago, Ill. (1)
KGUA	El Paso, Tex. (5)	KNWB	Fargo, N. D. (6)				

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

		NORTH AMERICA						SOUTH AMERICA		AFRICA		
		Montreal, Que.	New York, N. Y.	Pittsburgh, Pa.	Chicago, Ill.	Winnipeg, Man.	Denver, Colo.	San Francisco, Cal.	Los Angeles, Cal.	Rio de Janeiro, Brazil.	Buenos Aires, Argentina.	Cairo, Egypt.
		314	429 313	671 711	1000 1271	1528 1628	2278 2446	2298 2568	5117 4766	5742 5352	5469 5586	7891 7695
<i>WORLD</i>		Pittsburgh, Pa. Chicago, Ill.			411	1128 670	1320 918	2135 1741	2264 1855	4922 5312	5430 5703	5820 6172
					Winnipeg, Man. Denver, Colo.		800	1486 828	1402 946	3937 5781	6328 5898	8084 6836
		Tampico, Mexico Balboa, Canal Zone			<i>ARE</i>	Los Angeles, Cal. San Francisco, Cal.		345	6250 6475	6133 6328	7578 7500	8922 10078
1523												
2266 2148	3711 3398				Victoria, B. C. Saskatoon, Sask.		<i>GIVEN</i>	Rio de Janeiro, Brazil. Buenos Aires, Argentina.		1250		6172 7344
1953 1914	3203 2539			859 2187	156 1445	1563		Regina, Sask. Ottawa, Ont.		Cairo, Egypt. Cape Town, U. of S. A.		4492
2344 2422	2734 2773			2305 2656	1562 1875	1445 1797	430 586		Quebec, Que. Moncton, N. B.	<i>THIS</i>	Madrid, Spain. London, England.	
3711 1992	5117 1094			2695 3750	3477 2960	3516 2969	4766 1914	4922 1953	5312 1953			
2070 1953	3594 3437			273 352	898 586	816 570	810 715	2422 2109	2734 2422			
1406 820	2930 898			820 1641	859 1328	781 1250	1888 1397	1953 1602	2305 1875			
625 1094	1797 2383			1797 1523	1523 1094	1328 820	2656 1055	1641 1289	1914 1602			
1250 1562	2422 2656			1523 1406	1016 781	664 547	1094 859	1094 1055	1484 1523			
1172 1094	2227 1992			1758 1914	1211 1406	1016 1211	898 937	1289 1172	1445 1445			
1328 1055	2187 1758			1914 2227	1367 1719	1172 1523	664 937	898 1172	1172 1367			
1797 1562	2461 2070			2070 2305	1406 1680	1211 1484	156 469	430 625	742 820			
1719 1914	2148 2461			2383 2397	1724 1678	1770 1979	386 301	586 273	703 430			
		Tampico, Mexico Balboa, Canal Zone		Victoria, B. C. Saskatoon, Sask.	Regina, Sask. Ottawa, Ont.	Quebec, Que. Montreal, N. B.		Honolulu, Hawaii San Juan, Porto Rico		Portland, Ore. Spokane, Wash.		
<i>MEXICO, ETC.</i>												
CANADA						UNITED STATES						

THE SURFACE OF THE EARTH

you want to know the real airline distances between important places, use a string and measure them on the face of a globe, or refer to the more convenient chart below. This is easily consulted and saves the radio fan the trouble of figuring the distance according to

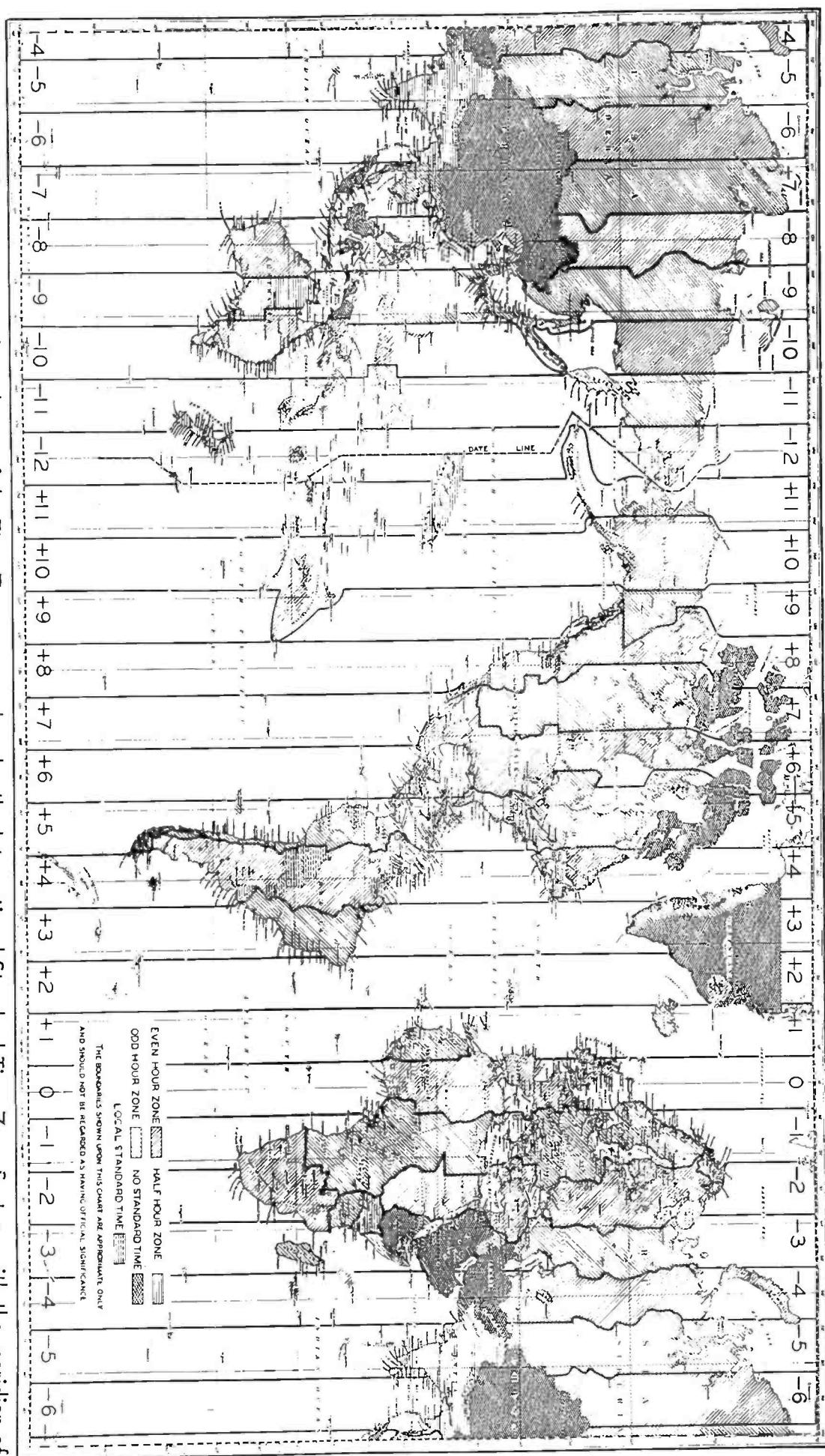
the somewhat cramped scale on the globe.

Space limitations make it impractical to include many small cities. However, the places shown are scattered in such a manner that approximate distances to nearby places may readily be calculated.



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. (13:00 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

CONVENTIONAL SIGNALS

AND

	R	PERIOD
B	S	SEMICOLON
C	T	COMMA
D	U	COLON
E	V	INTERROGATION
F	W	EXCLAMATION POINT
G	X	APOSTROPHE
H	Y	HYPHEN
I	Z	BAR INDICATING FRACTION
J	1	PARENTHESIS
K	2	INVERTED COMMAS
L	3	UNDERLINE
M	4	DOUBLE DASH
N	5	DISTRESS CALL
O	6	ATTENTION CALL TO PRECEDE
P	7	EVERY TRANSMISSION
Q	8	GENERAL INQUIRY CALL
FROM (DE)-----	-----	NOTE
INVITATION TO TRANSMIT (GO AHEAD)	-----	[TO BE USED FOR ALL GENERAL PUBLIC-SERVICE RADIO
WARNING-HIGH POWER	-----	COMMUNICATION. (1) A DASH IS EQUAL TO THREE DOTS;
QUESTION (PLEASE REPEAT AFTER..)	-----	(2) THE SPACE BETWEEN PARTS OF THE SAME LETTER
INTERRUPTING LONG MESSAGES	-----	IS EQUAL TO ONE DOT. (3) THE SPACE BETWEEN
WAIT-----	-----	TWO LETTERS IS EQUAL TO THREE DOTS;
BREAK (BK) (DOUBLE DASH)	-----	(4) THE SPACE BETWEEN TWO WORDS IS EQUAL
UNDERSTAND-----	-----	TO FIVE DOTS.]
ERROR-----	-----	
RECEIVED (O.K.)-----	-----	
POSITION REPORT (TO PRECDE)	-----	
ALL POSITION MESSAGES-----	-----	
END OF EACH MESSAGE (CROSS)	-----	
TRANSMISSION FINISHED	-----	
(END OF WORK) CONCLUSION	-----	
OF CORRESPONDENCE	-----	

**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 my station liquidated?	The accounts for charges of my station are liquidated by the private company (or government administration of).	QSQ.....	Must I send each word or group once only?	Send each word or group once only.
QRD.....	Where are you going?.....	I am going to	QSR.....	Has the distress call received from been attended to?	The distress call received from has been attended to by
QRF.....	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?	Sent on meters (or kilocycles) waves of type A1, A2, A3, or B. I am listening.
QRG.....	Will you indicate to me my exact wave length (frequency in kilocycles)?.....	I come from Your exact wave length is meters (or kilocycles). My exact wave length is meters (frequency kilocycles).	QSV.....	Must I shift to the wave of meters (or kilocycles) for the balance of our communications, and continue after having sent several V's?	Shift to wave of meters (or kilocycles) for the balance of our communications and continue after having sent several V's.
QRH.....	What is your exact wave length in meters (frequency in kilocycles)?.....	Your tone is bad.	QSW.....	Will you send on meters (or 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.
QRI.....	Is my tone bad?.....	I can not receive you. Your signals are too weak.	QSX.....	Does my wave length (frequency) vary?	Your wave length (frequency) varies.
QRJ.....	Are you receiving me badly? Are my signals weak?.....	I receive you well. Your signals are good.	QSY.....	Must I send on the wave of meters (or kilocycles) without changing the type of wave?	Sent on the wave of meters (or kilocycles) without changing the type of wave.
QKH.....	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.
QRL.....	Are you busy?.....	I am busy. Or, I am busy with Please do not interfere.	QTA.....	Must I cancel telegram No. as it had not been sent?	Cancelling telegram No. as it had not been sent.
QRN.....	Are you being interfered with?.....	I am being interfered with.	QTR.....	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.
QSN.....	Are you troubled by atmospheric conditions?.....	I am troubled by atmospheric conditions.	QTC.....	How many telegrams have you to send?.....	I have telegrams for you or for The word count which you confirm to me is
QRO.....	Must I increase power?.....	Increase power.	QTD.....	Is the word count which I am confirming to you correct?	Your true bearing is degrees (az). Your true bearing relative is is degrees at (o'clock).
QRP.....	Must I decrease power?.....	Decrease power.	QTE.....	What is my true bearing? (or) What is my true bearing relative to?.....	What is the position of my station based on the bearing on the last bearing taken while I control latitude longitude?
QRR.....	Must I send faster?.....	Send faster (..... words per minute).	QTF.....	Will you give me the position of my station based on the last bearing taken while I control latitude longitude?	I am sending my call signal for one minute on the wave length of meters (or kilocycles) in order that you may take my position.
QRS.....	Must I send more slowly?.....	Send more slowly (..... words per minute).	QTG.....	Will you return my call signal for one minute on a wave length of meters (or kilocycles) in order that I may take your position?	I am sending my call signal for one minute on the wave length of meters (or kilocycles) in order that you may take my position.
QRT.....	Must I send in short dashes?.....	Send in short dashes.	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).
QRU.....	Have you any calling for me?.....	I have nothing for you.	QTI.....	What is your true course?.....	My true course is degrees.
QRV.....	Must I send a series of V's?.....	Send a series of V's.	QTJ.....	What is your speed?.....	My speed is knots, or kilometers per hour.
QRW.....	Must I advise that you are calling him?.....	Please advise that I am calling him. Wait until I have finished communicating with will I call you immediately (or at a certain time).	QTE.....	What is the true bearing of relative to you?.....	The true bearing of relative to me is degrees at (o'clock).
QRX.....	Must I wait? When will you call me again?.....	Your turn is No. (or according to any other indication).	QTL.....	Send radio signals to enable me to determine my bearing with respect to the radio-beacons.	I am sending radio signals to permit you to determine your bearing with respect to the radio-beacons.
QRY.....	Which is my turn?.....	You are being called by	QTM.....	Send radio signals and submarine sound signals to enable me to determine my bearing and my distance.	I am sending radio signals and submarine sound signals to permit you to determine your bearing and your distance.
QRZ.....	By whom am I being called?.....	The strength of your signals is (1 to 5).	QTN.....	Can you take the bearing of my station (or of)?.....	I can not take the bearing of your station (or of).
QSB.....	Does the strength of my signals vary?.....	Your signals disappear entirely at intervals.	QTP.....	Are you ready to enter the dock (or the port)?	I am going to enter the dock (or the port).
QSC.....	Do my signals disappear entirely at intervals?.....	Your keying is bad.	QTH.....	What is the exact time?.....	The exact time is
QSD.....	To my keying bad?.....	Your signals are unreadable.	QTS.....	What is the true bearing of your station relative to me?.....	The true bearing of my station relative to you is at (o'clock).
QSE.....	Are my signals distinct?.....	Your signals run together.	QTU.....	What are the hours during which your station is open?.....	My station is open from to
QSF.....	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).			
QSG.....	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.			
QSJ.....	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.			
QSK.....	Must I send and reflect? At what time will you call me again?.....	Submarine traffic. I will call you again at (o'clock).			
QSL.....	Can you give me acknowledgement of receipt?.....	I give you acknowledgement of receipt.			
QSM.....	Have you received my acknowledgement of receipt?.....	I have not received your acknowledgement of receipt.			
QSN.....	Can you receive me now? Must I continue to holler?.....	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).



Coils _____ Tuning } _____ to ____ m.
or
Switch Setting _____ Range } _____ to ____ kc.



Coils _____ Tuning } _____ to ____ m.
or
Switch Setting _____ Range } _____ or to ____ kc.

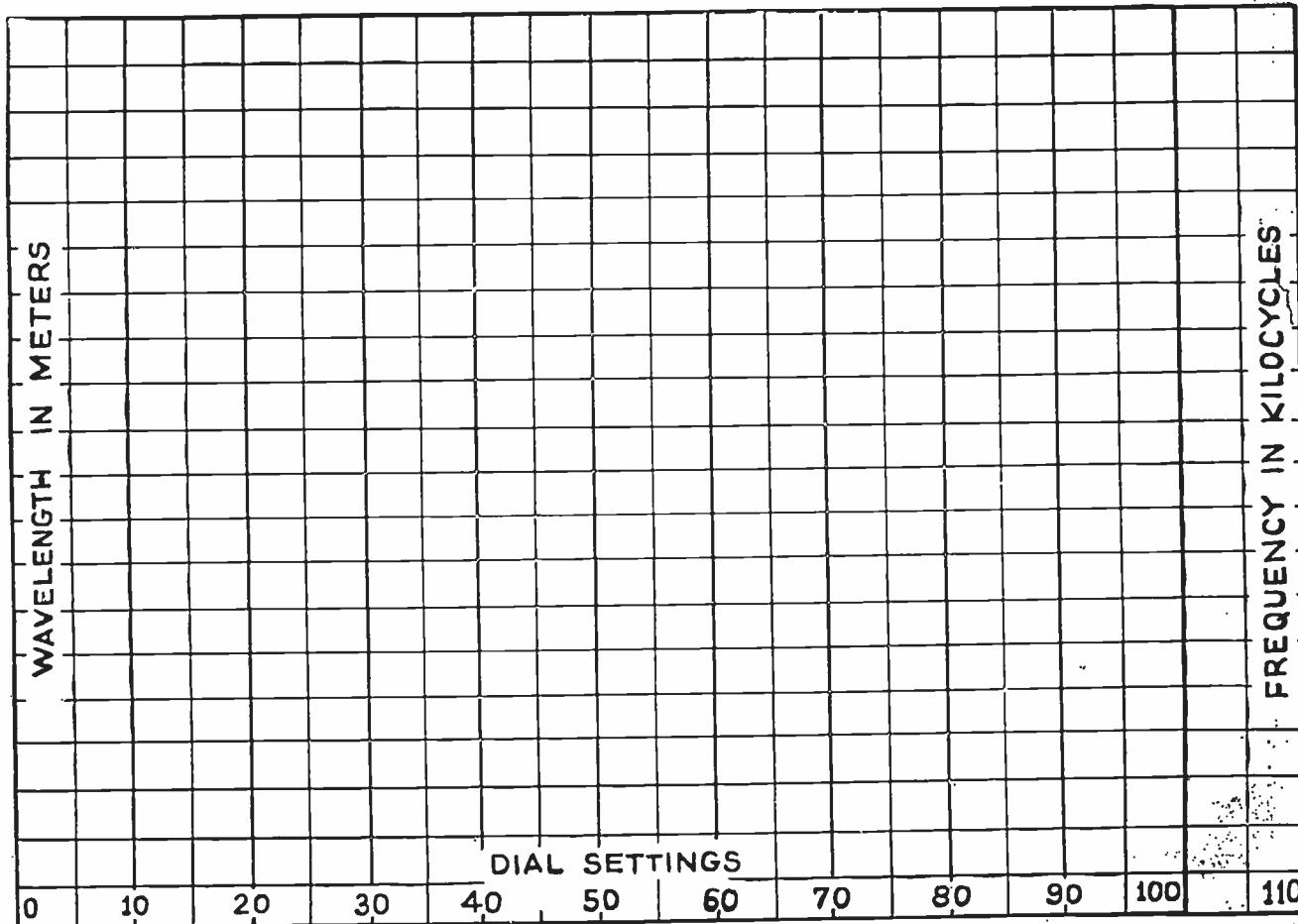
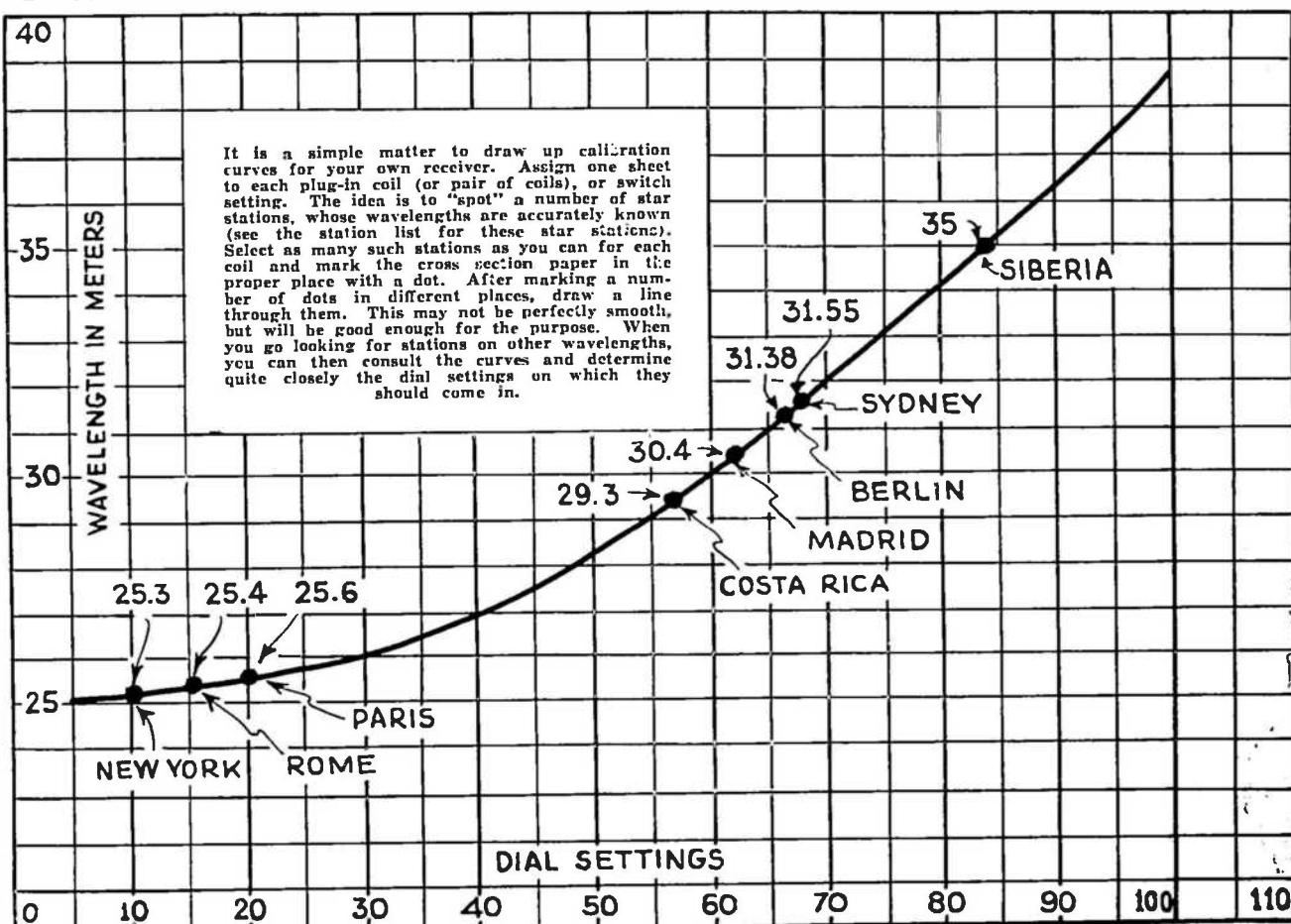


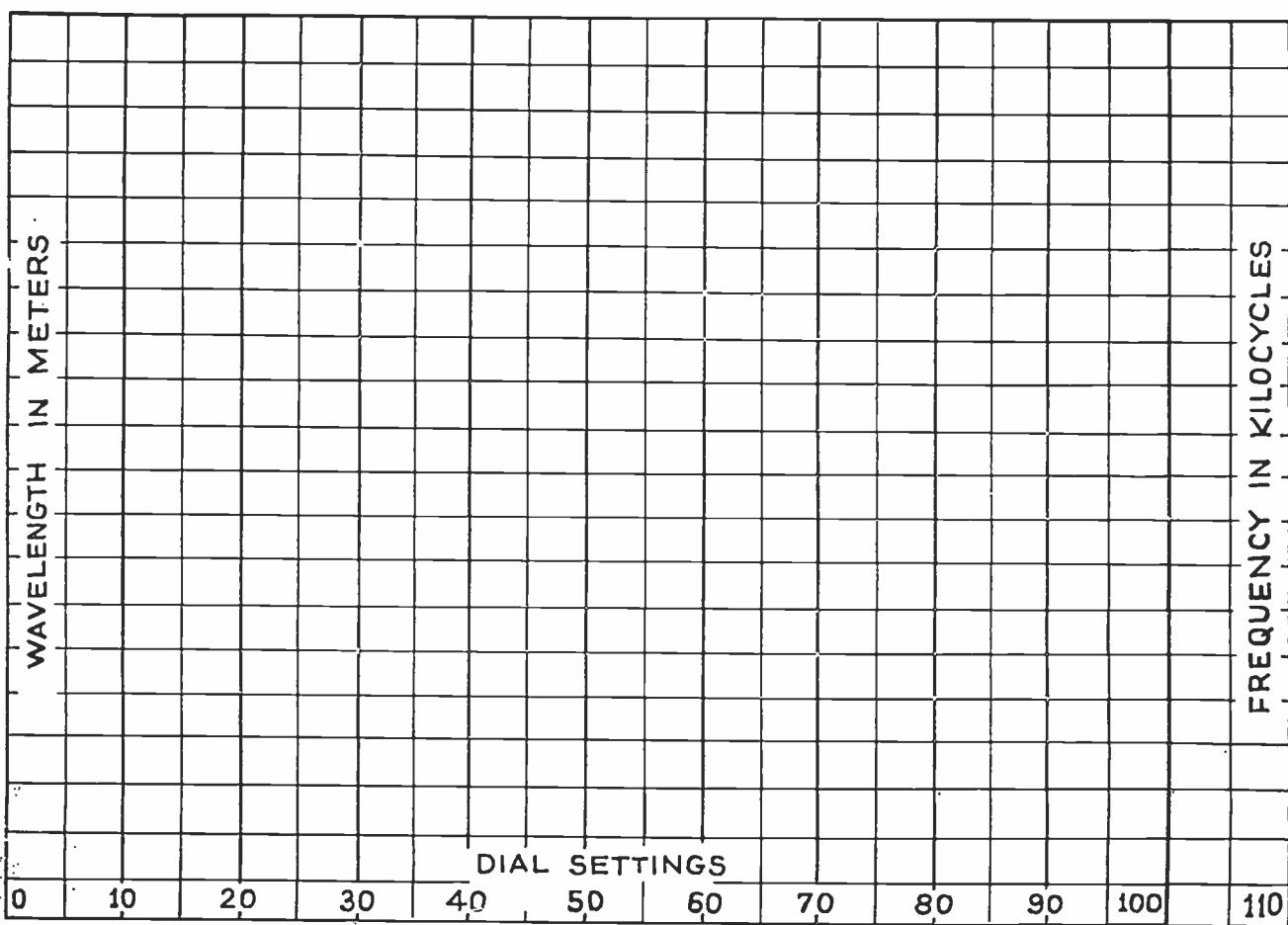
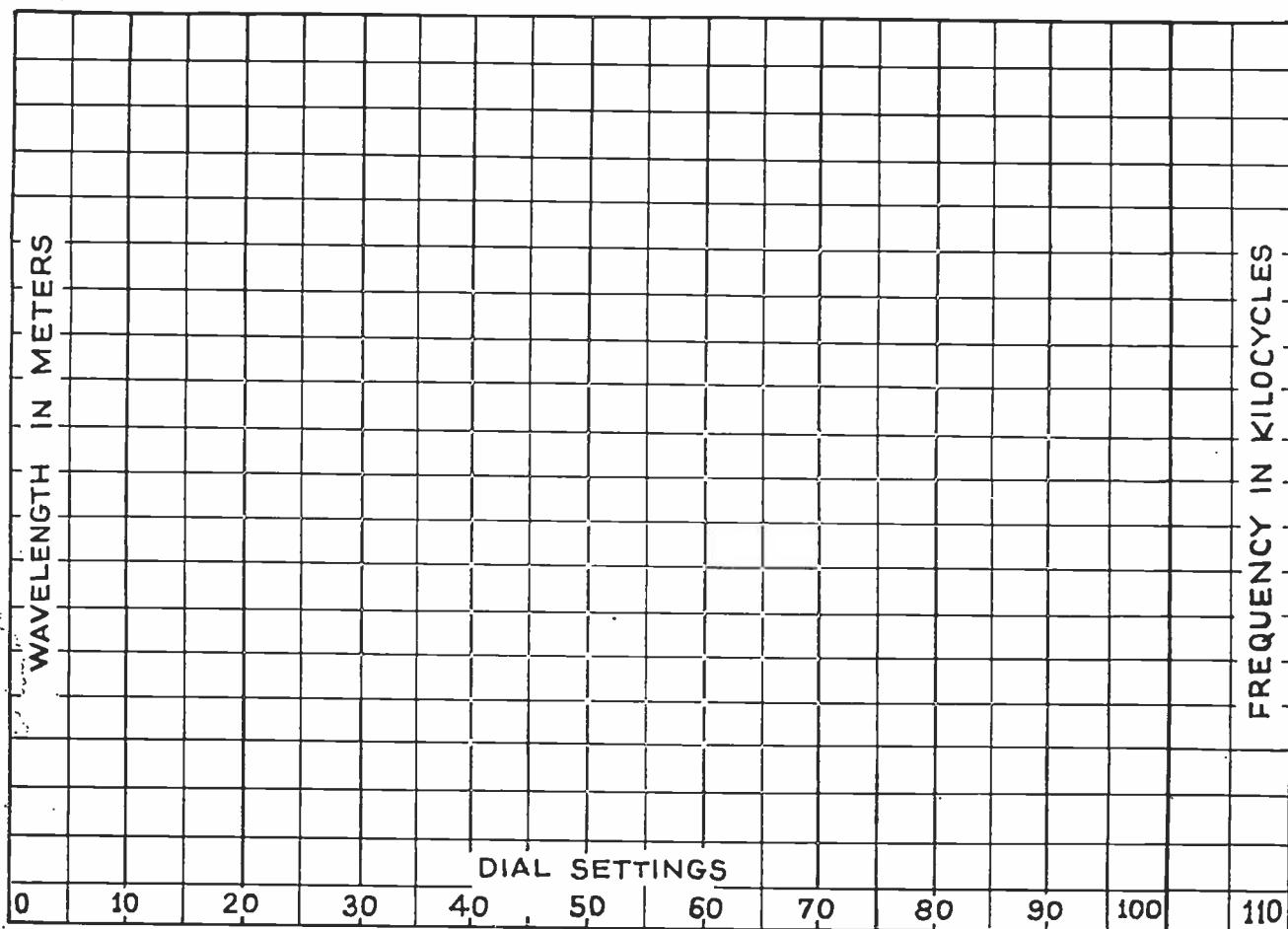
Coils _____ Tuning } to ____ m.
or
Switch Setting _____ Range } or to ____ kc.



Coils _____ Tuning } _____ to _____ m.
or
Switch Setting _____ Range } _____ or _____ to _____ kc.

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.

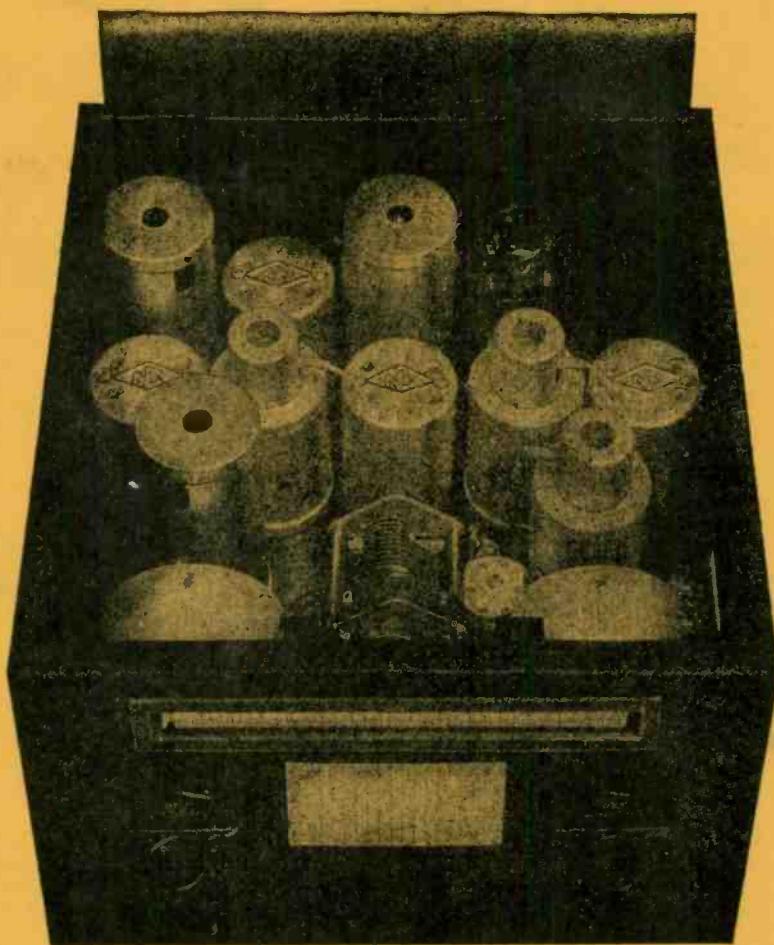
PARTIAL LIST OF CONTENTS

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.

