



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

C34.5: 915

DEPARTMENT OF COMMERCE
BUREAU OF NAVIGATION
RADIO SERVICE

RADIO STATIONS OF THE UNITED STATES

EDITION JULY 1, 1915



WASHINGTON
GOVERNMENT PRINTING OFFICE
1915

CATALOGUED

MICHIGAN STATE UNIVERSITY LIBRARIES



3 1293 01097 7324

K

Google

DEPARTMENT OF COMMERCE
BUREAU OF NAVIGATION
RADIO SERVICE

RADIO STATIONS OF THE
UNITED STATES

EDITION JULY 1, 1915



WASHINGTON
GOVERNMENT PRINTING OFFICE
1915

Additional copies of this publication may be procured from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 15 cents per copy.

Copies of other publications of the Radio Service, Department of Commerce, may also be procured from the Superintendent of Documents, as follows: Radio Communication Laws and Regulations, 15 cents each; Radio Service Bulletin (issued monthly), containing amendments to or changes in radio laws and regulations and items of general interest concerning their enforcement, with latest information concerning all radio stations, except amateur, 5 cents each or 25 cents per year.

CONTENTS.

	Page.
Introduction.....	5
Land radio stations, alphabetically by names of stations.....	10
Ship radio stations, alphabetically by names of vessels.....	17
Land and ship radio stations, alphabetically by call signals.....	39
Special land radio stations, alphabetically by names of stations.....	62
Special land radio stations, grouped by districts.....	66
Amateur radio stations.....	68
First district (headquarters, Boston, Mass.).....	68
Alphabetically by owners of stations.....	68
Alphabetically by call signals.....	77
Second district (headquarters, New York, N. Y.).....	82
Alphabetically by owners of stations.....	82
Alphabetically by call signals.....	93
Third district (headquarters, Baltimore, Md.).....	98
Alphabetically by owners of stations.....	98
Alphabetically by call signals.....	110
Fourth district (headquarters, Savannah, Ga.).....	116
Alphabetically by owners of stations.....	116
Alphabetically by call signals.....	117
Fifth district (headquarters, New Orleans, La.).....	118
Alphabetically by owners of stations.....	118
Alphabetically by call signals.....	119
Sixth district (headquarters, San Francisco, Cal.).....	120
Alphabetically by owners of stations.....	120
Alphabetically by call signals.....	126
Seventh district (headquarters, Seattle, Wash.).....	129
Alphabetically by owners of stations.....	129
Alphabetically by call signals.....	133
Eighth district (headquarters, Cleveland, Ohio).....	135
Alphabetically by owners of stations.....	135
Alphabetically by call signals.....	148
Ninth district (headquarters, Chicago, Ill.).....	155
Alphabetically by owners of stations.....	155
Alphabetically by call signals.....	164
Appendix.....	169
Transmission of time signals by naval radio stations.....	169
Transmission of weather reports by naval radio stations.....	170
International Morse code and conventional signals.....	173
List of abbreviations to be used in radio communication.....	174

NOTES.

Supplements, under the title "Radio Service Bulletin," will be issued monthly and distributed to the United States officers engaged in or concerned with the enforcement of the radio laws for their guidance and instruction, and to those concerned with the operation of Government and commercial radio stations for their information.

The Radio Service Bulletin supersedes the quarterly supplements to the list of Radio Stations of the United States, and contains information concerning Government, commercial, and special stations only. Information regarding amateur stations appears only in the annual edition of the list of Radio Stations of the United States.

The bulletin contains tables of new stations, alterations, and corrections under headings, so that the list of Radio Stations of the United States and the list of Radiotelegraph Stations, published by the international bureau at Berne, may be brought up to date. Additions, alterations, and corrections should be entered in these two publications promptly on receipt of the bulletin.

Amendments to or changes in the Radio Laws and Regulations of the United States are printed in this bulletin in such a manner that they may be clipped and pasted in their proper places in that publication.

Items of general interest concerning the enforcement of the radio laws are printed in the bulletin from time to time, as occasion warrants.

Copies of this bulletin may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents per copy or 25 cents per year.

Underscoring of normal wave lengths is indicated by the use of italics.

Government vessels showing "nature of service" to be PG will accept or transmit paid messages for officers or members of crews.

Government vessels proceeding singly may relay messages to the coast upon request. The regular ship rate will apply.

INTERNATIONAL ABBREVIATIONS USED IN THIS LIST.

Nature of service:

PG=General public.

PR=Limited public.

P=Private (limited commercial and special).

O=Government business exclusively.

Hours of operation:

N=Continuous service.

X=No regular hours.

Classification:

b=Ship station.

c=Land station.

OTHER ABBREVIATIONS.

Assn.=Association.

Corp.=Corporation.

Nav.=Navigation.

Transp.=Transportation.

Marconi Co.=Marconi Wireless Telegraph Co. of America.

U. S. C. G.=United States Coast Guard.

D., L. & W. R. R. Co.=Delaware, Lackawanna & Western Railroad Co.

RADIO STATIONS OF THE UNITED STATES.

INTRODUCTION.

This list, including land and ship stations, is published in accordance with Section I of an act of Congress entitled "An act to regulate radio communication," approved August 13, 1912.

The following instructions concerning radio call letters are issued for the information of those concerned:

1. Section 7 of the act of August 13, 1912, to regulate radio communication provides:

Sec. 7. That a person, company, or corporation within the jurisdiction of the United States shall not knowingly utter or transmit, or cause to be uttered or transmitted, any false or fraudulent distress signal or call or false or fraudulent signal, call, or other radiogram of any kind. The penalty for so uttering or transmitting a false or fraudulent distress signal or call shall be a fine of not more than two thousand five hundred dollars or imprisonment for not more than five years, or both, in the discretion of the court, for each and every such offense, and the penalty for so uttering or transmitting, or causing to be uttered or transmitted, any other false or fraudulent signal, call, or other radiogram shall be a fine of not more than one thousand dollars or imprisonment for not more than two years, or both, in the discretion of the court, for each and every such offense.

2. The Service Regulations of the International Radiotelegraphic Conventions provide that the call letters of stations in the international system must each be formed of a group of three letters which shall be distinguishable from one another. The London International Radiotelegraphic Conference made a partial allotment of call letters among nations which signed the convention and the International Bureau at Berne, with the consent of such nations, has modified and added to this assignment of call letters by circulars of April 1, 1914, and August 1, 1915. The distribution of call letters among nations thus authorized is printed below for the guidance of operators of all stations (ship and shore) of the United States.

A.....All to Germany and protectorates.	CRA to CTZ...Portugal and colonies.
B.....All to Great Britain.	CUA to CUZ...Not yet assigned.
CAA to CEZ...Chile.	CVA to CVZ...Roumania.
CFA to CMZ...Not yet assigned.	CWA to CWZ...Uruguay.
CNA to CNZ...Morocco.	CXA to CZZ...Not yet assigned.
COA to COZ...Not yet assigned.	D.....All to Germany and protectorates.
CPA to CPZ...Bolivia.	EAA to EGZ...Spain and colonies.
CQA to CQZ...Monaco.	EHA to EZZ...Not yet assigned.

F.....All to France and colonies.	R.....All to Russia.
G.....All to Great Britain.	SAA to SMZ...Sweden.
HAA to HFZ..Austria-Hungary and Bosnia-Herzegovina.	SNA to STZ...Brazil.
HGA to HHZ..Siam.	SUA to SUZ...Egypt.
HIA to HIZ..Dominican Republic.	SVA to SZZ...Greece.
HJA to HKZ..Colombia (Republic).	TAA to TMZ...Turkey.
HLA to HZZ..Not yet assigned.	TNA to TZZ....Germany and protectorates.
I.....All to Italy and colonies.	UAA to UMZ..France and colonies.
J.....All to Japan and possessions.	UNA to UZZ..Austria-Hungary and Bosnia-Herzegovina.
KAA to KCZ..Germany and protectorates.	VAA to VGZ..Canada (British).
KDA to KZZ..United States.	VIA to VKZ..Australian Federation (British).
LAA to LHZ..Norway.	VLA to VMZ..New Zealand (British).
LIA to LRZ..Argentine Republic.	VNA to VNZ..South African Union (British).
LSA to LWZ..Not yet assigned.	VOA to VOZ..Newfoundland (British).
LXA to LZZ..Bulgaria.	VPA to VSZ...British colonies not autonomous.
M.....All to Great Britain.	VTA to VWZ..British India.
N.....All to the United States.	VXA to VXZ..Newfoundland (British).
OAA to OFZ..Not yet assigned.	VYA to VZZ...Great Britain.
OGA to OMZ..Austria-Hungary and Bosnia-Herzegovina.	W.....All to the United States.
ONA to OTZ...Belgium and colonies.	XAA to XDZ..Mexico.
OUA to OZZ..Denmark.	XEA to XMZ..Not yet assigned.
PAA to PIZ..Netherlands.	XNA to XSZ..China.
PJA to PJM...Curaçao (Dutch).	XTA to XZZ..Not yet assigned
PJN to PJZ....Surinam (Dutch).	Y.....All to Great Britain.
PKA to PMZ..Dutch East Indies.	Z.....All to Great Britain.
PNA to PZZ...Brazil.	
Q.....Reserved for code abbreviations.	

PUBLIC-SERVICE STATIONS.

3. The call letters assigned to the United States are all combinations (676) beginning with the letter N and all (676) beginning with the letter W, and all combinations (598) from KDA to KZZ, inclusive. The total number of international call letters assigned to the United States is thus 1,950, and these are reserved for Government stations and stations open to public and limited commercial service.

(a) All combinations beginning with the letter N are reserved for Government stations and in addition the combinations from WUA to WVZ and WXA to WZZ are reserved for stations of the Army of the United States.

(b) The combinations KDA to KZZ, with a few exceptions, are reserved for ship stations on the Atlantic and Gulf of Mexico and for land stations on the Pacific coast.

(c) The combinations beginning with W (except WUA to WVZ and WXA to WZZ as already indicated) are reserved, with a few

exceptions, for ship stations on the Pacific and the Great Lakes and for land stations on the Atlantic and Gulf coasts and in the Great Lakes region.

AMATEUR STATIONS.

4. The call letters for amateur stations in the United States are awarded by radio inspectors, each for his own district, according to the following system:

(a) The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. Thus, the call of all amateur stations in New England (which comprises the first district) is the figure “one” in Continental Morse, followed by two letters; in California (in the sixth district) the figure “six” followed by two letters; in South Carolina the figure “four” followed by two letters; in Missouri the figure “nine” followed by two letters, etc. The letters X, Y, Z, are not used as the first of the two letters.

The territory of each district is as follows:

1. BOSTON, MASS.....Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut.
2. NEW YORK, N. Y.....New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Albany, Rensselaer, and Schenectady), and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson, and Ocean).
3. BALTIMORE, MD.....New Jersey (all counties not included in second district), Pennsylvania (counties of Philadelphia, Delaware, all counties south of the Blue Mountains, and Franklin County), Delaware, Maryland, Virginia, District of Columbia.
4. SAVANNAH, GA.....North Carolina, South Carolina, Georgia, Florida, Porto Rico.
5. NEW ORLEANS, LA....Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.
6. SAN FRANCISCO, CAL..California, Hawaii, Nevada, Utah, Arizona.
7. SEATTLE, WASH.....Oregon, Washington, Alaska, Idaho, Montana, Wyoming.
8. CLEVELAND, OHIO.....New York (all counties not included in second district), Pennsylvania (all counties not included in third district), West Virginia, Ohio, Michigan (Lower Peninsula).
9. CHICAGO, ILL.....Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula), Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa, Nebraska, South Dakota, North Dakota.

(b) The three items—a given figure first, followed by two letters of the alphabet—thus may be combined in 598 different calls.

(c) Radio inspectors insert amateur station calls in station licenses according to this system, and keep a permanent chart of 598 squares, lettered with the alphabet from left to right and from top to bottom (A to W), inserting in the appropriate square the serial license number and name of owner of the station to which the call letters are awarded. Within these limitations radio inspectors

will use their discretion in the award of calls, avoiding, of course, duplications.

(d) When a station is abandoned and the license canceled, or if a license shall be forfeited for violation of law, the call assigned to it may be allotted to another station.

(e) When the entire 598 calls have been exhausted, radio inspectors will issue additional calls, consisting of the figure of the district followed by three letters. From such combinations will be excluded the combinations SOS and PRB, all three-letter combinations beginning with QR or QS, all combinations involving the repetition of the same letter three times, three-letter combinations beginning with K, N, W, X, Y, Z, and other combinations, which, for various reasons, international, national, local, or individual, may be objectionable. With such exclusions, over 10,000 calls will remain for each district.

LIMITED COMMERCIAL STATIONS.

5. Calls for limited commercial land stations are allotted by the Bureau of Navigation.

SPECIAL CLASSES OF STATIONS.

6. Calls for special classes of stations, such as experiment stations for the development of radio communication, technical and training school stations, and special amateur stations are allotted by the Bureau of Navigation.

The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. The first letter will be: X, for experiment stations; Y, technical and training schools; Z, special amateur stations.

Twenty-six different combinations for each class in each district are possible. If more should prove necessary for any class in any district, a third letter will be added to the call.

RADIO STATIONS OF THE WORLD.

The International List of Radio Stations of the World (edition in English) can be procured from the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland.

In addition to the information contained in the list of the United States stations, published by the Bureau of Navigation, the international list shows geographical locations, normal ranges in nautical miles, radio systems, and rates.

The international list includes the Government and commercial land and ship stations of the United States. The list is divided into three parts. The first part contains a list of ship stations, grouped

by countries and arranged alphabetically; the second part contains a list of land stations arranged in the same manner; and the third part contains tables of land line and cable charges from coast radio stations to inland and various other points. In computing the total word rate applicable to a radiogram from a ship station to an inland point, or vice versa, the three rates must be added. The rates in the international list are given in francs, but may be converted into dollars and cents by multiplying by five. Supplements to the international list will be issued monthly, and will contain new stations and tables of alterations. A copy of the international list should be in every land and ship station open to commercial business as the official tariff book, and a copy of this list is *required* as a part of the equipment of every land station open to general public service and every ship station of the first or second class on American vessels engaged in foreign trade or the transoceanic service.

The International Alphabetical List of Call Letters (stations of the world) is also issued by the International Bureau at Berne, and supplements are issued monthly.

Neither the international list nor the supplements contain a list of amateur stations.

Inquiries as to the subscription prices of these lists should be made direct to the Berne bureau at the address given above. Remittances to Berne should be made by international postal money orders.

E. T. CHAMBERLAIN,
Commissioner of Navigation.

Approved:

E. F. SWEET,
Acting Secretary.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This list includes Government, commercial, special, and all other land stations except special and restricted and general amateur.]

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Akron, Ohio.....	WOI	300, 600, 2070	-----	8 a. m. to 4.30 p. m.	Goodyear Tire & Rubber Co.
Akutan, Alaska.....	KMW	-----	PR	-----	North Pacific Sea Products Co.
Albina, Oreg. <i>See</i> Portland, Oreg. (KGN).					
Annapolis, Md.....	NAK	-----	O	8 a. m. to 10 p. m.	U. S. Navy.
Arlington, Radio, Va.	NAA	-----	O	N	U. S. Navy.
Ashtabula, Ohio.....	WSA	300, 600	PG	6.30 a. m. to 6 p. m.	Marconi Co.
Astoria, Oreg.....	KPC	300, 600, 1800, 3100	PG	N	Marconi Co.
Avalon, Cal.....	KPI	300, 527, 600	PR	7 a. m. to 8 p. m.	Marconi Co.
Balboa, Panama.....	NPJ	600	PG	N	U. S. Navy.
Baltimore, Md.....	WBS	300, 550, 600	PG	6 a. m. to midnight.	Marconi Co.
Beaufort, N. C.....	NAN	-----	O	N	U. S. Navy.
Belmar, N. J.....	WII	-----			Marconi Co.
Benton Harbor, Mich.	WIZ	300, 500, 600	PR	X	Grahan & Morton Transp. Co.
Binghamton, N. Y...	WBT	1610	PR	X	D., L. & W. R. R. Co.
Bolinas, Cal.....	KET	-----			Marconi Co.
Boston, Mass.....	WCH	300, 600, 1610, 2000, 2400, 2800	P	X	Nat. Elec. Signaling Co.
Boston, Mass.....	WBF	300, 600	PG	N	Marconi Co.
Bremerton, Wash. <i>See</i> Puget Sound.	NAD	-----	O	N	U. S. Navy.
Brooklyn, N. Y.....	WCG	{ 300, 600, 1650, 1800, 2600, 3600 }	{ PG PR }	{ 4 a. m. to noon; 1 p. m. to 9 p. m. }	{ Nat. Elec. Signaling Co. }
Brownsville, Tex.....	WUZ	1000	O	X	U. S. Army.
Buffalo, N. Y.....	WBL	300, 600	PG	(1)	Marconi Co.
Burrwood, La.....	WBW	{ 300, 600, 1650, 1800 }	{ PG PR }	{ (2) }	{ Tropical Radio Telegraph Co. }
Calumet, Mich.....	WCM	300, 600	PG	(3)	Marconi Co.
Canton, Ohio.....	WQP	500	P	X	Henry L. Ley.
Cape Blanco, Oreg...	NPF	600	PG	N	U. S. Navy.
Cape Cod, Mass.....	NAE	-----	O	N	U. S. Navy.
Cape Hatteras (Buxton), N. C.	WHA	300, 600	PG	N	Marconi Co.

¹ Apr. 15 to June 3 and Sept. 15 to Dec. 15: 1 a. m. to 7 a. m.; 7 p. m. to midnight. June 3 to Sept. 15: 1 a. m. to 6 a. m.; 7 a. m. to noon; 1 p. m. to 6 p. m.; 7 p. m. to midnight.

² 7 a. m. to 7.05 a. m.; 9 a. m. to 9.05 a. m.; 11 a. m. to 11.05 a. m.; 2 p. m. to 2.05 p. m.; 4 p. m. to 4.05 p. m.; 7 p. m. to 7.05 p. m.

³ 2 a. m. to 7 a. m.; 8 a. m. to 1 p. m.; 2 p. m. to 7 p. m.; 8 p. m. to 1 a. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Cape May, N. J.....	WCY	300, 550, 600	PG	N	Marconi Co.
Cavite, P. I.....	NPO	.....	O	N	U. S. Navy.
Charleston, S. C.....	NAO	600	PG	N	U. S. Navy.
Chicago, Ill.....	WGO	300, 500, 600	{PG PR}	(1)	Marconi Co.
Chignik, Alaska.....	KHC	.....	.....	.....	Marconi Co.
Circle City, Alaska...	WVA	600, 1400	O	.....	U. S. Army.
Clarks Point, Alaska...	KHG	.....	.....	.....	Marconi Co.
Cleveland, Ohio.....	WCX	300, 600	PG	(2)	Marconi Co.
Colon, Panama.....	NAX	600	PG	N	U. S. Navy.
Cordova, Alaska.....	NPA	600	PG	N	U. S. Navy.
Corregidor Isld., P. I. See Fort Mills.	.....	.....	.....	.....	.....
Cuyo, P. I.....	WVX	600, 1200	PG	7 a. m. to 6.15 p. m.	Insular Govt., Phil- ippine Islds.
Daly City, Cal. See Hillcrest.	.....	.....	.....	.....	.....
Darien, Panama.....	NBA	.....	O	N	U. S. Navy.
Davao, Mindanao Isld., P. I.	WVO	600, 1200	PG	7 a. m. to 6 p. m.	U. S. Army.
Denver, Colo.....	KIX	600	P	(3)	William H. Smith.
Detroit, Mich. (WDR). See River Rouge, Mich.	.....	.....	.....	.....	.....
Detroit, Mich.....	WOK	300, 600, 2070	.....	8.30 a. m. to 4.30 p. m.	Goodyear Tire & Rubber Co.
Diamond Shoals Lightship (off Cape Hatteras, N. C.).	NLB	.....	O	6 a. m. to 10 p. m.	U. S. Navy.
D., L. & W. R. R. lim- ited train.	WBI	.....	.....	.....	D., L. & W. R. R. Co.
Douglas, Ariz.....	KDC	300, 600	P	(4)	Copper Queen Consolidated Mining Co.
Dover, N. J.....	WBX	.....	.....	.....	D., L. & W. R. R. Co.
Duluth, Minn.....	WDM	300, 600	PG	(5)	Marconi Co.
Dutch Harbor, Alaska	NPR	600	PG	N	U. S. Navy.
East San Pedro, Cal..	KPJ	300, 500, 600	{PG PG}	N	Marconi Co.
Egegak, Alaska.....	KMF	300, 600	P	X	North Alaska Sal- mon Co.
Ensenada, P. R.	WPR	300, 600, 1610	{PR PG}	(6)	Guanica Centrale.
Eureka, Cal.....	KPM	300, 600	PG	(7)	Marconi Co.
Eureka, Cal.....	NPW	600	PG	N	U. S. Navy.
Fairbanks, Alaska ...	WVB	600, 1400	PG	.....	U. S. Army.
Farallons, Cal.....	NPI	.....	O	N	U. S. Navy.
Fire Island, N. Y.....	NAG	.....	O	N	U. S. Navy.
Fort Adams, R. I.....	WUU	1200	O	6 a. m. to 10 p. m.	U. S. Navy.

¹ 12.30 p. m. to 7 p. m.; 8 p. m. to 11.30 p. m.; 12.30 a. m. to 7 a. m.; 8 a. m. to 11.30 a. m.; when lake is open to navigation.

² 9 a. m. to noon; 12.30 p. m. to 8 p. m.; 9 p. m. to 11 p. m.; 12 midnight to 8 a. m.

³ 9 a. m. to 11.30 a. m.; 7.30 p. m. to 11 p. m.

⁴ 10 a. m. to 11 a. m.; 4 p. m. to 5 p. m.

⁵ 1 a. m. to 7 a. m.; 8 a. m. to noon; 1 p. m. to 7 p. m.; 8 p. m. to midnight.

⁶ Week days, 8 a. m. to 6 p. m.; Sundays, 9 a. m. to noon.

⁷ 8.30 a. m. to 6 p. m.; 7.30 p. m. to 5 a. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Fort Andrews, Mass..	WUA	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Barrancas, Fla..	WZD	1200	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Crockett, Tex...	WUX	1200	O	6 a. m. to 10 p. m.	U. S. Army.
Fort De Russy, Hawaii.	WZG	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Drum, El Fraile Isld., Manila Bay, P. I.	WVP	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Egbert, Alaska..	WVC	600, 1400	O	.....	U. S. Army.
Fort Frank, Carabao Isld., Manila Bay, P. I.	WVL	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Gibbon, Alaska..	WVD	1600, 2000	O	.....	U. S. Army.
Fort Hancock, N. J..	WUB	.....	O	6 a. m. to 10 a. m.	U. S. Army.
Fort H. G. Wright, N. Y.	WUC	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Howard, Md....	WZB	1200	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Hughes, Caballo Isld., Manila Bay, P. I.	WVM	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Leavenworth, Kans.	WUD	1800	O	.....	U. S. Army.
Fort Leavenworth, Kans. (Army Signal School).	WUV	.....	O	.....	U. S. Army.
Fort Levett, Me.....	WUE	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Mills, Corregidor Isld., Manila Harbor, P. I.	WVN	.....	PG	6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va.....	WUF	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va. (Coast Artillery School).	WUG	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Morgan, Ala....	WFM	.....	{PR PG}	(¹)	Marconi Co.
Fort Morgan, Ala....	WUR	1200	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Riley, Kans....	WUI	1200	O	.....	U. S. Army.
Fort Rosecrans, Cal..	WUS	1200	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Sam Houston, Tex.	WUJ	650	O	.....	U. S. Army.
Fort San Jacinto, Tex.	WUY	1200	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Screven, Ga....	WZA	1200	O	6 a. m. to 10 p. m.	U. S. Army.

¹ For general public service, 7.10 a. m. to 7.20 a. m.; 7.40 a. m. to 7.50 a. m.; 8.10 a. m. to 8.20 a. m.; 8.40 a. m. to 8.50 a. m.; 9.10 a. m. to 9.20 a. m.; 10.10 a. m. to 10.20 a. m.; 10.40 a. m. to 10.50 a. m.; 11.10 a. m. to 11.20 a. m.; 11.40 a. m. to 11.50 a. m.; 12.10 p. m. to 12.20 p. m.; 2.10 p. m. to 2.20 p. m.; 2.40 p. m. to 2.50 p. m.; 3.10 p. m. to 3.20 p. m.; 3.40 p. m. to 3.50 p. m.; 4.10 p. m. to 4.20 p. m.; 4.40 p. m. to 4.50 p. m.; 5.10 p. m. to 5.20 p. m.; 5.40 p. m. to 5.50 p. m.; 6.10 p. m. to 6.20 p. m. For limited public service, 7 a. m. to 7.10 a. m.; 7.30 a. m. to 7.40 a. m.; 8 a. m. to 8.10 a. m.; 8.30 a. m. to 8.40 a. m.; 9 a. m. to 9.10 a. m.; 10 a. m. to 10.10 a. m.; 10.30 a. m. to 10.40 a. m.; 11 a. m. to 11.10 a. m.; 11.30 a. m. to 11.40 a. m.; 12 noon to 12.10 p. m.; 2 p. m. to 2.10 p. m.; 2.30 p. m. to 2.40 p. m.; 3 p. m. to 3.10 p. m.; 3.30 p. m. to 3.40 p. m.; 4 p. m. to 4.10 p. m.; 4.30 p. m. to 4.40 p. m.; 5 p. m. to 5.10 p. m.; 5.30 p. m. to 5.40 p. m.; 6 p. m. to 6.10 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours of operation.	Station controlled by—
Fort Shafter, Honolulu, Hawaii.	WZH	300	O	.....	U. S. Army.
Fort Stevens, Oreg...	WUK	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort St. Michael, Alaska.	WVE	600, 1200	PG	9 a. m. to 9 p. m.	U. S. Army.
Fort Terry, N. Y....	WUW	1200	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Totten, N. Y...	WUL	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Whitman, Wash.	WZC	1200	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Winfield Scott, Cal.	WUO	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Wint, Grand Isld., Manila Bay, P. I.	WVR	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Wm. McKinley, Luzon Isld., P. I.	WVQ	600	O	.....	U. S. Army.
Fort Wood, N. Y.....	WUM	.....	O	.....	U. S. Army.
Fort Worden, Wash..	WUN	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Frankfort, Mich.....	WFK	300, 600	PG	(¹)	Marconi Co.
Frying Pan Shoals Lightship (off Cape Fear, N. C.)	NLC	.....	O	6 a. m. to 10 p. m.	U. S. Navy.
Galveston, Tex.....	WGV	300, 500, 600	PG	(²)	Marconi Co.
Grand Haven, Mich..	WGH	300, 600	PG	(³)	Marconi Co.
Guam, Marianne Islds.	NPN	300, 600	PG	N	U. S. Navy.
Guantanamo Bay, Cuba.	NAW	600	PG	N	U. S. Navy.
Hatteras, N. C. See Cape Hatteras.					
Heeia Point, Hawaii.	KHX	300, 600, 3000, 3500, 5500, 8000, 10000, 12000	PR	N	Federal Telegraph Co.
Hillcrest, Cal.....	KPH	300, 600	PG	N	Marconi Co.
Hoboken, N. J.....	WBU	2250	PR	X	Marconi Co.
Hollister, Cal.....	KGH	300, 600, 1650	PR	X	George Hewlett (Inc.).
Honolulu, Hawaii....	NPM	.....	O	N	U. S. Navy.
Hull, Mass.....	WLO	300, 600, 1650	P	X	Ralph C. Emery.
Huntington Harbor, Northport, N. Y.	WLM	.....	.....	.....	W. K. Vanderbilt, jr.
Iditarod, Alaska....	KIV	500	PR	9 a. m. to 7 p. m.	Alaska Wireless Telegraph Co.
Isle Royal, Mich....	WRO	300, 600	.....	.....	Marconi Co.
Jacksonville, Fla....	WJX	300, 600	PG	(⁴)	Marconi Co.
Jolo, Jolo Isld., P. I..	WVS	600	PG	7 a. m. to 5.15 p. m.	Insular Govt., Philippine Islds.
Jualin, Alaska.....	KJA	.....	.....	.....	Marconi Co.
Juneau, Alaska.....	KDU	300, 600, 1800, 3100	PG	N	Marconi Co.
Jupiter, Fla.....	NAQ	.....	O	N	U. S. Navy.
Kahuku, Hawaii. See Koko Head.					

¹ 8 a. m. to noon; 1 p. m. to 7 p. m.² 7 a. m. to 12 noon; 1 p. m. to 2 a. m.³ 7 a. m. to noon; 8 p. m. to 11 p. m.⁴ 5.30 a. m. to midnight.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours of operation.	Station controlled by—
Karluk, Alaska.....	KHIA				Marconi Co.
Kaunakakai, Hawaii.	KHO	300, 450	PR	X	Mutual Telephone Co. (Ltd.).
Kawaihae, Hawaii...	KHN	300, 600			Mutual Telephone Co. (Ltd.).
Ketchikan, Alaska...	KPB	300, 600, 1800, 3100	PG	N	Marconi Co.
Key West, Fla.....	NAR	600	PG	N	U. S. Navy.
Kodiak, Alaska.....	NPS	600	PG	N	U. S. Navy.
Kogiung, Alaska.....	KHB				Marconi Co.
Koko Head, Hawaii..	KHJ		PR		Marconi Co.
Koko Head, Hawaii..	KIE				Marconi Co.
Kotlik, Alaska.....	WVF	600	PG	(1)	U. S. Army.
Kvichak, Alaska.....	KMT	300, 600, 2000	PR	X	North Alaska Salmon Co.
Kvichak Alaska.....	KML	300, 500, 600	P	X	North Alaska Salmon Co.
"Lackawanna Limited." See D., L. & W. R. R. limited train.					
Lahaina, Hawaii.....	KHL	300, 600	PG		Mutual Telephone Co. (Ltd.).
Lents, Oreg.....	KFU		PR		Federal Tel. Co.
Lihue, Hawaii.....	KHM	300, 600	PG		Mutual Telephone Co. (Ltd.).
Los Angeles, Cal.....	KEX	300, 600	P	9 a. m. to 5 p. m.	Marconi Co.
Los Angeles, Cal.....	KLS				Federal Telegraph Co.
Ludington, Mich. ...	WLD	300, 600	PG	(2)	Marconi Co.
Mackinac Island, Mich.	WHQ	600	PG	(3)	Marconi Co.
Malabang, Mindanao Isld., P. I.	WVT	600, 1200	PG	7 a. m. to 7.30 p. m.	Insular Govt., Philippine Islds.
Manila, P. I.....	WVU	600	O		U. S. Army.
Manistique, Mich....	WMX	300, 600	PG	(4)	Marconi Co.
Manitowoc, Wis.....	WMW	300, 600	PG	(5)	Marconi Co.
Mare Island, Cal....	NPH		O	N	U. S. Navy.
Marshall, Cal. See Bolinas, Cal.					
Marshfield, Oreg.....	KPX	300, 600	PG	8 a. m. to 6 p. m.	Marconi Co.
Miami, Fla.....	WST	300, 550, 600	PG	N	Marconi Co.
Milwaukee, Wis.....	WME	300, 600	PG	(6)	Marconi Co.
Mobile, Ala.....	WMB	300, 600	{PG PR}	(7)	Marconi Co.
Mount Vernon, Ohio.	WQV	500	P	X	Bunyan J. Hyatt.
Naknek, Alaska.....	KHT				Marconi Co.

1 9 a. m. to 9 p. m. during season of navigation only.
 2 12.30 a. m. to 6 a. m.; 7.30 a. m. to 11.30 a. m.; 1 p. m. to 5.30 p. m.; 7.30 p. m. to 11.30 p. m., when lake is open to navigation.
 3 8 a. m. to noon; 2 p. m. to 5 p. m.; 8 p. m. to 9 p. m.
 4 8 a. m. to 11 a. m.; 2 p. m. to 5 p. m.; 7 p. m. to 9 p. m.
 5 8 a. m. to 11.30 a. m.; 2.30 p. m. to 6 p. m.; 7.30 p. m. to 9 p. m.
 6 1.30 a. m. to 7 a. m.; 8 a. m. to noon; 1 p. m. to 6 p. m.; 8 p. m. to 12.30 a. m.
 7 For general public service, 7.10 a. m. to 7.30 a. m.; 7.40 a. m. to 8 a. m.; 8.10 a. m. to 8.30 a. m.; 8.40 a. m. to 9 a. m.; 10.10 a. m. to 10.30 a. m.; 10.40 a. m. to 11 a. m.; 11.10 a. m. to 11.30 a. m.; 11.40 a. m. to 12 noon; 2.10 p. m. to 2.30 p. m.; 2.40 p. m. to 3 p. m.; 3.10 p. m. to 3.30 p. m.; 3.40 p. m. to 4 p. m.; 4.10 p. m. to 4.30 p. m.; 4.40 p. m. to 5 p. m.; 5.10 p. m. to 5.30 p. m.; 5.40 p. m. to 6 p. m. For limited public service, 7 a. m. to 7.10 a. m.; 7.30 a. m. to 7.40 a. m.; 8 a. m. to 8.10 a. m.; 8.30 a. m. to 8.40 a. m.; 9 a. m. to 9.10 a. m.; 10 a. m. to 10.10 a. m.; 10.30 a. m. to 10.40 a. m.; 11 a. m. to 11.10 a. m.; 11.30 a. m. to 11.40 a. m.; 12 noon to 12.10 p. m.; 2 p. m. to 2.10 p. m.; 2.30 p. m. to 2.40 p. m.; 3 p. m. to 3.10 p. m.; 3.30 p. m. to 3.40 p. m.; 4 p. m. to 4.10 p. m.; 4.30 p. m. to 4.40 p. m.; 5 p. m. to 5.10 p. m.; 5.30 p. m. to 5.40 p. m.; 6 p. m. to 6.10 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours of operation.	Station controlled by—
Naknek, Alaska.....	KMK	300, 500, 600	P	X	Naknek Packing Co.
Nantucket Shoals Lightship (off Newport, R. I.).	NLA	.....	O	4 a. m. to midnight.	U. S. Navy.
New Brunswick, N. J. <i>See</i> Belmar, N. J.					
New London, Conn..	NRZ	300 600	¹ O	X	U. S. C. G.
New London, Conn..	WLC	300, 510, 600, 1610	PG	8 p. m. to 4 a. m.	T. A. Scott Co. (Inc.).
New Orleans, La.....	NAT	.....	O	8 a. m. to 10 p. m.	U. S. Navy.
New Orleans, La.....	WHK	300, 600	PG	7 a. m. to 11 p. m.	Marconi Co.
New Orleans, La.....	WNU	300, 600, 1800 1850	{ P PR PG }	N	Tropical Radio Telegraph Co.
Newport, R. I.....	NAF	.....	O	N	U. S. Navy.
Newport, R. I.....	WCI	300, 550, 600	PG	7 p. m. to 5 a. m.	Nat. Elec. Signaling Co.
Newton, Mass.....	WLN	300, 600, 1650, 2000	P	X	Ralph C. Emery.
New York, N. Y.....	NAH	.....	O	N	U. S. Navy.
New York, N. Y.....	WHB	300, 600, 1610.	PG	N	N. Y. Herald Co.
New York, N. Y.....	WHI	300, 600	PG	N	Marconi Co.
New York, N. Y.....	WNT	300, 600	PG	(²)	Atlantic Communication Co.
Nome, Alaska.....	WVG	600, 2000	PG	9 a. m. to 9 p. m.	U. S. Army.
Norfolk, Va.....	NAM	.....	O	N	U. S. Navy.
North Head, Wash.	NPE	600	PG	N	U. S. Navy.
North Truro, Mass. <i>See</i> Cape Cod.					
Nulato, Alaska.....	WVH	2000	O	.....	U. S. Army.
Nushagak, Alaska.....	KHF	.....	.....	.....	Marconi Co.
Nushagak, Alaska.....	KMG	300, 600	P	X	North Alaska Salmon Co.
Oakland, Cal.....	KGI	300, 500, 600	P	X	Ellery W. Stone.
Olongapo, P. I.....	NPT	.....	O	N	U. S. Navy.
Passagrille, Fla.....	WRG	300, 450, 600	PG	(³)	C. A. Brown.
Peking, China.....	NPP	.....	O	N	U. S. Navy.
Pensacola, Fla.....	NAS	600	PG	N	U. S. Navy.
Petersburg, Alaska...	WVI	600	PG	9 a. m. to 9 p. m.	U. S. Army.
Philadelphia, Pa.....	WHE	300, 600, 1650	PG	9 a. m. to 5.30 p. m.	Marconi Co.
Philadelphia, Pa.....	NAI	.....	O	N	U. S. Navy.
Phoenix, Ariz.....	KHQ	.....	.....	.....	Federal Telegraph Co.
Point Arguello, Cal...	NPK	600	PG	N	U. S. Navy.
Port Arthur, Tex....	WRU	300, 600	PG	(⁴)	Marconi Co.
Portland, Me.....	NAB	.....	O	8 a. m. to 10 p. m.	U. S. Navy.
Portland, Oreg.....	KGN	300, 600, 1700	PR	X	Northwestern Electric Co.

¹ This station will accept general public service in emergencies, when open.

² 9 a. m. to 5 p. m., except Sundays and holidays.

³ 3.30 a. m. to 11.30 a. m.; 1.30 p. m. to 3 p. m.; 4.30 p. m. to 6.30 p. m.; 7.30 p. m. to 10 p. m.

⁴ 6.30 a. m. to 7.30 a. m.; 9.30 a. m. to 10.30 a. m.; 2.30 p. m. to 3.30 p. m.; 4.30 p. m. to 5.30 p. m.; 7 p. m. to 8 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Portland, Oreg.....	KDP	300, 550, 600	PR	X	Charles L. Austin.
Port Royal, S. C.....	NAV	.....	O	N	U. S. Navy.
Portsmouth, N. H.....	NAC	.....	O	N	U. S. Navy.
Puerto Princesa, Parag- agua, P. I.	WVV	600, 1200	PG	7 a. m. to 6 p. m.	Insular Govt., Phil- ippine Islds.
Puget Sound, Wash..	NPC	.....	O	N	U. S. Navy.
Rialto, Cal.....	KJR	300, 600, 1610	PR	X	Southern Californ- ia Edison Co.
River Rouge, Mich..	WDR	300, 500, 600	{PG {PR}	(1)	Marconi Co.
Roche Harbor, Wash..	KRW	.....	.....	.....	Tacoma & Roche Harbor Lime Co.
Sagaponack, N. Y....	WSK	300, 600	PG	X	Marconi Co.
Samoa. See Tutuila, Samoa.	.....	.....	.....	.....	.....
San Diego, Cal.....	KSD	.....	.....	.....	Federal Telegraph Co.
San Diego, Cal.....	NPL	600	PG	N	U. S. Navy.
San Francisco, Cal...	KFS	300, 600, 3000, 3500, 3700, 3800	PR	N	Federal Telegraph Co.
San Francisco, Cal. See Hillcrest.	.....	.....	.....	.....	.....
San Jose, Mindoro Isld., P. I.	WVY	600	PG	7 a. m. to 6.15 p. m.	Insular Govt., Phil- ippine Islds.
San Juan, P. R.....	NAU	600	PG	N	U. S. Navy.
San Luis Obispo, Cal. San Pedro, Cal. See East San Pedro.	KDN	300, 600	PG	(2)	Marconi Co.
Sault Ste. Marie, Mich.	WSI	.....	.....	.....	Marconi Co.
Savannah, Ga.....	WSV	300, 500, 600	PG	6 a. m. to midnight.	Marconi Co.
Sayville, N. Y.....	WSL	300, 600, 2740	PG	2 a. m. to 2 p. m.	.....
Scranton, Pa.....	WTP	.....	.....	.....	D., L. & W. R. R. Co.
Sea Gate, N. Y.....	WSE	300, 600	PG	N	Marconi Co.
Seattle, Wash.....	KPA	300, 600	PG	N	Marconi Co.
Seattle, Wash.....	KPE	300, 525, 600	PR	8 a. m. to 5 p. m.	City of Seattle (Harbor Dept.).
Siasconset, Mass.....	WSC	300, 600	PG	N	Marconi Co.
Sitka, Alaska.....	NPB	600	PG	N	U. S. Navy.
South San Francisco, Cal.	KSS	300, 600, 3000, 3500, 5000, 8000, 10000, 12000	PR	N	Federal Telegraph Co.
South Wellfleet, Mass.	WCC	300, 600, 2100	PG	N	Marconi Co.
St. Augustine, Fla. . .	NAP	600	PG	N	U. S. Navy.
St. George, Pribilof Islds., Alaska.	NPY	.....	O	X	U. S. Navy.
St. Paul, Pribilof Islds., Alaska.	NPQ	600	PG	N	U. S. Navy.
St. Petersburg, Fla... Tampa, Fla.....	WIX WPD	300, 450, 600 300, 600	PR PG	(3) 7 a. m. to 10 p. m.	C. C. Brown. Marconi Co.
Tatoosh, Wash.....	NPD	600	PG	N	U. S. Navy.
Teller, Alaska.....	KWT	.....	PR	.....	Max R. Hirsch- berg.

1 7 a. m. to 11.30 a. m.; 12.30 p. m. to 6 p. m.; 7 p. m. to 11 p. m.; 12 midnight to 6 p. m.

2 8.30 a. m. to noon; 1.30 p. m. to 5 p. m.; 7.30 p. m. to 10 p. m.

3 8.30 a. m. to 11.30 a. m.; 1.30 p. m. to 3 p. m.; 4.30 p. m. to 6.30 p. m.; 7.30 p. m. to 10 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours of operation.	Station controlled by—
Tolovana, Alaska....	KIZ	300, 600			Alaska Wireless Telegraph Co.
Tuckerton, N. J.....	WGG				
Tutuila, Samoa.....	NPU	600	PG		U. S. Navy.
Ugagak, Alaska. See Egegak, Alaska.					
Ugashik, Alaska.....	KMU	300, 500, 600	P	X	Red Salmon Canning Co.
Underwood, Wash...	KGO		PR		Northwestern Elec. Co.
Victor, Colo.....	KIW	600	PR	(¹)	Ajax Gold Mining Co.
Virginia Beach, Va...	WSY	300, 550, 600	PG	N	Marconi Co.
Wahiawa, T. H.....	KHK	300, 600			Mutual Telephone Co. (Ltd.).
Washington, D. C. (Navy Yard).	NAL		O	N	U. S. Navy.
Washington, D. C. (U. S. Capitol).	NZY	250, 650, 1000	O	X	Supt. U. S. Capitol Building and Grounds.
Washington, D. C. (Army Signal Corps Laboratory).	WUP		O		U. S. Army.
Washington, D. C. (Bureau of Standards).	WUQ		O		U. S. Army.
Wrangell, Alaska.....	WVJ	300, 600	PG	9 a. m. to 9 p. m.	U. S. Army.
Yerba Buena, Cal....	NPG		O	N	U. S. Navy.
Zamboanga, Mindanao Isld., P. I.	WVW	600, 1200	PG	7 a. m. to 7.30 p. m.	Insular Govt., Philippine Islds.

¹9 a. m. to 11.30 a. m.; 7.30 p. m. to 11 p. m.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[This list includes stations on Government vessels, merchant vessels, and yachts.]

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Abangarez.....	KDI	300, 600	PG	Abangarez S. S. Corp....	Tropical Radio Telegraph Co.
Abarenda.....	NOB	600	PG	Government.....	U. S. Navy.
Achilles.....	KPT	300, 600			
Acushnet.....	NRU	300	PG	Government.....	U. S. C. G.
Adeline Smith....	WHS	300, 600	PG	Inter-Ocean Transp. Co.	Marconi Co.
Admiral Dewey...	WAY	300, 600	PG	Pacific-Alaska Nav. Co..	Vessel owner.
Admiral Evans...	WAB	300, 600	PG	Alaska-Pacific S. S. Co..	Marconi Co.
Admiral Farragut.	WAF	300, 600	PG	Pacific-Alaska Nav. Co..	Vessel owner.
Admiral Schley...	WAZ	300, 600	PG	do.....	Vessel owner.
Admiral Watson...	WAW	300, 600	PG	do.....	Marconi Co.
Advance.....	KMV	300, 600	PG	Panama R. R. Co.....	Vessel owner.
Ajax.....	NBH	300, 600	PG	Government.....	U. S. Navy.
Alabama.....	WFB	300, 600	PG	Goodrich Transit Co....	Marconi Co.
Alabama.....	KUN	300, 600	PG	The Texas Co.....	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Alabama.....	NBI	300, 600	PG	Government.....	U. S. Navy.
Alameda.....	WAA	300, 600	PG	Alaska S. S. Co.....	Vessel owner.
Alamo.....	KEJ	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
Alaskan.....	WKA	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Albany.....	NBJ	300, 600	PG	Government.....	U. S. Navy.
Albatross.....	NQY	300, 600	PG	.....do.....	U. S. Navy.
Alberta.....	KZA	300, 600	PG	F. G. Bourne.....	Marconi Co.
Alert.....	NBL	300, 600	PG	Government.....	U. S. Navy.
Algonquin.....	KVG	300, 600	PG	Clyde S. S. Co.....	Marconi Co.
Algonquin.....	NRA	300, 600	PG	Government.....	U. S. C. G.
Al-Ki.....	WNK	300, 600	PG	Border Line Transp. Co.	Marconi Co.
Alliança.....	KMA	300, 450, 600	PG	Panama R. R. Co.....	Vessel owner.
Alliance.....	WRV	300, 600	PG	North Pacific S. S. Co...	Marconi Co.
Almirante.....	KLD	300, 600	PG	Almirante S. S. Corp...	Tropical Ra- dio Tele- graph Co.
Aloha.....	KYH	300, 600	PG	Arthur Curtiss James...	Marconi Co.
Alvina.....	WEY	.....	.....	Thomas F. Cole.....	.....
American.....	WKF	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Ammen.....	NBP	300, 600	PG	Government.....	U. S. Navy.
Amphitrite.....	NHG	300, 600	.....	.....do.....	.....
Ancon.....	KMS	300, 450, 500, 600	PG	Panama R. R. Co.....	Vessel owner.
Androscoggin.....	NRD	300, 600	PG	Government.....	U. S. C. G.
Annapolis.....	NBR	300, 600	PG	.....do.....	U. S. Navy.
Ann Arbor No. 3.....	WDN	300, 600	PG	Ann Arbor R. R. Co.....	Marconi Co.
Ann Arbor No. 4.....	WDO	300, 600	PG	.....do.....	Marconi Co.
Ann Arbor No. 5.....	WDP	300, 600	PG	.....do.....	Marconi Co.
Antilla.....	KWD	300, 600	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Antilles.....	KKA	300, 600	PG	Southern Pacific Co.....	Marconi Co.
Apache.....	KVA	300, 600	PG	Clyde S. S. Co.....	Marconi Co.
Apache.....	NRP	300, 600	PG	Government.....	U. S. C. G.
Arapahoe.....	KVB	300, 600	PG	Clyde S. S. Co.....	Marconi Co.
Ardmore.....	KIA	300, 600	.....	Standard Oil Co. of N. J.	.....
Arethusa.....	NBU	600	PG	Government.....	U. S. Navy.
Argyll.....	WTB	.....	.....	Union S. S. Co. (Union Oil Co.).	.....
Arizona.....	WFG	300, 600	PG	Goodrich Transit Co....	Marconi Co.
Arizonan.....	WKB	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Arkansas.....	NBV	300, 600	PG	Government.....	U. S. Navy.
Aroline.....	WRJ	300, 600	PG	Aroline S. S. Co.....	Marconi Co.
Ashtabula.....	WEZ	300, 600	PG	Pennsylvania & Ontario Nav. Co.	Marconi Co.
Astral.....	KSA	300, 600	PG	Standard Transportation Co.	Marconi Co.
Asuncion.....	WTX	300, 600	PG	Standard Oil Co. of Cal..	Marconi Co.
Atalanta.....	KYA	.....	.....	George J. Gould.....	.....
Atenas.....	KDK	300, 600	PG	Atenas S. S. Corp.....	Tropical Ra- dio Tele- graph Co.
Atlanta.....	KGR	300, 600	.....	Cuba Improvement & S. S. Co.	.....
Atlantic.....	KIK	300, 600	PG	New York Interoccean & Coastwise S. S. Co.	Marconi Co.
Atlas.....	WTT	300, 600	PG	Standard Oil Co. of Cal..	Marconi Co.
Aylwin.....	NIH	300, 600	PG	Government.....	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ico.	Owner of vessel (line).	Station controlled by—
Aztec.....	WWQ	300, 600	PG	Pacific Mail S. S. Co....	Marconi Co.
Bache.....	NLK	300, 400, 600	O	Government.....	U. S. Dept. of Commerce.
Bailey.....	NCF	300, 600	PG	do.....	U. S. Navy.
Bainbridge.....	NIA	300, 600	PG	do.....	U. S. Navy.
Balboa.....	WHU	300, 600	PG	American-Mexican S. S. & Trading Co. Government.....	Marconi Co.
Balch.....	NII	300, 600	PG	do.....	U. S. Navy.
Baltimore.....	NCH	300, 600	PG	do.....	U. S. Navy.
Bantu.....	KLM	300, 600	PG	U. S. Steel Products Co.	Marconi Co.
Baton Rouge.....	KSG	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Bay State.....	KRE	300, 600	PG	Eastern S. S. Corp.....	Marconi Co.
Bayway.....	KSR	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Beale.....	NCL	300, 600	PG	Government.....	U. S. Navy.
Bear.....	NRB	300, 600	PG	do.....	U. S. C. G. }
Bear.....	WWD	300, 600	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
Beaver.....	WWB	300, 600	PG	do.....	Marconi Co.
Belfast.....	KRD	300, 600	PG	Eastern S. S. Corp.....	Marconi Co.
Benham.....	NIJ	300, 600	PG	Government.....	U. S. Navy.
Berkshire.....	KQB	300, 600	PG	Merchants & Miners Transp. Co.	
Berlin.....	WRB	300, 600	PG	Alaska-Portland Pack- ers' Assn.	Marconi Co.
Beverly.....	KND	300, 600	PG	Colonial Nav. Co.....	Nat. Elec. Sig- naling Co.
Birmingham.....	NCN	300, 600	PG	Government.....	U. S. Navy.
Boston.....	KXA	300, 450, 500, 550, 600	PG	New England S. S. Co....	Nat. Elec. Sig- naling Co.
Brabant.....	KUU	300, 600	PG	The Texas Co.....	Marconi Co.
Bradford.....	KNG	300, 600	PG	Standard Oil Co. of N. J.	
Brazos.....	KEZ	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
Breakwater.....	WBK	300, 600	PG	Southern Pacific Co.....	Marconi Co.
Brilliant.....	KTI	300, 600	PG	Standard Transporta- tion Co.	Marconi Co.
Brindilla.....	KTZ	300, 600	PG	Standard Oil Co. of N. J.	
Brockton.....	KNH	300, 600	PG	Colonial Nav. Co.....	Nat. Elec. Sig- naling Co.
Brooklyn.....	NFA	300, 600	PG	Government.....	U. S. Navy.
Brunswick.....	KOS	300, 600	PG	Gulf & Southern S. S. Co.	Marconi Co.
Brutus.....	NNA	300, 600	PG	Government.....	U. S. Navy.
Buenaventura.....	KWA	300, 600	PG	U. S. Steel Products Co.	Marconi Co.
Buffalo.....	NCU	300, 600	PG	Government.....	U. S. Navy.
Buford.....	WXA	600	PG	do.....	U. S. Army.
Bunker Hill.....	KJB	300, 600	PG	Eastern S. S. Corp.....	Marconi Co.
Burnside.....	WXR	600	O	Government.....	U. S. Army.
Burrows.....	NCV	300, 600	PG	do.....	U. S. Navy.
Cabrillo.....	WBV	300, 500, 600	PG	Wilmington Transp. Co.	Marconi Co.
C. A. Canfield.....	WIH	300, 600	PG	Petroleum Transp. Co....	Marconi Co.
Cacique.....	WBE	300, 600	PG	W. R. Grace & Co.....	
Caddo.....	KSK	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Caesar.....	NCY	300, 600	PG	Government.....	U. S. Navy.
Calamares.....	KLC	300, 600	PG	Calamares S. S. Corp....	Tropical Ra- dio Tele- graph Co.
California.....	KYQ	300, 600	PG	Mrs. Clara B. Stocker... Government.....	U. S. Navy.
California.....	NCZ	300, 600	PG	do.....	Marconi Co.
California.....	WOR	300, 600	PG	John A. Hooper.....	Marconi Co.
Californian.....	WKC	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Caloria.....	KSP	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Calvin Austin.....	KRN	300, 600	PG	Eastern S. S. Corp.....	Marconi Co.
Camaguey.....	KWI	300, 600	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Camden.....	KRC	300, 600	PG	Eastern S. S. Corp.....	Marconi Co.
Camino.....	WQC	300, 600	PG	Western Steam Nav. Co.	Marconi Co.
Cape Cod.....	KPW			George R. West.....	
Captain A. F. Lucas.	WTV	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
Captain A. M. Wetherill.	WYT	300	O	Government.....	U. S. Army.
Captain Barrett.....	WYP	300	O	do.....	U. S. Army.
Captain Chas. W. Rowell.	WYI	300	O	do.....	U. S. Army.
Captain James Fornance.	WYM	300	O	do.....	U. S. Army.
Captain T. M. Morrison.	WYZ	1200	O	do.....	U. S. Army.
Caracas.....	KDB	300, 600	PG	Atlantic & Carribean Steam Nav. Co. (Red D Line).	Marconi Co.
Carlos.....	WNC	300, 600	PG	Olson & Mahony S. S. Co.	
Carolina.....	WFE	300, 600	PG	Goodrich Transit Co....	Marconi Co.
Carolina.....	KGB	300, 600	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Carrillo.....	KDE	300, 600	PG	Carrillo S. S. Corp.....	Tropical Radio Telegraph Co.
Cartago.....	KDD	300, 600	PG	Cartago S. S. Corp.....	Tropical Radio Telegraph Co.
Cassandra.....	KYE			John J. Doyle.....	
Cassin.....	NIK	300, 600	PG	Government.....	U. S. Navy.
Castine.....	NDA	300, 600	PG	do.....	U. S. Navy.
Celilo.....	WMF	300, 600	PG	Charles R. McCormick & Co. (Inc.).	Marconi Co.
Celtic.....	NDB	300, 600	PG	Government.....	U. S. Navy.
Centralia.....	WSN	300, 600	PG	Centralia Co.....	Marconi Co.
Chalmette.....	KKC	300, 600		Southern Pacific Co.....	
Charles E. Harwood.	WID	300, 600	PG	Petroleum Transp. Co....	Marconi Co.
Charleston.....	NFE	300, 600	PG	Government.....	U. S. Navy.
Charlton Hall.....	KLU	300, 600	PG	U. S. Steel Products Co.	Marconi Co.
Chattanooga.....	NGI	300, 600	PG	Government.....	U. S. Navy.
Cherokee.....	KVK	300, 600	PG	Clyde S. S. Co.....	Marconi Co.
Chester.....	NDG	600	PG	Government.....	U. S. Navy.
Chester W. Chapin	KXQ	300, 450, 500, 550, 600	PG	New England S. S. Co....	Nat. Elec. Sig- naling Co.
Cheyenne.....	NDH	300, 600	PG	Government.....	U. S. Navy.
Chicago.....	WAC	300, 600	PG	Booth Fisheries Co.....	Vessel owner.
Chicago.....	WFI	300, 600	PG	Goodrich Transit Co....	Marconi Co.
Chicago.....	NDI	300, 600	PG	Government.....	U. S. Navy.
China.....	WWA	300, 600	PG	Pacific Mail S. S. Co....	Marconi Co.
Christopher Columbus.	WFJ	300, 600	PG	Goodrich Transit Co....	Marconi Co.
Cincinnati.....	NDL	300, 600	PG	Government.....	U. S. Navy.
City of Alpena II.	WEH	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Atlanta....	KFB	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
City of Augusta...	KFJ	300, 600	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Bangor....	KRH	300, 600	PG	Eastern S. S. Co.....	Marconi Co.
City of Benton Harbor.	WDV	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Buffalo....	WFQ	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Cleveland III.	WEA	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Columbus.	KFA	300, 600	PG	Ocean S. S. Co. (Savannah Line.)	Marconi Co.
City of Detroit II.	WEC	300, 600	PG	Detroit & Cleveland Nav. Co.	
City of Detroit III.	WEF	300, 600	PG	.....do.....	Marconi Co.
City of Erie.....	WFP	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Everett....	KTQ	300, 600	PG	Standard Oil Co. of N. Y.	Vessel owner.
City of Grand Rapids.	WDS	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Lowell....	KXB	300, 450, 500, 550, 600	PG	New England S. S. Co..	Nat. Elec. Signaling Co.
City of Mackinac II.	WEB	300, 600	PG	Detroit & Cleveland Nav. Co.	
City of Macon....	KFC	300, 600	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Memphis..	KFD	300, 600	PG	.....do.....	Marconi Co.
City of Montgomery.	KFY	300, 600	PG	.....do.....	Marconi Co.
City of Para.....	WWF	300, 600	PG	Pacific Mail S. S. Co....	Marconi Co.
City of Puebla....	WGQ	300, 600	PG	Pacific Coast Co.....	Marconi Co.
City of Rockland...	KRI	300, 600	PG	Eastern S. S. Corp.....	Marconi Co.
City of St. Ignace.	WEG	300, 600	PG	Detroit & Cleveland Nav. Co.	
City of St. Joseph.	WDT	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of St. Louis..	KFX	300, 600	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Savannah..	KFK	300, 600	PG	.....do.....	Marconi Co.
City of Seattle....	WGA	300, 600	PG	Pacific Coast Co.....	Marconi Co.
City of South Haven.	WDI	300, 600	PG	Chicago & South Haven S. S. Co.	Marconi Co.
City of Sydney....	WWG	300, 600	PG	Pacific Mail S. S. Co....	
City of Taunton...	KXL	300, 450, 500, 550, 600	PG	New England S. S. Co..	Nat. Elec. Signaling Co.
City of Topeka....	WGY	300, 600	PG	Pacific Coast Co.....	Marconi Co.
Cleveland.....	NDM	300, 600	PG	Government.....	U. S. Navy.
Coalinga.....	WOT	300, 600	PG	Union S. S. Co. (Union Oil Co.).	Federal Telegraph Co.
Coamo.....	KGA	300, 600	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Col. E. L. Drake..	WTS	300, 600	PG	Standard Oil Co.....	Marconi Co.
Col. Geo. Armistead.	WYG	600	O	Government.....	U. S. Army.
Colon.....	KMX	300, 450, 600	PG	Panama R. R. Co.....	Vessel owner.
Colon.....	WHO	300, 600	PG	American-Mexican S. S. & Trading Co.	Marconi Co.
Colorado.....	KEA	300, 600	PG	Mallory S. S. Co.....	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Colorado.....	NDN	300, 600	PG	Government.....	U. S. Navy.
Columbia.....	KRO			Chesapeake S. S. Co....	
Columbia.....	KYM	300, 550	P	J. Harvey Ladew.....	Vessel owner.
Columbia.....	NGA	300, 600	PG	Government.....	U. S. Navy.
Columbia.....	WHC	300, 600	PG	J. H. Wilson.....	Marconi Co.
Columbian.....	WKS	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Columbine.....	NLL	600, 750, 1000	O	Government.....	U. S. Dept. of Commerce.
Colusa.....	WIN	300, 600	PG	W. R. Grace & Co.....	Marconi Co.
Comal.....	KEM	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
Comanche.....	KVC	300, 600	PG	Clyde S. S. Co.....	Marconi Co.
Comet.....	KTJ	300, 600	PG	Standard Transportation Co.	Marconi Co.
Commonwealth...	KXC	300, 550, 600	PG	New England S. S. Co..	Nat. Elec. Signaling Co.
Communipaw.....	KOE	300, 600		Standard Oil Co. of N. J.	
Comus.....	KKD	300, 600	PG	Southern Pacific Co....	Marconi Co.
Concho.....	KEC	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
Concord.....	KNC	300, 450, 500, 550, 600	PG	Colonial Nav. Co.....	Nat. Elec. Signaling Co.
Congress.....	WGT	300, 600	PG	Pacific Coast Co.....	Marconi Co.
Connecticut.....	NDQ	300, 600	PG	Government.....	U. S. Navy.
Coppename.....	KDF	300, 600	PG	Coppename S. S. Corp..	Tropical Radio Telegraph Co.
Cordova.....	WAR	300, 600		Alaska S. S. Co.....	
Corning.....	KIH	300, 600		Standard Oil Co. of N.J..	
Coronado.....	WSO	300, 600	PG	Coronado Co.....	Marconi Co.
Corsair.....	KYC			J. P. Morgan estate.....	
Corwin.....	WNN	300, 600	P	The Corwin Co.....	Vessel owner.
Coeta Rica.....	WQI	300, 600	PG	Bristol Bay Packing Co..	Vessel owner.
Craster Hall.....	KLK	300, 600	PG	U. S. Steel Products Co..	Marconi Co.
Creole.....	KKR	300, 600	PG	Southern Pacific Co....	Marconi Co.
Cretan.....	KQC	300, 600	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Cristobal.....	KMD	300, 450, 600	PG	Panama R. R. Co.....	Vessel owner.
Crofton Hall.....	KLR	300, 600	PG	U. S. Steel Products Co..	Marconi Co.
Crook.....	WXB	600	PG	Government.....	U. S. Army.
Culgoa.....	NDU	300, 600	PG	do.....	U. S. Navy.
Cummings.....	NIL	300, 600	PG	do.....	U. S. Navy.
Currier.....	KNU	300, 600	PG	Cuba Distilling Co.....	Marconi Co.
Cushing.....	KSC	300, 600		Standard Oil Co. of N. J.	
Cushing.....	NIM	300, 600	PG	Government.....	U. S. Navy.
Cyclops.....	NDY	300, 600	PG	do.....	U. S. Navy.
Cypress.....	NLM	600, 750, 1000	O	do.....	U. S. Dept. of Commerce.
Cyprus.....	KYD	300, 600	PG	Daniel C. Jackling....	Marconi Co.
Dacia.....	KGD	300, 600	PG	Edward N. Breitung....	Marconi Co.
Dakotan.....	WKD	300, 600	PG	American-Hawaiian S.S. Co.	Marconi Co.
Dayton.....	KNP	300, 600		Standard Oil Co. of N. J.	
Decatur.....	NJC	300, 600	PG	Government.....	U. S. Navy.
Delaware.....	NEK	300, 600	PG	do.....	U. S. Navy.
Delaware Sun.....	KTW	300, 600	PG	Sun Co.....	Marconi Co.
Denver.....	NEM	300, 600	PG	Government.....	Marconi Co.
Des Moines.....	NEN	300, 600	PG	do.....	U. S. Navy.
De Soto.....	KNI	300, 600		Standard Oil Co. of N. J.	
Despatch.....	WOA	300, 600	PG	Border Line Transp. Co..	Marconi Co.
Diamond Head.....	WNL			Tyee Co.....	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Dix.....	WXC	600	PG	Government.....	U. S. Army.
Dixie.....	NEP	300, 600	PG	do.....	U. S. Navy.
Dolphin.....	WAU	300, 600	PG	Alaska S. S. Co.....	Vessel owner.
Dolphin.....	NEQ	300, 600	PG	Government.....	U. S. Navy.
Dora.....	WAH	300, 600	PG	Alaska S. S. Co.....	
Dorchester.....	KQD	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Dorothy Bradford.	KNA	300, 600	PR	Cape Cod S. S. Co., trustees.	Vessel owner.
Downes.....	NIN	300, 600	PG	Government.....	U. S. Navy.
Drayton.....	NET	300, 600	PG	do.....	U. S. Navy.
Dubuque.....	NEU	300, 600	PG	do.....	
Duncan.....	NIR	300, 600	PG	do.....	U. S. Navy.
E-1.....	NXS	300, 600	PG	do.....	U. S. Navy.
E-2.....	NXT	300, 600	PG	do.....	U. S. Navy.
Eagle.....	NFC	300, 600	PG	do.....	U. S. Navy.
Eastern States.....	WEE	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
Eastland.....	WFN	300, 600	PG	St. Joseph-Chicago S. S. Co.	Marconi Co.
Edith.....	WAE	300, 600	PG	Alaska S. S. Co.....	Vessel owner.
Edward L. Do- heny.	WIE	300, 600	PG	Petroleum Transp. Co....	Marconi Co.
El Alba.....	KKL	300, 600	PG	Southern Pacific Co.....	Marconi Co.
Elcano.....	NFD	300, 600	PG	Government.....	U. S. Navy.
El Cid.....	KKT	300, 600	PG	Southern Pacific Co.....	Marconi Co.
El Dia.....	KKY	300, 600	PG	do.....	Marconi Co.
Elmer A. Keeler..	KVU			Elmer A. Keeler.....	
El Mundo.....	KKU	300, 600	PG	Southern Pacific Co.....	Marconi Co.
El Norte.....	KKN	300, 600	PG	do.....	Marconi Co.
El Occidente.....	KKX	300, 600	PG	do.....	Marconi Co.
El Oriente.....	KKV	300, 600	PG	do.....	Marconi Co.
El Rto.....	KKZ	300, 600	PG	do.....	Marconi Co.
El Segundo.....	WTQ	300, 600	PG	Standard Oil Co. of Cal..	Marconi Co.
El Siglo.....	KKS	300, 600	PG	Southern Pacific Co.....	Marconi Co.
El Sol.....	KKB	300, 600	PG	do.....	Marconi Co.
El Sud.....	KKQ	300, 600	PG	do.....	Marconi Co.
El Valle.....	KKW	300, 600	PG	do.....	Marconi Co.
Emeline.....	KZD			Robert Graves.....	
Enterprise.....	WMN	300, 600	PG	Matson Nav. Co.....	Marconi Co.
Eocene.....	KTM	300, 600	PG	Standard Oil Co. of N. Y.	Vessel owner.
Erskine M. Phelps.	WTA			William D. Sewall (Union Oil Co.).	Marconi Co.
E. R. Sterling.....	WIS	300, 450, 600	P	Sterling Ship Co.....	Vessel owner.
Esparta.....	KDL	300, 600			Tropical Ra- dio Tele- graph Co.
Esperanza.....	KWZ	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Essex.....	KQE	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Evangeline.....	KII	300, 600	PG	Alonzo W. Perry.....	Marconi Co.
Excelsior.....	KKO	300, 600	PG	Southern Pacific Co.....	Marconi Co.
Expansion.....	WOH	300, 500, 600	P	North Alaska Salmon Co.	Vessel owner.
Explorer.....	NLI	300, 600	O	Government.....	U. S. Dept. of Commerce.
F-1.....	NXU	300, 600	PG	do.....	U. S. Navy.
F-2.....	NXV	300, 600	PG	do.....	U. S. Navy.
F-3.....	NXW	300, 600	PG	do.....	U. S. Navy.
F-4.....	NXX	300, 600	PG	do.....	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
F. A. Kilburn....	WRW	300, 600	PG	North Pacific S. S. Co..	Marconi Co.
Fanning.....	NFM	300, 600	PG	Government.....	U. S. Navy.
Farragut.....	NVS	300, 600	PG	do.....	U. S. Navy.
Favorite.....	WCF	300, 600	PG	Great Lakes Towing Co..	Marconi Co.
Finland.....	KSF	300, 600	PG	International Mercantile Marine Co. (Panama- Pacific Line).	Marconi Co.
Florence.....	KYF			Alphonse H. Alker.....	
Florence Lucken- bach.	WNM	300, 600	PG	Edgar F. Luckenbach..	Marconi Co.
Florida.....	KUS	300, 600	PG	The Texas Co.....	Marconi Co.
Florida.....	NFR	300, 600	PG	Government.....	U. S. Navy.
Flusser.....	NFS	300, 600	PG	do.....	U. S. Navy.
Francis Hanify....	KRA	300, 600	PG	G. R. Hanify Co.....	Marconi Co.
Frank H. Buck....	WTO	300, 600	PG	Associated Oil Co.....	Marconi Co.
Frieda.....	KFF	300, 600	PG	Union Sulphur Co.....	Marconi Co.
G-1.....	NXY	300, 600	PG	Government.....	U. S. Navy.
G-2.....	NXZ	300, 600	PG	do.....	U. S. Navy.
G-3.....	NYA	300, 600	PG	do.....	U. S. Navy.
G-4.....	NYB	300, 600	PG	do.....	U. S. Navy.
Galveston.....	NGD	300, 600	PG	do.....	U. S. Navy.
Gargoyle.....	KRK	300, 600		Vacuum Oil Co.....	
General A. M. Randol.	WYJ	300	O	Government.....	U. S. Army.
General E. O. C. Ord.	WYF	400, 600	O	do.....	U. S. Army.
General George H. Weeks.	WZT	1200	O	do.....	U. S. Army.
General G. W. Getty.	WYS	1200	O	do.....	U. S. Army.
General Harvey Brown.	WYK	300	O	do.....	U. S. Army.
General Henry J. Hunt.	WYD	400	O	do.....	U. S. Army.
General Henry Knox.	WYE	400	O	do.....	U. S. Army.
General J. M. Brannan.	WZV	1200	O	do.....	U. S. Army.
General Nathan- ael Greene.	WZR	1200	O	do.....	U. S. Army.
General R. B. Ayrea.	WYL	300	O	do.....	U. S. Army.
General R. H. Jackson.	WYW	400	O	do.....	U. S. Army.
General Richard Arnold.	WYY	1200	O	do.....	U. S. Army.
General R. N. Batchelder.	WZW	1200	O	do.....	U. S. Army.
General Robert Anderson.	WYH	300	O	do.....	U. S. Army.
General Robert Swartout.	WYU	400	O	do.....	U. S. Army.
General Royal T. Frank.	WYA	300	O	do.....	U. S. Army.
General S. B. Holabird.	WYV	400	O	do.....	U. S. Army.
General Timothy Pickering.	WZQ	1200	O	do.....	U. S. Army.
General S. N. Mills.	WYB	300, 600	O	Government.....	U. S. Army.
Geo. W. Elder....	WRT	300, 600	PG	North Pacific S. S. Co...	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Georgia.....	WFA	300, 600	PG	Goodrich Transit Co.	Marconi Co.
Georgia.....	NGF	300, 600	PG	Government.....	U. S. Navy.
Georgian.....	WKG	300, 600	PG	American-Hawaiian S.S. Co.	Marconi Co.
Georgiana.....	KJE	300, 600	PG	Walker, Armstrong & Co. Government.....	Marconi Co.
Glacier.....	NGH	600	PG	Government.....	U. S. Navy.
Glenpool.....	KOH	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Gloucester.....	KQG	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Gloucester.....	NSL	300, 600	PG	Government.....	U. S. Navy.
Goldsborough.....	NGJ	300, 600	PG	do.....	Vessel owner.
Goliah.....	WPG	300, 600	PG	Puget Sound Tug Boat Co.	U. S. Navy.
Governor.....	WGR	300, 600	PG	Pacific Coast Co.....	Marconi Co.
Governor Cobb.....	KRB	300, 600	PG	Eastern S. S. Corp.....	Marconi Co.
Governor Dingley.....	KRV	300, 600	PG	do.....	Marconi Co.
Grace Dollar.....	WSF	300, 600	PG	Grace Dollar S. S. Co....	Marconi Co.
Great Northern.....	WIR	300, 600	PG	Great Northern Pacific S. S. Co.	Marconi Co.
Grecian.....	KQR	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Gresham.....	NRG	300, 600	PG	Government.....	U. S. C. G.
Guantanamo.....	KWN	300, 600	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Guardian.....	WGZ	300, 600	PG	Central & South American Telegraph Co.	Vessel owner.
Gulfcoast.....	KUE	300, 600	PG	Gulf Refining Co.....	Marconi Co.
Gulfight.....	KUA	300, 600	PG	do.....	Marconi Co.
Gulfoil.....	KTG	300, 600	PG	do.....	Marconi Co.
Gulfstream.....	KTB	300, 600	PG	do.....	Marconi Co.
H-1.....	NYC	300, 600	PG	Government.....	U. S. Navy.
H-2.....	NYD	300, 600	PG	do.....	U. S. Navy.
H-3.....	NYE	300, 600	PG	do.....	U. S. Navy.
Hamilton.....	KOA	300, 600	PG	Old Dominion S. S. Co..	Marconi Co.
Hancock.....	NHI	300, 600	PG	Government.....	U. S. Navy.
Hannibal.....	NGU	300, 600	PG	do.....	U. S. Navy.
Harvard.....	WRH	300, 600	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	Federal Telegraph Co.
Harvester. (See The Harvester.					
Hattie Luckenbach.	WNF	300, 600	PG	Edgar F. Luckenbach..	Marconi Co.
Havana.....	KWH	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Hawaiian.....	WKU	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Hector.....	NGX	300, 600	PG	Government.....	U. S. Navy.
Helena.....	NGY	300, 600	PG	do.....	U. S. Navy.
Henley.....	NHA	300, 600	PG	do.....	U. S. Navy.
Henry M. Flagler.	KOX	300, 600	PG	Florida East Coast Ry..	Marconi Co.
Henry T. Scott.	WRA	300, 600	PG	California S. S. Co.....	Marconi Co.
Henry Wilson.....	WZS	1200	O	Government.....	U. S. Army.
Herbert G. Wylie.	WIF	300, 600	PG	Petroleum Transport Co.	Marconi Co.
Heredia.....	KDH	300, 600	PG	Heredia S. S. Corp.....	Tropical Radio Telegraph Co.
Herman Frasch...	KFH	300, 600	PG	Union Sulphur Co.....	Atlantic Communication Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Hermosa.....	WBP	300, 500, 600	PR	Wilmington Transp. Co..	
Hilonian.....	WMM	300, 600	PG	Matson Nav. Co.	Marconi Co.
Holland.....	WDW	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
Honolulan.....	WKH	300, 600	PG	American-Hawaiian S.S. Co.	Marconi Co.
Hopkins.....	NHC	300, 600	PG	Government.	U. S. Navy.
Howard.....	KQH	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Howick Hall.....	KLT	300, 600	PG	U. S. Steel Products Co..	Marconi Co.
Hull.....	NHE	300, 600	PG	Government.	U. S. Navy.
Humboldt.....	WHX	300, 600	PG	Humboldt S. S. Co.	Marconi Co.
Huron.....	KVH	300, 600	PG	Clyde S. S. Co.	Marconi Co.
Hyades.....	WMK	300, 600	PG	Matson Nav. Co.	Marconi Co.
Iaqua.....	WLI	300, 600	PG	John A. McGregor.....	
I. D. Fletcher.....	KFI	300, 600	PG	Coast Transit Co.....	Marconi Co.
Illinois.....	WCZ	300, 600	PG	Northern Michigan Transp. Co.	Marconi Co.
Illinois.....	KTH	300, 600	PG	Texas S. S. Co.	Marconi Co.
Illinois.....	NHO	300, 600	PG	Government.	U. S. Navy.
Indian.....	KQI	300, 600	PG	Merchants & Miners Transp. Co.	
Indiana.....	WFC	300, 600	PG	Goodrich Transit Co....	Marconi Co.
Indiana.....	NHQ	300, 600	PG	Government.	U. S. Navy.
Iowa.....	NHT	600	PG	.....do.....	U. S. Navy.
Iowan.....	WKJ	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Iris.....	NHU	300, 600	PG	Government.	U. S. Navy.
Iroquois.....	KVF	300, 600	PG	Clyde S. S. Co.	Marconi Co.
Iroquois.....	NHV	300, 600	PG	Government.	U. S. Navy.
Isla de Luzon.....	NQJ	300, 600	PG	.....do.....	
Isthmian.....	WKI	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Itasca.....	NRI	300, 600	PG	Government.	U. S. C. G.
J. A. Chanslor.....	WTK	300, 600	PG	Associated Oil Co.	Marconi Co.
Jamestown.....	KOC	300, 600	PG	Old Dominion S. S. Co..	Marconi Co.
J. A. Moffett.....	WRE	300, 600	PG	Standard Oil Co. of Cal..	Marconi Co.
Jarvis.....	NIB	300, 600	PG	Government.	U. S. Navy.
Jason.....	NNB	300, 600	PG	.....do.....	U. S. Navy.
J. B. Stetson.....	WRC	300, 600	PG	Hicks-Hauptman Nav. Co.	
Jefferson.....	KOD	300, 600	PG	Old Dominion S. S. Co..	Marconi Co.
Jefferson.....	WAJ	300, 600	PG	Alaska S. S. Co.	Vessel owner.
Jenkins.....	NID	300, 600	PG	Government.	U. S. Navy.
Jim Butler.....	WIL	300, 600	PG	Olson and Mahony.....	Marconi Co.
J. L. Luckenbach.....	KGT	300, 600	PG	Edgar F. Luckenbach...	Marconi Co.
J. M. Guffey.....	KTF	300, 600	PG	Gulf Refining Co.	Marconi Co.
John A. Hooper...	WSJ	300, 600	PG	Sudden & Christensen (Inc.).	Marconi Co.
John D. Archbold.	KTK	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
John D. Rockefeller.	KTO	300, 600	PG	.....do.....	Marconi Co.
Joseph Henry.....	WXT	600	O	Government.	U. S. Army.
Jouett.....	NIE	300, 600	PG	.....do.....	U. S. Navy.
Juniata.....	KQJ	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Juniata.....	WCB	300, 600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Jupiter.....	NNC	300, 600	PG	Government.	U. S. Navy.
Justin.....	NNJ	300, 600	PG	.....do.....	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
K-1.....	NYF	300, 600	PG	Government.....	U. S. Navy.
K-2.....	NYG	300, 600	PG	do.....	U. S. Navy.
K-3.....	NYH	300, 600	PG	do.....	U. S. Navy.
K-4.....	NYI	300, 600	PG	do.....	U. S. Navy.
K-5.....	NYJ	300, 600	PG	do.....	U. S. Navy.
K-6.....	NYK	300, 600	PG	do.....	U. S. Navy.
K-7.....	NYL	300, 600	PG	do.....	U. S. Navy.
K-8.....	NYM	300, 600	PG	do.....	U. S. Navy.
Kansan.....	WKK	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Kansas.....	NIO	300, 600	PG	Government.....	U. S. Navy.
Karina.....	KYR			Theodore P. Burgess.....	
Kearsarge.....	NIP	300, 600	PG	Government.....	U. S. Navy.
Kentra.....	KLN	300, 600	PG	U. S. Steel Products Co.	Marconi Co.
Kentuckian.....	WKE	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Kentucky.....	NIQ	300, 600	PG	Government.....	U. S. Navy.
Kershaw.....	KQK	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Kilpatrick.....	WXD	600	PG	Government.....	U. S. Army.
Kismet.....	KYK			Bob Myers Babcock.....	
Klamath.....	WSX	300, 600	PG	Klamath S. S. Co.....	Marconi Co.
Korea.....	WWK	300, 600	PG	Pacific Mail S. S. Co.....	Marconi Co.
Kroonland.....	KSH	300, 600	PG	International Mercantile Marine Co. (Panama-Pacific Line).	Marconi Co.
Kukui.....	NLF	300, 600	O	Government.....	U. S. Dept. of Commerce.
Kvichak.....	WNS	300, 600	PG	Alaska Packers' Assn... Vessel owner.	
Lakeland.....	WDL	300, 600	PG	Port Huron & Duluth S. S. Co.	Marconi Co.
Lampasas.....	KEP	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
Lamson.....	NIW	300, 600	PG	Government.....	U. S. Navy.
Lansing.....	WTC	300, 600	PG	Union S. S. Co. (Union Oil Co.).	
Larimer.....	KTA	300, 600	PG	Gulf Refining Co.....	Marconi Co.
Latouche.....	WAI	300, 600	PG	Alaska S. S. Co.....	Vessel owner.
Lawrence.....	NIY	300, 600	PG	Government.....	U. S. Navy.
Lebanon.....	NIZ	300, 600	PG	do.....	U. S. Navy.
Lenape.....	KVL	300, 600	PG	Clyde S. S. Co.....	Marconi Co.
Leonidas.....	NNH	300, 600	PG	Government.....	U. S. Navy.
Lewis Luckenbach	WNH			Edgar F. Luckenbach (California & Atlantic S. S. Co.).	Marconi Co.
Lexington.....	KNB	300, 450, 500, 550, 600.	PG	Colonial Nav. Co.....	Nat. Elec. Signaling Co.
Lexington.....	KQL	300, 600	PG	Merchants & Miners Transp. Co.	
Lieut. A. H. Cushing.	WYX	400	O	Government.....	U. S. Army.
Lieut. Geo. M. Harris.	WYR	400	O	do.....	U. S. Army.
Ligonier.....	KTD	300, 600	PG	Gulf Refining Co.....	Marconi Co.
Liscum.....	WXE	600	PG	Government.....	U. S. Army.
Llama.....	KSI	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Logan.....	WXF	600	PG	Government.....	U. S. Army.
Louisiana.....	KUL	300, 600	PG	The Texas Co.....	Marconi Co.
Louisiana.....	NJB	300, 600	PG	Government.....	U. S. Navy.
Lurline.....	WML	300, 600	PG	Matson Nav. Co.....	Marconi Co.
Lydonia.....	WDY	300, 600	PG	W. A. Lydon.....	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Lyman Stewart...	WTL	300, 600	PG	Union Oil Co. of Cal. . . .	Federal Tele- graph Co.
Lysistrata.....	KYL	300, 600	PG	James G. Bennett.....	Vessel owner.
Macdonough.....	NJH	300, 600	PG	Government.....	U. S. Navy.
Machias.....	NQL	300, 600	PG	do.....	U. S. Navy.
Madison.....	KOG	300, 600	PG	Old Dominion S. S. Co..	Marconi Co.
Maine.....	KME	.....	.....	Charles Clark & Co.....	Marconi Co.
Maine.....	KXD	300, 450, 500, 550, 600	PG	New England S. S. Co...	Nat. Elec. Sig- naling Co.
Maine.....	NJL	300, 600	PG	Government.....	U. S. Navy.
Major Albert G. Forse.	WYQ	1200	O	do.....	U. S. Army.
Major Evan Thomas.	WYO	300	O	do.....	U. S. Army.
Major Samuel Ringgold.	WYC	300	O	do.....	U. S. Army.
Manchuria.....	WWE	300, 600	PG	Pacific Mail S. S. Co....	Marconi Co.
Manitou.....	WFW	300, 600	PG	Northern Michigan Transp. Co.	Marconi Co.
Manning.....	NRN	300, 600	PG	Government.....	U. S. C. G.
Manoa.....	WMQ	300, 600	PG	Matson Nav. Co.....	Marconi Co.
Maracaibo.....	KDM	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.
Maracas.....	KMR	300, 600	PG	New York Transatlantic S. S. Co. (Inc.).	Marconi Co.
Marblehead.....	NGK	300, 600	.....	Government.....	.....
Marietta.....	NJQ	300, 600	PG	do.....	U. S. Navy.
Mariposa.....	WHP	300, 600	PG	Alaska S. S. Co.....	Vessel owner.
Marowijne.....	KDR	300, 600	PG	Marowijne S. S. Corp..	Tropical Ra- dio Tele- graph Co.
Marquette & Bes- semer No. 1.	WEW	300, 600	PG	Marquette & Bessemer Dock & Nav. Co.	Marconi Co.
Marquette & Bes- semer No. 2.	WEX	300, 600	PG	do.....	Marconi Co.
Mars.....	NJR	300, 600	PG	Government.....	U. S. Navy.
Maryland.....	NJS	300, 600	PG	do.....	U. S. Navy.
Mascotte.....	KOW	.....	.....	Peninsular & Occidental S. S. Co.	.....
Massachusetts.....	KJM	300, 600	PG	Eastern S. S. Corp.....	Marconi Co.
Massachusetts.....	NJT	300, 600	PG	Government.....	U. S. Navy.
Matinicock.....	KID	300, 600	.....	Standard Oil Co. of N. J.	.....
Matsonia.....	WMP	300, 600	PG	Matson Nav. Co.....	Marconi Co.
Maverick.....	WTW	.....	.....	Standard Oil Co. of Cal.	.....
Mayflower.....	NJV	300, 600	PG	Government.....	U. S. Navy.
Mayrant.....	NJU	300, 600	PG	do.....	U. S. Navy.
McCall.....	NJW	300, 600	PG	do.....	U. S. Navy.
McClellan.....	WXH	600	PG	do.....	U. S. Army.
McCulloch.....	NRH	300, 600	PG	do.....	U. S. C. G.
McDougal.....	NIT	300, 600	PG	do.....	U. S. Navy.
Meade.....	WXG	600	PG	do.....	U. S. Army.
Medina.....	KEI	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
Merrimack.....	KQM	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Merritt.....	WXI	600	PG	Government.....	U. S. Army.
Metapan.....	KLF	300, 600	PG	Metapan S. S. Corp....	Tropical Radio Tele- graph Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Mexican.....	WKL	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Mexicano.....	KGM	300, 600	PG	Pierce Oil Corp.....	Marconi Co.
Mexico.....	KWX	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Miami.....	KOZ	.....	.....	Peninsular & Occidental S. S. Co.	
Miami.....	NRQ	300, 600, 750	PG	Government.....	U. S. C. G.
Michigan.....	NJZ	300, 600	PG	.....do.....	U. S. Navy.
Millinocket.....	KNM	300, 600	PG	A. H. Bull S. S. Co.....	Marconi Co.
Mills.....	KRR	300, 600	PG	Ogden Mills.....	Marconi Co.
Milwaukee.....	NFB	300, 600	PG	Government.....	U. S. Navy.
Minneapolis.....	NGB	300, 600	PG	.....do.....	U. S. Navy.
Minnesota.....	WEK	300, 600	PG	Lake Michigan S. S. Co.	Marconi Co.
Minnesota.....	WMI	300, 600	PG	Great Northern S. S. Co.	Marconi Co.
Minnesota.....	NKD	300, 600	PG	Government.....	U. S. Navy.
Minnesotan.....	WKM	300, 600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Missouri.....	WFX	300, 600	PG	Northern Michigan S. S. Co.	Marconi Co.
Missouri.....	NKF	300, 600	PG	Government.....	U. S. Navy.
Missourian.....	WKX	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Mohawk.....	KVM	300, 600	PG	Clyde S. S. Co.....	Marconi Co.
Mohawk.....	KXE	300, 550, 600	PG	New England S. S. Co..	Nat. Elec. Sig- naling Co.
Mohawk.....	KYU	300	P	Ralph E. Barry.....	Vessel owner.
Mohawk.....	NRM	300, 600	PG	Government.....	U. S. C. G.
Mohegan.....	KXM	300, 550, 600	PG	New England S. S. Co..	Nat. Elec. Sig- naling Co.
Momus.....	KKM	300, 600	PG	Southern Pacific Co.....	Marconi Co.
Monadnock.....	NHD	300, 600	PG	Government.....	U. S. Navy.
Monaghan.....	NKL	300, 600	PG	.....do.....	U. S. Navy.
Mongolia.....	WWN	300, 600	PG	Pacific Mail S. S. Co.....	Marconi Co.
Monocacy.....	NQQ	300, 600	PG	Government.....	U. S. Navy.
Montana.....	NKM	300, 600	PG	.....do.....	U. S. Navy.
Montanan.....	WKN	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Monterey.....	KWY	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Monterey.....	NKN	300, 600	PG	Government.....	U. S. Navy.
Montgomery.....	NKO	300, 600	PG	.....do.....	U. S. Navy.
Moreni.....	KNX	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Morrill.....	NRC	300	PG	Government.....	U. S. C. G.
Morro Castle.....	KWC	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Motano.....	KSB	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Mukilteo.....	WRL	300, 600	.....	Charles Nelson Co.....	
Multnomah.....	WMA	300, 600	PG	Multnomah S. S. Co.....	Marconi Co.
Muskogee.....	KIB	300, 600	.....	Standard Oil Co. of N. J.	
Nacoochee.....	KFP	300, 600	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
Nann Smith.....	WBO	300, 600	PG	Inter-Ocean Transp. Co.	Marconi Co.
Nanshan.....	NNK	300, 600	PG	Government.....	U. S. Navy.
Nantucket.....	KQN	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Nashville.....	NKY	300, 600	PG	Government.....	U. S. Navy.
Navajo.....	WNJ	.....	.....	Western Steam Nav. Co. (California & Atlantic S. S. Co.).	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Navajo.....	NKZ	300, 600	PG	Government.....	U. S. Navy.
Navesink.....	WXU	400, 600, 800	O	do.....	U. S. Army.
Nebraska.....	NMA	300, 600	PG	do.....	U. S. Navy.
Nebraskan.....	WKY	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Neches.....	KEE	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
Nelson.....	KNL	300, 600	PG	Cuba Distilling Co.....	Marconi Co.
Nemo.....	KZE	300, 450, 600	P	M. N. Liebmann.....	Emil J. Si- mon.
Neptune.....	NMS	300, 600	PG	Government.....	U. S. Navy.
Nereus.....	NNF	300, 600	PG	do.....	U. S. Navy.
Nero.....	NMB	300, 600	PG	do.....	U. S. Navy.
Nevadan.....	WKZ	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
New Hampshire..	KXF	300, 450, 500, 550, 600	PG	New England S. S. Co..	Nat. Elec. Sig- naling Co.
New Hampshire..	NME	300, 600	PG	Government.....	U. S. Navy.
New Haven.....	KXN	300, 450, 500, 550, 600	PG	New England S. S. Co..	Nat. Elec. Sig- naling Co.
New Jersey.....	NMF	300, 600	PG	Government.....	U. S. Navy.
New Orleans.....	NMG	300, 600	PG	do.....	U. S. Navy.
Newport.....	NMH	300, 600	PG	do.....	U. S. Navy.
Newport.....	WWH	300, 600	PG	Pacific Mail S. S. Co....	Marconi Co.
New York.....	KNK	.....	.....	United N. Y. & Sandy Hook Pilots' Assn.	.....
New York.....	KSN	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
New York.....	NCC	300, 600	PG	Government.....	U. S. Navy.
Niagara.....	KYN	300, 600	PG	Howard Gould.....	Marconi Co.
Nicholson.....	NIU	300, 600	PG	Government.....	U. S. Navy.
Nokomis.....	WCW	300, 600	PG	Horace E. Dodge.....	Marconi Co.
Noma.....	KYO	300, 600	PG	Vincent Astor.....	Marconi Co.
Norman Bridge....	WIG	300, 600	PG	Petroleum Transp. Co....	Marconi Co.
North American..	WEN	300, 600	PG	Chicago, Duluth & Georgian Bay S. S. Co.	Marconi Co.
North Carolina...	NMN	300, 600	PG	Government.....	U. S. Navy.
North Dakota...	NMO	300, 600	PG	do.....	U. S. Navy.
Northern Pacific..	WIM	300, 600	PG	Great Northern Pacific S. S. Co.	Marconi Co.
Northland.....	WNX	300, 600	PG	E. J. Dodge Co.....	Marconi Co.
North Land.....	WCN	300, 600	PG	Northern S. S. Co.....	Marconi Co.
North Land.....	KJD	300, 600	PG	Eastern S. S. Corp.....	Marconi Co.
North Star.....	KJS	300, 600	PG	do.....	Marconi Co.
North Star.....	KYZ	300, 600	PG	Cornelius Vanderbilt....	Marconi Co.
Northwestern...	KUO	300, 600	PG	The Texas Co.....	Marconi Co.
Northwestern...	WAN	300, 600	PG	Alaska S. S. Co.....	Vessel owner.
North Wind.....	KYB	300	P	Charles Martin Clark....	Vessel owner.
Norwood.....	WSG	300, 600	PG	Sudden & Christensen (Inc.).	Marconi Co.
Nueces.....	KEH	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
Nushagak.....	WNE	300, 600	PG	Alaska Packers' Assn....	Vessel owner.
O'Brien.....	NIV	300, 600	PG	Government.....	U. S. Navy.
Oceana.....	KNV	300, 600	.....	Bermuda-American S. S. Corp.	.....
Octorara.....	WCD	300, 600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Ohio.....	NMW	300, 600	PG	Government.....	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Ohioan.....	WKQ	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Old Colony.....	KJO	300, 600	PG	Eastern S. S. Corp.....	Marconi Co.
Oleum.....	WTD	300, 600	.....	Fillmore Condit (Union Oil Co.).	Marconi Co.
Olivette.....	KOV	300, 600	PG	Peninsular & Occidental S. S. Co.	Marconi Co.
Olson & Mahony..	WIK	300, 600	PG	Olson & Mahony.....	Golden Gate Transp. Co.
Oneida.....	KYP	300, 550, 600	P	E. C. Benedict.....	Vessel owner.
Oneonta.....	WPX	300, 600	PG	Port of Portland.....	Marconi Co.
Onondaga.....	NRO	300, 600, 750	PG	Government.....	U. S. C. G.
Ontario.....	KQO	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Ontario.....	NTA	300, 600	PG	Government.....	U. S. Navy.
Oregon.....	NMZ	300, 600	PG	do.....	U. S. Navy.
Oregon.....	WOU	.....	.....	Crowley Launch & Tugboat Co.	Marconi Co.
Oregonian.....	WKO	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Orion.....	NOC	300, 600	PG	Government.....	U. S. Navy.
Osecola.....	NOA	300, 600	PG	do.....	U. S. Navy.
Ossipee.....	NRJ	300, 600, 750, 1000	PG	Government.....	U. S. C. G.
Owera.....	KZG	300, 600	PG	Peter G. Gerry.....	Marconi Co.
Ozark.....	NHH	300, 600	PG	Government.....	U. S. Navy.
Pacific.....	KIL	300, 600	PG	Emery S. S. Co.....	Vessel owner.
Paducah.....	NOG	300, 600	PG	Government.....	U. S. Navy.
Palos.....	NQS	300, 600	PG	do.....	U. S. Navy.
Pamlico.....	NRR	300	PG	do.....	U. S. C. G.
Pampanga.....	NQT	300, 600	PG	do.....	U. S. Navy.
Panama.....	KMH	300, 600	PG	Panama R. R. Co.....	Vessel owner.
Panamanian.....	WKR	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Pan American.....	KUT	300, 600	PG	Texas S. S. Co.....	Marconi Co.
Panther.....	NOJ	300, 600	PG	Government.....	U. S. Navy.
Panuco.....	KMM	300, 600	PG	Freeport & Tampico Fuel Oil Transp. Corp.	Marconi Co.
Paraguay.....	KTG	300, 600	PG	Sun Co.....	Marconi Co.
Paraiso.....	WRI	300, 600	PG	Craig Shipbuilding Co..	Marconi Co.
Parismina.....	KDG	300, 600	PG	Parismina S. S. Corp....	Tropical Radio Telegraph Co.
Parker.....	NIX	300, 600	PG	Government.....	U. S. Navy.
Parthian.....	KQP	300, 600	PG	Merchants & Miners Transp. Co.	U. S. Navy.
Pastores.....	KLA	300, 600	PG	Pastores S. S. Corp.....	Tropical Radio Telegraph Co.
Patapsco.....	NOL	600	.....	Government.....	U. S. Navy.
Pathfinder.....	NLJ	300, 600	O	do.....	U. S. Dept. of Commerce.
Patterson.....	NLH	300, 600	O	do.....	U. S. Dept. of Commerce.
Patterson.....	NOK	300, 600	PG	do.....	U. S. Navy.
Patuxent.....	NOM	300, 600	PG	do.....	U. S. Navy.
Paulding.....	NON	300, 600	PG	do.....	U. S. Navy.
Paul Jones.....	NOP	300, 600	PG	do.....	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Pavlof.....	WNO	300, 600	PG	Pacific-American Fish-eries.	Marconi Co.
Pennsylvania....	WWI	300, 600	PG	Pacific Mail S. S. Co....	Marconi Co.
Pennsylvanian....	WKP	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Peoria.....	NOW	300, 600	PG	Government.....	U. S. Navy.
Pequonnock.....	KXP	300, 550, 600	PG	New England S. S. Co....	Nat. Elec. Sig-naling Co.
Pere Marquette ...	WDA	300, 600	PG	Pere Marquette R. R. Co	Marconi Co.
Pere Marquette 17	WDC	300, 600	PG	.....do.....	Marconi Co.
Pere Marquette 18	WDD	300, 600	PG	.....do.....	Marconi Co.
Pere Marquette 19	WDB	300, 345, 600	PG	.....do.....	Marconi Co.
Pere Marquette 20	WDE	300, 600	PG	.....do.....	Marconi Co.
Perfection.....	KTN	300, 600	PG	Standard Transportation Co.	Marconi Co.
Perkins.....	NOX	300, 600	PG	Government.....	U. S. Navy.
Perry.....	NOY	300, 600	PG	.....do.....	U. S. Navy.
Persian.....	KQX	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Peru.....	WWJ	300, 600	PG	Pacific Mail S. S. Co....	Marconi Co.
Petrel.....	NOZ	300, 600	PG	Government.....	U. S. Navy.
Petrolite.....	KIF	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Philadelphia.....	KDA	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.
Philadelphia.....	KSM	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
Pilot Boy.....	KPL	300, 600	PG	Texas & Gulf S. S. Co....	
Pioneer.....	KIG	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Pittsburgh.....	NOT	300, 600	PG	Government.....	U. S. Navy.
Platuria.....	KSE	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Pleiades.....	WNP	300, 600	PG	Edgar F. Luckenbach...	Marconi Co.
Plymouth.....	KXII	300, 550, 600	PG	New England S. S. Co....	Nat. Elec. Sig-naling Co.
Polarine.....	KOI	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Pompey.....	NQF	300, 600	PG	Government.....	U. S. Navy.
Ponce.....	KGP	300, 600	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Portland.....	WNV	300, 600	PG	Nyno Line (Inc.).....	Vessel owner.
Potomac.....	NQK	300, 600	PG	Government.....	U. S. Navy.
Powhatan.....	KQY	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Prairie.....	NQM	300, 600	PG	Government.....	U. S. Navy.
Preble.....	NQN	300, 600	PG	.....do.....	U. S. Navy.
President.....	WGP	300, 600	PG	Pacific Coast Co.....	Marconi Co.
Preston.....	NQO	300, 600	PG	Government.....	U. S. Navy.
Princess Anne....	KOB	300, 600	PG	Old Dominion S. S. Co..	Marconi Co.
Princeton.....	KST	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Princeton.....	NQP	300, 600	PG	Government.....	U. S. Navy.
Priscilla.....	KXI	300, 550, 600	PG	New England S. S. Co....	Nat. Elec. Sig-naling Co.
Prometheus.....	NQR	300, 600	PG	Government.....	U. S. Navy.
Proteus.....	KKP	300, 600	PG	Southern Pacific Co....	Marconi Co.
Proteus.....	NNG	300, 600	PG	Government.....	U. S. Navy.
Providence.....	KXJ	300, 550, 600	PG	New England S. S. Co....	Nat. Elec. Sig-naling Co.
Puritan.....	WDU	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Quantico.....	KQQ	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Queen.....	WGX	300, 600	PG	Pacific Coast S. S. Co. . .	Marconi Co.
Radiant.....	KTR	300, 600	PG	Standard Transportation Co.	Marconi Co.
Rainbow.....	NTD	300, 600	PG	Government.....	U. S. Navy.
Raleigh.....	NTE	300, 600	PG	.....do.....	U. S. Navy.
Ramos.....	KER	300, 600	PG	Sloan, Danenhower & Co.	U. S. Navy.
Ranger.....	NFU	300, 600	PG	Government.....	Marconi Co.
Ransom B. Fuller.	KRF	300, 600	PG	Eastern S. S. Corp.....	Marconi Co.
Rayo.....	KTL	300, 600	PG	Standard Transportation Co.	Atlantic Communication Co.
Redondo.....	WBM	300, 600	PG	Alaska S. S. Co.....	Vessel owner.
Reid.....	NTU	300, 600	PG	Government.....	U. S. Navy.
Relay.....	KVZ	300, 600	P	Mexican Telegraph Co..	Vessel owner.
Relief.....	KRJ	.....	.....	Merritt & Chapman Derrick & Wrecking Co.	.....
Relief Lightship 66 or 85.	NLD	300, 600	PG	Government.....	U. S. Navy.
Relief Lightship 71 or 72.	NLE	300, 600	PG	.....do.....	U. S. Navy.
Relief Lightship 94 or 53.	NLG	300, 600	PG	.....do.....	U. S. Navy.
Remlik.....	KZR	300, 600	PG	Willis S. Kilmer.....	Marconi Co.
Reno.....	WYN	300	O	.....do.....	U. S. Army.
Rescue.....	KRP	300, 600	PG	Merritt & Chapman Derrick & Wrecking Co.	Vessel owner.
Restorer.....	WIU	300, 600	P	Commercial Pacific Cable Co.	Vessel owner.
Reuce.....	WSR	300, 600	PG	Columbia River Packers' Assn.	Vessel owner.
Rhode Island.....	NTX	300, 600	PG	Government.....	U. S. Navy.
Richard.....	WLG	300, 600	PG	Richard Hulett & Son..	.....
Richard Peck.....	KXR	300, 450, 500, 550, 600	PG	New England S. S. Co..	Nat. Elec. Signaling Co.
Richmond.....	WTR	300, 600	PG	Standard Oil Co. of Cal..	Marconi Co.
Rio Grande.....	KEG	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
Roamer.....	KZN	.....	.....	State of Florida.....	.....
Roanoke.....	WRR	300, 600	PG	North Pacific S. S. Co....	Marconi Co.
Roe.....	NTZ	300, 600	PG	Government.....	U. S. Navy.
Roma.....	WTE	300, 600	PG	Union S. S. Co. (Union Oil Co.).	.....
Roosevelt.....	NLR	300, 600	O	Government.....	U. S. Dept. of Commerce.
Rose City.....	WWR	300, 600	PG	San Francisco & Portland S. S. Co.	Marconi Co.
Sabine.....	KEB	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
Sacramento.....	NQV	300, 600	PG	Government.....	U. S. Navy.
Salem.....	NTP	300, 600	PG	.....do.....	U. S. Navy.
Sandy Hook.....	KNJ	300, 600	PG	United N. Y. & Sandy Hook Pilots' Assn.	.....
San Francisco.....	KRT	300, 600	PG	U. S. Steel Products Co..	Marconi Co.
San Francisco.....	NTQ	300, 600	PG	Government.....	U. S. Navy.
San Jacinto.....	KES	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
San Jose.....	WWL	300, 600	PG	Pacific Mail S. S. Co....	Marconi Co.
San Juan.....	KGJ	300, 600	PG	New York & Porto Rico S. S. Co.	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
San Juan.....	WWM	300, 600	PG	Pacific Mail S. S. Co....	Marconi Co.
San Marcos.....	KEK	300, 600	PG	Mallory S. S. Co.....	Marconi Co.
San Mateo.....	KLW	300, 600	.....	San Mateo S. S. Corp.....	
San Pablo.....	KLW	300, 600	.....	San Pablo S. S. Corp.....	
San Pedro.....	KLX	300, 600	.....	San Pedro S. S. Corp.....	
San Ramon.....	WNW	300, 600	PG	E. J. Dodge Co.....	Marconi Co.
Santa Ana.....	WAL	300, 600	PG	Alaska S. S. Co.....	Vessel owner.
Santa Catalina....	WBC	300, 600	PG	Atlantic & Pacific S. S. Co.	Marconi Co.
Santa Cecilia.....	WBB	300, 600	PG	.....do.....	Marconi Co.
Santa Clara.....	WBA	300, 600	PG	.....do.....	Marconi Co.
Santa Clara.....	WRS	300, 600	PG	North Pacific S. S. Co....	Marconi Co.
Santa Cruz.....	WPA	.....	.....	Puget Sound Salvage Co.	
Santa Cruz.....	WBD	300, 600	PG	Atlantic & Pacific S. S. Co.	Marconi Co.
Santa Maria.....	WTF	300, 600	PG	United S. S. Co. (Union Oil Co.).	
Santa Marta.....	KLG	300, 600	PG	Santa Marta S. S. Corp..	Tropical Radio Telegraph Co.
Santanta.....	KZS	300, 600	P	Osborne Howes.....	Vessel owner.
Santa Rita.....	WTG	300, 600	.....	Sun Co.....	Marconi Co.
Santa Rosalia.....	KLO	300, 600	PG	U. S. Steel Products Co..	Marconi Co.
Santiago.....	KWE	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Saramacca.....	KLH	300, 600	PG	Saramacca S. S. Corp....	Tropical Radio Telegraph Co.
Saratoga.....	KWS	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Saratoga.....	NTR	300, 600	PG	Government.....	U. S. Navy.
Sarnia.....	KVR	300, 600	PG	Sarnia S. S. Corp.....	Marconi Co.
Satellite.....	KPS	300, 600	PG	Alfred S. Sorensen & Sons.	Vessel owner.
Satsuma.....	KJI	300, 600	PG	Barber & Co.....	Marconi Co.
Saturn.....	NNM	300, 600	PG	Government.....	U. S. Navy.
Sayonara.....	KYJ	.....	.....	A. J. Drexel.....	Vessel owner.
Scorpion.....	NTT	300, 600	PG	Government.....	U. S. Navy.
Security.....	KSJ	300, 600	PG	Standard Transportation Co.	Marconi Co.
Seeandbee.....	WFS	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
Seguranca.....	KWG	300, 600	PG	Edward N. Breitung....	Marconi Co.
Seminole.....	NRS	300, 600	PG	Government.....	U. S. C. G.
Senator.....	WGS	300, 600	PG	Pacific Coast Co.....	Marconi Co.
Senator Bailey....	KGS	300, 450, 600	PG	Steele Towing & Wrecking Co.	Vessel owner.
Seneca.....	NRE	300, 600, 750	PG	Government.....	U. S. C. G.
Seward.....	WAV	300, 600	PG	Alaska S. S. Co.....	Vessel owner.
Shenango.....	KTC	300, 600	PG	Gulf Refining Co.....	Marconi Co.
Sheridan.....	WXJ	600	PG	Government.....	U. S. Army.
Sherman.....	WXX	600	PG	.....do.....	U. S. Army.
Sialia.....	WYF	.....	.....	J. K. Stewart.....	
Siberia.....	WWU	300, 600	PG	Pacific Mail S. S. Co....	Marconi Co.
Sibiria.....	KVS	300, 600	PG	Sibiria S. S. Corp.....	Marconi Co.
Sierra.....	WHJ	300, 600	PG	Oceanic S. S. Co.....	Federal Telegraph Co.
Sixaola.....	KDS	300, 600	PG	Sixaola S. S. Corp.....	Tropical Radio Telegraph Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
S. M. Fischer.....	WPH	300, 600	PG	Reid Wrecking Co.....	Marconi Co.
Smith.....	NSQ	300, 600	PG	Government.....	U. S. Navy.
Snohomish.....	NRF	300	PG	do.....	U. S. C. G.
Socony.....	KTX	300, 600	PG	Standard Oil Co. of N. Y.	Atlantic Com- munication Co.
Solace.....	NST	300, 600	PG	Government.....	U. S. Navy.
Somerset.....	KQS	300, 600	PG	State Street Trust Co. (Merchants & Miners Transp. Co.).	
Somerset.....	KSU	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Sonoma.....	WHM	300, 600	PG	Oceanic S. S. Co.....	
Sonoma.....	NTG	300, 600	PG	Government.....	U. S. Navy.
Sotoyomo.....	NUX	300, 600	PG	do.....	U. S. Navy.
South American..	WEO	300, 600	PG	Chicago, Duluth & Geor- gian Bay S. S. Co.	Marconi Co.
South American..	KVW	300, 600	PG	The Texas Co.....	Marconi Co.
South Carolina....	NSW	300, 600	PG	Government.....	U. S. Navy.
South Dakota....	NSX	300, 600	PG	do.....	U. S. Navy.
Southerner.....	KJF	300, 600	PG	Walker, Armstrong & Co.	Marconi Co.
Speedwell.....	WQS	300, 600	PG	A. F. Estabrook (Sou. Oreg. Transp. Co.).	Marconi Co.
Spokane.....	WGE	300, 600	PG	Pacific Coast Co.....	Marconi Co.
Sprigg Carroll....	WZU	1200	O	Government.....	U. S. Army.
Standard.....	KIC			Standard Oil Co. of N. J.	
S. O. Co. No. 91..	WTU	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
S. O. Co. No. 92..	KTY			Standard Transporta- tion Co.	
S. O. Co. No. 93..	WTY	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
S. O. Co. No. 94..	KTP			Standard Transporta- tion Co.	
S. O. Co. No. 95..	WTZ	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
St. Francis.....	WHH	300, 600	PG	Alaska Fishermen's Packing Co.	Vessel owner.
St. Helens.....	WNY	300, 600	PG	E. J. Dodge Co.....	Marconi Co.
St. Louis.....	KSL	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
St. Louis.....	NTF	300, 600	PG	Government.....	U. S. Navy.
St. Nicholas.....	WSS	300, 600	PG	Columbia River Pack- ers' Assn.	Vessel owner.
St. Paul.....	KSO	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
Stanley Dollar....	WSD			Dollar S. S. Line.....	
Starr.....	WPS	300, 600	PG	San Juan Fishing & Packing Co.	Vessel owner.
State of Ohio....	WFR	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
Sterrett.....	NTB	300, 600	PG	Government.....	U. S. Navy.
Stewart.....	NTC	300, 600	PG	do.....	U. S. Navy.
Stranger.....	NSR	300, 600		do.....	
Sultana.....	KZH	300, 600	PG	Mrs. Mary W. Harriman.	Marconi Co.
Sumner.....	WXL	600	PG	Government.....	U. S. Army.
Sun.....	KTU	300, 600	PG	Sun Co.....	Marconi Co.
Supply.....	NTK	300, 600	PG	Government.....	U. S. Navy.
Suriname.....	KLI	300, 600	PG	Suriname S. S. Corp....	Tropical Ra- dio Tele- graph Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
S. V. Luckenbach.	KGU	300, 600	PG	Edgar F. Luckenbach...	Marconi Co.
Suwannee.....	KQZ	300, 600	PG	State Street Trust Co. (Merchants & Miners Transp. Co.).	Marconi Co.
Sylph.....	NTL	300, 600	PG	Government.....	U. S. Navy.
Tacoma.....	NUA	300, 600	PG	do.....	U. S. Navy.
Tallahassee.....	NUC	300, 600	PG	do.....	U. S. Navy.
Tallapoosa.....	NRV	300, 600	PG	do.....	U. S. C. G.
		750, 1000			
Tarantula.....	KZT			W. K. Vanderbilt, jr....	
Tasco.....	KFT	300, 400, 480, 600	PG	T. A. Scott Co. (Inc.)...	Vessel owner.
Tatoosh.....	WPE	300, 600	PG	Puget Sound Tug Boat Co.	Vessel owner.
Tenadores.....	KLB	300, 600	PG	Tenadores S. S. Corp....	Tropical Ra- dio Tele- graph Co.
Tennessee.....	NUG	300, 600	PG	Government.....	U. S. Navy.
Terry.....	NUI	300, 600	PG	do.....	U. S. Navy.
Texan.....	WKT	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Texas.....	KUR	300, 600	PG	The Texas Co.....	Marconi Co.
Texas.....	NCD	300, 600	PG	Government.....	U. S. Navy.
The Harvester.....	WCR	300, 600	PG	Wisconsin Steel Co.....	Marconi Co.
Thetis.....	NRT	300, 600	PG	Government.....	U. S. C. G.
Thomas.....	WXM	600	PG	do.....	U. S. Army.
Tionesta.....	WCA	300, 600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Tivives.....	KMI	300, 600	PG	Tivives S. S. Corp.....	Tropical Ra- dio Tele- graph Co.
Toledo.....	KTV	300, 600	PG	Sun Co.....	Marconi Co.
Tonopah.....	NUN	300, 600	PG	Government.....	U. S. Navy.
Topila.....	KKE	300, 600	PG	Southern Pacific Co.....	Marconi Co.
Trinidadian.....	KNO	300, 600	PG	Gulf Refining Co.....	Marconi Co.
Trippe.....	NUQ	300, 600	PG	Government.....	U. S. Navy.
Truxton.....	NUS	300, 600	PG	do.....	U. S. Navy.
Turrialba.....	KDT	300, 600	PG	Turrialba S. S. Corp....	Tropical Ra- dio Tele- graph Co.
Tuscan.....	KQT	300, 600	PG	Merchants & Miners Transp. Co.	
Tuscarora.....	NRL	300, 600	PG	Government.....	U. S. C. G.
Ulysees.....	KPU	300, 600		Panama Canal.....	
Umatilla.....	WGU	300, 600	PG	Pacific Coast Co.....	Marconi Co.
Unalga.....	NRX	300, 600, 800	PG	Government.....	U. S. C. G.
Uncas.....	NVF	300, 600	PG	do.....	U. S. Navy.
Utah.....	NVE	300, 600	PG	do.....	U. S. Navy.
Vanadis.....	KYT	300, 450, 600	P	C. K. G. Billings.....	Vessel owner.
Venetia.....	WOV			J. D. Spreckles.....	Vessel owner.
Ventura.....	WHL	300, 600	PG	Oceanic S. S. Co.....	
Vermont.....	NVK	300, 600	PG	Government.....	U. S. Navy.
Vesta.....	KTS	300, 600	PG	Standard Transporta- tion Co.	Marconi Co.
Vestal.....	NMC	300, 600	PG	Government.....	U. S. Navy.
Vesuvius.....	NVM	300, 600	PG	do.....	U. S. Navy.
Vicksburg.....	NVN	300, 600	PG	do.....	U. S. Navy.
Victoria.....	WAD	300, 600	PG	Alaska S. S. Co.....	Vessel owner.
Vigilancia.....	KWV	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Villalobos.....	NVP	300, 600	PG	Government.....	U. S. Navy.
Virginia.....	WFH	300, 600	PG	Goodrich Transit Co....	Marconi Co.
Virginia.....	NVR	300, 600	PG	Government.....	U. S. Navy.
Virginian.....	WKV	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Vixen.....	NSU	300, 600	....	Government.....	
Wulcan.....	NVT	300, 600	PG	.....do.....	U. S. Navy.
Wakiva.....	KYI	300, 600	PG	Lamon V. Harkness.....	Marconi Co.
Walke.....	NWL	300, 600	PG	Government.....	U. S. Navy.
Wallula.....	WPY	300, 600	PG	Port of Portland.....	Marconi Co.
Wana.....	KYX	300, 600	P	George C. Sherman.....	Marconi Co.
Wapama.....	WVG	300, 600	PG	Chas. R. McCormick & Co.	Marconi Co.
Warren.....	WXN	600	PG	Government.....	U. S. Army.
Warrington.....	NWD	300, 600	PG	.....do.....	U. S. Navy.
Washington.....	NWE	300, 600	PG	Government.....	U. S. Navy.
Washtenaw.....	WTH	300, 600	PG	Union S. S. Co. (Union Oil Co.).	
Wasp.....	NSV	300, 600	PG	Government.....	
Wayfarer.....	KYW		....	Alfred G. Vanderbilt...	
W. B. Flint.....	WHG	300, 600	PG	Alaska Fishermen's Packing Co.	Vessel owner.
W. B. Keene....	KWK	300, 600	PG	Hilton Dodge Transp. Co.	Marconi Co.
West Virginia...	NWG	300, 600	PG	Government.....	U. S. Navy.
Western States...	WED	300, 600	PG	Detroit & Cleveland Nav. Co.	
Westwego.....	KGE	300, 600	PG	Union Petroleum S. S. Co.	Vessel owner.
Wheeling.....	NWH	300, 600	PG	Government.....	U. S. Navy.
Whipple.....	NWI	300, 600	PG	.....do.....	U. S. Navy.
Whittier.....	WHT	300, 600	PG	Max Dyer (Union Oil Co.).	
Wico.....	KNN	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Wild Duck.....	KYG	300, 600	PG	Gulf Refining Co.....	Marconi Co.
Wilhelmina.....	WMO	300, 600	PG	Matson Nav. Co.....	Marconi Co.
Willamette.....	WSW	300, 600	PG	Willamette S. S. Co....	Marconi Co.
William Chatham.	WMC	300, 600	PG	Steamer William Chatham Co. (Inc.).	Marconi Co.
Wm. F. Herrin...	WTN	300, 600	PG	Associated Oil Co.....	Marconi Co.
William O'Brien.	KPN	300, 600	....	East Coast Transp. Co...	Marconi Co.
Wilmington.....	NWK	300, 600	PG	Government.....	U. S. Navy.
Windber.....	WND	300, 600	PG	Pacific-American Fisheries.	Marconi Co.
Windom.....	NRW	300, 600	PG	Government.....	U. S. C. G.
Winifred.....	KTE	300, 600	PG	Gulf Refining Co.....	Marconi Co.
Winslow.....	NJA	300, 600	PG	Government.....	U. S. Navy.
Wisconsin.....	NWM	300, 600	PG	.....do.....	U. S. Navy.
Worden.....	NWP	300, 600	PG	.....do.....	U. S. Navy.
W. S. Porter.....	WTM	300, 600	PG	Associated Oil Co.....	Marconi Co.
Wyoming.....	NWQ	600	PG	Government.....	U. S. Navy.
Yale.....	WRY	300, 600	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	Federal Telegraph Co.
Yamacraw.....	NRY	300, 600	PG	Government.....	U. S. C. G.
Yankton.....	NSK	300, 600	PG	.....do.....	U. S. Navy.
Yorktown.....	NQX	300, 600	PG	.....do.....	U. S. Navy.
Yosemite.....	WQY	300, 600	PG	Yosemite S. S. Co....	Marconi Co.
Yucatan.....	WMY	300, 600	PG	North Pacific S. S. Co...	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Zacapa.....	KLE	300, 600	PG	Zacapa S. S. Corp.....	Tropical Radio Telegraph Co.
Zapora.....	WPQ	300, 600	PG	International Fisheries Co.	Vessel owner.
Zealandia.....	KNR	300, 600	PG	Fiske Trading Co.....	Nat. Elec. Signaling Co.
Zulia.....	KDZ	300, 600	PG	Atlantic & Carribbean Steam Nav. Co. (Red D Line).	Marconi Co.

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS.

[This list includes all call signals which have been assigned to United States radio stations, except amateur and certain "special" stations. b=ship station; c=land station.]

Call signal.	Station.	Call signal.	Station.
KDA	Philadelphia..... b	KEO	.....
KDB	Caracas..... b	KEP	Lampasas..... b
KDC	Douglas, Ariz..... c	KEQ	.....
KDD	Cartago..... b	KER	Ramos..... b
KDE	Carrillo..... b	KES	San Jacinto..... b
KDF	Coppename..... b	KET	Bolinas, Cal..... c
KDG	Parismina..... b	KEU	.....
KDH	Heredia..... b	KEV	.....
KDI	Abangarez..... b	KEW	.....
KDJ	.....	KEX	Los Angeles, Cal..... c
KDK	Atenas..... b	KEY	.....
KDL	Esparta..... b	KEZ	Brazos..... b
KDM	Maracaibo..... b	KFA	City of Columbus..... b
KDN	San Luis Obispo, Cal..... c	KFB	City of Atlanta..... b
KDO	.....	KFC	City of Macon..... b
KDP	Portland, Oreg..... c	KFD	City of Memphis..... b
KDQ	.....	KFE	.....
KDR	Marowijne..... b	KFF	Frieda..... b
KDS	Sixoala..... b	KFG	.....
KDT	Turrialba..... b	KFH	Herman Frasch..... b
KDU	Juneau, Alaska..... c	KFI	I. D. Fletcher..... b
KDV	.....	KFJ	City of Augusta..... b
KDW	.....	KFK	City of Savannah..... b
KDX	.....	KFL	.....
KDY	.....	KFM	.....
KDZ	Zulia..... b	KFN	.....
KEA	Colorado..... b	KFO	.....
KEB	Sabine..... b	KFP	Nacoochee..... b
KEC	Concho..... b	KFQ	.....
KED	.....	KFR	.....
KEE	Neches..... b	KFS	San Francisco, Cal..... c
KEF	.....	KFT	Tasco..... b
KEG	Rio Grande..... b	KFU	Lents, Oreg..... c
KEH	Nueces..... b	KFV	.....
KEI	Medina..... b	KFW	.....
KEJ	Alamo..... b	KFX	City of St. Louis..... b
KEK	San Marcos..... b		
KEL	.....	
KEM	Comal..... b		
KEN	.....	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KFY	City of Montgomery..... b	KHR	.....
KFZ	.....	KHS	.....
KG A	Coamo..... b	KHT	Naknek, Alaska..... c
KG B	Carolina..... b	KHU	.....
KG C	.....	KHV	.....
KG D	Dacia..... b	KHW	.....
KG E	Westwego..... b	KHX	Heeia Point, Hawaii..... c
KG F	.....	KHY	.....
KG G	.....	KHZ	.....
KG H	Hollister, Cal..... c	KIA	Ardmore..... b
KG I	Oakland, Cal..... c	KIB	Muskogee..... b
KG J	San Juan..... b	KIC	Standard..... b
KG K	.....	KID	Matinicock..... b
KG L	.....	KIE	Koko Head, Hawaii..... c
KG M	Mexicano..... b	KIF	Petrolite..... b
KG N	Albina, Oreg..... c	KIG	Pioneer..... b
KG O	Underwood, Wash..... c	KIH	Corning..... b
KG P	Ponce..... b	KII	Evangeline..... b
KG Q	.....	KIJ	.....
KG R	Atlanta..... b	KIK	Atlantic..... b
KG S	Senator Bailey..... b	KIL	Pacific..... b
KG T	J. L. Luckenbach..... b	KIM	.....
KG U	S. V. Luckenbach..... b	KIN	.....
KG V	.....	KIO	.....
KG W	.....	KIP	.....
KG X	.....	KIQ	.....
KG Y	.....	KIR	.....
KG Z	.....	KIS	.....
KHA	Karluk, Alaska..... c	KIT	.....
KHB	Kogiung, Alaska..... c	KIU	.....
KHC	Chignik, Alaska..... c	KIV	Iditarod, Alaska..... c
KHD	.....	KIW	Victor, Colo..... c
KHE	.....	KIX	Denver, Colo..... c
KHF	Nushagak, Alaska..... c	KIY	.....
KHG	Clarks Point, Alaska..... c	KIZ	Tolovana, Alaska..... c
KHH	.....	KJA	Jualin, Alaska..... c
KHI	.....	KJB	Bunker Hill..... b
KHJ	Koko Head, Hawaii..... c	KJC	.....
KHK	Wahaiwa, Hawaii..... c	KJD	North Land..... b
KHL	Lahaina, Hawaii..... c	KJE	Georgiana..... b
KHM	Lihue, Hawaii..... c	KJF	Southerner..... b
KHN	Kawaihae, Hawaii..... c		
KHO	Kaunakakai, Hawaii..... c		
KHP	.....	
KHQ	Phoenix, Ariz..... c		

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KJG	.....	KKU	El Mundo..... b
KJH	.....	KKV	El Oriente..... b
KJI	Satsuma..... b	KKW	El Valle..... b
KJJ	.....	KKX	El Occidente..... b
KJK	.....	KKY	El Dia..... b
KJL	.....	KKZ	El Rio..... b
KJM	Massachusetts..... b	KLA	Pastores..... b
KJN	.....	KLB	Tenadores..... b
KJO	Old Colony..... b	KLC	Calamares..... b
KJP	.....	KLD	Almirante..... b
KJQ	.....	KLE	Zacapa..... b
KJR	Rialto, Cal..... c	KLF	Metapan..... b
KJS	North Star..... b	KLG	Santa Marta..... b
KJT	.....	KLH	Saramacca..... b
KJU	.....	KLI	Suriname..... b
KJV	.....	KLJ	.....
KJW	.....	KLK	Craster Hall..... b
KJX	.....	KLL	.....
KJY	.....	KLM	Bantu..... b
KJZ	.....	KLN	Kentra..... b
KKK	Antilles..... b	KLO	Santa Rosalia..... b
KKK	El Sol..... b	KLP	.....
KKC	Chalmette..... b	KLQ	.....
KKD	Comus..... b	KLR	Crofton Hall..... b
KKE	Topila..... b	KLS	Los Angeles, Cal..... c
KKF	.....	KLT	Howick Hall..... b
KKG	.....	KLU	Charlton Hall..... b
KKH	.....	KLV	San Mateo..... b
KKI	.....	KLW	San Pablo..... b
KKJ	.....	KLX	San Pedro..... b
KKK	.....	KLY	.....
KKL	El Alba..... b	KLZ	.....
KKM	Momus..... b	KMA	Allianza..... b
KKN	El Norte..... b	KMB	.....
KKO	Excelsior..... b	KMC	.....
KKP	Proteus..... b	KMD	Cristobal..... b
KKQ	El Sud..... b	KME	Maine..... b
KKR	Creole..... b	KMF	Egegak, Alaska..... c
KKS	El Siglo..... b	KMG	Nushagak, Alaska..... c
KKT	El Cid..... b	KMH	Panama..... b
		KMI	Tivives..... b
		KMJ	.....
		KMK	Naknek, Alaska..... c
		KML	Kvichak, Alaska..... c
		KMM	Panuco..... b
		KMN	.....
		KMO	.....
		KMP	.....
		KMQ	.....

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KMR	Maracas..... b	KOL	.....
KMS	Ancon..... b	KOM	.....
KMT	Kvichak, Alaska..... c	KON	.....
KMU	Ugashik, Alaska..... c	KOO	.....
KMV	Advance..... b	KOP	.....
KMW	Akutan, Alaska..... c	KOQ	.....
KMX	Colon..... b	KOR	.....
KMY	.....	KOS	Brunswick..... b
KMZ	.....	KOT	.....
KNA	Dorothy Bradford..... b	KOU	.....
KNB	Lexington..... b	KOV	Olivette..... b
KNC	Concord..... b	KOW	Mascotte..... b
KND	Beverly..... b	KOX	Henry M. Flagler..... b
KNE	.....	KOY	.....
KNF	.....	KOZ	Miami..... b
KNG	Bradford..... b	KPA	Seattle, Wash..... c
KNH	Brockton..... b	KPB	Ketchikan, Alaska..... c
KNI	De Soto..... b	KPC	Astoria, Oreg..... c
KNJ	Sandy Hook..... b	KPD	.....
KNK	New York..... b	KPE	Seattle, Wash..... c
KNL	Nelson..... b	KPF	.....
KNM	Millinocket..... b	KPG	.....
KNN	Wico..... b	KPH	Hillcrest, Cal..... c
KNO	Trinidadian..... b	KPI	Avalon, Cal..... c
KNP	Dayton..... b	KPJ	East San Pedro, Cal..... c
KNQ	.....	KPK	.....
KNR	Zealandia..... b	KPL	Pilot Boy..... b
KNS	.....	KPM	Eureka, Cal..... c
KNT	.....	KPN	William O'Brien..... b
KNU	Currier..... b	KPO	.....
KNV	Oceana..... b	KPP	.....
KNW	.....	KPQ	.....
KNX	Moreni..... b	KPR	.....
KNY	.....	KPS	Satellite..... b
KNZ	.....	KPT	Achilles..... b
KOA	Hamilton..... b	KPU	Ulysses..... b
KOB	Princess Anne..... b	KPV	.....
KOC	Jamestown..... b	KPW	Cape Cod..... b
KOD	Jefferson..... b	KPX	Marshfield, Oreg..... c
KOE	Communipaw..... b	KPY	.....
KOF	.....	
KOG	Madison..... b		
KOH	Glenpool..... b		
KOI	Polarine..... b		
KOJ	.....	
KOK	.....	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KPZ	.....	KRX	.....
KQA	.....	KRY	.....
KQB	Berkshire..... b	KRZ	.....
KQC	Cretan..... b	KSA	Astral..... b
KQD	Dorchester..... b	KSB	Motano..... b
KQE	Essex..... b	KSO	Cushing..... b
KQF	.....	KSD	San Diego, Cal..... c
KQG	Gloucester..... b	KSE	Platuria..... b
KQH	Howard..... b	KSF	Finland..... b
KQI	Indian..... b	KSG	Baton Rouge..... b
KQJ	Juniata..... b	KSH	Kroonland..... b
KQK	Kershaw..... b	KSI	Llama..... b
KQL	Lexington..... b	KSJ	Security..... b
KQM	Merrimack..... b	KSK	Caddo..... b
KQN	Nantucket..... b	KSL	St. Louis..... b
KQO	Ontario..... b	KSM	Philadelphia..... b
KQP	Parthian..... b	KSN	New York..... b
KQQ	Quantico..... b	KSO	St. Paul..... b
KQR	Grecian..... b	KSP	Caloria..... b
KQS	Somerset..... b	KSQ	.....
KQT	Tuscan..... b	KSR	Bayway..... b
KQU	.....	KSS	South San Francisco, Cal..... c
KQV	.....	KST	Princeton..... b
KQW	.....	KSU	Somerset..... b
KQX	Persian..... b	KSV	.....
KQY	Powhatan..... b	KSW	.....
KQZ	Suwannee..... b	KSX	.....
KRA	Francis Hanify..... b	KSY	.....
KRB	Governor Cobb..... b	KSZ	.....
KRC	Camden..... b	KTA	Larimer..... b
KRD	Belfast..... b	KTB	Gulfstream..... b
KRE	Bay State..... b	KTC	Shenango..... b
KRF	Ransom B. Fuller..... b	KTD	Ligonier..... b
KRG	.....	KTE	Winifred..... b
KRH	City of Bangor..... b	KTF	J. M. Guffey..... b
KRI	City of Rockland..... b	KTG	Gulfoil..... b
KRJ	Relief..... b	KTH	Illinois..... b
KRK	Gargoyle..... b	KTI	Brilliant..... b
KRL	.....	KTJ	Comet..... b
KRM	.....	KTK	John D. Archbold..... b
KRN	Calvin Austin..... b	KTL	Rayo..... b
KRO	Columbia..... b	KTM	Eocene..... b
KRP	Rescue..... b	KTN	Perfection..... b
KRQ	.....	KTO	John D. Rockefeller..... b
KRR	Mills..... b	KTP	S. O. Co. No. 94..... b
KRS	.....	KTQ	City of Everett..... b
KRT	San Francisco..... b	KTR	Radiant..... b
KRU	.....	KTS	Vesta..... b
KRV	Governor Dingley..... b	KTT	Paraguay..... b
KRW	Roche Harbor, Wash..... c	KTU	Sun..... b
		KTV	Toledo..... b
		KTW	Delaware Sun..... b
		KTX	Socony..... b

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KTY	S. O. Co. No. 92..... b	KVM	Mohawk..... b
KTZ	Brindilla..... b	KVN	.....
KUA	Gulfight..... b	KVO	.....
KUB	.....	KVP	.....
KUC	.....	KVQ	.....
KUD	.....	KVR	Sarnia..... b
KUE	Gulfcoast..... b	KVS	Siberia..... b
KUF	.....	KVT	.....
KUG	.....	KVU	Elmer A. Keeler..... b
KUH	.....	KVV	.....
KUI	.....	KVW	South American..... b
KUJ	.....	KVX	.....
KUK	.....	KVY	.....
KUL	Louisiana..... b	KVZ	Relay..... b
KUM	.....	KWA	Buenaventura..... b
KUN	Alabama..... b	KWB	.....
KUO	Northwestern..... b	KWC	Morro Castle..... b
KUP	.....	KWD	Antilla..... b
KUQ	.....	KWE	Santiago..... b
KUR	Texas..... b	KWF	.....
KUS	Florida..... b	KWG	Seguranca..... b
KUT	Pan American..... b	KWH	Havana..... b
KUU	Brabant..... b	KWI	Camaguey..... b
KUV	.....	KWJ	.....
KUW	.....	KWK	W. B. Keene..... b
KUX	.....	KWL	.....
KUY	.....	KWM	.....
KUZ	.....	KWN	Guantanamo..... b
KVA	Apache..... b	KWO	.....
KVB	Arapahoe..... b	KWP	.....
KVC	Comanche..... b	KWQ	.....
KVD	.....	KWR	.....
KVE	.....	KWS	Saratoga..... b
KVF	Iroquois..... b	KWT	Teller, Alaska..... c
KVG	Algonquin..... b	KWU	.....
KVH	Huron..... b	KWV	Vigilancia..... b
KVI	.....	KWW	.....
KVJ	.....	KWX	Mexico..... b
KVK	Cherokee..... b	KWY	Monterey..... b
KVL	Lenape..... b	KWZ	Esperanza..... b
		KXA	Boston..... b
		KXB	City of Lowell..... b

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KXC	Commonwealth..... b	KYZ	North Star..... b
KXD	Maine..... b	KZA	Alberta..... b
KXE	Mohawk..... b	KZB	.....
KXF	New Hampshire..... b	KZC	.....
KXG	.....	KZD	Emeline..... b
KXH	Plymouth..... b	KZE	Nemo..... b
KXI	Priscilla..... b	KZF	.....
KXJ	Providence..... b	KZG	Owera..... b
KXK	.....	KZH	Sultana..... b
KXL	City of Taunton..... b	KZI	.....
KXM	Mohegan..... b	KZJ	.....
KXN	New Haven..... b	KZK	.....
KXO	.....	KZL	.....
KXP	Pequonnock..... b	KZM	.....
KXQ	Chester W. Chapin..... b	KZN	Roamer..... b
KXR	Richard Peck..... b	KZO	.....
KXS	.....	KZP	.....
KXT	.....	KZQ	.....
KXU	.....	KZR	Remlik..... b
KXV	.....	KZS	Santanta..... b
KXW	.....	KZT	Tarantula..... b
KXX	.....	KZU	.....
KXY	.....	KZV	.....
KXZ	.....	KZW	.....
KYA	Atalanta..... b	KZX	.....
KYB	North Wind..... b	KZY	.....
KYC	Corsair..... b	KZZ	.....
KYD	Cyprus..... b	NAA	Arlington, Radio, Va..... c
KYE	Cassandra..... b	NAB	Portland, Me..... c
KYF	Florence..... b	NAC	Portsmouth, N. H..... c
KYG	Wild Duck..... b	NAD	Boston, Mass..... c
KYH	Aloha..... b	NAE	Cape Cod, Mass..... c
KYI	Wakiva..... b	NAF	Newport, R. I..... c
KYJ	Sayonara..... b	NAG	Fire Island, Long Island, N. Y. c
KYK	Kismet..... b	NAH	New York (Brooklyn), N. Y. c
KYL	Lysistrata..... b	NAI	Philadelphia, Pa..... c
KYM	Columbia..... b	NAJ	.....
KYN	Niagara..... b	NAK	Annapolis, Md..... c
KYO	Noma..... b	NAL	Washington, D. C..... c
KYP	Oneida..... b	NAM	Norfolk, Va..... c
KYQ	California..... b	NAN	Beaufort, N. C..... c
KYR	Karina..... b		
KYS	.....	
KYT	Vanadis..... b		
KYU	Mohawk..... b		
KYV	.....	
KYW	Wayfarer..... b		
KYX	Wana..... b		
KYY	.....	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NAO	Charleston, S. C.....c	NCB	.....
NAP	St. Augustine, Fla.....c	NCC	New York.....b
NAQ	Jupiter, Fla.....c	NCD	Texas.....b
NAR	Key West, Fla.....c	NCE	.....
NAS	Pensacola, Fla.....c	NCF	Bailey.....b
NAT	New Orleans, La.....c	NCG	.....
NAU	San Juan, P. R.....c	NCH	Baltimore.....b
NAV	Port Royal, S. C.....c	NCI	.....
NAW	Guantanamo Bay, Cuba.....c	NCJ	.....
NAX	Colon, Panama.....c	NCK	.....
NAY	.....	NCL	Beale.....b
NAZ	.....	NCM	.....
NBA	Darien, Panama.....c	NCN	Birmingham.....b
NBB	.....	NCO	.....
NBC	.....	NCP	.....
NBD	.....	NCQ	.....
NBE	.....	NCR	.....
NBF	.....	NCS	.....
NBG	.....	NCT	.....
NBH	Ajax.....b	NCU	Buffalo.....b
NBI	Alabama.....b	NCV	Burrows.....b
NBJ	Albany.....b	NCW	.....
NBK	.....	NCX	.....
NBL	Alert.....b	NCY	Caesar.....b
NBM	.....	NCZ	California.....b
NBN	.....	NDA	Castine.....b
NBO	.....	NDB	Celtic.....b
NBP	Ammen.....b	NDC	.....
NBQ	.....	NDD	.....
NBR	Annapolis.....b	NDE	.....
NBS	.....	NDF	.....
NBT	.....	NDG	Chester.....b
NBU	Arethusa.....b	NDH	Cheyenne.....b
NBV	Arkansas.....b	NDI	Chicago.....b
NBW	.....	NDJ	.....
NBX	.....	NDK	.....
NBY	.....	NDL	Cincinnati.....b
NBZ	.....	NDM	Cleveland.....b
NCA	.....	NDN	Colorado.....b
		NDO	.....

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NDP	.....	NEY	.....
NDQ	Connecticut..... b	NEZ	.....
NDR	.....	NFA	Brooklyn..... b
NDS	.....	NFB	Milwaukee..... b
NDT	.....	NFC	Eagle..... b
NDU	Culgoa..... b	NFD	Elcano..... b
NDV	.....	NFE	Charleston..... b
NDW	.....	NFF	.....
NDX	.....	NFG	.....
NDY	Cyclops..... b	NFH	.....
NDZ	.....	NFI	.....
NEA	.....	NFJ	.....
NEB	.....	NFK	.....
NEC	.....	NFL	.....
NED	.....	NFM	Fanning..... b
NEE	.....	NFN	.....
NEF	.....	NFO	.....
NEG	.....	NFP	.....
NEH	.....	NFQ	.....
NEI	.....	NFR	Florida..... b
NEJ	.....	NFS	Flusser..... b
NEK	Delaware..... b	NFT	.....
NEL	.....	NFU	Ranger..... b
NEM	Denver..... b	NFV	.....
NEN	Des Moines..... b	NFW	.....
NEO	.....	NFX	.....
NEP	Dixie..... b	NFY	.....
NEQ	Dolphin..... b	NFZ	.....
NER	.....	NGA	Columbia..... b
NES	.....	NGB	Minneapolis..... b
NET	Drayton..... b	NGC	.....
NEU	Dubuque..... b	NGD	Galveston..... b
NEV	.....	NGE	.....
NEW	.....	NGF	Georgia..... b
NEX	.....	NGG	.....
		NGH	Glacier..... b
		NGI	Chattanooga..... b
		NGJ	Goldsbrough..... b
		NGK	Marblehead..... b
		NGL	.....

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NGM	.....	NHZ	.....
NGN	.....	NIA	Bainbridge..... b
NGO	.....	NIB	Jarvis..... b
NGP	.....	NIC	.....
NGQ	.....	NID	Jenkins..... b
NGR	.....	NIE	Jouett..... b
NGS	.....	NIF	.....
NGT	.....	NIG	.....
NGU	Hannibal..... b	NIH	Aylwin..... b
NGV	.....	NIJ	Balch..... b
NGW	.....	NIK	Benham..... b
NGX	Hector..... b	NIL	Cassin..... b
NGY	Helena..... b	NIM	Cummings..... b
NGZ	.....	NIN	Cushing..... b
NHA	Henley..... b	NIO	Downes..... b
NHB	.....	NIP	Kansas..... b
NHC	Hopkins..... b	NIQ	Kearsarge..... b
NHD	Monadnock..... b	NIR	Kentucky..... b
NHE	Hull..... b	NIS	Duncan..... b
NHF	.....	NIT	.....
NHG	Amphitrite..... b	NIU	McDougal..... b
NHH	Ozark..... b	NIV	Nicholson..... b
NHI	Hancock..... b	NIW	O'Brien..... b
NHJ	.....	NIX	Lamson..... b
NHK	.....	NIY	Parker..... b
NHL	.....	NIZ	Lawrence..... b
NHM	.....	NJA	Lebanon..... b
NHN	.....	NJB	Winslow..... b
NHO	Illinois..... b	NJC	Louisiana..... b
NHP	.....	NJD	Decatur..... b
NHQ	Indiana..... b	NJE	.....
NHR	.....	NJF	.....
NHS	.....	NJG	.....
NHT	Iowa..... b	NJH	Macdonough..... b
NHU	Iris..... b	NJI	.....
NHV	Iroquois..... b	NJJ	.....
NHW	.....	NJK	.....
NHX	.....	NJL	Maine..... b
NHY	.....	NJM	.....
		NJN	.....
		NJO	.....
		NJP	.....
		NJQ	Marietta..... b
		NJR	Mars..... b
		NJS	Maryland..... b

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NJT	Massachusetts..... b	NLI	Explorer..... b
NJU	Mayrant..... b	NLJ	Pathfinder..... b
NJV	Mayflower..... b	NLK	Bache..... b
NJW	McCall..... b	NLL	Columbine..... b
NJX	.....	NLM	Cypress..... b
NJY	.....	NLN	.....
NJZ	Michigan..... b	NLO	.....
NKA	.....	NLP	.....
NKB	.....	NLQ	.....
NKC	.....	NLR	.....
NKD	Minnesota..... b	NLS	.....
NKE	.....	NLT	.....
NKF	Missouri..... b	NLU	.....
NKG	.....	NLV	.....
NKH	.....	NLW	.....
NKI	.....	NLX	.....
NKJ	.....	NLY	.....
NKK	.....	NLZ	.....
NKL	Monaghan..... b	NMA	Nebraska..... b
NKM	Montana..... b	NMB	Nero..... b
NKN	Monterey..... b	NMC	Vestal..... b
NKO	Montgomery..... b	NMD	.....
NKP	.....	NME	New Hampshire..... b
NKQ	.....	NMF	New Jersey..... b
NKR	.....	NMG	New Orleans..... b
NKS	.....	NMH	Newport..... b
NKT	.....	NMI	.....
NKU	.....	NMJ	.....
NKV	.....	NMK	.....
NKW	.....	NML	.....
NKX	.....	NMM	.....
NKY	Nashville..... b	NMN	North Carolina..... b
NKZ	Navajo..... b	NMO	North Dakota..... b
NLA	Nantucket Shoals Lightship... c	NMP	.....
NLB	Diamond Shoals Lightship... c	NMQ	.....
NLC	Frying Pan Shoals Lightship... c	NMR	.....
NLD	Relief Lightship 66 or 85... b	NMS	Neptune..... b
NLE	Relief Lightship 71 or 72... b		
NLF	Kukui..... b		
NLG	Relief Lightship 94 or 53... b		
NLH	Patterson..... b		

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NMT	.....	NOF	.....
NMU	.....	NOG	Paducah..... b
NMV	.....	NOH	.....
NMW	Ohio..... b	NOI	.....
NMX	.....	NOJ	Panther..... b
NMY	.....	NOK	Patterson..... b
NMZ	Oregon..... b	NOL	Patapsco..... b
NNA	Brutus..... b	NOM	Patuxent..... b
NNB	Jason..... b	NON	Paulding..... b
NNC	Jupiter..... b	NOO	.....
NND	.....	NOP	Paul Jones..... b
NNE	.....	NOQ	.....
NNF	Nereus..... b	NOR	.....
NNG	Proteus..... b	NOS	.....
NNH	Leonidas..... b	NOT	Pittsburgh..... b
NNI	.....	NOU	.....
NNJ	Justin..... b	NOV	.....
NNK	Nanshan..... b	NOW	Peoria..... b
NNL	.....	NOX	Perkins..... b
NNM	Saturn..... b	NOY	Perry..... b
NNN	.....	NOZ	Petrel..... b
NNO	.....	NPA	Cordova, Alaska..... c
NNP	.....	NPB	Sitka, Alaska..... c
NNQ	.....	NPC	Puget Sound, Wash..... c
NNR	.....	NPD	Tatoosh, Wash..... c
NNS	.....	NPE	North Head, Wash..... c
NNT	.....	NPF	Cape Blanco, Oreg..... c
NNU	.....	NPG	Yerba Buena, Cal..... c
NNV	.....	NPH	Mare Island, Cal..... c
NNW	.....	NPI	Farallons, Cal..... c
NNX	.....	NPJ	Balboa, Panama..... c
NNY	.....	NPK	Point Arguello, Cal..... c
NNZ	.....	NPL	San Diego, Cal..... c
NOA	Osceola..... b	NPM	Honolulu, Hawaii..... c
NOB	Abarenda..... b	NPN	Guam, Marianne Islds..... c
NOC	Orion..... b	NPO	Cavite, P. I..... c
NOD	.....	NPP	Peking, China..... c
NOE	.....	NPQ	St. Paul, Pribilof Islds., Alaska..... c
		NPR	Dutch Harbor, Alaska..... c
		NPS	Kodiak, Alaska..... c
		NPT	Olongapo, P. I..... c
		NPU	Tutuila, Samoa..... c
		NPW	Eureka, Cal..... c
		NPX	.....
		NPY	St. George, Pribilof Islds., Alaska..... c
		NPZ	.....
		NQA	.....
		NQB	.....
		NQC	.....

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NQD	.....	NSC	.....
NQE	.....	NSD	.....
NQF	Pompey..... b	NSE	.....
NQG	.....	NSF	.....
NQH	.....	NSG	.....
NQI	.....	NSH	.....
NQJ	Isla de Luzon..... b	NSI	.....
NQK	Potomac..... b	NSJ	.....
NQL	Machias..... b	NSK	Yankton..... b
NQM	Prairie..... b	NSL	Gloucester..... b
NQN	Preble..... b	NSM	.....
NQO	Preston..... b	NSN	.....
NQP	Princeton..... b	NSO	.....
NQQ	Monocacy..... b	NSP	.....
NQR	Prometheus..... b	NSQ	Smith..... b
NQS	Palos..... b	NSR	Stranger..... b
NQT	Pampanga..... b	NSS	.....
NQU	.....	NST	Solace..... b
NQV	Sacramento..... b	NSU	Vixen..... b
NQW	.....	NSV	Wasp..... b
NQX	Yorktown..... b	NSW	South Carolina..... b
NQY	Albatross..... b	NSX	South Dakota..... b
NQZ	.....	NSY	.....
NRA	Algonquin..... b	NSZ	.....
NRB	Bear..... b	NTA	Ontario..... b
NRC	Morrill..... b	NTB	Sterrett..... b
NRD	Androscoggin..... b	NTC	Stewart..... b
NRE	Seneca..... b	NTD	Rainbow..... b
NRF	Snohomish..... b	NTE	Raleigh..... b
NRG	Gresham..... b	NTF	St. Louis..... b
NRH	McCulloch..... b	NTG	Sonoma..... b
NRI	Itasca..... b	NTH	.....
NRJ	Ossipee..... b	NTI	.....
NRK	.....	NTJ	.....
NRL	Tuscarora..... b	NTK	Supply..... b
NRM	Mohawk..... b	NTL	Sylph..... b
NRN	Manning..... b	NTM	.....
NRO	Onondaga..... b	NTN	.....
NRP	Apache..... b	NTO	.....
NRQ	Miami..... b	NTP	Salem..... b
NRR	Pamlico..... b		
NRS	Seminole..... b		
NRT	Thetis..... b		
NRU	Acushnet..... b		
NRV	Tallapoosa..... b		
NRW	Windom..... b		
NRX	Unalga..... b		
NRY	Yamacraw..... b		
NRZ	New London, Conn..... c		
NSA	.....	
NSB	.....	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NTQ	San Francisco..... b	NVC	.....
NTR	Saratoga..... b	NVD	.....
NTS	.....	NVE	Utah..... b
NTT	Scorpion..... b	NVF	Uncas..... b
NTU	Reid..... b	NVG	.....
NTV	.....	NVH	.....
NTW	.....	NVI	.....
NTX	Rhode Island..... b	NVJ	.....
NTY	.....	NVK	Vermont..... b
NTZ	Roe..... b	NVL	.....
NUA	Tacoma..... b	NVM	Vesuvius..... b
NUB	.....	NVN	Vicksburg..... b
NUC	Tallahassee..... b	NVO	.....
NUD	.....	NVP	Villalobos..... b
NUE	.....	NVQ	.....
NUF	.....	NVR	Virginia..... b
NUG	Tennessee..... b	NVS	Farragut..... b
NUH	.....	NVT	Vulcan..... b
NUI	Terry..... b	NVU	.....
NUJ	.....	NVV	.....
NUK	.....	NVW	.....
NUL	.....	NVX	.....
NUM	.....	NVY	.....
NUN	Tonapah..... b	NVZ	.....
NUO	.....	NWA	.....
NUP	.....	NWB	.....
NUQ	Trippe..... b	NWC	.....
NUR	.....	NWD	Warrington..... b
NUS	Truxton..... b	NWE	Washington..... b
NUT	.....	NWF	.....
NUU	.....	NWG	West Virginia..... b
NUV	.....	NWH	Wheeling..... b
NUW	.....	NWI	Whipple..... b
NUX	Sotoyomo..... b	NWJ	.....
NUY	.....	NWK	Wilmington..... b
NUZ	.....	NWL	Walke..... b
NVA	.....	NWM	Wisconsin..... b
NVB	.....	NWN	.....

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NWO	.....	NXW	F-3.....b
NWP	Worden.....b	NXX	F-4.....b
NWQ	Wyoming.....b	NXY	G-1.....b
NWR	.....	NXZ	G-2.....b
NWS	.....	NYA	G-3.....b
NWT	.....	NYB	G-4.....b
NWU	.....	NYC	H-1.....b
NWV	.....	NYD	H-2.....b
NWX	.....	NYE	H-3.....b
NWY	.....	NYF	K-1.....b
NWZ	.....	NYG	K-2.....b
NXA	.....	NYH	K-3.....b
NXB	.....	NYI	K-4.....b
NXC	.....	NYJ	K-5.....b
NXD	.....	NYK	K-6.....b
NXE	.....	NYL	K-7.....b
NXF	.....	NYM	K-8.....b
NXG	.....	NYN	.....
NXH	.....	NYO	.....
NXI	.....	NYP	.....
NXJ	.....	NYQ	.....
NXK	.....	NYR	.....
NXL	.....	NYS	.....
NXM	.....	NYT	.....
NXN	.....	NYU	.....
NXO	.....	NYV	.....
NXP	.....	NYW	.....
NXQ	.....	NYX	.....
NXR	.....	NYZ	.....
NXS	E-1.....b	NZA	.....
NXT	E-2.....b	NZB	.....
NXU	F-1.....b	NZC	.....
NXV	F-2.....b	NZD	.....
		NZE	.....
		NZF	.....
		NZG	.....
		NZH	.....
		NZI	.....
		NZJ	.....

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NZK	.....	WAX	.....
NZL	.....	WAY	Admiral Dewey..... b
NZM	.....	WAZ	Admiral Schley..... b
NZN	.....	WBA	Santa Clara..... b
NZO	.....	WBB	Santa Cecilia..... b
NZP	.....	WBC	Santa Catalina..... b
NZQ	.....	WBD	Santa Cruz..... b
NZR	.....	WBE	Cacique..... b
NZS	.....	WBF	Boston, Mass..... c
NZT	.....	WBG	.....
NZU	.....	WBH	.....
NZV	.....	WBI	D., L. & W. R. R. limited train..... c
NZW	.....	WBJ	.....
NZX	.....	WBK	Breakwater..... b
NZY	Washington, D. C..... c	WBL	Buffalo, N. Y..... c
NZZ	.....	WBM	Redondo..... b
WAA	Alameda..... b	WBN	.....
WAB	Admiral Evans..... b	WBO	Nann Smith..... b
WAC	Chicago..... b	WBP	Hermosa..... b
WAD	Victoria..... b	WBQ	.....
WAE	Edith..... b	WBR	.....
WAF	Admiral Farragut..... b	WBS	Baltimore, Md..... c
WAG	.....	WBT	Binghamton, N. Y..... c
WAH	Dora..... b	WBU	Hoboken, N. J..... c
WAI	Latouche..... b	WBV	Cabrillo..... b
WAJ	Jefferson..... b	WBW	Burrwood, La..... c
WAK	.....	WBX	Dover, N. J..... c
WAL	Santa Ana..... b	WBY	.....
WAM	.....	WBZ	.....
WAN	Northwestern..... b	WCA	Tionesta..... b
WAO	.....	WCB	Juniata..... b
WAP	.....	WCC	South Wellfleet, Mass..... c
WAQ	.....	WCD	Octorara..... b
WAR	Cordova..... b	WCE	.....
WAS	.....	WCF	Favorite..... b
WAT	.....	WCG	Brooklyn, N. Y..... c
WAU	Dolphin..... b	WCH	Boston, Mass..... c
WAV	Seward..... b	WCI	Newport, R. I..... c
WAW	Admiral Watson..... b	WCJ	.....
		WCK	.....
		WCL	.....
		WCM	Calumet, Mich..... c
		WCN	North Land..... b
		WCO	.....
		WCP	.....

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WCQ	.....	WEN	North American.....b
WCR	The Harvester..... b	WEO	South American..... b
WCS	.....	WEP	.....
WCT	.....	WEQ	.....
WCU	.....	WER	.....
WCV	.....	WES	.....
WCW	Nokomis..... b	WET	.....
WCX	Cleveland, Ohio..... c	WEU	.....
WCY	Cape May, N. J..... c	WEV	.....
WCZ	Illinois..... b	WEW	Marquette & Bessemer No. 1. b
WDA	Pere Marquette..... b	WEX	Marquette & Bessemer No. 2. b
WDB	Pere Marquette 19..... b	WEY	Alvina..... b
WDC	Pere Marquette 17..... b	WEZ	Ashtabula..... b
WDD	Pere Marquette 18..... b	WFA	Georgia..... b
WDE	Pere Marquette 20..... b	WFB	Alabama..... b
WDF	.....	WFC	Indiana..... b
WDG	.....	WFD	.....
WDH	.....	WFE	Carolina..... b
WDI	City of South Haven..... b	WFF	.....
WDJ	.....	WFG	Arizona..... b
WDK	.....	WFH	Virginia..... b
WDL	Lakeland..... b	WFI	Chicago..... b
WDM	Duluth, Minn..... c	WFJ	Christopher Columbus..... b
WDN	Ann Arbor No. 3..... b	WFK	Frankfort, Mich..... c
WDO	Ann Arbor No. 4..... b	WFL	.....
WDP	Ann Arbor No. 5..... b	WFM	Fort Morgan, Ala..... c
WDQ	.....	WFN	Eastland..... b
WDR	Detroit, Mich..... c	WFO	.....
WDS	City of Grand Rapids..... b	WFP	City of Erie..... b
WDT	City of St. Joseph..... b	WFQ	City of Buffalo..... b
WDU	Puritan..... b	WFR	State of Ohio..... b
WDV	City of Benton Harbor..... b	WFS	Seeandbee..... b
WDW	Holland..... b	WFT	.....
WDX	.....	WFU	.....
WDY	Lydonia..... b	WFW	.....
WDZ	.....	WFX	Manitou..... b
WEA	City of Cleveland III..... b	WFY	Missouri..... b
WEB	City of Mackinac II..... b	WFZ	.....
WEC	City of Detroit II..... b	WGA	City of Seattle..... b
WED	Western States..... b	WGB	.....
WEE	Eastern States..... b	WGC	.....
WEF	City of Detroit III..... b	WGD	.....
WEG	City of St. Ignace..... b	WGE	Spokane..... b
WEH	City of Alpena II..... b		
WEI	.....	
WEJ	.....	
WEK	Minnesota..... b		
WEL	.....	
WEM	.....	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WGF	.....	WIA	.....
WGG	Tuckerton, N. J. c	WIB	.....
WGH	Grand Haven, Mich. c	WIC	.....
WGI	.....	WID	Charles E. Harwood..... b
WGJ	.....	WIE	Edward L. Doheny..... b
WGK	.....	WIF	Herbert G. Wylie..... b
WGL	.....	WIG	Norman Bridge..... b
WGM	.....	WIH	C. A. Canfield..... b
WGN	.....	WII	Belmar, N. J. c
WGO	Chicago, Ill. c	WIJ	.....
WGP	President..... b	WIK	Olson & Mahony..... b
WGQ	City of Puebla..... b	WIL	Jim Butler..... b
WGR	Governor..... b	WIM	Northern Pacific..... b
WGS	Senator..... b	WIN	Colusa..... b
WGT	Congress..... b	WIO	.....
WGU	Umatilla..... b	WIP	.....
WGV	Galveston, Tex. c	WIQ	.....
WGW	.....	WIR	Great Northern..... b
WGX	Queen..... b	WIS	E. R. Sterling..... b
WGY	City of Topeka..... b	WIT	.....
WGZ	Guardian..... b	WIU	Restorer..... b
WHA	Cape Hatteras (Buxton), N. C. c	WIV	.....
WHB	New York, N. Y. c	WIW	.....
WHC	Columbia..... b	WIX	St. Petersburg, Fla. c
WHD	.....	WIY	.....
WHE	Philadelphia, Pa. c	WIZ	Benton Harbor, Mich. c
WHF	.....	WJA	.....
WHG	W. B. Flint..... b	WJB	.....
WHH	St. Frances..... b	WJC	.....
WHI	New York, N. Y. c	WJD	.....
WHJ	Sierra..... b	WJE	.....
WHK	New Orleans, La. c	WJF	.....
WHL	Ventura..... b	WJG	.....
WHM	Sonoma..... b	WJH	.....
WHN	.....	WJI	.....
WHO	Colon..... b	WJJ	.....
WHP	Mariposa..... b	WJK	.....
WHQ	Mackinac Island, Mich. c	WJL	.....
WHR	.....	WJM	.....
WHS	Adeline Smith..... b		
WHT	Whittier..... b		
WHU	Balboa..... b		
WHV	.....	
WHW	.....	
WHX	Humboldt..... b		
WHY	.....	
WHZ	.....	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WJN	.....	WLH	.....
WJO	.....	WLI	Iaqua..... b
WJP	.....	WLJ	.....
WJQ	.....	WLK	.....
WJR	.....	WLL	.....
WJS	.....	WLM	Huntington Harbor, North- port, N. Y..... c
WJT	.....	WLN	Newton, Mass..... c
WJU	.....	WLO	Hull, Mass..... c
WJV	.....	WLP	.....
WJW	Hoboken, N. J..... c	WLQ	.....
WJX	Jacksonville, Fla..... c	WLR	.....
WJY	.....	WLS	.....
WJZ	.....	WLT	.....
WKA	Alaskan..... b	WLU	.....
WKB	Arizonan..... b	WLV	.....
WKC	Californian..... b	WLW	.....
WKD	Dakotan..... b	WLX	.....
WKE	Kentuckian..... b	WLY	.....
WKF	American..... b	WLZ	.....
WKG	Georgian..... b	WMA	Multnomah..... b
WKH	Honolulan..... b	WMB	Mobile, Ala..... c
WKI	Isthmian..... b	WMC	William Chatham..... b
WKJ	Iowan..... b	WMD	.....
WKK	Kansan..... b	WME	Milwaukee, Wis..... c
WKL	Mexican..... b	WMF	Celilo..... b
WKM	Minnesotan..... b	WMG	Wapama..... b
WKN	Montanan..... b	WMH	.....
WKO	Oregonian..... b	WMI	Minnesota..... b
WKP	Pennsylvanian..... b	WMJ	.....
WKQ	Ohioan..... b	WMK	Hyades..... b
WKR	Panaman..... b	WML	Lurline..... b
WKS	Columbian..... b	WMM	Hilonian..... b
WKT	Texan..... b	WMN	Enterprise..... b
WKU	Hawaiian..... b	WMO	Wilhelmina..... b
WKV	Virginian..... b	WMP	Matsonia..... b
WKW	.....	WMQ	Manoa..... b
WKX	Missourian..... b	WMR	.....
WKY	Nebraskan..... b	WMS	.....
WKZ	Nevadan..... b	WMT	.....
WLA	.....	WMT	.....
WLB	.....	WMU	.....
WLC	New London, Conn..... c		
WLD	Ludington, Mich..... c		
WLE	.....	
WLF	.....	
WLG	Richard..... b		

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WMV	.....	WON	.....
WMW	Manitowoc, Wis. ....c	WOO	.....
WMX	Manistique, Mich. ....c	WOP	.....
WMY	Yucatan.....b	WOQ	.....
WMZ	.....	WOR	California.....b
WNA	.....	WOS	.....
WNB	.....	WOT	Coalinga.....b
WNC	Carlos.....b	WOU	Oregon.....b
WND	Windber.....b	WOV	Venetia.....b
WNE	Nushagak.....b	WOW	.....
WNF	Hattie Luckenbach.....b	WOX	.....
WNG	.....	WOY	.....
WNH	Lewis Luckenbach.....b	WOZ	.....
WNI	.....	WPA	Santa Cruz.....b
WNJ	Navajo.....b	WPB	.....
WNK	Al-Ki.....b	WPC	.....
WNL	Diamond Head.....b	WPD	Tampa, Fla.....c
WNM	Florence Luckenbach.....b	WPE	Tatoosh.....b
WNN	Corwin.....b	WPF	.....
WNO	Pavlof.....b	WPG	Goliah.....b
WNP	Pleiades.....b	WPH	S. M. Fischer.....b
WNQ	.....	WPI	.....
WNR	.....	WPJ	.....
WNS	Kvichak.....b	WPK	.....
WNT	New York, N. Y.....c	WPL	.....
WNU	New Orleans, La.....c	WPM	.....
WNV	Portland.....b	WPN	.....
WNW	San Ramon.....b	WPO	.....
WNX	Northland.....b	WPP	.....
WNY	St. Helens.....b	WQP	Zapora.....b
WNZ	.....	WPR	Ensenada, P. R.....c
WOA	Despatch.....b	WPS	Starr.....b
WOB	.....	WPT	Tilicum.....b
WOC	.....	WPU	.....
WOD	.....	WPV	.....
WOE	.....	WPW	.....
WOF	.....	WPX	Oneonta.....b
WOG	.....	WPY	Wallula.....b
WOH	Expansion.....b	WPZ	.....
WOI	Akron, Ohio.....c		
WOJ	.....	
WOK	Detroit, Mich.....c		
WOL	.....	
WOM	.....	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WQA	.....	WRN	.....
WQB	.....	WRO	Isle Royal, Mich..... c
WQC	Camino..... b	WRP	.....
WQD	.....	WRQ	.....
WQE	.....	WRR	Roanoke..... b
WQF	.....	WRS	Santa Clara..... b
WQG	.....	WRT	Geo. W. Elder..... b
WQH	.....	WRU	Port Arthur, Tex..... c
WQI	Costa Rica..... b	WRV	Alliance..... b
WQJ	.....	WRW	F. A. Kilburn..... b
WQK	.....	WRX	.....
WQL	.....	WRY	Yale..... b
WQM	.....	WRZ	.....
WQN	.....	WSA	Ashtabula, Ohio..... c
WQO	.....	WSB	.....
WQP	Canton, Ohio..... c	WSC	Siasconset, Mass..... c
WQQ	.....	WSD	Stanley Dollar..... b
WQR	.....	WSE	Seagate, N. Y..... c
WQS	Speedwell..... b	WSF	Grace Dollar..... b
WQT	.....	WSG	Norwood..... b
WQU	.....	WSH	.....
WQV	Mt. Vernon, Ohio..... c	WSI	Sault Ste. Marie, Mich..... c
WQW	.....	WSJ	John A. Hooper..... b
WQX	.....	WSK	Sagaponack, N. Y..... c
WQY	Yosemite..... b	WSL	Sayville, Long Island, N. Y... c
WQZ	.....	WSM	.....
WRA	Henry T. Scott..... b	WSN	Centralia..... b
WRB	Berlin..... b	WSO	Coronado..... b
WRC	J. B. Stetson..... b	WSP	.....
WRD	.....	WSQ	.....
WRE	J. A. Moffett..... b	WSR	Reuce..... b
WRF	.....	WSS	St. Nicholas..... b
WRG	Passagrilla, Fla..... c	WST	Miami, Fla..... c
WRH	Harvard..... b	WSU	.....
WRI	Paraiso..... b	WSV	Savannah, Ga..... c
WRJ	Aroline..... b	WSW	Willamette..... b
WRK	.....	WSX	Klamath..... b
WRL	Mukilteo..... b	WSY	Virginia Beach, Va..... c
WRM	.....	WSZ	.....
		WTA	Erskine M. Phelps..... b
		WTB	Argyll..... b
		WTC	Lansing..... b
		WTD	Oleum..... b
		WTE	Roma..... b
		WTF	Santa Maria..... b
		WTG	Santa Rita..... b
		WTH	Washtenaw..... b
		WTI	.....
		WTJ	.....
		WTK	J. A. Chanslor..... b

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WTL	Lyman Stewart..... b	WVS	Jolo, P. I..... c
WTM	W. S. Porter..... b	WVT	Malabang, P. I..... c
WTN	Wm. F. Herrin..... b	WVU	Manila, P. I..... c
WTO	Frank H. Buck..... b	WVV	Puerto Princessa, P. I..... c
WTP	Scranton, Pa..... c	WVV	Zamboanga, P. I..... c
WTQ	El Segundo..... b	WVX	Cuyo, P. I..... c
WTR	Richmond..... b	WVY	San Jose, P. I..... c
WTS	Col. E. L. Drake..... b		
WTT	Atlas..... b	WVZ	..... b
WTU	S. O. Co. No. 91..... b	WWA	China..... b
WTV	Captain A. F. Lucas..... b	WWB	Beaver..... b
WTW	Maverick..... b		
WTX	Asuncion..... b	WWC	..... b
WTY	S. O. Co. No. 93..... b	WWD	Bear..... b
WTZ	S. O. Co. No. 95..... b	WWE	Manchuria..... b
WUA	Fort Andrews, Mass..... c	WWF	City of Para..... b
WUB	Fort Hancock, N. J..... c	WWG	City of Sydney..... b
WUC	Fort H. G. Wright, N. Y..... c	WWH	Newport..... b
WUD	Fort Leavenworth, Kans..... c	WWI	Pennsylvania..... b
WUE	Fort Levett, Me..... c	WWJ	Peru..... b
WUF	Fort Monroe, Va..... c	WWK	Korea..... b
WUG	Fort Monroe, Va..... c	WWL	San Jose..... b
		WWM	San Juan..... b
WUH	.....	WWN	Mongolia..... b
WUI	Fort Riley, Kans..... c		
WUJ	Fort Sam Houston, Tex..... c	WVO	.....
WUK	Fort Stevens, Oreg..... c		
WUL	Fort Totten, N. Y..... c	WWP	.....
WUM	Fort Wood, N. Y..... c	WWQ	Aztec..... b
WUN	Fort Worden, Wash..... c	WWR	Rose City..... b
WUO	Fort Winfield Scott, Cal..... c		
WUP	Washington, D. C..... c	WWS	.....
WUQ	Washington, D. C..... c		
WUR	Fort Morgan, Ala..... c	WWT	.....
WUS	Fort Rosecrans, Cal..... c	WWU	Siberia..... b
WUT	.....	WWV	.....
WUU	Fort Adams, R. I..... c		
WUV	Fort Leavenworth, Kans..... c	WWW	.....
WUW	Fort Terry, N. Y..... c		
WUX	Fort Crockett, Tex..... c	WWX	.....
WUY	Fort San Jacinto, Tex..... c		
WUZ	Brownsville, Tex..... c	WWY	.....
WVA	Circle City, Alaska..... c		
WVB	Fairbanks, Alaska..... c	WWZ	.....
WVC	Fort Egbert, Alaska..... c	WXA	Buford..... b
WVD	Fort Gibbon, Alaska..... c	WXB	Crook..... b
WVE	Fort St. Michael, Alaska..... c	WXC	Dix..... b
WVF	Kotlik, Alaska..... c	WXD	Kilpatrick..... b
WVG	Nome, Alaska..... c	WXE	Liscum..... b
WVH	Nulato, Alaska..... c	WXF	Logan..... b
WVI	Petersburg, Alaska..... c	WXG	Meade..... b
WVJ	Wrangell, Alaska..... c	WXH	McClellan..... b
		WXI	Merritt..... b
WVK	.....	WXJ	Sheridan..... b
WVL	Fort Frank, P. I..... c	W XK	Sherman..... b
WVM	Fort Hughes, P. I..... c	WXL	Sumner..... b
WVN	Fort Mills, P. I..... c	WXM	Thomas..... b
WVO	Davao, P. I..... c	WXN	Warren..... b
WVP	Fort Drum, P. I..... c		
WVQ	Fort Wm. McKinley, P. I..... c	WXO	.....
WVR	Fort Wint, P. I..... c		

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WXP	.....	WYY	General Richard Arnold.....b
WXQ	.....	WYZ	Captain T. M. Morrison.....b
WXR	Burnside.....b	WZA	Fort Screven, Ga.....c
WXS	.....	WZB	Fort Howard, Md.....c
WXT	Joseph Henry.....b	WZC	Fort Whitman, Wash.....c
WXU	Navesink.....b	WZD	Fort Barrancas, Fla.....c
WXV	.....	WZE	.....
WXW	.....	WZF	.....
WXX	.....	WZG	Fort De Russey, Hawaii.....c
WXY	.....	WZH	Fort Shafter, Hawaii.....c
WXZ	.....	WZI	.....
WYA	General Royal T. Frank.....b	WZJ	.....
WYB	General S. N. Mills.....b	WZK	.....
WYC	Major Samuel Ringgold.....b	WZL	.....
WYD	General Henry T. Hunt.....b	WZM	.....
WYE	General Henry Knox.....b	WZN	.....
WYF	General E. O. C. Ord.....b	WZO	.....
WYG	Colonel Geo. Armistead.....b	WZP	.....
WYH	General Robert Anderson.....b	WZQ	General Timothy Pickering..b
WYI	Captain Chas. W. Rowell.....b	WZR	General Nathanael Greene...b
WYJ	General A. M. Randol.....b	WZS	Henry Wilson.....b
WYK	General Harvey Brown.....b	WZT	General George H. Weeks...b
WYL	General R. B. Ayres.....b	WZU	Sprigg Carroll.....b
WYM	Captain James Fornance.....b	WZV	General J. M. Brannan.....b
WYN	Reno.....b	WZW	General R. N. Batchelder...b
WYO	Major Evan Thomas.....b	WZX	.....
WYP	Captain Barrett.....b	WZY	.....
WYQ	Major Albert G. Forse.....b	WZZ	.....
WYR	Lieutenant Geo. M. Harris...b		
WYS	General G. W. Getty.....b		
WYT	Captain A. M. Wetherill.....b		
WYU	General Robt. Swartout.....b		
WYV	General S. B. Holabird.....b		
WYW	General R. H. Jackson.....b		
WYX	Lieutenant A. H. Cushing...b		

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (*).]

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Agricultural College, N. Dak.	9YG	300, 480, 600*	P	X	N. Dak. Agr. College.
Alameda, Cal.	6XS	300, 600*	P	X	Hugh R. Sprado.
Aldene, N. J.	2XL	300, 600, 1800	P	X	Marconi Co.
Algona, Wash.	7XU	300, 600, 4000*	P	X	Universal High Power Telph. Co.
Ames, Iowa.	9YI	300*	P	X	Iowa State College of Agriculture and Mechanic Arts.
Ann Arbor, Mich.	8XA	450, 600, 1800	P	X	University of Michigan.
Athens, Ohio.	8YP	300, 425	P	X	Ohio University.
Atlanta, Ga.	4XG	300*	P	X	Georgia School of Technology.
Auburn, N. Y.	8YA	300, 440, 500, 600	P	(1)	Edward L. Colby (Colby's Telgh. School).
Beeville, Tex.	5ZN	200, 450	P	X	Ed. Nettelton.
Beloit, Wis.	9XB	300, 600, 900*	P	X	Beloit College.
Berkeley, Cal.	6XB	200-3000*	P	X	University of California.
Berkeley, Cal.	6XR	300, 600*	P	X	Frank Rieber.
Bethesda, Md. <i>See</i> Friendship Heights, Md.					
Boston, Mass.	1XB	300, 600*	P	X	Wireless Specialty Apparatus Co.
Boston, Mass.	1XH	300, 400, 600*	P	X	Holtzer-Cabot Electric Co.
Bremerton, Wash.	7XL	300, 600*	P	X	T. M. Libby.
Buffalo, N. Y.	8ZB	200, 300, 425, 600	P	X	Nelson E. Holt.
Burlington, Iowa.	9XL	200-550*	P	X	Leslie W. Lyon.
Cambridge, Mass.	1XP	300, 600*	P	X	George W. Pierce.
Cambridge, Mass.	1YH	300, 550, 600*	P	X	Harvard University.
Canal Dover, Ohio.	8ZX	450, 600	P	X	Harry S. Weber.
Charleston, S. C.	4YC	300, 600	P	X	"The Citadel" (S. C. Military Academy).
Chelsea, Mass.	1XC	300, 600*	P	X	Wm. J. Murdock Co.
Chicago, Ill.	9YH	335, 600	P	X	Frank S. Jones.
Cincinnati, Ohio.	8ZF	200, 300, 450, 600	P	X	Henry M. Rubel, jr.
Cincinnati, Ohio.	8ZH	200, 300	P	X	Clayton M. Howes (Hughes High School).
Columbia University. <i>See</i> New York, N. Y.					

19 a. m. to 9.30 a. m.; 2 p. m. to 2.30 p. m.; 7 p. m. to 7.30 p. m.

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Contd.

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Columbus, Ohio.....	8YO	400	P	X	Ohio State Univ.
Denver, Colo.....	9ZA	450, 500, 750	P	X	E. A. Smith (Signal Corps, Colo. N. G.)
Fargo, N. Dak.....	9YF	300, 600	P	X	Theo. L. Wanner.
Farmington, Conn....	1ZZ	200, 300, 425, 600	P	8 p. m. to midnight.	David Lyon Moore.
Friendship Heights, D. C.	3ZF	200, 250	P	X	John V. Pursell.
Gloucester, Mass.....	1XI	300, 600*	P	X	John Hays Hammond, jr.
Grand Coteau, La....	5ZQ	450	P	X	St. Charles College.
Grand Forks, N. Dak.	9XN	300 to 1400*	P	X	University of North Dakota.
Hamilton, Ohio.....	8ZU	300, 600, 8000	P	X	Doron Bros. Electric Co.
Hartford, Conn.....	1ZC	200, 300, 425, 600	P	X	Harry E. Chapman.
Hartford, Conn.....	1ZM	200, 300, 425, 600	P	7 p. m. to 11 p. m.	Hiram Percy Maxim.
Hartford, Conn.....	1ZT	200, 425	P	7 p. m. to 11 p. m.	Clarence D. Tuska.
Hyattsville, Md.....	3XR	300, 400, 600*	P	X	J. Harris Rogers.
Illio polis, Ill.....	9ZK	200, 300, 450, 600	P	X	Harry J. E. Knotts (State-Center-Record.)
Iowa City, Iowa.....	9YA	385	P	X	State University of Iowa.
Ithaca, N. Y.....	8YC	300, 425	P	X	Cornell Univ.
Kane, Pa.....	8ZK	200, 425	P	X	John Fleming.
Kansas City, Mo. ¹	9XH	(*)	P	X	Harry D. Betz.
Kansas City, Mo.....	9XK	(*)	P	X	Robert R. Moore.
Key West, Fla.....	4XA	200, 600	P	X	George W. Almour.
Lake Geneva, Wis....	9YW	300, 425	P	X	Northwestern Mil. & Naval Acad.
Lake Geneva, Wis....	9YX	300, 425	P	X	Do.
Lawrence, Kans.....	9XP	400, 550, 800*	P	X	Univ. of Kansas.
Lexington, Mass.....	1ZD	200, 425, 600	P	X	Samuel Winthrop Dean.
Lima, Ohio.....	8YL	200, 425	P	X	J. E. Collins.
Los Angeles, Cal.....	6XL	300, 425, 600*	P	X	Y. M. C. A.
Los Angeles, Cal.....	6YL	-----	P	X	High School.
Madison, Wis.....	9XM	2000, 2200	P	X	Univ. of Wisconsin.
Memphis, Tenn.....	5XC	425 to 600*	P	X	Christian Brothers College.
Memphis, Tenn.....	5ZD	296	P	X	C. B. De La Hunt.
Minneapolis, Minn....	9ZE	200*	P	X	Philip E. Edelman.
Mobile, Ala.....	5ZM	200, 300, 450	P	X	Ben W. Martin.
Montauk, L. I., N. Y.	2XE	300, 600*	P	X	Western Electric Co.
Montgomery, Ala.....	5ZI	300, 600, 1625, 1800	P	X	Wm. H. Amerine (Signal Corps, Ala. N. G.).
New Bedford, Mass....	1ZO	200, 300, 425, 600	P	X	Lester I. Jenkins.
New Castle, Pa.....	8ZN	200, 425	P	X	R. L. Patch.
New York, N. Y.....	2XH	300, 540, 600, 800*	P	X	Walter G. Hudson.
New York, N. Y.....	2XN	300, 600*	P	X	Alfred N. Goldsmith (College of the City of New York).

¹ Portable station.

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Contd.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours of operation.	Station controlled by —
New York, N. Y.	2XG	300, 350, 600.	P	X	Radio Telephone & Telegraph Co.
New York, N. Y.	2XM	850, 1800, 2500 600, 1845, 2220, 2630	P	X	John H. Morecroft (Columbia Uni- versity).
New York, N. Y.	2XR	(*)	P	X	Marconi Co.
New York, N. Y.	2XU	300, 600, 2000, 40000*	P	X	Peter Cooper Hew- itt.
New York, N. Y.	2YS	250, 300, 600	P	X	Wm. S. Wilson.
Northampton, Mass. . .	1ZL	200, 300, 425, 600	P	X	Dean A. Lewis.
Nutley, N. J.	2ZH	200, 300, 450, 600	P	X	Arthur A. Hebert.
Oakland, Cal.	6XC	300, 550, 600*	P	X	Lewis M. Clement.
Oakland, Cal.	6XT	300, 600, 800*	P	X	Howard H. Tremble.
Orono, Me.	1XK	280, 590, 800	P	X	Univ. of Maine.
Pacific Grove, Cal. . . .	6ZB	300, 500, 600	P	X	Howard S. Bunting.
Philadelphia, Pa.	3XC	300, 480, 600*	P	X	Frank B. Chambers.
Philadelphia, Pa.	3XJ	300, 500, 600	P	X	St. Joseph's College.
Pittsburgh, Pa.	8YI	300, 425	P	X	Univ. of Pittsburgh.
Pittsfield, Mass.	1XG	600, 1600, 6000*	P	X	General Electric Co.
Port Chester, N. Y. . . .	2ZH	200, 425, 600	P	X	John W. Hubbard.
Providence, R. I.	1ZP	200, 300, 425, 600	P	X	Ralph C. Watrous.
Quarantine, Curtis Bay, Md.	3ZR	300, 600	P	(¹)	Thomas L. Rich- ardson.
Rapid City, S. Dak. . . .	9XA	(*)	P	X	Claude C. Van Nuys (So. Dak. School of Mines).
Richmond, Va.	3ZK	500*	P	X	Frank S. Splatt (Signal Corps, Va. N. G.).
Riverdale, Md.	3ZD	-----	P	X	Frank A. DeGroot.
Rock Island, Ill.	9XR	500	P	X	Robert K. Karlowa and Ray E. Hall (Tri-City Radio Laboratory).
Rockland, Me.	1ZR	200, 300, 450, 600	P	X	Edward L. Norton.
San Diego, Cal.	6YS	300, 500, 600	P	X	Southern Electrical Co.
San Francisco, Cal. . . .	6XA	300, 600*	P	X	Howard G. Ayls- worth.
San Francisco, Cal. . . .	6XD	300, 600, 2500 3000	P	X	Dwyer Wireless Telephone & Tel- graph Co.
San Francisco, Cal. . . .	6XH	600*	P	X	Wm. W. Hanscom.
Savannah, Ga.	4XL	300, 460, 560, 600*	P	X	Claude A. Lewis and Manning White.
Schenectady, N. Y. . . .	2XA	300, 600, 1000, 1200, 1700	P	X	E. M. Kinney.
Schenectady, N. Y. . . .	2XI	1600-10, 000*	P	X	General Elec. Co.
Schenectady, N. Y. . . .	2ZB	200, 300, 400, 500	P	X	Wallace L. Brooks.
Seattle, Wash.	7XK	600, 1000, 1400, 2000, 4000*	P	X	Kilbourne & Clark Mfg. Co.
Seattle, Wash.	7XM	300, 600, 1400*	P	X	Wireless Instru- ment Co.
Slingerlands, N. Y. . . .	2XD	200, 300, 600, 1000, 1200, 2000, 5500	P	X	C. F. and B. V. Deitz.

¹ Sunrise until 10 p. m.

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Contd.

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Springfield, Ill.....	9ZS	600, 2000	P	X	Illinois Watch Co.
Springfield, Ohio....	8ZM	300, 450, 600	P	X	Ross McGregor.
St. Davids, Pa.....	3ZS	300, 450, 600	P	X	Chas. H. Stewart.
St. Louis, Mo.....	9XC	700*	P	X	Christian Brothers College.
St. Louis, Mo.....	9XV	850, 1200, 1500 2000	P	X	Washington Univ.
St. Louis, Mo.....	9YR	150, 600	P	X	St. Louis Univ.
Steamship "Tyler"....	2XT	.....	P	X	D. G. McCaa.
Summit, N. J.....	2XW	300, 450, 600, 700, 1000	P	X	Frank N. Water- man.
Takoma Park, Md ...	3XB	500, 2000	P	X	Bliss Electrical School.
Trinidad, Colo.....	9ZB	450, 500, 750	P	X	E. A. Smith (Sig- nal Corps, Colo. N. G.).
Valparaiso, Ind.....	9XD	300, 600*	P	X	Dodge's Institute of Telegraphy.
Warren, Ohio.....	8XW	1800	P	X	Goodyear Tire & Rubber Co.
Washington, D. C....	3YM	200, 300, 400	P	X	McKinley Manual Training School.
Washington, D. C....	3YN	200, 400, 1800	P	X	James E. Smith (National Radio School).
Washington, D. C....	3ZH	.....	P	X	H. B. DeGroot.
Watchaug Pond, R. I.	1XW	.....	P	X	Ralph C. Watrous.
Wheeling, W. Va....	8ZW	300, 450, 600, 1800	P	X	John C. Stroebel, jr.
Wilkes-Barre, Pa....	8ZS	200, 425	P	X	John H. Stenger, jr.
Wichita, Kans.....	9YE	1700	P	X	Walter S. Ezell.
Worcester, Mass.....	1ZW	200, 425	P	X	Wm. H. Allison.

SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
	First district:		Fourth district:
1XA	Amesbury, Mass.	4XA	Key West, Fla.
1XB	Boston, Mass.	4XG	Atlanta, Ga.
1XC	Chelsea, Mass.	4XL	Savannah, Ga.
1XG	Pittsfield, Mass.	4YC	Charleston, S. C.
1XH	Boston, Mass.		Fifth district:
1XI	Gloucester, Mass.	5XC	Memphis, Tenn.
1XK	Orono, Me.	5ZA	Montgomery, Ala.
1XP	Cambridge, Mass.	5ZD	Memphis, Tenn.
1XW	Watchaug Pond, R. I.	5ZM	Mobile, Ala.
1YH	Cambridge, Mass.	5ZN	Beeville, Tex.
1ZC	Hartford, Conn.	5ZQ	Grand Coteau, La.
1ZD	Lexington, Mass.		Sixth district:
1ZL	Northampton, Mass.	6XA	San Francisco, Cal.
1ZM	Hartford, Conn.	6XB	Berkeley, Cal.
1ZO	New Bedford, Mass.	6XC	Oakland, Cal.
1ZP	Providence, R. I.	6XD	San Francisco, Cal.
1ZR	Rockland, Me.	6XH	San Francisco, Cal.
1ZT	Hartford, Conn.	6XL	Los Angeles, Cal.
1ZW	Worcester, Mass.	6XR	Berkeley, Cal.
1ZZ	Farmington, Conn.	6XS	Alameda, Cal.
	Second district:	6XT	Oakland, Cal.
2XA	Schenectady, N. Y.	6YL	Los Angeles, Cal.
2XD	Slingerlands, N. Y.	6YS	San Diego, Cal.
2XE	Montauk, Long Island, N. Y.	6ZB	Pacific Grove, Cal.
2XG	New York, N. Y.	7XK	Seventh district:
2XH	New York, N. Y.	7XL	Seattle, Wash.
2XI	Schenectady, N. Y.	7XM	Bremerton, Wash.
2XL	Aldene, N. J.	7XU	Seattle, Wash.
2XM	New York, N. Y.		Algona, Wash.
2XN	New York, N. Y.	8XA	Eighth district:
2XR	New York, N. Y.	8XW	Ann Arbor, Mich.
2XT	Steamship "Tyler."	8YA	Warren, Ohio.
2XU	New York, N. Y.	8YC	Auburn, N. Y.
2XW	Summit, N. J.	8YI	Ithaca, N. Y.
2YS	New York, N. Y.	8YL	Pittsburgh, Pa.
2ZB	Schenectady, N. Y.	8YO	Lima, Ohio.
2ZH	Nutley, N. J.	8YP	Columbus, Ohio.
2ZP	Port Chester, N. Y.	8ZB	Athens, Ohio.
	Third district:	8ZC	Buffalo, N. Y.
3XB	Takoma Park, Md.	8ZF	Battle Creek, Mich.
3XC	Philadelphia, Pa.	8ZH	Cincinnati, Ohio.
3XJ	Philadelphia, Pa.	8ZK	Cincinnati, Ohio.
3XR	Hyattsville, Md.	8ZM	Kane, Pa.
3YM	Washington, D. C.	8ZN	Springfield, Ohio.
3YN	Washington, D. C.	8ZS	New Castle, Pa.
3ZD	Riverdale, Md.	8ZT	Wilkes-Barre, Pa.
3ZF	Friendship Heights, D. C.	8ZU	Tiffin, Ohio.
3ZH	Washington, D. C.	8ZW	Hamilton, Ohio.
3ZK	Richmond, Va.	8ZX	Wheeling, W. Va.
3ZR	Quarantine, Curtis Bay, Md.		Canal Dover, Ohio.
3ZS	St. David's, Pa.	9XA	Ninth district:
		9XB	Rapid City, S. Dak.
			Beloit, Wis.

SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
	Ninth district—Continued.		Ninth district—Continued.
9XC	St. Louis, Mo.	9YG	Agricultural College, N. Dak.
9XD	Valparaiso, Ind.	9YH	Chicago, Ill.
9XH	Kansas City, Mo.	9YI	Ames, Iowa.
9XK	Kansas City, Mo.	9YR	St. Louis, Mo.
9XL	Burlington, Iowa.	9YW	Lake Geneva, Wis.
9XM	Madison, Wis.	9YX	Lake Geneva, Wis.
9XN	Grand Forks, N. Dak.	9ZA	Denver, Colo.
9XP	Lawrence, Kans.	9ZB	Denver, Colo.
9XR	Rock Island, Ill.	9ZD	Trinidad, Colo.
9XV	St. Louis, Mo.	9ZE	Denver, Colo.
9YA	Iowa City, Iowa.	9ZK	Minneapolis, Minn.
9YE	Wichita, Kans.	9ZS	Illiopolis, Ill.
9YF	Fargo, N. Dak.		Springfield, Ill.

AMATEUR RADIO STATIONS.

FIRST DISTRICT.

[Headquarters: Customhouse, Boston, Mass. The first district comprises the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
1FT	Ackley, Edward P.	Peaks Island, Me.	75
1SI	Alger, James W.	Reading, Mass.	100
1UL	Allen, Edwin B.	Westerly, R. I.	30
1KG	Allen, Franklin	125 Sycamore St., New Bedford, Mass.	250
1GM	Allen, J. Wyman	236 Hale St., Beverly, Mass.	20
1TF	Allenson, George T.	12 Railroad Ave., Valley Falls, R. I.	500
1EV	Almquist, Fritz A.	333 Franklin St., Quincy, Mass.	100
1KJ	Anderson, Arvid E.	Shore St., Falmouth, Mass.	100
1TA	Anderson, Caleb J.	Tudor Lodge, Old Beach Rd., Newport, R. I.	250
1HN	Anderson, Daniel H.	40 Oliver St., Everett, Mass.	250
1AL	Anderson, Harold W.	297 Brackett St., Portland, Me.	250
1NA	Andonegui, Lane	1010 Mass. Ave., Cambridge, Mass.	250
1ME	Angell, Otis P.	20 Trowbridge St., Cambridge, Mass.	150
1VM	Angelo, Anthony A.	191 Laurence St., Hartford, Conn.	250
1KQ	Armstrong, James B.	15 Bradford Rd., Newton Highlands, Mass.	100
1DA	Bacon, Harold L.	70 Wallace St., New Britain, Conn.	100
1NI	Bailey, Stanley M.	55 Cottage St., Hudson, Mass.	120
1FC	Baker, C. Hall	Torrington Point, Peak Island, Me.	24
1DN	Balcom, Loris L.	Noroton Heights, Conn.	1,000
1WE	Baldwin, James P.	66 Forest St., New Britain, Conn.	100
1LG	Ballou, Willis H.	82 Winthrop St., Medford, Mass.	50
1LF	Barrett, Bradford L.	47 Forest St., Springfield, Mass.	110
1WJ	Barrett, John H.	64 Lafayette Pl., Greenwich, Conn.	1,000
1UQ	Barth, Karl E.	229 Washington Ave., Providence, R. I.	150
1MX	Batchelder, Earl C.	378 Broadway, North Attleboro, Mass.	15
1JK	Batchelder, Hugh M.	92 Lake Ave., Melrose, Mass.	150
1KX	Batcheller, Arthur	199 Sherley Ave., Revere, Mass.	15
1GU	Baumann, Howard	24 Hale Ave., South Medford, Mass.	100
1IY	Baxter, Horace M.	160 Foster St., Brighton, Mass.	500
1MC	Baylies, Milton A.	111 Grinnell St., New Bedford, Mass.	500
1SP	Bayliss, Joseph	18 Lexington Ave., South Norwalk, Conn.	880
1CZ	Bean, Harold W.	82 S. Main St., Penacook, N. H.	40
1SL	Bearse, Edwin W.	43 Cutter St., Somerville, Mass.	50
1IW	Beckvold, Melvin P.	87 Callender St., Dorchester, Mass.	16
1OJ	Beecher, George E.	416 Allen St., Springfield, Mass.	500
1KW	Beering, Herbert A.	61 South St., Jamaica Plain, Mass.	100
1VL	Belknap, Edward L.	91 Vine St., Hartford, Conn.	200
1ND	Bellis, Clifford B.	9 Brown St., Waltham, Mass.	500
1CT	Belmont High School	Belmont, Mass.	500
1HY	Bennett, Lawrence S.	2 Lawrence St., Everett, Mass.	15
1LQ	Bennett, William F., jr.	24 Spring St., Somerville, Mass.	24
1DK	Benoit, Ralph J.	242 Whiting St., New Britain, Conn.	50
1HO	Bergmann, Malcolm P.	50 Jaques St., Somerville, Mass.	18
1FI	Bernier, Walter J.	7 River St., Sanford, Me.	50
1FW	Beverage, Harold H.	North Haven, Me.	500
1UG	Bigelow, Fred C.	123 Chapel St., Saylesville, R. I.	60
1MI	Birdsall, Elmer S.	Vineyard Haven, Mass.	100
1EF	Bixby, Harold O.	65 Hillside Ave., Arlington Heights, Mass.	

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Watts.</i>
1QK	Black, William R.....	32 Jefferson St., Newton, Mass.....	50
1EO	Blanchard, Chester T.....	25 Ashmont St., Dorchester Center, Mass..	50
1NB	Blanchard, Ralph N.....	73 Jenkins Ave., Whitman, Mass.....	250
1HA	Blanchard, Raymond C.....	14 Leonard St., North Attleboro, Mass....	300
1WV	Blanke, Donald C.....	Greenwich, Conn.....	330
1EH	Bloom, Philip H.....	9 Adams St., Holyoke, Mass.....	500
1LB	Blume, Carl T.....	8 Upham St., Revere, Mass.....	500
1MB	Boudette, Clayton M.....	194 Elm St., Everett, Mass.....	500
1QN	Bowditch, Frederic C., jr.	164 Rawson Road, Brookline, Mass.....	250
1LC	Bowen, Arthur N.....	34 Apthorp St., Revere, Mass.....	250
1KU	Bowen, Earle H.....	459 Madison St., Fall River, Mass.....	250
1KO	Bowen, Harold C.....	168 Belmont Ave., Fall River, Mass.....	250
1KS	Boy Scouts of America, Troop I.	Reading, Mass.....	108
1GJ	Bradbury, Lawson E.....	138 Endicott Ave., Revere, Mass.....	300
1WZ	Bradin, Jack H.....	30 Highland St., Hartford, Conn.....	880
1TR	Briggs, Darrah.....	41 School St., Newport, R. I.....	50
1LR	Brigham, Everett R.....	46 Church St., Hudson, Mass.....	60
1SB	Brock, William C.....	36 Liberty St., Nantucket, Mass.....	40
1AC	Brown, Orlando W.....	12 Kimball St., Sanford, Me.....	300
1WA	Bueb, John J., jr.....	12 Maher Ave., Greenwich, Conn.....	250
1RG	Buffinton, William H.....	836 Maple St., Fall River, Mass.....	500
1FD	Burwood, Otho R.....	Gorham, Me.....	150
1HI	Burke, Alan W.....	40 Pollock Ave., Pittsfield, Mass.....	750
1AU	Burns, James L.....	23 Pearl St., Rockland, Me.....	15
1SV	Burton, H. R.....	173 W. Elm Ave., Wollaston, Mass.....	100
1HH	Bushee, Ward H.....	249 County St., Attleboro, Mass.....	250
1JE	Bushway, George F.....	87 Glen Rock Ave., Malden, Mass.....	100
1VZ	Butler, James T.....	31½ Broadway, New Haven, Conn.....	50
1IR	Butterfield, George W.....	14 Birch Hill Ave., Wakefield, Mass.....	100
1MV	Caldwell, George W.....	52 Cherry St., Lynn, Mass.....	500
1NU	Campbell, Harold G.....	86 Kenwood St., Dorchester, Mass.....	100
1JO	Campbell, James S.....	Northbridge, Mass.....	550
1KY	Canfield, Donald T.....	Westboro, Mass.....	100
1IT	Canning, Richard H.....	95 Maple St., Milton, Mass.....	35
1FY	Carles, Reginald, C.....	66 Evans St., Portland, Me.....	.....
1SO	Cash, Wilson H.....	3 Prospect St., Nantucket, Mass.....	240
1BI	Castner, Harold W.....	69 High St., Portland, Me.....	12
1QE	Chace, Myron D.....	7 Norwood St., Worcester, Mass.....	100
1GC	Chadwick, Gilbert L.....	19 11th Ave., Haverhill, Mass.....	27
1TY	Champlin, Albert R.....	7½ Spring St., Westerly, R. I.....	100
1WL	Chase, Harry.....	400 N. Main St., Wallingford, Conn.....	880
1HC	Cheetham, Henry R.....	81 Avon St., Somerville, Mass.....	50
1JV	Chisholm, Chesleigh C.....	Squantum, Mass.....	30
1AQ	Clafin, Harold M.....	160 College Ave., Waterville, Me.....	440
1WG	Clark, Bradford J.....	49 Oak St., Hartford, Conn.....	40
1UU	Clark, Robert S.....	42 Elm St., Westerly, R. I.....	100
1QR	Clark, Wesley C.....	34 Cliff St., Arlington, Mass.....	250
1FL	Clark, William T.....	13 Winter St., Sanford, Me.....	20
1TS	Clarkson, Charles N.....	17 Gibbs Ave., Newport, R. I.....	50
1UP	Classical High School.....	Providence, R. I.....	300
1PT	Clayton, Henry C.....	1422 Washington St., Canton, Mass.....	30
1RM	Clements, William B.....	29 Pemberton Sq., Boston, Mass.....	180
1HG	Cogswell, George R.....	18 Garden St., Cambridge, Mass.....	200
1SJ	Coit, Jeffery V.....	22 Platt Ave., Norwich, Conn.....	140
1DJ	Cole, George E.....	350 Piedmont St., Waterbury, Conn.....	250
1NE	Coleman, Benj. B. B.....	193 Clapp St., Milton, Mass.....	220
1WC	Coleman, William F.....	177 Wethersfield Ave., Hartford, Conn.....	100
1JD	Collins, W. Lovejoy.....	44 Carver Rd., Newton Highlands, Mass..	100
1SN	Colton, Robert H.....	768 North St., Pittsfield, Mass.....	350

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
1WQ	Conner, John A.	293 Greenwich Ave., Stamford, Conn.	50
1NK	Coogan, Thomas P.	292 Washington Blvd., Springfield, Mass.	770
1JU	Cooke, Grover C.	274 Boston St., Lynn, Mass.	880
1FP	Coombs, George T.	Castine, Me.	20
1OS	Copland, H. Depew.	42 Huron Ave., Cambridge, Mass.	100
1LE	Corney, Chester A.	781 E. Broadway, Boston, Mass.	250
1EC	Cosgrove, Fred J.	57 Cedar St., Taunton, Mass.	500
1BX	Courtney, Frank T.	South Ryegate, Vt.	25
1DE	Cowless, Willard B.	94 W. Main St., Plainville, Conn.	50
1GE	Cressy, Dustin G.	233 E. Fellaway, Malden, Mass.	250
1EP	Crocker, Edmund P.	23 Hussey St., Nantucket, Mass.	100
1HP	Cromack, N. G. N.	8 Elm Lawn St., Dorchester, Mass.	100
1GT	Cummings, Francis H.	Prides Crossing, Mass.	500
1NL	Curtis, Samuel.	44 Faxon Rd., Atlantic, Mass.	24
1BV	Cusick, Howard.	21 Beech St., Gardiner, Me.	880
1OB	Daggett, Royal S.	71 Main St., Tisbury, Mass.	50
1IK	Dallin, Edwin B.	69 Oakland Ave., Arlington Heights, Mass.	250
1QZ	Danehy, Edward J.	21 Sargent St., Cambridge, Mass.	100
1KD	David, Harold E.	24 Belchertown Rd., Amherst, Mass.	275
1AX	Davies, Orel E.	301 Main St., Rockland, Me.	250
1ST	Decker, J. Raymond.	149 Warren St., Roxbury, Mass.	100
1ES	Deering, Frederick A.	109 Highland Ave., Melrose Highlands, Mass.	100
1VW	Delage, George C.	321 Greenwich Ave., Greenwich, Conn.	250
1DM	Dewey, Kenneth C.	4 Church St., Tariffville, Conn.	250
1LH	Dickson, William E.	59 Hamden Circle, Quincy, Mass.	250
1DZ	Didsbury, Wallace E.	27 Cook St., Winsted, Conn.	20
1ET	Dodge, Joseph B.	28 School St., Manchester, Mass.	500
1OZ	Doe, Charles S.	291 Reedsdale Rd., Milton, Mass.	40
1LO	Donovan Arthur B.	49 Bigelow Ave., Rockland, Mass.	250
1UO	Doyle, John B.	306 Thurber Ave., Providence, R. I.	100
1PC	Drake, Ervin T., jr.	40 Holyoke House, Cambridge, Mass.	30
1RJ	Drew, William E.	324 Central St., Auburndale, Mass.	90
1GQ	Dunbar, Atherton K.	175 Mt. Auburn St., Cambridge, Mass.	276
1HZ	Duncan, Harrie E.	34 Foster St., Newtonville, Mass.	500
1LI	Dwight, Harrison W.	24 Milwood St., Dorchester, Mass.	50
1GN	Dyson, John F.	Somerset, Mass.	500
1MY	Eales, Malcolm A. L.	4 Chestnut Park, Melrose, Mass.	250
1DT	Edgerly, Albert H., jr.	Kensington, Conn.	36
1QG	Edmester, Earle C.	23 Beacon St., Everett, Mass.	275
1KB	Edwards, Ralph E.	214 Bacon St., Waltham, Mass.	250
1RN	Ege, John F.	153 Crest Ave., Revere, Mass.	500
1NC	Ekwall, George O.	"The Standish," Waltham, Mass.	100
1OF	Eldredge, Clarence R.	41 Lawrence St., Wakefield, Mass.	500
1HR	Elliott, Thomas H., jr.	32 Evans Rd., North Weymouth, Mass.	1,000
1UW	Ellis, John W.	42 Filmore St., Lakewood, R. I.	48
1RD	Ericson, Arthur E.	Manchester, Mass.	-----
1AJ	Fabbri, Alessandro.	Bar Harbor, Me.	940
1DW	Fairchild, Charles R.	19 Kirkham Ave., East Haven, Conn.	100
1JT	Farmer, Edward E.	15 Cotting St., Medford, Mass.	10
1EQ	Farnum, Willis H.	21 Walter St., Somerville, Mass.	50
1IJ	Fassitt, Andrew J., jr.	27 Walden St., Cambridge, Mass.	500
1PU	Fearing, Sumner E.	36 Water St., East Weymouth, Mass.	-----
1EZ	Fenno, Stanley W.	Revere, Mass.	-----
1RO	Fernald, Wilder A.	238 Hale St., Lowell, Mass.	100
1DV	Fisk, Leonard D.	West Hartford, Conn.	935
1BA	Fitts, Harold W.	2 Park St., Barre, Vt.	100
1OH	Flanders, Fred F.	9 Norway St., Boston, Mass.	85
1TL	Flint, Carl O.	4 High St., Westerly, R. I.	550
1UM	Flint, Carl O.	28 Main St., Westerly, R. I.	100

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
1PV	Folsom, Rolfe A.....	76 Rockland Ave., Malden, Mass.....	75
1GX	French, Walter B.....	47 Varnum St., Lowell, Mass.....	440
1KN	Froberger, Laurence G..	50 Minot St., West Lynn, Mass.....	15
1DU	Frost, Russell S.....	27 Hart St., Hartford, Conn.....	30
1IH	Fuller, Clarence C.....	50 High St., Mansfield, Mass.....	616
1KP	Fuller, Perry D.....	14 Monson St., Dorchester, Mass.....	30
1CS	Furlong, Joseph.....	85 Glen Rd., Boston, Mass.....	100
1JL	Gahm, Sebastian, jr.....	113 Sheridan St., Jamaica Plain, Mass.....	100
1RZ	Gallagher, Edward J.....	16 Appleton St., Atlantic, Mass.....	220
1HF	Gardner, Chester R.....	11 Spring Hill Ter., Somerville, Mass.....	100
1NX	Garfield, Harold E.....	121 Centre Ave., Rockland, Me.....	45
1SF	Garrett, John D.....	645 Farmington Ave., Hartford, Conn.....	200
1UD	Gates, Harold S.....	261 Washington Ave., Providence, R. I.....	10
1BF	Gates, Paul H.....	Franklin, Vt.....	16
1BB	Gavett, Andrew W.....	39 Smith St., South Portland, Me.....	250
1GV	Gavill, Wilbur W.....	West Chelmsford, Mass.....	210
1UT	Gavitt, Lester E.....	43 Beach St., Westerly, R. I.....	100
1RI	Gawler, H. C.....	U. S. Radio Inspector, Boston, Mass.....	
1SS	Gawler, Leonard M.....	53 Heath St., Somerville, Mass.....	100
1SK	Geer, Laurence P.....	38 Atlantic St., Lynn, Mass.....	100
1NR	Gerrish, Kenneth B.....	170 Summer St., Malden, Mass.....	30
1NQ	Getchell, Melvin D.....	127 Monument St., West Medford, Mass.....	10
1VV	Gillespie, Eugene.....	31 Brownstone Ave., Portland, Conn.....	500
1OC	Gisburne, Edward A.....	12 Oakley St., Dorchester, Mass.....	25
1CG	Godfray, Carlton T.....	55 Homes Ave., Dorchester, Mass.....	100
1MG	Goodwin, A. R.....	35 Cleveland Ave., Saugus, Mass.....	40
1FA	Gould, Charles D.....	45 Masonic St., Rockland, Me.....	18
1CI	Gray, Walter B.....	47 Leonard St., Rochester, N. H.....	20
1NJ	Greeley, Francis B.....	50 Church St., Hudson, Mass.....	165
1MH	Griffin, Barte J., jr.....	86 Magnolia Ter., Springfield, Mass.....	12
1FX	Griffin, Stephen A.....	Peaks Island, Me.....	70
1BQ	Hackett, Harry S.....	White River Junction, Vt.....	100
1EY	Haffcke, Philip M.....	47 Locust St., Danvers, Mass.....	500
1TV	Hale, Edward E.....	92 Hallick Ave., Riverside, R. I.....	100
1EX	Haley, James A.....	7 Saranac St., Dorchester, Mass.....	250
1FO	Haley, Osmon.....	8 Goodwin St., Sanford, Me.....	24
1AW	Ham, Earle G.....	285 Cumberland Ave., Portland, Me.....	100
1OE	Hamilton, Charles F.....	7 Pomona St., Springfield, Mass.....	200
1HM	Hammett, Herbert M.....	4 Blue Hill Ave., Roxbury, Mass.....	500
1ED	Hardy, Rodney C.....	38 Gray St., Arlington, Mass.....	23
1GS	Hardy, Wilbur H.....	778 Hale St., Beverly Farms, Mass.....	250
1UA	Hargraves, Harold T.....	Silver Lake Ave., Lakewood, R. I.....	100
1PM	Hartwell, E. G.....	High School, North Attleboro, Mass.....	250
1VO	Haskell, Shirley D.....	Ivoryton, Conn.....	200
1LK	Haskins, Frederic C.....	220 Lexington St., Belmont, Mass.....	250
1AY	Hatch, James F.....	86 Elm St., Portland, Me.....	72
1FK	Hatch, Roland J.....	171 Oxford St., Portland, Me.....	80
1DI	Haugh, Charles J., jr.....	129 Farmington Ave., Waterbury, Conn.....	56
1SQ	Hayes, Clifford R.....	66 S. Main St., South Norwalk, Conn.....	500
1CB	Hayes, Ralph S.....	Exeter, N. H.....	100
1SZ	Hayward, Edward E., jr	4 Pembroke St., Newton, Mass.....	100
1OT	Heap, Sheldon S.....	132 Atlantic St., Atlantic, Mass.....	500
1VA	Hendrickson, Verner A..	97 Lockwood St., Stamford, Conn.....	60
1JY	Herland, John N.....	48 Brush Hill Rd., Mattapan, Mass.....	25
1SW	Hersey, Ralph H.....	2 Harborage Ave., Salem, Mass.....	1,000
1QV	Heyman, Harry.....	15 Congress St., Springfield, Mass.....	100
1GI	Higgins, Charles A.....	17 Pond St., Waltham, Mass.....	250
1FV	Hill, Harold F.....	102 Trowbridge St., Cambridge, Mass.....	500
1NH	Hilliard, Dana S.....	301 Hanover St., Fall River, Mass.....	440
1CJ	Hillson, Robert E.....	661 Maple St., Fall River, Mass.....	100

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
1DP	Himes, Norman E.....	17 Asylum St., Norwich, Conn.....	160
1WS	Hitchcock, Howard A....	1647 Boulevard, West Hartford, Conn.....	220
1CD	Hitchcock, William H....	106 Arlington St., Manchester, N. H.....	50
1JQ	Hoffman, Frank E.....	60 Pearl St., Springfield, Mass.....	500
1WY	Hoggson, Wallace.....	Greenwich, Conn.....	500
1WD	Holbrook, Richard F....	3 Thompson Ave., East Haven, Conn.....	20
1QP	Holt, Clarence G.....	26 Trenton St., Melrose, Mass.....	30
1TI	Horgan, T. Francis.....	239 Broadway, Newport, R. I.....	500
1VQ	Horsfall, George W.....	Unionville, Conn.....	100
1JB	Hovenden, Herbert C....	42 Austin St., Newtonville, Mass.....	100
1RA	Howard, George E.....	11 Middle St., Hingham Center, Mass.....	250
1GL	Howe, Bradford L.....	11 Fair Oaks Ave., Newtonville, Mass.....	25
1BU	Hoyt, Lowell P.....	R. F. D. No. 3, Presque Isle, Me.....	264
1UX	Hull, Elliott B.....	484 Hope St., Providence, R. I.....	55
1WM	Hunn, Edward B.....	27 High St., East Haven, Conn.....	20
1NS	Hyde, Irving B.....	59 Glenwood Ave., Pittsfield, Mass.....	30
1NN	Ingalls, George A.....	7 Holten St., Danvers, Mass.....	250
1MA	Irwin, Samuel D.....	West Bridgewater, Mass.....	250
1LD	Isherwood, William L....	69 Winsor St., New Bedford, Mass.....	250
1LW	Jackson, Edward W.....	34 Parker St., Lexington, Mass.....	1,000
1GB	Jaques, Louis A.....	57 Jaques St., Somerville, Mass.....	100
1II	Jennings, W. Francis, jr.	89 Sewell Woods Rd., Melrose Highlands, Mass.....	550
1TP	Jensen, Leonard C.....	17 Mt. Vernon St., Providence, R. I.....	100
1KA	Jepson, Warren F.....	3 Perkins St., Melrose, Mass.....	.....
1UE	Jette, George E.....	161 Summer St., Central Falls, R. I.....	500
1MQ	Jewett, Leroy R.....	Highland Square, Lynn, Mass.....	1,000
1TJ	Johnson, Alexander R....	371 Sayles St., Providence, R. I.....	100
1RK	Johnson, Elmer C.....	102 Hancock St., Whitman, Mass.....	220
1AP	Johnson, Ernest B.....	28 Spring St., Portland, Me.....	420
1MK	Johnson, Thurston A....	123 Winthrop St., Winthrop, Mass.....	250
1MJ	Judkins, Nathaniel B....	1474 Pawtucket Ave., Rumford, R. I.....	100
1LL	Justice, Francis C.....	148 Tremont St., Newton, Mass.....	100
1HU	Karl, Henry J.....	568 Union St., New Bedford, Mass.....	30
1ID	Kehoe, Francis.....	41 Walnut St., Boston, Mass.....	250
1IC	Keller, Adrian C.....	36 Grand View Ave., Medford, Mass.....	190
1CY	Kelley, Lawrence E.....	35 Saunders St., Allston, Mass.....	150
1AF	Kelsey, Donald L.....	67 Rankin St., Rockland, Me.....	80
1OA	Kenison, Arthur C.....	45 Parker St., Lexington, Mass.....	1,000
1JP	Knapp, Everett L.....	39 Otis St., Melrose, Mass.....	8
1LP	Knight, Hugh C.....	132 Melrose St., Melrose Highlands, Mass.....	1,000
1PI	Knight, Maurice E.....	3 Edwin St., Boston, Mass.....	30
1KT	Knight, Oscar F.....	201 Pleasant St., Attleboro, Mass.....	20
1FN	Knowlton, Dean W.....	38 High St., Belfast, Me.....	30
1FB	Knowlton, Henry E.....	Eagle Island, Me.....	25
1KH	Lally, Charles A.....	12 Lincoln St., North Adams, Mass.....	.....
1IN	Lamson, Horatio W.....	10 Oakland Ave., Arlington Heights, Mass.....	500
1GD	Lane, Frederic A.....	7 Madison Ave., Gloucester, Mass.....	250
1JZ	Lanouette, Kenneth H....	21 Houston Ave., Milton, Mass.....	18
1EE	Larsen, Reidar.....	46 Cabot St., Roxbury, Mass.....	30
1AT	Lawford, Arthur H.....	292 Main St., Bar Harbor, Me.....	1,000
1VH	Lawson, Allan.....	217 Rockwell St., Winsted, Conn.....	100
1IS	Leach, George F.....	513 Liberty St., Rockland, Mass.....	100
1UH	Lear, George F.....	134 Broadway, Newport, R. I.....	50
1UZ	Learned, Alpha A.....	76 Camp St., Providence, R. I.....	24
1IF	Leighton, Harold M.....	25 Walnut St., Lynn, Mass.....	15
1NZ	Leutz, Charles R.....	34 Wyman St., Jamaica Plain, Mass.....	50
1MW	Linn, Harold W.....	107 Alden St., Whitman, Mass.....	250
1SC	Lipson, Edward.....	38 Overlea Ave., East Saugus, Mass.....	600

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
1TZ	Lisker, William	141 Chester Ave., Providence, R. I.	24
1PK	Loheed, William J., jr.	12 Clifton Ave., Campello, Mass.	-----
1BM	Lomnitz, Frank W.	1365 E. Main St., Bridgeport, Conn.	495
1WU	Loomis, Harold C.	18 Oakland Ter., Hartford, Conn.	100
1KI	Loring, Wilfred B.	Plympton, Mass.	30
1NY	Lovis, Donald B.	26 Adelaide St., Jamaica Plain, Mass.	100
1FF	Lowell, Philip E.	Portland Pier, Portland, Me.	275
1BY	Lyman, Reginald P.	27 S. Main St., Rutland, Vt.	15
1NT	Lynch, John P.	260 Geneva Ave., Dorchester, Mass.	30
1HE	Lynde, Kenneth R.	20 Cloelia Ter., Newtonville, Mass.	100
1ML	Lyon, William H.	East Lexington, Mass.	500
1IM	Macdonald, Erving L.	80 Euclid Ave., Springfield, Mass.	80
1RE	MacLeod, Charles M.	11 St. Stephens Court, Lynn, Mass.	18
1FQ	Macomber, Leroy W.	11 Bayview St., Belfast, Me.	250
1TN	Mahoney, Charles J.	18 Pond Ave., Newport, R. I.	100
1TG	Manchester, Arthur W.	31 Newport Ave., Newport, R. I.	250
1TH	Mnauel, Lloyd	9 Bayside Ave., Newport, R. I.	500
1AB	Marden, Frank O.	25 Robinson St., South Portland, Me.	100
1GP	Marsh, Albert A.	2 Albion Pl., Chelsea, Mass.	55
1NG	Marshall, T. Stanley	1 Hobart St., Danvers, Mass.	1,000
1BH	Martineau, E. Joseph	1 Lafayette St., Lewiston, Me.	500
1WW	Maurer, Frank T.	Orange, Conn.	100
1ER	McCurdy, Bruce II.	145 Main St., Malden, Mass.	35
1NW	McDermott, Joseph H.	Belmont, Mass.	215
1QQ	McGrath, Joseph L.	206 Fayette St., Wollaston, Mass.	100
1CX	McIntosh, Harold W.	431 Great Plains Ave., Needham, Mass.	25
1FH	McIntyre, Harris B.	65 Court St., Houlton, Mass.	30
1CU	McKay, Preston L.	54 Plymouth St., North Carver, Mass.	18
1CM	McLane, Henry R.	342 Union Ave., Laconia, N. H.	1,000
1LX	McMahon, William G.	6 Rockland St., Melrose Highlands, Mass.	20
1KM	Meekin, William J.	34 Custer St., Rockland, Mass.	250
1FM	Meggison, Forrest L.	82 Central St., Westbrook, Me.	-----
1FJ	Meggison, Wilbur P.	13 Mechanic St., Westbrook, Me.	-----
1EG	Meirowitz, David	269 West St., Pittsfield, Mass.	-----
1CV	Meirowitz, Harry	176 West St., Pittsfield, Mass.	25
1QH	Melvin, Arthur W.	R. F. D. No. 1, Chelmsford, Mass.	250
1EU	Merrill, Donald F.	282 Buckminster Rd., Brookline, Mass.	475
1FR	Merrrow, Elmer R.	R. F. D. No. 6, Auburn, Me.	100
1BP	Mills, Bruce M.	48 Crescent St., Rutland, Vt.	50
1VN	Miner, Robert S.	11 Girard Ave., Hartford, Conn.	770
1SX	Moore, George M.	295 Beale St., Wollaston, Mass.	250
1VU	Morse, Harold J.	40 Clark St., Hartford, Conn.	10
1BK	Morse, Walter J.	24 Terrill St., Rutland, Vt.	100
1QO	Morton, Adelbert R.	79 Lonsdale St., Dorchester, Mass.	24
1GO	Morton, Sidney	6 Francis Ave., Pittsfield, Mass.	330
1IO	Mosher, Clifton E.	11 Jenny Lind St., New Bedford, Mass.	30
1LY	Moulton, Albert B.	26 Monadnock Rd., Worcester, Mass.	500
1TB	Mulvihill, Francis A.	369 Main St., New Britain, Conn.	440
1HW	Munroe, Henry W. T.	38 Beacon St., Everett, Mass.	500
1RB	Murphy, Denis L.	Lancaster, Mass.	100
1LZ	Murphy, Dudley B.	176 Highland Ave., Winchester, Mass.	1,000
1PX	Murphy, Harry J.	Florence, Mass.	50
1QF	Nash, Paul	64 Fairmont Ave., Newton, Mass.	15
1FS	Nash, William A.	43 Granite St., Biddeford, Me.	500
1DO	Nelson, Nels N.	58 Fairview St., New Britain, Conn.	50
1WN	Neuhaus, Theodore F.	Windsor, Conn.	200
1RY	Newcomb, Roland D.	16 Webster St., Atlantic, Mass.	500
1TO	Newton, Raymond C.	292 California Ave., Providence, R. I.	25
1KZ	Nichols, John S.	825 North St., Pittsfield, Mass.	1,000
1FU	Nicholson, James H.	119 Washington Ave., Portland, Me.	600

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
IGH	Nickerson, Arthur B.....	Hotel Thorwald, Gloucester, Mass.....	50
IJA	Nock, Herbert F.....	6 Hunting St., Attleboro, Mass.....	500
IRU	Norcross, Warren.....	Needham, Mass.....	20
IQA	Nyquist, Norman A.....	107 Chestnut Ave., Jamaica Plain, Mass....	100
ISU	O'Brien, David W.....	178 Second St., Pittsfield, Mass.....	500
IIX	Ohlson, Olof.....	472 Crafts St., Newton, Mass.....	250
ISD	Oliver, Herbert W.....	164 Allen Ave., Lynn, Mass.....	275
ICK	Onens, Clarence E.....	820 Front St., Chicopee, Mass.....	100
IDS	Ostlund, Axel F.....	559 Broad St., Hartford, Conn.....	100
IMO	Ostrander, Freeman K., jr.	78 Charles St., Springfield, Mass.....	500
1WK	Palmer, Rae O.....	320 Wethersfield Ave., Hartford, Conn....	550
1RC	Papkee, Edward D.....	16 Garden St., Medford, Mass.....	8
1JC	Parker, John A.....	246 Broadway, Somerville, Mass.....	250
1SH	Parmelee, Albert O.....	Reading, Mass.....	100
1IE	Paton, Raymond.....	613 California St., Newtonville, Mass.....	.....
1IG	Patten, Ernest L. O.....	11 Holmes St., Malden, Mass.....	210
1OM	Payson, Gilbert R., jr.....	545 Belmont St., Belmont, Mass.....	100
IUB	Pease, Reginald M.....	5 W. Park St., Providence, R. I.....	18
1UN	Peckham, J. Wallace.....	Middletown, R. I.....	100
1VY	Pember, Harold N.....	2 Cone St., Hartford, Conn.....	250
1MN	Pennell, Leon.....	69 N. Main St., Brockton, Mass.....	100
1KF	Pennypacker, Thomas R.....	Chatham, Mass.....	160
1RF	Pennypacker, Thomas R.....	6 Chauncy St., Cambridge, Mass.....	110
1UV	Perry, Foster N.....	62 Elm St., Westerly, R. I.....	300
1AI	Perry, Horace R.....	74 Winter St., Portland, Me.....	170
1EM	Peterson, Alexander H.....	154 Westminster Ave., Arlington Heights, Mass.	1,000
1DB	Peterson, Hans C. W.....	44 New King St., Thompsonville, Conn....	275
1KK	Pettey, Raymond A.....	Dartmouth, Mass.....	242
1EW	Phelan, Lawrence T.....	102 Rodman St., Fall River, Mass.....	30
1SE	Phillips, Henry D.....	11 Haskell St., Cambridge, Mass.....	100
1AO	Pickles, Joseph A.....	38 Emery St., Sanford, Me.....	20
1IL	Pierce, Robert.....	70 Westland Ave., Boston, Mass.....	275
1WX	Powell, (Miss) Cecil.....	451 New Britain Ave., Hartford, Conn....	110
1JS	Powers, Leonard S.....	431 Plymouth St., Carver, Mass.....	14
1DR	Pranitis, George S.....	266 Fairview St., New Britain, Conn.....	100
1JG	Pratt, Fearing.....	120 Main St., Hingham, Mass.....	250
1AN	Pratt, Rhama W.....	207 Longfellow St., Westbrook, Me.....	250
1PJ	Pratt, Walter L.....	50 Hartsuff St., Rockland, Mass.....	100
1KE	Priest, Holden C.....	101 Abbottsford Rd., Brookline, Mass....	500
1QM	Proulx, George H.....	147 Pemberton St., Cambridge, Mass.....	100
1PY	Pulley, Lester A.....	33 Porter St., Melrose, Mass.....	500
1MP	Purseell, Clarence V.....	1257 Morton St., Dorchester, Mass.....	250
1RP	Randall, Eugene F.....	27 Cotting St., Medford, Mass.....	110
1PZ	Ranlett, Frederick J., jr.....	357 Central St., Auburndale, Mass.....	100
1AG	Ray, Charles H.....	Auburn, Me.....	60
1ON	Readio, George U.....	58 Pearl St., Springfield, Mass.....	1,000
1DY	Redick, Kenneth T.....	Newington, Conn.....	250
1CQ	Reed, Coleman C.....	672 Marlboro St., Keene, N. H.....	204
1PO	Reed, Leslie S.....	61 Chestnut St., New Bedford, Mass.....	750
1BO	Reed, Sherman A.....	19 Dunbar St., Keene, N. H.....	500
1LA	Remington, Kenneth F.....	747 High St., Fall River, Mass.....	500
1EZ	Revere High School.....	Revere, Mass.....	250
1CP	Reynolds, Walter W.....	19 Marlboro St., Belmont, Mass.....	250
1SG	Rice, Ralph W.....	31 Vinal Ave., Somerville, Mass.....	30
1AR	Rich, Marion.....	Cedar Ave., Bar Harbor, Me.....	250
1IA	Richmond, Harold B.....	12 George St., Medord, Mass.....	400
1JX	Rinaldi, Henry L.....	34-A Ibbetson St., Somerville, Mass....	100
1GY	Robbins, Harold H.....	315 Kent St., Brookline, Mass.....	250

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1CC	Robert, Fortuna.....	457 E. High St., Manchester, N. H.	10
1DD	Robillard, Paul.....	149 State St., New London, Conn.....	250
1SR	Robinson, Alfred L.....	2458 Massachusetts Ave., North Cambridge, Mass.	100
1BR	Robinson, B. C.....	St. Johnsbury Center, Vt.....	530
1GR	Robinson, Henry S.....	136 Pleasant St., Attleboro, Mass.....	500
1FE	Robinson, Laurence B.....	R. F. D. No. 2, Gorham, Me.....	250
1EJ	Robinson, Philip F.....	149 Hollis Ave., Braintree, Mass.....	275
1AS	Rochelau, William H.....	71 Church St., Westbrook, Me.....	250
1MR	Roddin, Thomas.....	90 Pine St., Belmont, Mass.....	500
1BS	Rolph, Henry D.....	16 River St., Stamford, Conn.....	100
1EL	Rosenbloom, William.....	108 Thornton St., Revere, Mass.....	500
1MS	Rowell, Kendall B.....	135 Dale St., Waltham, Mass.....	500
1JR	Ruggles, Clifford L.....	6 Simonds Court, Medford, Mass.....	18
1LS	Runey, Leon C.....	49 Fairmont St., Belmont, Mass.....	250
1BT	Rusack, Sidney L.....	192 Adams St., Lakewood, R. I.....	48
1RR	Rusk, Ian M.....	West Townsend, Mass.....	250
1HV	Ryan, James A.....	13 Knowlton St., Somerville, Mass.....	100
1WT	Salzgeber, John W.....	81 W. Main St., Ivoryton, Conn.....	100
1WH	Sam, Chin King.....	17 N. Elm St., Waterbury, Conn.....	.....
1DX	Sandreuter, Stuart.....	Stamford, Conn.....	36
1HL	Sargent, Frederick G.....	Westford, Mass.....	784
1QB	Saunders, George B.....	52 Francis St., Boston, Mass.....	100
1WR	Sawtelle, Donald F.....	184 Gilbert Ave., New Haven, Conn.....	24
1HK	Sayward, Lyman W.....	253 Belmont St., Quincy, Mass.....	440
1VX	Schmidt, Paul.....	54 Oak St., Hartford, Conn.....	280
1DH	Schrump, Francis E.....	58 Fairview St., New Britain, Conn.....	10
1AH	Schultz, W. R.....	3 Hawks Ave., Eastport, Me.....	250
1LM	Scott, Kenneth G.....	27 E. Allston St., Somerville, Mass.....	100
1LT	Scott, Ralph A.....	952 Franklin St., Melrose Highlands, Mass.....	250
1NO	Sharpe, Floyd H.....	260 Tinkham Ave., New Bedford, Mass.....	250
1IU	Shattuck, George E.....	227 Broad St., North Attleboro, Mass.....	50
1BN	Shaw, Raymond H.....	10 E. Washington St., Rutland, Vt.....	21
1DC	Sheehan, Walter J.....	40 Terrace Ave., Waterville, Conn.....	1,000
1AV	Sherman, Calvin A.....	80 Camden St., Rockland, Me.....	20
1GG	Shirt, Arthur G.....	18 Augustus St., Fall River, Mass.....	360
1RX	Shorey, G. Faxon.....	249 Grove St., Melrose, Mass.....	12
1SA	Sias, Cyril W.....	246 Oakland St., Springfield, Mass.....	24
1WO	Simkin, Colin.....	44 High St., Hartford, Conn.....	660
1HD	Simmonds, Earle G.....	185 S. Main St., Attleboro, Mass.....	25
1DF	Simsbury High School.....	Simsbury, Conn.....	300
1RQ	Sistare, Donald B.....	48 Forest St., Springfield, Mass.....	36
1VI	Slawson, Spencer W.....	Brookside Drive, Greenwich, Conn.....	250
1JH	Sleeper, Dorman D.....	327 Broadway, South Boston, Mass.....	100
1AD	Smith, Edward S. C.....	55 South St., Biddeford, Me.....	100
1OO	Smith, Kirk E.....	300 Park St., West Springfield, Mass.....	250
1VT	Smith, Lewis J.....	112 Chestnut St., Norwich, Conn.....	160
1EK	Snow, Albert E.....	Orleans, Mass.....	80
1JF	Snow, Albert E.....	30 Carry Ave., Chelsea, Mass.....	715
1GA	Snow, Harold C.....	41 Paradise Rd., Swampscott, Mass.....	250
1RT	Snow, Raymond A.....	19 Gage St., Needham, Mass.....	100
1BJ	Somerville, Paul S.....	32 Cliff St., St. Johnsbury, Vt.....	250
1TT	Soney, Henry C.....	292 Oxford St., Providence, R. I.....	180
1OV	Southwick, Arthur M.....	176 Waban Ave., Waban, Mass.....	45
1TE	Sparrow, Edward C.....	Jamestown, R. I.....	500
1QX	Spaulding, Ralph H.....	14 Alberta Ter., Cambridge, Mass.....	100
1QT	Sperling, John G., jr.....	23 County St., Ipswich, Mass.....	100
1FG	Spinney, Charles E.....	24 Winter St., Sanford, Me.....	500
1EN	Spring, Joseph H.....	Newton Lower Falls, Mass.....	250
1OW	Stackhouse, Walter T.....	86 Crescent Ave., Revere, Mass.....	500
1AA	Stackpole, Leroy E.....	53 River St., Sanford, Me.....	450

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
ITU	Stackpole, Nelson B.	725 Mineral Spring Ave., Pawtucket, R. I.	Watts. 250
IVR	Stagg, Uberto K.	Noroton Heights, Conn.	10
IWP	Stallworth, Henry H.	50 Liberty St., Hartford, Conn.	8
IGZ	Stansfield, Arthur C.	17 Montgomery St., Lawrence, Mass.	40
IIB	Stanyan, Starr W.	76 Boston Ave., West Medford, Mass.	500
1LU	Staples, Loyed E.	145 Matfield St., East Bridgewater, Mass.	20
ITQ	Stark, William H.	258 Ives St., Providence, R. I.	100
1NM	Starkweather, John B.	17 Gibson Rd., Newtonville, Mass.	250
1DL	Steele, Maitland.	1202 Park St., West Hartford, Conn.	275
1RW	Steeves, Arthur.	260 Brighton Ave., Boston, Mass.	60
1LN	Sterling, Roy.	21 Coral St., Lowell, Mass.	100
1CA	Stimson, Robert C.	New London, N. H.	40
1IZ	St. James, Robert T.	38 Avery Lane, Great Barrington, Mass.	775
1QI	St. James, Vincent.	258 1st St., Pittsfield, Mass.	770
1QU	Stolba, Nestor W.	171 Mt. Vernon St., Fitchburg, Mass.	100
1BL	Stone, Clayton P.	14 Portland St., St. Johnsbury, Vt.	100
1EI	Strang, Paul S. & Olin T.	58 N. Beacon St., Allston, Mass.	150
1OQ	Struthers, Francis W.	Townsend, Mass.	440
1BG	Stuart, Hamilton C.	12 Main St., St. Johnsbury, Vt.	500
1CE	Sturtevant, Foster E.	60 S. State St., Concord, N. H.	440
1NF	Sutcliffe, Raymond S.	29 Foster St., Fall River, Mass.	50
1TW	Sweet, George A., jr.	14 Washington St., Central Falls, R. I.	550
1CN	Swift, Leo M.	109 Hancock St., Whitman, Mass.	180
1AK	Tabbut, Arthur R.	6 1st South St., Bar Harbor, Me.	250
1KR	Tarr, A. Myron.	Gloucester, Mass.	100
1OX	Tarr, Melville S.	45 Parker St., Chelsea, Mass.	100
1BZ	Taylor, George F.	Kennebunk, Me.	1,000
1OD	Taylor, Walter A.	73-A Cross St., Somerville, Mass.	120
1QD	Therrien, Arthur J.	213 Walnut St., Lynn, Mass.	50
1RH	Thompson, James H.	319 South Ave., Whitman, Mass.	100
1UI	Thornley, Howard W.	7 Belmont St., Pawtucket, R. I.	300
1TD	Tilley, Henry II.	5 Dartmouth St., Newport, R. I.	100
1EA	Tillinghast, George II.	373 Knight St., Providence, R. I.	300
1OP	Tillson, Francis M.	67 Dover St., Whitman, Mass.	640
1JN	Towne, Harold M.	55 Edward Ave., Pittsfield, Mass.	20
1HB	Travis, Gerald E.	63 Tracey Ave., Lynn, Mass.	20
1NP	Travis, Gerald E.	38 Montebello Rd., Jamaica Plain, Mass.	250
1LV	Tufts, J. Warren.	11 Clarendon Ave., West Somerville, Mass.	500
1JJ	Tufts Wireless Society.	Medford, Mass.	100
1UK	Tutin, Kenneth A.	312 Blackston St., Woonsocket, R. I.	18
1JW	Tuttle, William O.	146 Pearl St., Somerville, Mass.	105
1OI	Tyrell, Alanson B.	8 Ellis Ave., Medford, Mass.	100
1KV	Veeder, Chester F.	Goswold, Mass.	100
1VB	Verbyla, Albert E.	7 Center St., Danbury, Conn.	30
1VS	Viets, Grohman.	East Granby, Conn.	125
1PF	von Colln, Gustaf.	44 Flynt St., Quincy, Mass.	500
1SM	Wadland, Victor N.	16 Lynde Ave., Melrose, Mass.	100
1QC	Wadsworth, Arthur G.	Eastham, Mass.	250
1VE	Walker, Alva S.	69 Dearfield Drive, Greenwich, Conn.	150
1IV	Walker, Edward C., 3d.	60 Fenway St., Boston, Mass.	45
1KC	Wallace, Ralph II.	1192 Morton St., Dorchester, Mass.	10
1JM	Walter, Elmer H.	39 Cleveland St., Melrose, Mass.	100
1BW	Walton, Harold F.	104 Elm St., Montpelier, Vt.	500
1TC	Ward, J. Stedman.	16 John St., Newport, R. I.	300
1IP	Ware, Stanley P.	75 Winthrop St., Everett, Mass.	250
1MU	Warren, Bertram E.	103 Lexington St., Waltham, Mass.	200
1JI	Watson, Paul W.	17 Waverly St., Everett, Mass.	16
1EB	Watson, William F., jr.	112 2d St., Newport, R. I.	

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
1FZ	Weber, John H.....	12 Russell St., Lewiston, Me.....	83
1CL	Webster, Fullerton D....	12 Hampshire St., Everett, Mass.....	200
1CR	Wellington, Ellsworth...	Lunda St., Waltham, Mass.....	150
1PP	Welsh, Michael J.....	98 Tremont St., Melrose, Mass.....	15
1PH	Werner, Gustave A. F....	73 Hollingsworth St., Lynn, Mass.....	250
1RV	West, Howard E.....	63 Chestnut Hill Ave., Brighton, Mass...	50
1MZ	White, Dallas E.....	35 Trowbridge St., Cambridge, Mass.....	100
1BE	White, Earle B.....	Belfast, Me.....	100
1QW	White, Thomas C.....	53 Perkins Ave., Malden, Mass.....	20
1PD	Whittier, Ellerton W....	63 Terrace Ave., Winthrop, Mass.....	330
1DQ	Wilbur, Arthur E.....	61 Otis St., Norwich, Conn.....	260
1GW	Wiley, James D.....	1548 Beacon St., Waban, Mass.....	36
1BC	Wilson, Walter F.....	27 Grand St., South Portland, Me.....	150
1GF	Wolf, Charles F., jr.....	62 Division St., Pittsfield, Mass.....	40
1MM	Wood, Manson E.....	14 Armory St., Wakefield, Mass.....	100
1BD	Woodhead, Edward F....	56 Summer St., Lewiston, Me.....	100
1RL	Wright, Wendell L.....	114 Exchange St., Rockland, Mass.....	250
1CO	Young, Sumner B.....	294 Ashmont St., Dorchester, Mass.....	50
1DG	Yvon, Robert C.....	543 Stanley St., New Britain, Conn.....	24
1PS	Zahn, Edward G.....	11 Enfield St., Jamaica Plain, Mass.....	21
1MD	Ziegler, Alfred A., jr...	36 Greenough Ave., Jamaica Plain, Mass..	250
1OY	Zwinge, Conrad J.....	776 Winthrop Ave, Revere, Mass.....	250

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
1AA	Stackpole, Leroy E.	1BH	Martineau, E. Joseph.
1AB	Marden, Frank O.	1BI	Castner, Harold W.
1AC	Brown, Orlando W.	1BJ	Somerville, Paul S.
1AD	Smith, Edward S. C.	1BK	Morse, Walter J.
1AF	Kelsey, Donald L.	1BL	Stone, Clayton P.
1AG	Ray, Charles H.	1BM	Lomnitz, Frank W.
1AH	Schultz, W. R.	1BN	Shaw, Raymond H.
1AI	Perry, Horace R.	1BO	Reed, Sherman A.
1AJ	Fabbr, Alessandro.	1BP	Mills, Bruce M.
1AK	Tabbut, Arthur R.	1BQ	Hackett, Harry S.
1AL	Anderson, Harold W.	1BR	Robinson, B. C.
1AN	Pratt, Rhama W.	1BS	Rolph, Henry D.
1AO	Pickles, Joseph A.	1BT	Rusack, Sidney L.
1AP	Johnson, Ernest B.	1BU	Hoyt, Lowell P.
1AQ	Claffin, Harold M.	1BV	Cusick, Howard.
1AR	Rich, Marion.	1BW	Walton, Harold F.
1AS	Rochelau, William H.	1BX	Courtney, Frank T.
1AT	Lawford, Arthur H.	1BY	Lyman, Reginald P.
1AU	Burns, James L.	1BZ	Taylor, George F.
1AV	Sherman, Calvin A.		
1AW	Ham, Earle G.	1CA	Stimson, Robert C.
1AX	Davies, Orel E.	1CB	Hayes, Ralph S.
1AY	Hatch, James F.	1CC	Robert, Fortuna.
		1CD	Hitchcock, William H.
1BA	Fitts, Harold W.	1CE	Sturtevant, Foster E.
1BB	Gavett, Andrew W.	1CG	Godfray, Carlton T.
1BC	Wilson, Walter F.	1CI	Gray, Walter B.
1BD	Woodhead, Edward F.	1CJ	Hillson, Robert E.
1BE	White, Earle B.	1CK	Onens, Clarence E.
1BF	Gates, Paul H.	1CL	Webster, Fullerton D.
1BG	Stuart, Hamilton C.	1CM	McLane, Henry R.

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—
Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1CN	Swift, Leo M.	1EV	Almquist, Fritz A.
1CO	Young, Sumner B.	1EW	Phelan, Lawrence T.
1CP	Reynolds, Walter W.	1EX	Haley, James A.
1CQ	Reed, Coleman C.	1EY	Haffcke, Philip M.
1CR	Wellington, Ellsworth.	1EZ	Revere High School.
1CS	Furlong, Joseph.		
1CT	Belmont High School.	1FA	Gould, Charles D.
1CU	McKay, Preston L.	1FB	Knowlton, Henry E.
1CV	Meirowitz, Harry.	1FC	Baker, C. Hall.
1CX	McIntosh, Harold W.	1FD	Burdwood, Otho R.
1CY	Kelley, Lawrence E.	1FE	Robinson, Laurence B.
1CZ	Bean, Harold W.	1FF	Lowell, Philip E.
		1FG	Spinney, Charles E.
1DA	Bacon, Harold L.	1FH	McIntyre, Harris B.
1DB	Peterson, Hans C. W.	1FI	Bernier, Walter J.
1DC	Sheehan, Walter J.	1FJ	Meggison, Wilbur P.
1DD	Robillard, Paul.	1FK	Hatch, Roland J.
1DE	Cowles, Willard B.	1FL	Clark, William T.
1DF	Simsbury High School.	1FM	Meggison, Forrest L.
1DG	Yuon, Robert C.	1FN	Knowlton, Dean W.
1DH	Schrump, Francis E.	1FO	Haley, Osmon.
1DI	Haugh, Charles J., jr.	1FP	Coombs, George T.
1DJ	Cole, George E.	1FQ	Macomber, Leroy W.
1DK	Benoit, Ralph J.	1FR	Merrow, Elmer R.
1DL	Steele, Maitland.	1FS	Nash, William A.
1DM	Dewey, Kenneth C.	1FT	Ackley, Edward P.
1DN	Balcom, Loris L.	1FU	Nicholson, James H.
1DO	Nelson, Nels N.	1FV	Hill, Harold F.
1DP	Himes, Norman E.	1FW	Beverage, Harold H.
1DQ	Wilbur, Arthur E.	1FX	Griffin, Stephen A.
1DR	Pranitis, George S.	1FY	Carles, Reginald C.
1DS	Ostlund, Axel F.	1FZ	Weber, John H.
1DT	Edgerly, Albert H., jr.		
1DU	Frost, Russell S.	1GA	Snow, Harold C.
1DV	Fiek, Leonard D.	1GB	Jaques, Louis A.
1DW	Fairchild, Charles R.	1GC	Chadwick, Gilbert L.
1DX	Sandreuter, Stuart.	1GD	Lane, Frederic A.
1DY	Redick, Kenneth T.	1GE	Cressy, Dustin G.
1DZ	Didsbury, Wallace E.	1GF	Wolf, Charles F., jr.
		1GG	Shirt, Arthur G.
1EA	Tillinghast, George H.	1GH	Nickerson, Arthur B.
1EB	Watson, William F.	1GI	Higgins, Charles A.
1EC	Cosgrove, Fred J.	1GJ	Bradbury, Lawson E.
1ED	Hardy, Rodney C.	1GL	Howe, Bradford L.
1EE	Larsen, Reidar.	1GM	Allen, J. Wyman.
1EF	Bixby, Harold O.	1GN	Dyson, John F.
1EG	Meirowitz, David.	1GO	Morton, Sidney.
1EH	Bloom, Philip H.	1GP	Marsh, Albert A.
1EI	Strang, Paul S. and Olin T.	1GQ	Dunbar, Atherton K.
1EJ	Robinson, Philip F.	1GR	Robinson, Henry S.
1EF	Snow, Albert E.	1GS	Hardy, Wilbur H.
1EL	Rosenbloom, William.	1GT	Cummings, Francis H.
1EM	Peterson, Alexander H.	1GU	Baumann, Howard.
1EN	Spring, Joseph H.	1GV	Gavill, Wilbur W.
1EO	Blanchard, Chester T.	1GW	Wiley, James D.
1EP	Crocker, Edmund P.	1GX	French, Walter B.
1EQ	Farnum, Willis H.	1GY	Robbins, Harold H.
1ER	McCurdy, Bruce H.	1GZ	Stansfield, Arthur C.
1ES	Deering, Frederick A.		
1ET	Dodge, Joseph B.	1HA	Blanchard, Raymond C.
1EU	Merrill, Donald F.	1HB	Travis, Gerald E.

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1HC	Cheetham, Henry R.	1JP	Knapp, Everett L.
1HD	Simmonds, Earle G.	1JQ	Hoffman, Frank E.
1HE	Lynde, Kenneth R.	1JR	Ruggles, Clifford L.
1HF	Gardner, Chester R.	1JS	Powers, Leonard S.
1HG	Cogswell, George R.	1JT	Farmer, Edward E.
1HH	Bushee, Ward H.	1JU	Cooke, Grover C.
1HI	Burke, Alan W.	1JV	Chisholm, Chesleigh C.
1HK	Sayward, Lyman W.	1JW	Tuttle, William O.
1HL	Sargent, Frederick G.	1JX	Rinaldi, Henry L.
1HM	Hammitt, Herbert M.	1JY	Herland, John N.
1HN	Anderson, Daniel H.	1JZ	Lanouette, Kenneth H.
1HO	Bergmann, Malcom P.		
1HP	Cromack, N. G. N.	1KA	Jepson, Warren F.
1HR	Elliott, Thomas H., jr.	1KB	Edwards, Ralph E.
1HU	Karl, Henry J.	1KC	Wallace, Ralph II.
1HV	Ryan, James A.	1KD	David, Harold E.
1HW	Munroe, Henry W. T.	1KE	Priest, Holden C.
1HY	Bennett, Lawrence S.	1KF	Pennypacker, Thomas R.
1HZ	Duncan, Harrie E.	1KG	Allen, Franklin.
		1KH	Lally, Charles A.
1IA	Richmond, Harold B.	1KI	Loring, Wilfred B.
1IB	Stanyan, Starr W.	1KJ	Anderson, Arvid E.
1IC	Keller, Adrian C.	1KK	Pettey, Raymond A.
1ID	Kehoe, Francis.	1KM	Meekin, William J.
1IE	Paton, Raymond.	1KN	Froberger, Laurence G.
1IF	Leighton, Harold M.	1KO	Bowen, Harold C.
1IG	Patten, Ernest L. O.	1KP	Fuller, Perry D.
1IH	Fuller, Clarence C.	1KQ	Armstrong, James B.
1II	Jennings, W. Francis, jr.	1KR	Tarr, A. Myron.
1IJ	Fassitt, Andrew J., jr.	1KS	Boy Scouts of America, Troop I, Reading, Mass.
1IK	Dallin, Edwin B.	1KT	Knight, Oscar F.
1IL	Pierce, Robert.	1KU	Bowen, Earl H.
1IM	Macondald, Erving L.	1KV	Veeder, Chester F.
1IN	Lamson, Horatio W.	1KW	Beering, Herbert A.
1IO	Mosher, Clifton E.	1KX	Batcheller, Arthur.
1IP	Ware, Stanley P.	1KY	Canfield, Donald T.
1IR	Butterfield, George W.	1KZ	Nichols, John S.
1IS	Leach, George F.		
1IT	Canning, Richard H.	1LA	Remington, Kenneth F.
1IU	Shattuck, George E.	1LB	Blume, Carl T.
1IV	Walker, Edward C., 3d.	1LC	Bowen, Arthur N.
1IW	Beckvold, Melvin P.	1LD	Isherwood, William L.
1IX	Ohlson, Olof.	1LE	Corney, Chester A.
1IY	Baxter, Horace M.	1LF	Barrett, Bradford L.
1IZ	St. James, Robert T.	1LG	Ballou, Willis H.
		1LH	Dickson, William E.
1JA	Nock, Herbert T.	1LI	Dwight, Harrison W.
1JB	Hovenden, Herbert C.	1LK	Haskins, Frederic C.
1JC	Parker, John A.	1LL	Justice, Francis C.
1JD	Collins, W. Lovejoy.	1LM	Scott, Kenneth G.
1JE	Bushway, George F.	1LN	Sterling, Roy.
1JF	Snow, Albert E.	1LO	Donovan, Arthur B.
1JG	Pratt, Fearing.	1LP	Knight, Hugh C.
1JH	Sleeper, Dorman D.	1LQ	Bennett, William F., jr.
1JI	Watson, Paul W.	1LR	Brigham, Everett R.
1JJ	Tufts Wireless Society.	1LS	Runey, Leon C.
1JK	Batchelder, Hugh M.	1LT	Scott, Ralph A.
1JL	Gahm, Sebastian, jr.	1LU	Staples, Loyed E.
1JM	Walter, Elmer H.	1LV	Tufts, J. Warren.
1JN	Towne, Harold M.	1LW	Jackson, Edward W.
1JO	Campbell, James S.		

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—
Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1LX	McMahon, William G.	10H	Flanders, Fred F.
1LY	Moulton, Albert B.	10I	Tyrrell, Alanson B.
1LZ	Murphy, Dudley B.	10J	Beecher, George E.
1MA	Irwin, Samuel D.	10M	Payson, Gilbert R., jr.
1MB	Boudette, Clayton G.	10N	Readio, George U.
1MC	Baylies, Milton A.	10O	Smith, Kirk E.
1MD	Ziegler, Alfred A., jr.	10P	Tilleon, Francis M.
1ME	Angell, Otis P.	10Q	Struthers, Francis W.
1MG	Goodwin, A. R.	10S	Copland, H. Depew.
1MH	Griffin, Barte J., jr.	10T	Heap, Sheldon S.
1MI	Birdsall, Elmer S.	10V	Southwick, Arthur M.
1MJ	Judkins, Nathaniel B.	10W	Stackhouse, Walter T.
1MK	Johnson, Thurston A.	10X	Tarr, Melville S.
1ML	Lyon, William H.	10Y	Zwinge, Conrad J.
1MM	Wood, Manson E.	10Z	Doe, Charles S.
1MN	Pennell, Leon	1PC	Drake, Ervin T., jr.
1MO	Ostrander, Freeman K., jr.	1PD	Whittier, Ellerton W.
1MP	Purcell, Clarence V.	1PF	von Colln, Gustaf.
1MQ	Jewett, Leroy R.	1PH	Werner, Gustave A. F.
1MR	Roddin, Thomas.	1PI	Knight, Maurice E.
1MS	Rowell, Kendall B.	1PJ	Pratt, Walter L.
1MU	Warren, Bertram E.	1PK	Loheed, William J., jr.
1MV	Caldwell, George W.	1PM	Hartwell, E. G.
1MW	Linn, Harold W.	1PO	Reed, Leslie S.
1MX	Batchelder, Earl C.	1PP	Welsh, Michael J.
1MY	Eales, Malcolm A. L.	1PS	Zahn, Edward G.
1MZ	White, Dallas E.	1PT	Clayton, Henry C.
1NA	Andonegui, Lane.	1PU	Fearing, Sumner E.
1NB	Blanchard, Ralph N.	1PV	Folsom, Rolfe A.
1NC	Ekwall, George O.	1PX	Murphy, Harry J.
1ND	Bellis, Clifford B.	1PY	Pulley, Lester A.
1NE	Coleman, Benj. B. B.	1PZ	Ranlett, Frederick J., jr.
1NF	Sutcliffe, Raymond S.	1QA	Nyquist, Norman A.
1NG	Marshall, T. Stanley.	1QB	Saunders, George B.
1NH	Hilliard, Dana S.	1QC	Wadsworth, Arthur G.
1NI	Bailey, Stanley M.	1QD	Therrien, Arthur J.
1NJ	Greeley, Francis B.	1QE	Chace, Myron D.
1NK	Coogan, Thomas P.	1QF	Nash, Paul.
1NL	Curtis, Samuel	1QG	Edmester, Earle C.
1NM	Starkweather, John B.	1QH	Melvin, Arthur W.
1NN	Ingalls, George A.	1QI	St. James, Vincent.
1NO	Sharpe, Floyd H.	1QK	Black, William R.
1NP	Travis, Gerald E.	QM	Proulx, George H.
1NQ	Getchell, Melvin D.	1QN	Bowditch, Frederic C., jr.
1NR	Gerrish, Kenneth B.	1QO	Morton, Adelbert R.
1NS	Hyde, Irving B.	1QP	Holt, Clarence G.
1NT	Lynch, John P.	1QQ	McGrath, Joseph L.
1NU	Campbell, Harold G.	1QR	Clark, Wesley C.
1NW	McDermott, Joseph H.	1QT	Sperling, John G., jr.
1NX	Garfield, Harold E.	1QU	Stolba, Nestor W.
1NY	Lovis, Donald B.	1QV	Heyman, Harry.
1NZ	Leutz, Charles R.	1QW	White, Thomas C.
1OA	Kenison, Arthur C.	1QX	Spaulding, Ralph H.
1OB	Daggett, Royal S.	1QZ	Danehy, Edward J.
1OC	Gisburne, Edward A.	1RA	Howard, George E.
1OD	Taylor, Walter A.	1RB	Murphy, Denis L.
1OE	Hamiltin, Charles F.	1RC	Papkee, Edward D.
1OF	Eldredge, Clarence R.	1RD	Ericson, Arthur E.

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—
Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1RE	MacLeod, Charles M.	1TO	Newton, Raymond C.
1RF	Pennypacker, Thomas R.	1TP	Jensen, Leonard C.
1RG	Buffinton, William H.	1TQ	Stark, William H.
1RH	Thompson, James H.	1TR	Briggs, Darrah.
1RI	Gawler, H. C.	1TS	Clarkson, Charles N.
1RJ	Drew, William E.	1TT	Soney, Henry C.
1RK	Johnson, Elmer O.	1TU	Stackpole, Nelson B.
1RL	Wright, Wendell L.	1TV	Hale, Edward E.
1RM	Clements, William B.	1TW	Sweet, George A., jr.
1RN	Ege, John.	1TY	Champlin, Albert R.
1RO	Fernald, Wilder A.	1TZ	Lisker, William.
1RP	Randall, Eugene F.		
1RQ	Sistare, Donald B.	1UA	Hargraves, Harold T.
1RR	Rusk, Ian M.	1UB	Pease, Reginald M.
1RT	Snow, Raymond A.	1UD	Gates, Harold S.
1RU	Norcross, Warren.	1UE	Jette, George E.
1RV	Weat, Howard E.	1UG	Bigelow, Fred C.
1RW	Steeves, Arthur.	1UH	Lear, George F.
1RX	Shorey, G. Faxon.	1UI	Thornley, Howard W.
1RY	Newcomb, Roland D.	1UK	Tutin, Kenneth A.
1RZ	Gallagher, Edward J.	1UL	Allen, Edwin B.
		1UM	Flint, Carl O.
1SA	Sias, Cyril W.	1UN	Pekham, J. Wallace.
1SB	Brock, William C.	1UO	Doyle, John B.
1SC	Lipson, Edward.	1UP	Classical High School.
1SD	Oliver, Herbert W.	1UQ	Barth, Karl E.
1SE	Phillips, Henry D.	1UT	Gavitt, Lester E.
1SF	Garrett, John D.	1UU	Clark, Robert S.
1SG	Rice, Ralph W.	1UV	Perry, Foster N.
1SH	Parmelee, Albert O.	1UW	Ellis, John W.
1SI	Alger, James W.	1UX	Hull, Elliott B.
1SJ	Coit, Jeffery V.	1UZ	Learned, Alpha A.
1SK	Geer, Laurence P.		
1SL	Bearse, Edwin W.	1VA	Hendrickson, Verner A.
1SM	Wadland, Victor N.	1VB	Verbyla, Albert E.
1SN	Colton, Robert H.	1VE	Walker, Alva S.
1SO	Cash, Wilson H.	1VH	Lawson, Allan.
1SP	Bayliss, Joseph.	1VI	Slawson, Spencer W.
1SQ	Hayes, Clifford R.	1VL	Belknap, Edward L.
1SR	Robinson, Alfred L.	1VM	Angelo, Anthony A.
1SS	Gawler, Leonard M.	1VN	Miner, Robert S.
1ST	Decker, J. Raymond.	1VO	Haskell, Shirley D.
1SU	O'Brien, David W.	1VQ	Horsfall, George W.
1SV	Burton, H. R.	1VR	Stagg, Uberto K.
1SW	Hersey, Ralph H.	1VS	Viets, Grohman.
1SX	Moore, George M.	1VT	Smith, Lewis J.
1SZ	Hayward, Edward E., jr.	1VU	Morse, Harold J.
		1VV	Gillespie, Eugene.
1TA	Anderson, Caleb J.	1VW	Delage, George C.
1TB	Mulvihill, Francis A.	1VX	Schmidt, Paul O.
1TC	Ward, J. Stedman.	1VY	Pember, Harold N.
1TD	Tilley, Henry H.	1VZ	Butler, James T.
1TE	Sparrow, Edward C.		
1TF	Allenson, George T.	1WA	Bueb, John J., jr.
1TG	Manchester, Arthur W.	1WC	Coleman, William F.
1TH	Manuel, Lloyd.	1WD	Holbrook, Richard F.
1TI	Horgan, T. Francis.	1WE	Baldwin, James P.
1TJ	Johnson, Alexander R.	1WG	Clark, Bradford J.
1TL	Flint, Carl O.	1WH	Sam, Chin King.
1TN	Mahoney, Charles J.	1WJ	Barrett, John H.

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1WK	Palmer, Rae C.	1WS	Hitchcock, Howard A.
1WL	Chase, Harry.	1WT	Salzgeber, John W.
1WM	Hunn, Edward B.	1WU	Loomis, Harold C.
1WN	Neuhaus, Theodore F.	1WV	Blanke, Donald C.
1WO	Simkin, Colin.	1WW	Maurer, Frank T.
1WP	Stallworth, Henry H.	1WX	Powell (Miss), Cecil.
1WQ	Conner, John A.	1WY	Hoggeson, Wallace.
1WR	Sawtelle, Donald F.	1WZ	Bradlin, Jack H.

SECOND DISTRICT.

[Headquarters: Customhouse, New York, N. Y. The second district comprises the States of New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Schenectady, Albany, and Rensselaer) and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson, and Ocean).]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
2AEF	Abrams, Milton F., jr . . .	386 Scranton Ave., Lynbrook, N. Y.	300
2AA	Adams, Everett L.	22 Stockton St., Bloomfield, N. J.	250
2TQ	Adams, E. William, jr.	392 Franklin St., Bloomfield, N. J.	12
2LX	Adelphi College.	St. James and Clifton Pl., Brooklyn, N. Y.	500
2AA Y	Adickes, Ernest D.	173 W. Ridgewood Ave., Ridgewood, N. J.	770
2VQ	Agnoli, Justus J.	16 Purvis St., Long Island City, N. Y.	12
2VG	Ahrens, Harry E.	794 Gravesend Ave., Brooklyn, N. Y.	250
2LA	Alfaro, Richard F.	730 Riverside Drive, New York, N. Y.	880
2US	Allstrom, F. Condit.	46 Chestnut St., East Orange, N. J.	360
2WI	Anderson, Robert N.	353 Warburton Ave., Yonkers, N. Y.	30
2MM	Apgar, Charles E.	549 Carleton Rd., Westfield, N. J.	450
2UR	Arary, Leo.	123 W. 112th St., New York, N. Y.	500
2IP	Ashmall, William E., jr.	11 Pavonia Ave., Arlington, N. J.	250
2MR	Atwater, Frank G., jr.	1562 E. 15th St., Brooklyn, N. Y.	100
2NY	Austrian, Ralph B.	49 St. Nicholas Ter., New York, N. Y.	450
2RW	Baily, Hobart W.	Harrison, N. Y.	165
2LO	Baker, William N.	881 Montgomery St., Jersey City, N. J.	20
2GM	Ballard, J. Adams.	73 Macon St., Brooklyn, N. Y.	24
2BD	Banta, Theodore C.	76 Walnut St., Ridgewood, N. J.	16
2PC	Barriette, Samuel L.	311 Macon St., Brooklyn, N. Y.	30
2GB	Bartlett, Bernard W.	507 Westfield Ave., Westfield, N. J.	500
2LF	Bartlett, Charles H.	774 Jefferson Ave., Brooklyn, N. Y.	12
2VP	Bartsch, Henry W.	130 Cedar St., Kington, N. Y.	15
2CJ	Bathgate, Walter E.	102 High St., Passaic, N. J.	60
2ADV	Bazensky, Joseph I.	307 Berriman St., New York, N. Y.	30
2AFZ	Beaton, John D., jr.	1183 Clay Ave., New York, N. Y.	50
2EJ	Bechtloff, Claude B.	106 Walnut St., Ridgewood, N. J.	500
2BN	Beebe, L. S.	1143 Albany St., Schenectady, N. Y.	800
2ACX	Beeken, William S.	Fanwood, N. J.	500
2MV	Bell, Arthur E.	92 Elizabeth St., West New Brighton, N. Y.	32
2WN	Beller, William A. G.	588 Essex St., Brooklyn, N. Y.	90
2AGA	Belsky, Walter.	1134 Findlay Ave., New York, N. Y.	20
2LQ	Belt, Charles B.	145 W. 57th St., New York, N. Y.	100
2LL	Benedict, Alonzo R.	Newburgh, N. Y.	48
2HB	Bennett, Russell W.	Fair Haven, N. J.	9
2TE	Bentzig, Victor H.	165 Woodmere Pl., Richmond Hill, N. Y.	20
2PN	Berger, H. C. V. B.	33 Pennington Ave., Passaic, N. J.	550
2AFB	Berlin, Benjamin.	1252 Flatbush Ave., Brooklyn, N. Y.	220

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
2QS	Bernard, James L.	2523 Ditmas Ave., Brooklyn, N. Y.	24
2NT	Bernstein, Arthur W.	220 1st Ave., Mt. Vernon, N. Y.	54
2MS	Berri, Herbert.	497 E. 17th St., Brooklyn, N. Y.	500
2LB	Bertine, Edwin K.	57 S. 2d Ave., Mt. Vernon, N. Y.	220
2MN	Betts, Philander H.	238 Valley Rd., Montclair, N. J.	20
2JZ	Bicak, Edward T.	357 E. 72d St., New York, N. Y.	9
2MU	Bigelman, Herbert C.	139 Springfield Ave., Rutherford, N. J. ....	.....
2ABD	Bilms, Charles A.	86 Clark Ave., Ocean Grove, N. J.	30
2WW	Blackburn, Walter G.	42 Point St., Yonkers, N. Y.	24
2QB	Blackford, Harold W.	220 Park Ave., Plainfield, N. J.	440
2CR	Blauvelt, William M.	198 Main St., Nyack, N. Y.	340
2SP	Bleilevens, Gerhard.	318 33d St., Woodcliff-on-Hudson, N. J.	550
2GI	Bockelmann, Charles F.	1679 42d St., Brooklyn, N. Y.	10
2AFA	Bodkin, Laurence G.	290 Clinton Ave., Brooklyn, N. Y.	15
2JD	Boeder, Arthur R.	3430 Duncomb Ave., New York, N. Y.	1,000
2PY	Bogardus, Henry L.	427 Bergen Ave., Jersey City, N. J.	500
2TP	Bohn, William.	1515 2d Ave., New York, N. Y.	240
2VL	Bond, Arthur M.	274 2d Ave., Newark, N. J.	35
2AEK	Brainard, Edward S.	400 W. Franklin Ave., Ridgewood, N. J.	1,000
2LW	Breen, Thomas J.	353 E. 193d St., New York, N. Y.	30
2AJ	Brenner, Alexander.	995 Westchester Ave., New York, N. Y.	155
2AAS	Brick, Frank K., jr.	50 Avenue B., Bayonne, N. J.	500
2AFC	Broggini, Claud.	2605 8th Ave., New York, N. Y.	15
2CL	Brooklyn Telegraph School.	313 Fulton St., Brooklyn, N. Y.	72
2FU	Brooks, L. Van V.	510 W. 113th St., New York, N. Y.	30
2FF	Brower, Harold S.	19 S. Clinton St., Poughkeepsie, N. Y.	50
2JH	Brown, David S., jr.	206 W. 86th St., New York, N. Y.	500
2VM	Brown, Philip T.	1808 Grand Concourse, New York, N. Y.	990
2KD	Browne, Walram S.	1565 E. 12th St., Brooklyn, N. Y.	1,000
2JR	Bruce, Edmond.	2049 63d St., Brooklyn, N. Y.	250
2VD	Bruell, Joseph P.	69 S. Lexington Ave., White Plains, N. Y.	880
2AU	Bryan, Chester W.	79 Elm St., Montclair, N. J.	32
2AF	Bryant, Marquis V.	6 S. Highland Ave., Nyack, N. Y.	500
2MH	Buchanan, William F.	128 Market St., Perth Amboy, N. J.	24
2ACN	Bucheister, Morris.	5 W. 117th St., New York, N. Y.	100
2NN	Buck, David E.	42 Grant Ave., Kearney, N. J.	30
2NL	Bucknam, John R.	4 Hemlock Pl., New Rochelle, N. Y. ....	.....
2CT	Bunn, Milo B.	110 Rockland Ave., Yonkers, N. Y.	250
2HK	Burrows, Henry P.	1415 55th St., Brooklyn, N. Y.	24
2ACQ	Cadmus, Le Roy G.	96 Forest Ave., Glen Ridge, N. J.	30
2WK	Caggiano, Carmine J.	245 Pacific St., Brooklyn, N. Y.	12
2RL	Camp, Victor F.	Brightwaters, N. Y.	1,000
2ES	Campbell, Robert, jr.	117 Marshall St., Elizabeth, N. J.	180
2SX	Cannon, George C.	183 Drake Ave., New Rochelle, N. Y.	1,000
2QK	Caskey, Kenneth B.	415 Ft. Washington Ave., New York, N. Y.	275
2ADB	Cawman, David L.	1531 Sewell Ave., Asbury Park, N. J.	15
2VN	Charles, Chester A.	629 Springdale Ave., East Orange, N. J.	40
2FE	Cheel, Harold W.	35 Corsa Ter., Ridgewood, N. J.	495
2DS	Clark, Le Roy.	Chestnut St., Englewood, N. J.	880
2AAK	Cockaday, Laurence M.	227 Audubon Ave., New York, N. Y.	350
2MY	Cohen, Edwin K.	601 W. 149th St., New York, N. Y.	275
2PS	Cohen, Samuel.	1936 Pitkin Ave., Brooklyn, N. Y.	32
2OS	Cohen, Walter.	2071 5th Ave., New York, N. Y.	440
2ACB	Collinge, James N.	406 Central Park West, New York, N. Y.	36
2TZ	Collins, Frank J.	22 Cedar St., Yonkers, N. Y.	40
2RT	Collinson, Jesse G.	70 Cherry St., West Orange, N. J.	60
2KN	Collison, Percy B.	172 Maple St., Brooklyn, N. Y.	500
2HW	Combes, Rae.	28-A E. 42d St., Bayonne, N. J.	30

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station	Location of station.	Power.
			<i>Watts.</i>
2ADY	Cooper, William S.....	566 53d St., Brooklyn, N. Y.....	24
2HF	Cooto, Charles W.....	240 Audubon Ave., New York, N. Y.....	250
2AQ	Corson, David N.....	51 Berkeley Ave., Newark, N. J.....	300
2IG	Corwin, George E.....	46 Hanford St., Middletown, N. Y.....	10
2LD	Cotter, William F.....	63 Oakland Ave., Jersey City, N. J.....	220
2VK	Covert, James D.....	49 Glenwood Rd., Upper Montclair, N. J.....	300
2IT	Cowles, Charles W.....	140 Innis Ave., Poughkeepsie, N. Y.....	30
2RI	Cowper, Norman C.....	Lynbrook, N. Y.....	275
2AER	Crinnion, Edward T. J.....	63 Mt. Hope Pl., New York, N. Y.....	6
2DP	Crocker, Frank H.....	11 Broadway, Rockville Center, N. Y.....	20
2GJ	Cronmeyer, Edmund G.....	1201 Vyse Ave., New York, N. Y.....	30
2EM	Crosby, Roy C.....	211 W. 148th St., New York, N. Y.....	30
2ADM	Crosby, Warner N.....	Saddle River, N. J.....	32
2ABF	Crozier, Edward A.....	Fair Haven, N. J.....	36
2KJ	Cummings, Frank X.....	2132 Washington Ave., New York, N. Y.....	24
2ADT	Cushman, Charles D., jr.....	137 Davis Ave., New Brighton, N. Y.....	15
2DI	Cyriax, Ernest A.....	219 E. 71st St., New York, N. Y.....	25
2GG	Dahlgren, Birger A.....	1652 41st St., Brooklyn, N. Y.....	18
2BJ	Dahms, Herbert.....	21 Manitou Ave., Poughkeepsie, N. Y.....	30
2CE	Dain, John W.....	313 James St., Peekskill, N. Y.....	880
2AD	Dammers, Albert.....	145 Newell Ave., Rutherford, N. J.....	1,000
2AAI	Dartiguenave, Henry P.....	659 W. 179th St., New York, N. Y.....	.....
2ADP	Davis, Clarence F.....	809 Park Pl., Brooklyn, N. Y.....	12
2CX	Davison, Walter H., jr.....	22 N. Park Ave., Rockville Center, N. Y.....	18
2NA	Dawley, Earle R.....	86 Henry St., Passaic, N. J.....	30
2KK	Day, Howard B.....	555 Mountain Ave., Westfield, N. J.....	758
2OD	Debuchy, Edmund A.....	591-A Summit Ave., West Hoboken, N. J.....	15
2ACJ	de Calahorra, Amadeo S.....	146 W. 65th St., New York, N. Y.....	100
2FC	Decker, Harold A.....	323 Church St., Poughkeepsie, N. Y.....	12
2AFN	Decker, Ralph W. E.....	21 Valley Rd., White Plains, N. Y.....	1,000
2VS	Decker, Ralph W. E.....	7 Odell Ave., White Plains, N. Y.....	1,000
2JX	De Cortin, Gustav A.....	16 Elm St., Mt. Vernon, N. Y.....	30
2HH	Dederick, H. C.....	46 N. 5th St., Hudson, N. Y.....	72
2TL	de Forest, Edward L., jr.....	Garden City, N. Y.....	30
2HQ	Dehler, Adolph.....	144 E. 84th St., New York, N. Y.....	30
2AAB	Deitz, Burr V.....	Slingerlands, N. Y.....	80
2JT	Dennis, Frederick F.....	Fair Haven, N. J.....	36
2AS	De Yoe, Willard L.....	689 Broadway St., Paterson, N. J.....	250
2TC	Dickenson, Henry E.....	91 Greenridge Ave., White Plains, N. Y.....	250
2CN	Dickey, Edward T.....	1649 Amsterdam Ave., New York, N. Y.....	220
2VY	Diehl, John F.....	311 3d Ave., New York, N. Y.....	30
2GY	Dietz, Walter.....	13 Sherman Ave., Yonkers, N. Y.....	12
2AFE	Dix, Harold S.....	115 Harrison Ave., Westfield, N. J.....	250
2ABO	Dodd, H. Hanson.....	131 Clarewill Ave., Upper Montclair, N. J.....	24
2RO	Dodds, Andrew C.....	132 S. Swan St., Albany, N. Y.....	55
2ML	Donovan, Etienne S.....	255 Circuit Rd., New Rochelle, N. Y.....	30
2AV	Dooley, John J.....	751 Linton Ave., New York, N. Y.....	24
2EA	Doty, Walter P.....	478 W. 145th St., New York, N. Y.....	250
2EU	Droste, George T.....	1309 Pugsley Ave., New York, N. Y.....	210
2IY	Dugan, Edward W.....	631 Jersey Ave., Jersey City, N. J.....	15
2TN	Dunham, Clarence L.....	250 Woodlawn Ave., Jersey City, N. J.....	330
2ACV	Dunham, John S.....	22 Buckingham Rd., Brooklyn, N. Y.....	231
2PR	Dynner, Eugene.....	207 26th St., Guttenberg, N. J.....	550
2RG	Earle, William P., jr.....	White Plains, N. Y.....	550
2AI	Eber, John G.....	5505 3d Ave., Brooklyn, N. Y.....	30
2ADE	Eckler, Harry D.....	54 Pleasant Ave., Walden, N. Y.....	30
2QJ	Eckley, Harold J.....	Beechmont Pk., New Rochelle, N. Y.....	50
2PG	Eckstein, William J.....	35 W. 177th St., New York, N. Y.....	500
2JI	Eddy, Leonard E.....	295 Hackensack Rd., Ridgefield Park, N. J.....	30
2AH	Edelman, Abraham.....	952 Liggett Ave., New York, N. Y.....	500

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Watts.</i>
2AEII	Edwards, Joseph B.	236 Linden Ave., Brooklyn, N. Y.	500
2LE	Egolf, Richard S.	1060 41st St., Brooklyn, N. Y.	30
2IQ	Elliott, Paul C.	162 E. 66th St., New York, N. Y.	500
2RG	Elrae Mfg. & Trading Co.	White Plains, N. Y.	550
2EP	Engelhart, Lawrence.	New Dorp, N. Y.	250
2ET	England, George B.	917 St. Nicholas Ave., New York, N. Y.	432
2OC	Erasmus Hall High School.	Flatbush Ave., Brooklyn, N. Y.	250
2ADII	Escrich, James P.	234 Warren St., Jersey City, N. J.	250
2UF	Evens, Arthur F.	246 Emerson Pl., Brooklyn, N. Y.	12
2ABI	Everitt, William L.	724 South St., Peekskill, N. Y.	25
2IC	Faraon, Adolph J.	808 West End Ave., New York, N. Y.	550
2JK	Faraon, Rene J.	808 West End Ave., New York, N. Y.	440
2GD	Farquharson, John S.	540 W. 158th St., New York, N. Y.	230
2IB	Feeney, Walter.	515 McLean Ave., Yonkers, N. Y.	880
2ADQ	Felix, Edgar.	528 Riverside Drive, New York, N. Y.	220
2GA	Felsenheld, James D.	The Armory, East Orange, N. J.	550
2MZ	Ferguson, James B., jr.	331 E. 173d St., New York, N. Y.	30
2AK	Ferris, Howard E.	665 Franklin Ave., Nutley, N. J.	24
2CY	Ferris, Malcolm.	Seaside Park, N. J.	440
2AEM	Fishoff, Louis A.	210 E. 114th St., New York, N. Y.	15
2DD	Fitzgerald, Gordon P.	611 W. 141st St., New York, N. Y.	250
2VU	Flandreaux, Cyrus.	1425 Park St., Peekskill, N. Y.	800
2RU	Fletcher, Jordon J.	Lynbrook, N. Y.	660
2WB	Fogetti, Howard J.	7421 Narrows Ave., New York, N. Y.	102
2OI	Folks, Leslie E.	815 Elton Ave., New York, N. Y.	60
2TB	Ford, Everett J.	318 Randolph Ave., Jersey City, N. J.	12
2QC	Ford, Fullerton.	2479 Bedford Ave., Brooklyn, N. Y.	30
2IR	Foulke, J. Brion, jr.	Babylon, N. Y.	20
2WM	Fowler, Jack B.	676 Lincoln Pl., Brooklyn, N. Y.	24
2KM	Francis, Charles E.	1662 70th St., Brooklyn, N. Y.	18
2WS	Francis, Leo A.	102 Maple Ave., Port Richmond, N. Y.	30
2VZ	Frederick, G. Bentley.	112 Mason St., Schenectady, N. Y.	300
2JN	Freeland, Wilbur W.	34 Baldwin Ave., Newark, N. J.	550
2IX	Freeman, Robert J.	Southampton, N. Y.	30
2VV	French, Edward.	1216 Lincoln Ter., Peekskill, N. Y.	16
2JF	Frey, Anthony C.	370 E. 153d St., New York, N. Y.	8
2PE	Fritch, Vincent J.	939 College Ave., New York, N. Y.	15
2ABE	Frost, Jacob.	1531 2d Ave., New York, N. Y.	60
2VJ	Furman, Robert S.	Bay Shore, N. Y.	60
2GF	Gabrielson, Henry M.	230 53d St., Brooklyn, N. Y.	60
2QG	Gale, Rowland A.	540 W. 158th St., New York, N. Y.	260
2LT	Galvin, Lee R.	193 Fairview Ave., Jersey City, N. J.	18
2UP	Gannon, J. Kimball.	517 Park St., Upper Montclair, N. J.	100
2ABY	Gardner, William E.	Adams, N. Y.	500
2VR	Gassaway, Julian L.	Bay 8th St. and Bath Ave., Brooklyn, N. Y.	24
2FX	Gedney, Ray Van Duyne	25 Columbia Ave., Woodhaven, N. Y.	550
2ADD	Gelina, C. J.	Chatham, N. Y.	250
2AY	Gittelbauer, Frederick.	38 Vreeland St., East Rutherford, N. J.	500
2TV	Glenn, George.	251 E. 236th St., New York, N. Y.	250
2JU	Goette, C. J.	1256 Hatch Ave., Woodhaven, N. Y.	500
2AX	Goldhorn, L. B.	54 11th Ave., Mt. Vernon, N. Y.	500
2AFU	Goll, Robert E.	1710 Caton Ave., Brooklyn, N. Y.	500
2KY	Goodchild Electrical Co.	237 Greenwich St., New York, N. Y.	500
2AAX	Goodell, John B.	106 Loraine Ave., Upper Montclair, N. J.	990
2UN	Graham, Malcolm.	4 Overlook Ave., Ridgewood, N. J.	500
2EB	Gray, Frank F.	Madison Bldg., Montclair, N. J.	1,000
2PV	Grebe, Alfred H.	10 Van Wyck Ave., Richmond Hill, N. Y.	1,000
2BK	Green, Adoniram J.	73 Paterson St., Paterson, N. J.	60

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
2QQ	Green, Irving W.	85 Clerk St., Jersey City, N. J.	20
2LP	Green, Raymond J.	1352 St. Nicholas Ave., New York, N. Y.	200
2KL	Gregory, Arthur V.	197 High St., Perth Amboy, N. J.	250
2BX	Grieshaber, George T.	819 S. 17th St., Newark, N. J.	15
2AGI	Grumbacher, Walter.	Peekskill, N. Y.	60
2ADN	Gutmann, Bernard.	110 Garfield Pl., Brooklyn, N. Y.	20
2HJ	Hadden, Weston.	1716 Albemarle Rd., Brooklyn, N. Y.	460
2KR	Hallenbeck, Charles.	1150 54th St., Brooklyn, N. Y.	50
2UQ	Hallett, E. Douglas.	86 Prospect Pl., Rutherford, N. J.	30
2EN	Halligan, James W.	328 E. 19th St., New York, N. Y.	16
2AFV	Halsey, Edward G., jr.	200 Smith St., Peekskill, N. Y.	20
2CW	Ham, Frank H.	Cornwall-on-the-Hudson, N. Y.	230
2PX	Hamilton, Albert G., jr.	Larchmont, N. Y.	250
2EW	Hamilton, Joseph E.	16 W. Broadway, Port Chester, N. Y.	30
2FK	Hamilton, Ralph.	358 Willet Ave., Port Chester, N. Y.	30
2OA	Hammond, Lester.	2187 Broadway, New York, N. Y.	30
2CQ	Hampe, Bernard A.	137 Cornelia St., Brooklyn, N. Y.	48
2DW	Hansen, Carl A.	130 Weehawken St., West Hoboken, N. J.	32
2AE	Happe, William H.	566 W. 162d St., New York, N. Y.	108
2FQ	Hardwick, Ambrose H.	224 Oakwood Ave., Orange, N. J.	1, 000
2GH	Hardy, Myles.	218 W. 64th St., New York, N. Y.	24
2FZ	Harris, Charles C.	Elliott Pl., Freeport, N. Y.	250
2ACE	Harrison, John B.	112 Broad St., Bloomfield, N. J.	30
2FY	Hartman, Robert.	596 W. 178th St., New York, N. Y.	500
2MA	Hasbrouck, Earl.	Walkill, N. Y.	845
2SM	Hatry, William B.	71 Orange St., Brooklyn, N. Y.	30
2ACW	Hattermuller, Theodore.	34 S. Railroad Ave., Middletown, N. Y.	20
2JC	Hawkins, Ernest W.	224 Depew St., Peekskill, N. Y.	18
2NG	Hayden, Thomas J.	408 W. 150th St., New York, N. Y.	1, 000
2KC	Hayes, Frank X. J.	162 E. 82d St., New York, N. Y.	40
2BM	Heermance, Earle.	523 State St., Hudson, N. Y.	500
2AFJ	Heinsohn, Frederick E.	442 S. 4th Ave., Mt. Vernon, N. Y.	24
2ABB	Held, William J.	110 Elliot Ave., Yonkers, N. Y.	-----
2ABX	Helken, Emil W.	430 Mott Ave., New York, N. Y.	38
2PW	Hellman, Abraham E.	424 E. 138th St., New York, N. Y.	18
2FJ	Helwig, Herman F.	711 E. 18th St., Brooklyn, N. Y.	250
2ACT	Hendricks, Miles S.	Lloyd, N. Y.	27
2FO	Hendrickson, Verner A.	340 Beekman Ave., New York, N. Y.	30
2AT	Herdin, Rudolph.	465 Harrison St., Passaic, N. J.	500
2AFP	Hershey, Raymond.	117 Newell Ave., Rutherford, N. J.	200
2AGJ	Hewitt, John K.	Quail and Bradford Sts., Albany, N. Y.	880
2WE	Heydon, Albert R.	403 Decatur St., Brooklyn, N. Y.	24
2UO	Heyer, Benjamin W.	45 N. Fullerton Ave., Montclair, N. J.	50
2DG	Higgs, Harry Y.	30 Irving Pl., Brooklyn, N. Y.	50
2NU	Hill, William S.	332 Rector St., Perth Amboy, N. J.	48
2LJ	Hoagland, Raymond.	Red Bank, N. J.	520
2AFK	Hocmer, Edwin C., jr.	Catskill, N. Y.	110
2EK	Hoernel, Paul.	Babylon, N. Y.	220
2NS	Hoffman, Paul J.	1688 2d Ave., New York, N. Y.	30
2AFM	Holmes, George.	158th St. & Harlem River, New York, N. Y.	100
2AFO	Holmes, George.	164 W. 146th St., New York, N. Y.	880
2ADW	Homan, Carroll L.	Sayville, N. Y.	7
2NF	Homan, Eber J.	336 52d St., Brooklyn, N. Y.	30
2LY	Hoover, Raymond.	496 Belmont Ave., Newark, N. J.	250
2MP	Hopkinson, Russell.	110 Washington St., East Orange, N. J.	1, 000
2MF	Hoppock, Allen H.	215 Clark St., Westfield, N. J.	500
2NH	Horn, Charles W.	Broadway, Far Rockaway, N. Y.	250
2OJ	Horning, Robert H.	29 Westfield Ave. E., Roselle Park, N. J.	880
2AFW	Hornung, Julius L.	203 E. 64th St., New York, N. Y.	45
2HU	Hotchkiss, Grosvenor.	146 Halsey St., Brooklyn, N. Y.	30

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
2II	Howell, Walter J.....	135 Edgecombe Ave., New York, N. Y....	60
2ABT	Hulse, L. Mortimer.....	9 James St., Middletown, N. Y.....	500
2ADC	Humphreys, Ferdinand.....	319 W. 82d St., New York, N. Y.....	20
2ADL	Hunkins, Carl J.....	123 Hillside Ave., Newark, N. J.....	20
2ACD	Hunter, Thomas F.....	1102 W. 2d Ave., Asbury Park, N. J.....	385
2EG	Hurd, John B.....	Tilton Ave., Red Bank, N. J.....	250
2EF	Hurd, Theodore.....	Tilton Ave., Red Bank, N. J.....	24
2HL	Huyler, Rollin M.....	809 St. Nicholas Ave., New York, N. Y..	50
2AB	Hyde, George G.....	Roslyn, N. Y.....	600
2UJ	Innes, Richard C.....	343 W. 29th St., New York, N. Y.....	60
2NQ	Isaacson, Charles B.....	48 W. 89th St., New York, N. Y.....	660
2LS	Jablousky, William.....	553 E. 134th St., New York, N. Y.....	60
2EX	Jackson, Benjamin B....	188 Montross Ave., Rutherford, N. J....	770
2EE	Jacobs, Charles F.....	279 Park Pl., Brooklyn, N. Y.....	40
2ADU	Jakobson, Irving D.....	370 Senator St., Brooklyn, N. Y.....	36
2IK	Jensen, Martin.....	27 Grant Ave., Yonkers, N. Y.....	500
2VC	Johnson, Theophilus, jr..	17 3d St., Woodside, N. J.....	48
2RV	Johnson, W. Eugene.....	Grant Ave., East Rockaway, N. Y.....	20
2SO	Johnston, James E.....	1379 Clay Ave., New York, N. Y.....	400
2AAL	Johnstone, George W....	235 Rector St., Perth Amboy, N. J.....	30
2OY	Jones, Frank.....	181½ Brunswick St., Newark, N. J.....	24
2AO	Jones, Robert O.....	237 Newark Ave., Bloomfield, N. J.....	32
2BP	Jordan, John Patrick....	333 3d Ave., New York, N. Y.....	24
2AAQ	Judson, Joseph E.....	89 3d St., Keyport, N. J.....	30
2BC	Kaltenbach, Henry J., jr.	150 Alta Ave., Yonkers, N. Y.....	65
2FV	Kaplan, Louis A.....	1348 Boone Ave., New York, N. Y.....	30
2ABH	Kavanagh, John.....	1920 Anthony Ave., New York, N. Y....	12
2VT	Kayser, Herbert.....	41 Convent Ave., New York, N. Y.....	800
2WA	Keers, John K.....	224 81st St., Brooklyn, N. Y.....	250
2QX	Keller, George C.....	2181 Richmond Turnpike, Port Rich- mond, N. Y.	350
2ON	Kellow, James C.....	144 Liberty Ave., Jamiaca, N. Y.....	1, 000
2NJ	Kennedy, Harold J.....	51 Bainbridge St., Brooklyn, N. Y.....	24
2AEQ	Kienzie, Henry A.....	419 E. 79th St., New York, N. Y.....	15
2KX	Kilmer, Theron W.....	165 W. 85th St., New York, N. Y.....	24
2QD	King, Wendell W.....	778 1st Ave., Upper Troy, N. Y.....	550
2FI	Kirkpatrick, Louis W....	317 6th Ave., Newark, N. J.....	12
2AEC	Kleinberger, Richard....	239 Bement Ave., West New Brighton, N. Y.	24
2DH	Knapp, Samuel.....	89-A Cooper St., Brooklyn, N. Y.....	72
2AET	Knopf, Richard.....	3048 Decatur Ave., New York, N. Y.....	108
2VF	Koch, Edward.....	168 Willis Ave., New York, N. Y.....	60
2NP	Koenig, George F.....	4279 Webster Ave., New York, N. Y....	250
2SF	Kollock, Alan S.....	1009 Walker Ave., Woodhaven, N. Y....	36
2AAP	Kollock, Arnett W.....	427 Decatur St., Brooklyn, N. Y.....	24
2BR	Krech, Karl G.....	316 Godwin Ave., Midland Park, N. J....	495
2SQ	Kreeft, Raymond A.....	10 Elm St., West Orange, N. J.....	30
2KA	Kroener, Christian E....	115 Watchung Ave., Plainfield, N. J....	270
2AAR	Kroger, Ernest G.....	Hartsdale, N. Y.....	270
2ADS	Laffenandre, Gaston W..	Sayville, N. Y.....	20
2PU	Lalley, Joseph F.....	16 Short St., Coytesville, N. J.....	100
2JJ	Landshof, R. W.....	30 Hasbrouck Pl., Rutherford, N. J.....	10
2HX	Lane, David M.....	343 9th St., Jersey City, N. J.....	24
2TY	Lane, George.....	139 Academy St., Poughkeepsie, N. Y..	30
2JS	Larkin, James S.....	66 E. 56th St., New York, N. Y.....	660
2WD	Lasher, Charles E.....	253 Decatur St., Brooklyn, N. Y.....	24
2AAM	Laug, Ernest.....	411 Spring St., West Hoboken, N. J.....	30
2MB	Lawrence, George J., jr..	Jackson Ave., Nyack, N. Y.....	16
2NE	Lebowitz, Samuel.....	105 Bay 29th St., Bensonhurst, N. Y....	440

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
2MX	Le Gallez, Clayton B....	Slingerlands, N. Y.....	450
2FL	Lehmann, August, jr....	1520 56th St., Brooklyn, N. Y.....	35
2AFR	Lehmann, Erich W. G....	36 Steuben St., East Orange, N. J.....	200
2WG	Lemkie, Harry A.....	30 Delaware St., Elizabeth, N. J.....	500
2IE	Lemmon, Walter S.....	319 W. 94th St., New York, N. Y.....	440
2AAV	Le Tarte, Augustin J....	346 McClellan St., Schenectady, N. Y....	600
2AGK	Lewis, Edward H.....	2021 Morningside Ave., New York, N. Y....	10
2AEW	Leyh, William.....	1867 Himrod St., Brooklyn, N. Y.....	7
2AGC	Lindgren, Richard N....	2081 S. Blvd., New York, N. Y.....	520
2IV	Lindsay, Russell.....	39 N. 16th St., East Orange, N. J.....	30
2ABR	Lorini, Osmun W.....	96 Highland Ave., Yonkers, N. Y.....	250
2VI	Loub, Arthur F.....	445 E. 88th St., New York, N. Y.....	48
2BB	Lounsberry, Isaac R....	13 Edward St., Ossining, N. Y.....	500
2ED	Lowe, Graham von S....	262 W. 77th St., New York, N. Y.....	60
2BZ	Lyman, C. Glenn.....	Babylon, N. Y.....	10
2HO	Lyons, William B.....	Broad St., Bloomfield, N. J.....	1,000
2ACK	MacBride, William D....	107 Oak St., Jersey City, N. J.....	30
2ABS	Mack, Burtis D.....	Pleasantville, N. Y.....	1,000
2WY	MacLeod, Myron R.....	530 5th St., Brooklyn, N. Y.....	24
2FW	MacPherson, Claude V..	557 W. 144th St., New York, N. Y.....	440
2ABM	Magennis, Arthur K....	Edgewater, N. J.....	30
2AAO	Maguire, Howard S....	814 Lancaster St., Albany, N. Y.....	250
2DK	Maguire, Nelson.....	317 E. 144th St., New York, N. Y.....	15
2ACS	Maier, John C.....	215 Union Ave., Bound Brook, N. J.....	500
2KE	Maloney, Joseph T....	164 E. 82d St., New York, N. Y.....	50
2GQ	Manning, Charles T....	81 N. Maple Ave., East Orange, N. J.....	18
2JQ	Manning, Walter B....	126 Piermont Ave., Nyack, N. Y.....	40
2AGB	Marchant, Ralph.....	2711 Creston Ave., New York, N. Y.....	550
2OX	Mardon, F. Herbert....	1309 West Farms Rd., New York, N. Y....	30
2GX	Mason, Samuel F.....	Keyport, N. J.....	12
2AFD	Massimo, Albert.....	Bayside, N. Y.....	220
2AAG	Maurer, Edward W....	53 Osborn St., Keyport, N. J.....	30
2SG	May, Fred.....	143 High St., Montclair, N. J.....	12
2TD	Mayer, Arthur C.....	319 W. 139th St., New York, N. Y.....	220
2AGG	Mayer, Warren J.....	157 Elm St., Elizabeth, N. J.....	18
2HP	Mayhew, B. Allen, jr..	Tenafly, N. J.....	550
2VX	McCarthy, George W....	1012 Sutter Ave., Brooklyn, N. Y.....	24
2IL	McClintock, George C..	319 Dudley Ave., Westfield, N. J.....	250
2HA	McCoy, Daniel.....	45 Lee Ave., Yonkers, N. Y.....	1,000
2BY	McHugh, John A.....	455 141st St., New York, N. Y.....	24
2HM	McKee, Clarence A....	821 E. 216th St., New York, N. Y.....	12
2EY	McKinney, Fred J.....	300 Glenwood Ave., Bloomfield, N. J.....	24
2LG	McLaughlin, Frederick L.	242 Nostrand Ave., Brooklyn, N. Y.....	90
2PI	McLoughlin, Robert J..	105 Francisco Ave., Rutherford, N. J.....	250
2AEO	McMonagle, Daniel J..	571 59th St., Brooklyn, N. Y.....	24
2LI	Meacham, Frederick C. jr	236 Decatur St., Brooklyn, N. Y.....	60
2NV	Meder, George C.....	990 1st Ave., New York, N. Y.....	550
2OF	Meier, Robert A.....	Lynbrook, N. Y.....	15
2AAW	Meinecke, Ernest.....	27 Zabriskie St., Jersey City, N. J.....	10
2AAE	Mekeel, Arthur H.....	Lloyd, N. Y.....	27
2AW	Melville, Richard T....	501 Sixth St., Brooklyn, N. Y.....	30
2SL	Merrill, J. Stewart....	Lynbrook, N. Y.....	1,000
2NO	Merritt, Frank.....	28 Spring St., Red Bank, N. J.....	300
2OG	Meuke, Charles H.....	135 Corlies Ave., Asbury Park, N. J.....	30
2QZ	Meyer, Charles A.....	Fair Haven, N. J.....	36
2EL	Meyer, William E.....	181 W. 63d St., New York, N. Y.....	81
2IF	Miller, Eugene B.....	4 New Vanderbilt Ave., Jamaica, N. Y....	1,000
2ACY	Miller Fred W.....	12 Hicks Ave., Winfield, N. Y.....	32
2ADI	Mitchell, Clifford E....	79 Walnut St., Walden, N. Y.....	250
2NI	Moles, Charles E.....	229 Valentine Lane, Yonkers, N. Y.....	135

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
2WU	Moore, H. Atherton.....	95 Prospect St., Nutley, N. J.....	1,000
2BI	Morgan, Waller V.....	149 Urban St., Mt. Vernon, N. Y.....	24
2MI	Morris, Earle S.....	1192 Dean St., Brooklyn, N. Y.....	500
2LN	Morrison, Clifford P.....	365 Warburton Ave., Yonkers, N. Y.....	1,000
2MT	Moses, Abram W.....	270 E. 161st St., New York, N. Y.....	10
2FO	Mott, Harold.....	67 Mott Ave., Far Rockaway, N. Y.....	500
2HY	Muckenhaupt, Carl F.....	317 Church St., Poughkeepsie, N. Y.....	15
2AG	Mulford, Harold C.....	6 Weekes Ave., Oyster Bay, N. Y.....	440
2AFY	Muller, Herbert W.....	203 E. 71st St., New York, N. Y.....	30
2SK	Murray, Charles.....	Great Notch, N. J.....	250
2AFQ	Murray, Stephen A.....	401 Manhattan Ave., New York, N. Y.....	18
2FT	Murray, William E.....	521 N. James St., Peekskill, N. Y.....	30
2ABA	Myers, Austin S.....	129 Wallace Ave., Mt. Vernon, N. Y.....	812
2JL	Mylod, Frank V.....	14 North Ave., Poughkeepsie, N. Y.....	27
2GU	New York Catholic Pro- tectorary.	Walker Ave., New York, N. Y.....	108
2NW	New York School of Telegraphy.	2-14 W. 125th St., New York, N. Y.....	500
2ADR	Nightingale, John J.....	103 17th Ave., Paterson, N. J.....	20
2WF	Nolan, Frank J.....	100 Linden Ave., Bloomfield, N. J.....	18
2CH	Norton, Joseph G.....	334 Bergen St., Brooklyn, N. Y.....	48
2OL	O'Brien, Laurence J.....	285 E. 157th St., New York, N. Y.....	15
2CK	O'Brien, Thomas.....	7 Nassau Ave., Freeport, N. Y.....	880
2KU	Oehmen, Oscar.....	987 Jefferson Ave., Brooklyn, N. Y.....	12
2ABW	Olsen, Arthur C.....	1046 Summit Ave., New York, N. Y.....	30
2ACP	Olson, Alfred E.....	4035 Park Ave., New York, N. Y.....	45
2BU	Olson, Oscar A.....	948 Stebbins Ave., New York, N. Y.....	60
2HS	O'Mara, Edward F.....	134 W. 66th St., New York, N. Y.....	12
2GW	Orben, Howard E.....	93 Speedway Ave., Newark, N. J.....	500
2QU	Osborne, J. Spencer.....	45 Broad St., Newark, N. J.....	6
2MO	Ostman, Frederick B.....	33 Edwards St., Ridgewood, N. J.....	40
2AFT	Oudin, C. Folger.....	7 Union St., Schenectady, N. Y.....	1,000
2RE	Pacent, L. Gerard.....	397 Van Pelt St., Long Island City, N. Y.....	550
2AEX	Paige, John S.....	999 Esplanade, Pelham Manor, N. Y.....	150
2NK	Palm, J. Adam.....	18 14th Ave., Mt. Vernon, N. Y.....	30
2DY	Palmer, Corydon.....	48 W. 50th St., New York, N. Y.....	880
2GK	Pate, W. Schuyler.....	4 Florence Ave., Edgemere, N. Y.....	1,000
2AFS	Patton, Norman F.....	257 W. 92d St., New York, N. Y.....	24
2AZ	Pearl, Eugene S.....	307 Gregory Ave., Passaic, N. J.....	500
2WH	Pearsall, Arthur R.....	197 Warburton Ave., Yonkers, N. Y.....	330
2GO	Peltier, Paul D.....	345 W. 70th St., New York, N. Y.....	30
2AEA	Pendleton, Archibald F.....	49 Pendleton Pl., New Brighton, N. Y.....	1,000
2MD	Pendleton, Harold A.....	799 Quincy St., Brooklyn, N. Y.....	16
2AAZ	Pennell, Vere F.....	15 Baldwin St., Newark, N. J.....	6
2ADZ	Perkins, William J.....	425 75th St., Brooklyn, N. Y.....	500
2FM	Perkins, William P.....	35 Grant Ave., Yonkers, N. Y.....	24
2HG	Peters, Frank J.....	Broad St., Bloomfield, N. J.....	715
2AEJ	Pettit, Mortlock S.....	88 Fanshawe Ave., Yonkers, N. Y.....	250
2FA	Pfeifer, Clarence H.....	396 Prospect St., Ridgewood, N. J.....	550
2NZ	Pfeil, A. Leslie.....	242 Cottage St., Irvington, N. Y.....	325
2WJ	Pfomm, George M.....	1829 Topping Ave., New York, N. Y.....	30
2UX	Phelan, Charles W.....	61 Powell Ave., Rockville Center, N. Y.....	50
2RX	Picken, James C., jr.....	2287 University Ave., New York, N. Y.....	500
2GZ	Plate, Fred W.....	91 Van Reypen St., Jersey City, N. J.....	36
2KW	Plummer, James A.....	340 Orient Way, Rutherford, N. J.....	30
2CZ	Poe, Vergil C.....	862 Sterling Pl., Brooklyn, N. Y.....	30
2ACL	Pohlman, Lauren V.....	424 Brandywine Ave., Schenectady, N. Y.....	200
2ACC	Poling, Gifford.....	Keyport, N. J.....	30
2UM	Poling, Russell H.....	Keyport, N. J.....	500
2WC	Pollock, J. Millard.....	34 Clifton Pl., Brooklyn, N. Y.....	30

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Watts.
2WT	Poole, William C.	53 Maple St., Yonkers, N. Y.	32
2PF	Pope, Frederick B.	24 Carroll St., Yonkers, N. Y.	440
2AEY	Poppelle, Jacob, jr.	38 Jacob St., Newark, N. J.	24
2RJ	Porter, Charles A.	1700 Ditmas Ave., Brooklyn, N. Y.	440
2AM	Preiss, Charles E.	415 Central Ave., Brooklyn, N. Y.	18
2OP	Prendergast, Robert M.	174 4th St., Union Course, N. Y.	36
2DL	Price, Henry S.	435 Clinton Ave., Brooklyn, N. Y.	500
2CD	Prosser, Roger D.	Englewood, N. J.	30
2ABV	Pulsifer, Frederic K., jr.	353 Ridgewood Ave., Glen Ridge, N. J.	30
2EI	Quick, Henry C.	471 75th St., Brooklyn, N. Y.	500
2NX	Quinn, Herman M.	Great Neck Station, N. Y.	30
2TK	Randolph, Randolph A.	558 W. 165th St., New York, N. Y.	250
2AED	Rappolt, Frank A.	1879 Morris Ave., New York, N. Y.	12
2HC	Raque, Carl P.	82 Booraem Ave., Jersey City, N. J.	330
2AFG	Rattner, Manuel.	36 Union St., Poughkeepsie, N. Y.	25
2OE	Raynor, Sinclair L.	Freeport, N. Y.	1,000
2ABZ	Regan, Claude.	Keyport, N. J.	20
2JV	Reich, Herbert J.	79 10th St., New Dorp, N. Y.	12
2ACF	Reichman, John T.	Belford, N. J.	500
2RH	Reiss, Lester.	580 W. 161st St., New York, N. Y.	250
2RB	Reuman, William H.	480 9th Ave., New York, N. Y.	525
2AEI	Reynolds, Albert S.	222 S. Clinton St., East Orange, N. J.	15
2AAT	Reynolds, Palmer W.	3 N. Terrace Ave., Mt. Vernon, N. Y.	24
2ACG	Reynolds, Thomas A.	16 Camp Woods Rd., Ossining, N. Y.	30
2ACU	Richardson, John R.	16 Culver St., Yonkers, N. Y.	15
2IS	Ricketts, Percy E.	Babylon, N. Y.	250
2JM	Rigby, Joseph, jr.	905 E. 19th St., Paterson, N. J.	18
2KF	Ritchie, Edmond W.	442 E. 166th St., New York, N. Y.	930
2WX	Ritter, Irving W.	1438 McCormick Ave., Ozone Park, N. Y.	18
2LC	Roberts, A. Perry.	Tenafly, N. J.	500
2CC	Roberts, Harold S.	647 Flatbush Ave., Brooklyn, N. Y.	20
2VE	Robertson, Gus.	125 Hunter Ave., Long Island City, N. Y.	36
2KT	Robertson, Merle E.	98 Piermont Ave., Nyack, N. Y.	16
2HE	Rock, Leroy W.	201 Beach St., Red Bank, N. J.	12
2IU	Rodenbach, John F.	1542 Elmore Pl., Brooklyn, N. Y.	24
2ACO	Rogers, John.	13 W. 100th St., New York, N. Y.	66
2ADG	Rosa, Harry D.	52 Gate St., Poughkeepsie, N. Y.	42
2FN	Roth, August F.	2316 Gleason Ave., New York, N. Y.	30
2TH	Roy, James A. S.	59 Park Ter., West Orange, N. J.	30
2IA	Royce, Winfred A.	1329 49th St., Brooklyn, N. Y.	500
2ABG	Runyon, Carman R., jr.	563 Palisade Ave., Yonkers, N. Y.	1,000
2JY	Rupert, S. E. G.	107 2d Ave., Pelham, N. Y.	1,000
2GP	Rutherford, T. Bruce.	42 Hawthorne St., Brooklyn, N. Y.	24
2DE	Ruttman, Ferdinand.	605 W. 141st St., New York, N. Y.	250
2WL	Ryan, Lester F.	18 Kosciusko St., Brooklyn, N. Y.	15
2DM	Sachs, Harold.	701 Madison Ave., New York, N. Y.	250
2HN	Sands, Walter H.	512 W. 123d St., New York, N. Y.	110
2SB	Sangree, Ernest M.	1807 Ditmas Ave., Brooklyn, N. Y.	28
2AEN	Saxton, Herbert.	215 Bidwell Ave., Jersey City, N. J.	32
2LH	Sayres, Ralph A.	4645 Central Ave., Richmond Hill, N. Y.	36
2SU	Schabbehar, Edwin A.	412 Village Ave., Rockville Center, N. Y.	770
2AFI	Schaefer, Charles.	2027 Webster Ave., New York, N. Y.	45
2AFH	Schaefer, Adolph.	1487 Nostrand Ave., Brooklyn, N. Y.	105
2AAN	Schanck, Henry S.	92 Main St., Keyport, N. J.	500
2IO	Scharrenbeck, George H.	126 W. 1st St., Mt. Vernon, N. Y.	220
2EQ	Schedler, Herbert D.	148 Nelson Ave., Jersey City, N. J.	350
2BF	Schell, Richard, jr.	35 Grasmere Ave., Grasmere, N. Y.	350
2AGL	Schenone, John.	15 1st St., Keyport, N. J.	16
2BO	Schermerhorn, Howard F.	211 Orange Rd., Montclair, N. J.	300
2DJ	Schlitz, Karl W.	28 Jefferson St., Brooklyn, N. Y.	36

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power
			<i>Watts.</i>
2ADJ	Schmitt, George P.	Blackwell's Island, N. Y.	250
2EO	Schneider, Alexander.	326 E. 69th St., New York, N. Y.	40
2VO	Scholerman, Carl.	Pleasantville, N. Y.	1,000
2PD	Schomp, Roy.	76 Undercliff Ave., Edgewater, N. J.	220
2CB	Schram, John, jr.	21 Locust St., Brooklyn, N. Y.	60
2HI	Schuck, Charles H.	500 W. 143d St., New York, N. Y.	30
2BH	Schulte, Carl E.	67 Oak St., Ridgewood, N. J.	250
2PQ	Schwartz, Max B.	1709 St. Johns Pl., Brooklyn, N. Y.	24
2DQ	Schwarzkopf, Irving M.	138 E. 95th St., New York, N. Y.	500
2KG	Schweitzer, William P.	6738 2d Ave., Brooklyn, N. Y.	8
2ND	Schweizer, Charles L.	710 3d Ave., Brooklyn, N. Y.	50
2IN	Scofield, Robert W.	87 Macon St., Brooklyn, N. Y.	50
2AN	Sedlak, Conrad J.	633 Main St., New Durham, N. J.	295
2ACM	Segall, Louis M.	1832 65th St., Brooklyn, N. Y.	32
2DX	Seyd, Ernest K.	231 Park Pl., Brooklyn, N. Y.	50
2MW	Shafto, J. Robert.	123 Corlies Ave., West Grove, N. J.	-----
2NM	Sharp, Watkin W.	Far Rockaway, N. Y.	1,000
2ABJ	Shaughnessy, Jack F.	7 Jones Pl., Yonkers, N. Y.	550
2PZ	Shaw, Horace S.	391 St. Johns Pl., Brooklyn, N. Y.	250
2CG	Shield, Frederic K.	23 Second Ave., Highland Park, N. J.	550
2OU	Siebert, Walter.	1538 E. 15th St., Brooklyn, N. Y.	30
2GV	Siegmann, Harry E.	36 Davis St., Hempstead, N. Y.	750
2AAD	Silleck, William C.	422 Willis Ave., New York, N. Y.	18
2OH	Skliar, Joseph.	354 Cypress Ave., New York, N. Y.	30
2GR	Slagel, E. Lester.	25 S. 2d Ave., Mt. Vernon, N. Y.	18
2MK	Smith, Daniel W.	South St., Oyster Bay, N. Y.	130
2AFX	Smith, Edward J.	327 E. 27th St., New York, N. Y.	36
2AGF	Smith, Joscelyn E.	444 W. 163d St., New York, N. Y.	24
2DU	Smith, Joseph T.	126 E. 114th St., New York, N. Y.	500
2LK	Smith, J. Owen.	Valley Stream, N. Y.	250
2JP	Smith, Julius J. R.	807 Lincoln Pl., Brooklyn, N. Y.	12
2ER	Smith, Loughran S.	18 Maiden Lane, Kingston, N. Y.	15
2JO	Smith, Nelson V.	Lawrence, N. Y.	1,000
2AEU	Smith, Ralph C.	129 N. 14th St., East Orange, N. J.	15
2ABQ	Smith, Robert W.	152 Croton Ave., Ossining, N. Y.	18
2KH	Solberg, Walter.	620 46th St., Brooklyn, N. Y.	25
2GC	Sonn, Albert E.	150 2d Ave., Newark, N. J.	550
2RP	Sorgens, Walter M.	65 Odell St., Schenectady, N. Y.	960
2KZ	Spaulding, Kenneth W.	501 Argyle Rd., Brooklyn, N. Y.	30
2IM	Spangenberg, Lester.	25 S. 4th St., Lakeview, N. J.	1,000
2WP	Spannaus, Charles O.	660 W. 180th St., New York, N. Y.	500
2FD	Spiegel, Walter.	1611 1st Ave., New York, N. Y.	30
2RF	Springer, C. Meredith.	339 Union St., Far Rockaway, N. Y.	24
2AAH	Srebroff, Carl.	443 E. 88th St., New York, N. Y.	30
2FS	Stanley, Howard L.	Babylon, N. Y.	224
2AGS	Stanton, Walter A.	782-A Hancock St., Brooklyn, N. Y.	18
2AEE	Starrett, John.	440 McDonough St., Brooklyn, N. Y.	20
2VW	Steinkamp, Harold.	89 Hyatt Ave., Yonkers, N. Y.	500
2LM	Stellman, Alfred.	New Bridge, N. J.	500
2AFF	Sterns, Morton W.	705 W. 179th St., New York, N. Y.	1,000
2AFL	Stevens, Fred.	15 Wood Pl., Yonkers, N. Y.	25
2UZ	Stewart, G. Edwin.	45 Hillside Ave., Rockville Center, N. Y.	220
2ADA	Stimpson, Warren E.	1933 Daly Ave., New York, N. Y.	1,000
2AAC	Storrs, William K.	513 E. 144th St., New York, N. Y.	60
2JA	Story, Robert K., jr.	212 Hancock St., Brooklyn, N. Y.	72
2AEV	Strauss, Maurice B.	568 5th St., Brooklyn, N. Y.	36
2LV	Stutz, E. Waldo.	126 Bainbridge St., Brooklyn, N. Y.	15
2JG	Tannenbaum, Harold J.	835 W. 113th St., New York, N. Y.	18
2AEL	Tannenbaum, Samuel.	86 Warburton Ave., Yonkers, N. Y.	1,000
2GS	Taylor, George W.	171 Alden St., Orange, N. J.	500

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
2AGH	Taylor, K. Allan.....	576 Madison Ave., Elizabeth, N. J.....	18
2ACZ	Terhune, Frank.....	167 High St., Passaic, N. J.....	250
2EC	Thiede, Ferdinand C.....	486 Decatur St., Brooklyn, N. Y.....	24
2PJ	Thomas, Alonzo E., jr.....	176-A Union St., Jersey City, N. J.....	9
2BQ	Tischler, Max.....	591 Bergen St., Newark, N. J.....	25
2AEB	Tompkins, George F.....	601 W. 172d St., New York, N. Y.....	30
2OR	Tong, Myron A.....	148 Housman Ave., West Brighton, N. Y.....	250
2CP	Totten, Elmer E.....	95 W. 33d St., Bayonne, N. J.....	16
2AEP	Touroff, Sigmund.....	1820 Topping Ave., New York, N. Y.....	550
2CF	Traflet, Frederick E.....	20 Cottage Pl., Yonkers, N. Y.....	30
2PT	Traver, William F.....	67 Mott Ave., Far Rockaway, N. Y.....	500
2AAJ	Tripp, David R.....	103 Hugh St., Schenectady, N. Y.....	660
2AC	Tripp, George B., jr.....	30 Edgecliff Ter., Yonkers, N. Y.....	250
2ABN	Trube, Carl E.....	6 Livingston Ave., Yonkers, N. Y.....	30
2AAU	Trube, Robert L.....	Hastings-on-the-Hudson, N. Y.....	250
2FG	Tymeson, Sidney.....	21 Henry St., Schenectady, N. Y.....	30
2KB	Tyrrell, Randolph E.....	677 E. 19th St., Brooklyn, N. Y.....	250
2RM	Underhill, Chester R.....	47 Church St., Montclair, N. J.....	120
2AR	Underhill, George H.....	78 S. Hamilton St., Poughkeepsie, N. Y.....	30
2HD	Underwood, Kenneth C.....	259 Mt. Prospect Ave., Newark, N. J.....	255
2AP	Unger, Charles F.....	Harrison, N. Y.....	60
2KI	Uphoff, Leslie S.....	120 Avenue B, Schenectady, N. Y.....	550
2OT	Urbain, Ferdinand A.....	1189 44th St., Brooklyn, N. Y.....	180
2OB	Valladares, Frank N.....	54 Thompson St., Schenectady, N. Y.....	50
2UU	Vanderbilt, Clinton B.....	5 Jerome Pl., Upper Montclair, N. J.....	24
2ABK	Van Meerbeke, C. J., jr.....	Hazlet, N. J.....	45
2KV	Varetoni, Wm.....	115 Randolph Ave., Clifton, N. J.....	30
2MG	Vaughan, George W., jr.....	34 S. 9th Ave., Mt. Vernon, N. Y.....	250
2GT	Vegessy, John W.....	435 E. 6th St., New York, N. Y.....	500
2RZ	Veneman, Peter.....	36 Watson St., Paterson, N. J.....	12
2ACA	Viering, Harry F.....	98 Abbott Ave., Ocean Grove, N. J.....	24
2ADX	Vogel, Erwin W.....	61 S. Blvd., New York, N. Y.....	30
2ACR	Von Thun, Henry B.....	636 Halsey St., Brooklyn, N. Y.....	24
2ADO	Vrooman, Max M.....	1204 State St., Schenectady, N. Y.....	480
2OQ	Wade, J. Melmoth.....	83 Hamilton Ave., Yonkers, N. Y.....	15
2AAF	Waelde, William E.....	424 Church St., Poughkeepsie, N. Y.....	54
2DO	Wallace, George D.....	65 Church St., Freeport, N. Y.....	750
2ABU	Walton, Fred E.....	61 Raymond Ave., Rutherford, N. J.....	575
2DT	Wandres, Charles T.....	3411 3d Ave., New York, N. Y.....	50
2QP	Ward, John R.....	160 Garfield Pl., Brooklyn, N. Y.....	24
2DN	Warner, Herbert M.....	Little Falls, N. J.....	725
2MJ	Webb, Frederick F.....	21 Sprague Ave., Tottenville, N. Y.....	200
2MQ	Weber, Ernest A.....	285 S. 2d St., Brooklyn, N. Y.....	18
2ABL	Weigand, Daniel.....	Hazlet, N. J.....	30
2FH	Weiss, Jacob.....	5 Adams St., Port Washington, N. Y.....	960
2JE	Wendelstadt, Lucius F.....	8 Seymour St., Montclair, N. J.....	1,000
2CA	Werner, George J.....	728 W. 181 St., New York, N. Y.....	440
2TJ	White, Howard E.....	1125 Madison Ave., New York, N. Y.....	100
2BW	Whitson, John H.....	Briarcliff Manor, N. Y.....	500
2WQ	Willetts, Gilson V.....	92 Hamilton Ave., Yonkers, N. Y.....	12
2EH	Wilmott, George B.....	1138 E. 37th St., Brooklyn, N. Y.....	50
2GN	Wilson, John A., jr.....	Tenafly, N. J.....	500
2QI	Wimpfheimer, Gustave R.....	1056 Hoe Ave., New York, N. Y.....	500
2DA	Winn, Arthur H.....	325 Church St., Poughkeepsie, N. Y.....	440
2FP	Woerner, Charles A.....	247 Union St., Jersey City, N. J.....	30
2NR	Wohlmann, Henry M.....	168 W. 55th St., Brooklyn, N. Y.....	30
2LZ	Woodrow, William.....	224 W. 140th St., New York, N. Y.....	880
2BV	Woodward, Reginald.....	84 Amherst St., East Orange, N. J.....	12
2ABC	Woolcott, James V.....	40 Edgewood Lane, Palisades, N. J.....	500
2IW	Worth, John B.....	Cresskill, N. J.....	500

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
2AES	Wright, Henry O.	115 Mountain Ave., Westfield, N. J.	<i>Watts.</i> 500
2BE	Yerbury, George S., jr. .	21 Irving Pl., Passaic, N. J.	36
2HZ	Youmans, Chester.	5 Old Road, Bayonne, N. J.	30
2AEG	Ziegler, Edward F.	705 Woodbine St., Brooklyn, N. Y.	7
2CM	Zimmerman, Herman, jr	2590 3d Ave., New York, N. Y.	220
2DB	Zucker, Richard D.	45 Clinton Pl., Mt. Vernon. N. Y.	250

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
2AA	Adams, Everett L.	2ABV	Pulsifer, Frederic K., jr.
2AAB	Deitz, Burr V.	2ABW	Olsen, Arthur C.
2AAC	Storrs, William K.	2ABX	Helken, Emil W.
2AAD	Silleck, William C.	2ABY	Gardner, William E.
2AAE	Mekeel, Arthur H.	2ABZ	Regan, Claude.
2AAF	Waelde, William E.	2AC	Tripp, George B., jr.
2AAG	Maurer, Edward W.	2ACA	Viering, Harry F.
2AAH	Srebroff, Carl.	2ACB	Collinge, James N.
2AAI	Dartiguenave, Henry P.	2ACC	Poling, Gifford.
2AAJ	Tripp, David R.	2ACD	Hunter, Thomas F.
2AAK	Cockaday, Laurence M.	2ACE	Harrison, John B.
2AAL	Johnstone, George W.	2ACF	Reichman, John T.
2AAM	Laug, Ernest.	2ACG	Reynolds, Thomas A.
2AAN	Schanck, Henry S.	2ACJ	de Calahorra, Amadeo S.
2AAO	Maguire, Howard S.	2ACK	MacBride, William D.
2AAP	Kollock, Arnett W.	2ACL	Pohlman, Lauren V.
2AAQ	Judson, Joseph E.	2ACM	Segall, Louis M.
2AAR	Kroger, Ernest G.	2ACN	Buchheister, Morris.
2AAS	Brick, Frank K., jr.	2ACO	Rogers, John.
2AAT	Reynolds, Palmer W.	2ACP	Olson, Alfred E.
2AAU	Trube, Robert L.	2ACQ	Cadmus, Le Roy G.
2AAV	Le Tarte, Augustin J.	2ACR	Von Thun, Henry B.
2AAW	Meinecke, Ernest.	2ACS	Maier, John C.
2AAX	Goodell, John B.	2ACT	Hendricks, Miles S.
2AAZ	Adickes, Ernest D.	2ACU	Richardson, John R.
2AB	Pennell, Vere F.	2ACV	Dunham, John S.
2ABA	Hyde, George G.	2ACW	Hattermuller, Theodore.
2ABB	Myers, Austin S.	2ACX	Becken, William S.
2ABC	Held, William J.	2ACY	Miller, Fred W.
2ABD	Woolcott, James V.	2ACZ	Terhuns, Frank.
2ABE	Bilms, Charles A.	2AD	Dammers, Albert.
2ABF	Frost, Jacob.	2ADA	Stimpson, Warren E.
2ABG	Crozier, Edward A.	2ADB	Cawman, David L.
2ABH	Runyon, Carman R., jr.	2ADC	Humphreys, Ferdinand.
2ABI	Kavanagh, John.	2ADD	Gelina, C. J.
2ABJ	Everitt, William L.	2ADE	Eckler, Harry D.
2ABK	Shaughnessy, Jack F.	2ADG	Rosa, Harry D.
2ABL	Van Meerbeke, C. J., jr.	2ADH	Escrish, James P.
2ABM	Weigand, Daniel.	2ADI	Mitchell, Clifford E.
2ABN	Magennis, Arthur K.	2ADJ	Schmitt, George P.
2ABO	Trube, Carl E.	2ADL	Hunkins, Carl J.
2ABQ	Dodd, H. Hanson.	2ADM	Crosby, Warner N.
2ABR	Smith, Robert W.	2ADN	Gutmann, Bernard.
2ABS	Lorini, Osmun W.	2ADO	Vrooman, Max M.
2ABT	Mack, Burtis D.	2ADP	Davis, Clarence F.
2ABU	Hulse, L. Mortimer.	2ADQ	Felix, Edgar.
	Walton, Fred E.	2ADR	Nightingale, John J.

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
2ADS	Laffenandre, Gaston W.	2AFZ	Beaton, John D., jr.
2ADT	Cushman, Charles D., jr.	2AG	Mulford, Harold C.
2ADU	Jakobson, Irving D.	2AGA	Belsky, Walter.
2ADV	Bazensky, Joseph I.	2AGB	Marchant, Ralph.
2ADW	Homan, Carroll L.	2AGC	Lindgren, Richard N.
2ADX	Vogel, Erwin W.	2AGF	Smith, Joscelyn E.
2ADY	Cooper, William S.	2AGG	Mayer, Warren J.
2ADZ	Perkins, William J.	2AGH	Taylor, K. Allan.
2AE	Happe, William H.	2AGI	Grumbacher, Walter.
2AEA	Pendleton, Archibald F.	2AGJ	Hewitt, John K.
2AEB	Tompkins, George F.	2AGK	Lewis, Edward H.
2AEC	Kleinberger, Richard.	2AGL	Schenone, John.
2AED	Rappolt, Frank A.	2AGS	Stanton, Walter A.
2AEE	Starrett, John.	2AH	Edelman, Abraham.
2AEF	Abrams, Milton F., jr.	2AI	Eber, John G.
2AEG	Ziegler, Edward F.	2AJ	Brenner, Alex.
2AEH	Edwards, Joseph B.	2AK	Ferris, Howard E.
2AEI	Reynolds, Albert S.	2AM	Preiss, Charles E.
2AEJ	Pettit, Mortlock S.	2AN	Sedlak, Conrad J.
2AEK	Brainard, Edward S.	2AO	Jones, Robert O.
2AFL	Tannenbaum, Samuel.	2AP	Unger, Charles F.
2AEM	Fishoff, Louis A.	2AQ	Corson, David N.
2AEN	Saxton, Herbert.	2AR	Underhill George H.
2AEO	McMonagle, Daniel J.	2AS	De Yoe, Willard L.
2AEP	Touroff, Sigmund.	2AT	Herdin, Rudolph.
2AEQ	Kienzle, Henry A.	2AU	Bryan, Chester W.
2AER	Crinnion, Edward T. J.	2AV	Dooley, John J.
2AES	Wright, Henry O.	2AW	Melville, Richard T.
2AET	Knopf, Richard.	2AX	Goldhorn, L. B.
2AEU	Smith, Ralph C.	2AY	Gittelbauer, Frederick.
2AEV	Strauss, Maurice B.	2AZ	Pearl, Eugene S.
2AEW	Leyh, William.	2BB	Lounsberry, Isaac R.
2AEX	Paige, John S.	2BC	Kaltenbach, Henry J., jr.
2AEY	Poppele, Jacob, jr.	2BD	Banta, Theodore C.
2AF	Bryant, Marquis V.	2BE	Yerbury, George S., jr.
2AFA	Bodkin, Laurence G.	2BF	Schell, Richard, jr.
2AFB	Berlin, Benjamin.	2BH	Schulte, Carl E.
2AFC	Broggini, Claud.	2BI	Morgan, Waller V.
2AFD	Massimo, Albert.	2BJ	Dahms, Herbert.
2AFE	Dix, Harold S.	2BK	Green, Adoniram J.
2AFF	Sterns, Morton W.	2BM	Heermance, Earle.
2AFG	Rattner, Manuel.	2BN	Beebe, L. S.
2AFH	Schaeffer, Adolph.	2BO	Schermerhorn, Howard F.
2AFI	Schaefer, Charles.	2BP	Jordan, John Patrick.
2AFJ	Heinsohn, Frederick E.	2BQ	Tischler, Max.
2AFK	Hocmer, Edwin C., jr.	2BR	Krech, Karl G.
2AFL	Stevens, Fred.	2BU	Olson, Oscar A.
2AFM	Holmes, George.	2BV	Woodward, Reginald.
2AFN	Decker, Ralph W. E.	2BW	Whitson, John H.
2AFO	Holmes, George.	2BX	Grieshaber, George T.
2AFP	Hershey, Raymond.	2BY	McHugh, John A.
2AFQ	Murray, Stephen A.	2BZ	Lyman, C. Glenn.
2AFR	Lehmann, Erich W. G.	2CA	Werner, George J.
2AFS	Patton, Norman F.	2CB	Schram, John, jr.
2AFT	Oudin, C. Folger.	2CC	Roberts, Harold S.
2AFU	Goll, Robert E.	2CD	Proesser, Roger D.
2AFV	Halsey, Edward G., jr.	2CE	Dain, John W.
2AFW	Hornung, Julius L.	2CF	Traflet, Frederick E.
2AFX	Smith, Edward J.	2CG	Shield, Frederic K.
2AFY	Muller, Herbert W.		

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
2CH	Norton, Joseph G.	2FA	Pfeifer, Clarence H.
2CJ	Bathgate, Walter E.	2FC	Decker, Harold A.
2CK	O'Brien, Thomas.	2FD	Spiegel, Walter.
2CL	Brooklyn Telegraph School.	2FE	Cheel, Harold W.
2CM	Zimmerman, Herman, jr.	2FF	Brower, Harold S.
2CN	Dickey, Edward T.	2FG	Tymeson, Sidney.
2CP	Totten, Elmer E.	2FH	Weiss, Jacob.
2CQ	Hampe, Bernard A.	2FI	Kirkpatrick, Louis W.
2CR	Blauvelt, William M.	2FJ	Helwig, Herman F.
2CT	Bunn, Milo B.	2FK	Hamilton, Ralph
2CW	Ham, Frank H.	2FL	Lehmann, August, jr.
2CX	Davison, Walter H., jr.	2FM	Perkins, William P.
2CY	Ferris, Malcolm.	2FN	Roth, August F.
2CZ	Poe, Vergil C.	2FO	Hendrickson, Verner A.
		2FP	Woerner, Chas. A.
2DA	Winn, Arthur H.	2FQ	Hardwick, Ambrose H.
2DB	Zucker, Richard D.	2FS	Stanley, Howard L.
2DD	Fitzgerald, Gordon P.	2FT	Murray, William E.
2DE	Ruttman, Ferdinand.	2FU	Brooks, L. Van V.
2DG	Higgs, Harry Y.	2FV	Kaplan, Louis A.
2DH	Knapp, Samuel.	2FW	MacPherson, Claude V.
2DI	Cyriax, Ernest A.	2FX	Gedney, Ray Van Duyne.
2DJ	Schlitz, Karl W.	2FY	Hartman, Robert.
2DK	Maguire, Nelson.	2FZ	Harris, Charles C.
2DL	Price, Henry S.		
2DM	Sachs, Harold.	2GA	Felsenheld, James D.
2DN	Warner, Herbert M.	2GB	Bartlett, Bernard W.
2DO	Wallace, George D.	2GC	Sonn, Albert E.
2DP	Crocker, Frank H.	2GD	Farquharson, John S.
2DQ	Schwarzkopf, Irving M.	2GF	Gabrielson, Henry M.
2DS	Clark, Le Roy.	2GG	Dahlgren, Birger A.
2DT	Wandree, Charles T.	2GH	Hardy, Myles.
2DU	Smith, Joseph T.	2GI	Bockelmann, Charles F.
2DW	Hansen, Carl A.	2GJ	Gronemeyer, Edmund G.
2DX	Seyd, Ernest K.	2GK	Pate, W. Schuyler.
2DY	Palmer, Corydon.	2GM	Ballard, J. Adams.
		2GN	Wilson, John A., jr.
2EA	Doty, Walter P.	2GO	Peltier, Paul D.
2EB	Gray, Frank F.	2GP	Rutherford, T. Bruce.
2EC	Thiede, Ferdinand C.	2GQ	Manning, Charles T.
2ED	Lowe, Graham von S.	2GR	Slagel, E. Lester.
2EE	Jacobs, Charles F.	2GS	Taylor, George W.
2EF	Hurd, Theodore.	2GT	Vegessy, John W.
2EG	Hurd, John B.	2GU	New York Catholic Protectorsy.
2EH	Wilmott, George B.	2GV	Siegmann, Harry E.
2EI	Quick, Henry C.	2GW	Orben, Howard E.
2EJ	Bechtloff, Claude B.	2GX	Mason, Samuel F.
2EK	Hoernel, Paul.	2GY	Dietz, Walter.
2EL	Meyer, William E.	2GZ	Plate, Fred W.
2EM	Crosby, Roy C.		
2EN	Halligan, James W.	2HA	McCoy, Daniel.
2EO	Schneider, Alexander.	2HB	Bennett, Russell W.
2EP	Engelhart, Lawrence.	2HC	Raque, Carl P.
2EQ	Schedler, Herbert D.	2HD	Underwood, Kenneth C.
2ER	Smith, Loughran S.	2HE	Rock, Leroy W.
2ES	Campbell, Robert, jr.	2HF	Coote, Charles W.
2ET	England, George B.	2HG	Peters, Frank J.
2EU	Droste, George T.	2HH	Dederick, H. C.
2EW	Hamilton, Joseph E.	2HI	Schuck, Charles H.
2EX	Jackson, Benjamin B.	2HJ	Hadden, Weston.
2EY	McKinney, Fred J.	2HK	Burrows, Henry P.

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
2HL	Huyler, Rollin M.	2KA	Kroener, Christian E.
2HM	McKee, Clarence A.	2KB	Tyrrell, Randolph E.
2HN	Sands, Walter H.	2KC	Hayes, Frank X. J.
2HO	Lyons, William B.	2KD	Browne, Walram S.
2HP	Mayhew, B. Alan, jr.	2KE	Maloney, Joseph T.
2HQ	Dehler, Adolph.	2KF	Ritchie, Edmond W.
2HS	O'Mara, Edward F.	2KG	Schweitzer, William P.
2HU	Hotchkiss, Grosvenor.	2KH	Solberg, Walter.
2HW	Combes, Rae.	2KI	Uphoff, Lealie S.
2HX	Lane, David M.	2KJ	Cummings, Frank X.
2HY	Muckenhaupt, Carl F.	2KK	Day, Howard B.
2HZ	Youmans, Chester.	2KL	Gregory, Arthur V.
2IA	Royce, Winfred A.	2KM	Francis, Charles E.
2IB	Feeney, Walter.	2KN	Collison, Percy B.
2IC	Faraon, Adolph J.	2KR	Hallenbeck, Charles.
2IE	Lemmon, Walter S.	2KT	Robertson, Merle E.
2IF	Müller, Eugene B.	2KU	Oehmen, Oscar.
2IG	Corwin, George E.	2KV	Varetoni, Wm.
2II	Howell, Walter J.	2KW	Plummer, James A.
2IK	Jensen, Martin.	2KX	Kilmer, Theron W.
2IL	McClintock, George C.	2KY	Goodchild Electrical Co.
2IM	Spangenberg, Lester.	2KZ	Spalding, Kenneth W.
2IN	Scofield, Robert W.	2LA	Alfaro, Richard F.
2IO	Scharrenbeck, George H.	2LB	Bertine, Edwin K.
2IP	Ashmall, William E., jr.	2LC	Roberts, A. Perry.
2IQ	Elliott, Paul C.	2LD	Cotter, William F.
2IR	Foulke, J. Brion, jr.	2LE	Egolf, Richard S.
2IS	Ricketts, Percy E.	2LF	Bartlett, Charles H.
2IT	Cowles, Charles W.	2IG	McLaughlin, Frederick L.
2IU	Rodenbach, John F.	2LH	Sayres, Ralph A.
2IV	Lindsay, Russell.	2LI	Meacham, Frederick C., jr.
2IW	Worth, John B.	2LJ	Hoagland, Raymond.
2IX	Freeman, Robert J.	2LK	Smith, J. Owen.
2IY	Dugan, Edward W.	2LL	Benedict, Alonzo R.
2JA	Story, Robert K., jr.	2LM	Stellman, Alfred.
2JC	Hawkins, Ernest W.	2LN	Morrison, Clifford P.
2JD	Boeder, Arthur R.	2LO	Baker, William N.
2JE	Wendelstadt, Lucius F.	2LP	Green, Raymond J.
2JF	Frey, Anthony C.	2LQ	Belt, Charles B.
2JG	Tann nbaum, Harold J.	2LS	Jablousky, William.
2JH	Brown, David S., jr.	2LT	Galvin, Lee R.
2JI	Eddy, Leonard E.	2LV	Stutz, E. Waldo.
2JJ	Landshof, R. W.	2LW	Breen, Thomas J.
2JK	Faraon, Rene J.	2LX	Adelphi College.
2JL	Mylod, Frank V.	2LY	Hoover, Raymond.
2JM	Rigby, Joseph, jr.	2LZ	Woodrow, William.
2JN	Freeland, Wilbur W.	2MA	Hasbrouck, Earl.
2JO	Smith, Nelson V.	2MB	Lawrence, George J., jr.
2JP	Smith, Julius J. R.	2MD	Pendleton, Harold A.
2JQ	Manning, Walter B.	2MF	Hoppock, Allen H.
2JR	Bruce, Edmond.	2MG	Vaughan, George W., jr.
2JS	Larkin, James S.	2MH	Buchanan, William F.
2JT	Dennis, Frederick F.	2MI	Morris, Earle S.
2JU	Goette, C. J.	2MJ	Webb, Frederick F.
2JV	Reich, Herbert J.	2MK	Smith, Daniel W.
2JX	De Cortin, Gustav A.	2ML	Donovan, Etienne S.
2JY	Rupert, S. E. G.	2MM	Apgar, Charles E.
2JZ	Bicak, Edward T.	2MN	Betts, Philander H.

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
2MO	Ostman, Frederick B.	2PC	Barriette, Samuel L.
2MP	Hopkinson, Russell.	2PD	Schomp, Roy.
2MQ	Weber, Ernest A.	2PE	Fritch, Vincent J.
2MR	Atwater, Frank G., jr.	2PF	Pope, Frederick B.
2MS	Berri, Herbert.	2PG	Eckstein, William J.
2MT	Moses, Abram W.	2PI	McLoughlin, Robert J.
2MU	Bigelman, Herbert C.	2PJ	Thomas, Alonzo E., jr.
2MV	Bell, Arthur E.	2PN	Berger, H. C. V. B.
2MW	Shafto, J. Robert.	2PO	Mott, Harold.
2MX	Le Gallez, Clayton B.	2PQ	Schwartz, Max B.
2MY	Cohen, Edwin K.	2PR	Dynner, Eugene.
2MZ	Ferguson, James B., jr.	2PS	Cohen, Samuel.
		2PT	Traver, William F.
2NA	Dawley, Earle R.	2PU	Lalley, Joseph F.
2ND	Schweizer, Charles L.	2PV	Grebe, Alfred H.
2NE	Lebowitz, Samuel.	2PW	Hellman, Abraham E.
2NF	Homan, Eber J.	2PX	Hamilton, Albert G., jr.
2NG	Hayden, Thomas J.	2PY	Bogardus, Henry L.
2NH	Horn, Charles W.	2PZ	Shaw, Horace S.
2NI	Moles, Charles E.		
2NJ	Kennedy, Harold J.	2QB	Blackford, Harold W.
2NK	Palm, J. Adam.	2QC	Ford, Fullerton.
2NL	Bucknam, John R.	2QD	King, Wendell W.
2NM	Sharp, Watkin W.	2QG	Gale, Rowland A.
2NN	Buck, David E.	2QI	Wimpfheimer, Gustave R.
2NO	Merritt, Frank.	2QJ	Eckley, Harold J.
2NP	Koenig, George F.	2QK	Caskey, Kenneth B.
2NQ	Isaacson, Charles B.	2QP	Ward, John R.
2NR	Wohltmann, Henry M.	2QQ	Green, Irving W.
2NS	Hoffman, Paul J.	2QS	Bernard, James L.
2NT	Bernstein, Arthur W.	2QU	Osborne, J. Spencer.
2NU	Hill, William S.	2QX	Keller, George C.
2NV	Meder, George C.	2QZ	Meyer, Charles A.
2NW	New York School of Telegra- phy.	2RB	Reuman, William H.
2NX	Quinn, Herman M.	2RE	Pacent, L. Gerard.
2NY	Austrian, Ralph B.	2RF	Springer, C. Meredith.
2NZ	Pfeil, A. Leslie.	2RG	Earle, William P., jr. (Elrae Mfg. & Trading Co.).
2OA	Hammond, Lester.	2RH	Reiss, Lester.
2OB	Valladares, Frank N.	2RI	Cowper, Norman C.
2OC	Erasmus Hall High School.	2RJ	Porter, Charles A.
2OD	Debuchy, Edmund A.	2RL	Camp, Victor F.
2OE	Raynor, Sinclair L.	2RM	Underhill, Chester R.
2OF	Meier, Robert A.	2RO	Dodds, Andrew C.
2OG	Meuke, Charles H.	2RP	Sorgens, Walter M.
2OH	Skliar, Joseph.	2RT	Collinson, Jesse G.
2OI	Folks, Leslie E.	2RU	Fletcher, Jordon J.
2OJ	Horning, Robert H.	2RV	Johnson, W. Eugene.
2OL	O'Brien, Laurence J.	2RW	Baily, Hobart W.
2ON	Kellow, James C.	2RX	Picken, James C., jr.
2OP	Prendergast, Robert M.	2RZ	Veneman, Peter.
2OQ	Wade, J. Melmoth.		
2OR	Tong, Myron A.	2SB	Sangree, Ernest M.
2OS	Cohen, Walter.	2SF	Kollock, Alan S.
2OT	Urbain, Ferdinand A.	2SG	May, Fred.
2OU	Siebert, Walter.	2SK	Murray, Charles.
2OX	Mardon, F. Herbert.	2SL	Merrill, J. Stewart.
2OY	Jones, Frank.	2SM	Hatry, William B.

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY CALL SIGNALS—
Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
2SO	Johnston, James E.	2VJ	Furman, Robert S.
2SP	Bleivelens, Gerhardt.	2VK	Covert, James D.
2SQ	Kreeft, Raymond A.	2VL	Bond, Arthur M.
2SU	Schabbehar, Edwin A.	2VM	Brown, Philip T.
2SX	Cannon, George C.	2VN	Charles, Chester A.
		2VO	Scholerman, Carl.
2TB	Ford, Everett J.	2VP	Bartsch, Henry W.
2TC	Dickenson, Henry E.	2VQ	Agnoli, Justus J.
2TD	Mayer, Arthur C.	2VR	Gassaway, Julian L.
2TE	Bentzig, Victor H.	2VS	Decker, Ralph W. E.
2TH	Roy, James A. S.	2VT	Kayser, Herbert.
2TJ	White, Howard E.	2VU	Flandreaux, Cyrus.
2TK	Randolph, Randolph A.	2VV	French, Edward.
2TL	de Forest, Edward L., jr.	2VW	Steinkamp, Harold.
2TN	Dunham, Clarence L.	2VX	McCarthy, George W.
2TP	Bohn, William.	2VY	Diehl, John F.
2TQ	Adams, E. William, jr.	2VZ	Frederick, G. Bentley.
2TV	Glenn, George.		
2TY	Lane, George.	2WA	Keers, John K.
2TZ	Collins, Frank J.	2WB	Fogetti, Howard J.
		2WC	Pollock, J. Millard.
2UF	Evens, Arthur F.	2WD	Lasher, Charles E.
2UJ	Innes, Richard C.	2WE	Heydon, Albert R.
2UM	Poling, Russell H.	2WF	Nolan, Frank J.
2UN	Graham, Malcolm.	2WG	Lemkie, Harry A.
2UO	Heyer, Benjamin W.	2WH	Pearsall, Arthur R.
2UP	Gannon, J. Kimball.	2WI	Anderson, Robert N.
2UQ	Hallett, E. Douglas.	2WJ	Pfomm, George M.
2UR	Arany, Leo.	2WK	Caggiano, Carmine J.
2US	Allstrom, F. Condit.	2WL	Ryan, Lester F.
2UU	Vanderbilt, Clinton B.	2WM	Fowler, Jack B.
2UX	Phelan, Charles W.	2WN	Beller, William A. G.
2UZ	Stewart, G. Edwin.	2WP	Spannaus, Charles O.
		2WQ	Willett, Gilson V.
2VC	Johnson, Theophilus, jr.	2WS	Francis, Leo A.
2VD	Bruell, Joseph P.	2WT	Poole, William C.
2VE	Robertson, Gus.	2WU	Moore, H. Atherton.
2VF	Koch, Edward.	2WW	Blackburn, Walter G.
2VG	Ahrens, Harry E.	2WX	Ritter, Irving W.
2VI	Loub, Arthur F.	2WY	MacLeod, Myron R.

THIRD DISTRICT.

[Headquarters: Customhouse, Baltimore, Md. The third district comprises the States of New Jersey (all counties not included in second district), Pennsylvania (counties of Philadelphia, Delaware, all counties south of the Blue Mountains, and Franklin County), Delaware Maryland, Virginia, and the District of Columbia.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
3PC	Abbott, E. H. B.	417 Landis Ave., Vineland, N. J.	<i>Watts.</i> 300
3FZ	Adam, William.	163 W. Thompson St., Philadelphia, Pa. .	40
3QK	Adams, Leslie H.	828 Landis Ave., Vineland, N. J.	1,000
3CA	Adelberger, Adrian J. . .	W. Wayne Ave., Wayne, Pa.	1,000
3ET	Alber, Robert C.	5018 Irving St., Philadelphia, Pa.	180
3WJ	Alden, John H.	124 Bryant St. NW., Washington, D. C. .	18
3BM	Allen, George Y.	Bernardville, N. J.	312
3BD	Allen, Percival R.	Haverford, Pa.	250

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Watts.
3QD	Andersen, Frederick J.	735 Lincoln St., Reading, Pa.	550
3SR	Anderson, John A.	612 Cherry St., Camden, N. J.	18
3LJ	Anderson, Joseph L.	Texas, Md.	60
3TQ	Andrews, Edward C.	22d and Morris Sts., Philadelphia, Pa.	300
3JF	Apfelbaum, Martin.	2711 Girard Ave., Philadelphia, Pa.	42
3AX	Arner, Oscar Q.	56 V St. NW., Washington, D. C.	24
3AA	Ashmore, John W.	3408 Hamilton St., Philadelphia, Pa.	16
3CN	Ashton, Leon W.	106 Washington Ave., Collingswood, N. J.	30
3PI	Atlee, Franklin.	2039 Pine St., Philadelphia, Pa.	18
3GC	Bach, Earl C.	926 N. 4th St., Allentown, Pa.	70
3AFI	Backe, Louis M., jr.	Sea Isle City, N. J.	440
3GZ	Backe, Louis M., jr.	1211 Ridge Ave., Philadelphia, Pa.	440
3BV	Bacon, Franklin F.	101 Mansion Ave., Haddonfield, N. J.	300
3MU	Baily, William J., jr.	5417 Addison St., Philadelphia, Pa.	128
3CS	Baker, Harold Z.	134 N. Church St., Waynesboro, Pa.	550
3FL	Ballentine, Charles S.	4810 Germantown Ave., Philadelphia, Pa.	50
3MX	Barker, Thomas H., jr.	Gladwyne, Pa.	11
3SW	Barnard, Julian W.	Bryn Mawr, Pa.	1,000
3MS	Barnhart, Lawrence W.	1637 N. 6th St., Harrisburg, Pa.	40
3KN	Barr, Richard H.	602 W. Chestnut St., Lancaster, Pa.	440
3RZ	Barrett, Montague W.	222 Dartmouth St., Norfolk, Va.	500
3SY	Barretta, Valroy S.	518 Elmer St., Vineland, N. J.	440
3WY	Basford, Robert F.	5308 Haverford Ave., Philadelphia, Pa.	18
3PE	Bassett, William W.	205 Mohawk St., Norwood, Pa.	18
3AEK	Baughman, George E.	317 Fairfax Ave., Norfolk, Va.	220
3AJ	Bausman, George H.	1246 N. Broadway, Baltimore, Md.	75
3SK	Baxley, C. Herbert.	1126 W. North Ave., Baltimore, Md.	50
3VM	Baynes, Ralph J.	812 Vandever Ave., Wilmington, Del.	36
3BL	Beach, Harry L.	3711 M St. NW., Washington, D. C.	48
3AIR	Beaumont, Robert H.	7432 Devon St., Philadelphia, Pa.	36
3WS	Beaumont, Robert H.	Atlantic City, N. J.	1,000
3AAV	Bechler, William C., jr.	1443 S. 3d St., Philadelphia, Pa.	12
3AGI	Beck, Rodney M.	4833 Pulaski Ave., Philadelphia, Pa.	15
3WA	Beck, Russell G.	2015 N. 17th St., Philadelphia, Pa.	15
3WV	Becker, Frank F.	2118 N. 5th St., Philadelphia, Pa.	14
3JS	Beekley, Francis C.	116 N. Lemon St., Media, Pa.	485
3NL	Behm, L. F. F.	1519 Poplar Grove St., Baltimore, Md.	250
3AEF	Beidelman, Harry A.	840 Elm St., Camden, N. J.	18
3NI	Bell, Albert A., jr.	8 Catalpha Ave., Hamilton, Md.	550
3AII	Bennum, George W., jr.	Georgetown, Del.	12
3JQ	Benson, Thomas W.	2808 W. Lawrence St., Philadelphia, Pa.	48
3VY	Beresford, Rees H.	5023 Walnut St., Philadelphia, Pa.	24
3DC	Bergen, Donald M.	920 Riverside Ave., Trenton, N. J.	510
3PY	Bergey, H. Leon.	Lansdale, Pa.	770
3JJ	Bergmann, Frederick J.	1310 W. Alleghany Ave., Philadelphia, Pa.	18
3WW	Bernert, Joseph, jr.	440 Diamond St., Philadelphia, Pa.	18
3DE	Bernert, Joseph, jr.	Philadelphia, Pa. (portable station).	24
3ADG	Bernhard, John S.	722½ N. Penn St., Allentown, Pa.	10
3VL	Bernstein, Abe R.	621 Queen St., Norfolk, Va.	385
3MO	Bickel, E. Clifton.	758 High St., Porttatown, Pa.	1,000
3CC	Biddle, Howard L., jr.	319 Hillside Ave., Jenkintown, Pa.	12
3HW	Bidwell, George L.	1245 Everts St. NE., Washington, D. C.	48
3NH	Bierfreund, Max A.	517 Penn St., Camden, N. J.	350
3LQ	Birch, Stanford S.	45 Washington Ave., Collingswood, N. J.	100
3RP	Blackwood, George C.	5346 Wayne Ave., Philadelphia.	120
3AAI	Blake, John M.	2506 Maryland Ave., Baltimore, Md.	300
3TV	Blanford, Irving.	922 North St., Portsmouth, Va.	330
3GN	Board of Public Educa- tion.	Lehigh Ave. and 8th St., Philadelphia, Pa.	490
3FX	Bonsall, Thomas F.	213 Chester Ave., Glenolden, Pa.	18

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
3SN	Bourgeois, Edmund R.	901 Central Ave., Ocean City, N. J.	550
3TL	Bowes, Joseph J.	2647 Agate St., Philadelphia, Pa.	30
3AIX	Bowman, Christian M.	150 E. Chestnut St., Lancaster, Pa.	265
3RG	Bowman, Philip W.	202 E. Montgomery St., Baltimore, Md.	10
3HJ	Bradley, Horace E.	315 V St. N.E., Washington, D. C.	36
3SO	Bradshaw, R. B.	239 Chestnut St., Haddonfield, N. J.	12
3BO	Brady, John B.	Somerset, Md.	330
3UZ	Braidwood, Thomas W.	Anglesea, N. J.	48
3NZ	Branin, Manlif L.	4516 Pacific Ave., Wildwood, N. J.	18
3EV	Brannan, Julian L.	2632 Guilford Ave., Baltimore, Md.	100
3SS	Brany, Emil B.	441 Goepf St., Bethlehem, Pa.	1, 000
3EA	Brashears, Paul B.	Hunter, Va.	72
3VE	Brenner, Samuel	5025 Walnut St., Philadelphia, Pa.	30
3AGM	Breuil, James F.	209 Rutgers St., Swarthmore, Pa.	36
3TP	Brittingham, Otis B.	1038 North St., Portsmouth, Va.	-----
3JW	Broadbelt, J. Edward, jr.	2723 Guilford Ave., Baltimore, Md.	18
3JH	Brockman, Francis C.	3 N. Main St., Nazareth, Pa.	770
3DF	Brockway, Ladue M.	154 Bickley Ave., Glenside, Pa.	18
3AHS	Brown, Edwin H.	125 State St., Harrisburg, Pa.	450
3AAF	Bruddenell, Norman	2123 W. Pacific St., Philadelphia, Pa.	24
3AGO	Brunhouse, Jacob S.	431 W. York Ave., York, Pa.	550
3GF	Bryce, Stanley C.	1626 N. 13th St., Philadelphia, Pa.	250
3BK	Bryce, Stanley C.	Seaside Park, N. J.	250
3OQ	Bryson, Harold E.	Laurel Springs, N. J.	330
3CP	Bunting, George M., jr.	315 E. Broad St., Chester, Pa.	500
3PV	Bunting, Theodore R.	4202 Granby St., Norfolk, Va.	440
3JI	Burdette, Aubrey W.	Adam St., Rockville, Md.	1, 000
3NW	Burke, Thomas J.	1750 S. Mole St., Philadelphia, Pa.	32
3SM	Burnett, A. Elmo.	418 N. 23d St., Richmond, Va.	18
3UW	Call, J. Richard	114 Walnut St., Haddonfield, N. J.	275
3QI	Cameron, Lloyd W.	728 Richey Ave., West Collingswood, N. J.	15
3UJ	Campbell, James D.	214 Wyncote Rd., Jenkintown, Pa.	250
3CO	Campbell, James S.	1700 S. 60th St., Philadelphia, Pa.	75
3BW	Campbell, John W.	1209 N. 25th St., Philadelphia, Pa.	30
3AHA	Carlisle, John F.	1015 10th Ave., Moore, Pa.	15
3UN	Carpenter, C. Ellwood, jr.	Ocean City, N. J.	400
3BX	Carpenter, C. Ellwood, jr.	7417 Sprague St., Philadelphia, Pa.	250
3QQ	Cassady, Park H.	Hershey, Pa.	550
3AIW	Chadwick, Herbert E.	164 Lismore Ave., Glenside, Pa.	27
3KO	Chalmers, Edwin L.	125 Burk Ave., Wildwood, N. J.	36
3IM	Chambers, Joseph D.	605 Lafayette St., Cape May, N. J.	12
3FM	Channell, John W.	5213 Germantown Ave., Philadelphia, Pa.	24
3ST	Chappell, Ralph R.	2112 E. Clay St., Richmond, Va.	30
3AHP	Chesser, Page P. A.	Georgetown, Del.	20
3UT	Cianfrani, Theodore	1217 Morris St., Philadelphia, Pa.	45
3BG	Clark, Edwin T.	1244 Fitzgerald St., Philadelphia, Pa.	12
3FQ	Clark, William R.	38 N. Paxton St., Philadelphia, Pa.	20
3AAH	Clayton, Davis J.	Crosswicks, N. J.	36
3WM	Cloman, William E.	19 Kossuth St., Baltimore, Md.	36
3UR	Cohan, William W.	611 Lombard St., Philadelphia, Pa.	24
3MP	Cohen, Henry	600 S. 2d St., Philadelphia, Pa.	250
3CL	Coleman, Walter V.	2245 N. 15th St., Philadelphia, Pa.	30
3AO	Collier, Wilbur H.	820 W. Fayette St., Baltimore, Md.	330
3OZ	Collins, Benjamin W.	513 Ogden Ave., Swarthmore, Pa.	550
3AB	Conklin, Ira L.	3533 N. 21st St., Philadelphia, Pa.	440
3CI	Cook, Howell E.	Seaside House, Atlantic City, N. J.	200
3ADO	Coombs, John S.	Bethesda, Md.	300
3LR	Cooper, William F.	116 Ruby St., Lancaster, Pa.	250
3QT	Corderman, Roy C.	R. F. D. No. 6, Hagerstown, Md.	250
3WP	Cox, T. Newell	Pikesville, Md.	330

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Watts.</i>
3PT	Creager, E. Clark.....	Haverford, Pa.....	33
3BE	Critchlow, P. Davey....	2632 N. 17th St., Philadelphia, Pa.....	24
3NR	Croll, Robert S.....	30 S. West St., Allentown, Pa.....	60
3BR	Crothers, Harry W.....	3033 Susquehanna Ave., Philadelphia, Pa.....	24
3QJ	Crowley, Robert H.....	23 N. Dewey St., Philadelphia, Pa.....	30
3NC	Dalling, Howard.....	2942 High St., Camden, N. J.....	40
3FB	Darby, George B., jr.....	1 Bala Ave., Bala, Pa.....	550
3FA	Davis, Edwin L.....	3812 8th St. NW., Washington, D. C.....	490
3WL	Davis, Raymond.....	1416 Perry Place NW., Washington, D. C.....	1,000
3UG	Dearben, Rowland R., 3d	11th St. and 69th Ave., Philadelphia, Pa.....	220
3A1N	de Hegh, Claude S.....	232 N. Harrison St., Wilmington, Del.....	36
3QU	Deichmann, George L., jr	Park Heights Ave., Baltimore, Md.....	330
3FN	Deichmiller, Alvin.....	1323 S. Carey St., Baltimore, Md.....	24
3HZ	Delbert, Simon, jr.....	Media, Pa.....	960
3WZ	Delbert, Simon, jr.....	1724 Arch St., Philadelphia, Pa.....	18
3FF	Dempster, Warren J.....	118 Cleveland Ave., Norwood, Pa.....	18
3LP	Densham, Harry W.....	124 Fern Ave., Collingswood, N. J.....	220
3FR	Densten, E. Craig.....	4771 Delaware Ave., Baltimore, Md.....	990
3QB	Derbyshire, Agnew W....	47 Clapier St., Germantown, Pa.....	25
3HY	Derr, Francis S.....	36 Franklin St., Somerville, N. J.....	120
3FY	Devlin, John L.....	5611 Angora Ave., Philadelphia, Pa.....	100
3JE	Dickerson, E. Stuart, jr..	121 W. Cedar Ave., Merchantville, N. J.....	20
3DJ	Diggins, Edward P. G....	1631 E. Eager St., Baltimore, Md.....	18
3RD	Dimling, Rudolph G. A..	Bancroft Park, Baltimore, Md.....	330
3SQ	Doughty, D. Roland.....	43 S. Congress Ave., Atlantic City, N. J.....	24
3GJ	Doughty, William R.....	218 E. Park Ave., Haddonfield, N. J.....	36
3AAY	Douglas, George S.....	31 Prospect St., Cumberland, Md.....	330
3MA	Downes, Marlboro K....	1002 E. Broad St., Richmond, Va.....	40
3LN	Doyle, John E.....	1931 N. Uber St., Philadelphia, Pa.....	990
3FT	Dudley, De Witt C.....	3916 Market St., Philadelphia, Pa.....	30
3MD	Dulany, Franklin R.....	5 W. Walnut Ave., Merchantville, N. J.....	220
3LT	Dunbar, Lewis T.....	R. F. D. No. 1, Bristol, Pa.....	36
3AHO	Dunn, John M.....	30 Union St., Salem, N. J.....	373
3FO	du Pont de Nemours Powder Co.	10th and Market Sts., Wilmington, Del..	448
3UM	Durham, Edmund B.....	85 South St., Somerville, N. J.....	30
3VA	Durham Wilson N.....	4618 Spruce St., Philadelphia, Pa.....	60
3AK	Duvall, Edward B.....	20 E. Madison St., Baltimore, Md.....	250
3LC	Eberly, Jacob A., jr.....	2601 Columbia Ave., Philadelphia, Pa.....	250
3TF	Ebert, Burton E.....	Shiloh, N. J.....	28
3CS	Ecton, Albert F.....	822½ 7th St. SW., Washington, D. C.....	45
3TJ	Edson, Howard D.....	1505 N. Gratz St., Philadelphia, Pa.....	210
3FV	Edwards, Charles.....	3345 Ella St., Philadelphia, Pa.....	120
3BN	Egan, John E.....	1332 N. Merrine St., Philadelphia, Pa.....	27
3VI	Egner, John.....	3125 N. 7th St., Philadelphia, Pa.....	40
3FO	E. I. du Pont de Nemours Powder Co.	10th and Market Sts., Wilmington, Del..	448
3IH	Eisele, Edward, jr.....	1116 Glenwood St., Philadelphia, Pa.....	66
3BQ	Eller, George O.....	717 7th St. SE., Washington, D. C.....	36
3LU	Ellis, J. Elton.....	1929 Hoffman St., Philadelphia, Pa.....	24
3CR	Ellis, William G.....	2204 N. 15th St., Philadelphia, Pa.....	1,000
3AW	Ely, Harry S.....	215 S. Washington St., Baltimore, Md.....	275
3DR	Eyster, James A.....	317 Washington Ave., Haddonfield, N. J.....	540
3HT	Falkenburg, August E....	512 Franklin Ter., Baltimore, Md.....	550
3LM	Faries, Walter R.....	Llankerris Rd., Bala, Pa.....	30
3AAU	Faulstich, Chester W....	1535 Clifton St., Baltimore, Md.....	12
3IZ	Faunce, B. Warren.....	26 Bala Ave., Bala, Pa.....	30
3OT	Faust, Elmer J.....	728 Hamilton St., Allentown, Pa.....	300
3TR	Fell, David B.....	19 Park Ave., Ogontz, Pa.....	300
3GM	Fellows, J. Howard.....	5504 Wisconsin Ave., Washington, D. C.....	23

102 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Watts.</i>
3JU	Fenimore, Robert S.....	Windsor Mill Rd., Baltimore, Md.....	24
3RC	Fenton, Edward T.....	Park Heights Ave., Baltimore, Md.....	330
3CH	Ferris, Malcolm.....	3409 Baring St., Philadelphia, Pa.....	440
3IX	Field, Harry P.....	219 39th St., Norfolk, Va.....	440
3OP	Pink, Louis, 3d.....	Laurel Springs, N. J.....	100
3BA	Fisher, George H., jr.....	35 N. 54th St., Philadelphia, Pa.....	18
3DZ	Fisher, Roy S.....	3520 Disston St., Philadelphia, Pa.....	1,000
3HO	Fithian, William S., jr.....	313 E. Commerce St., Bridgeton, N. J.....	550
3BH	Fletcher, Bryan S.....	1350 South Carolina Ave. SE., Wash- ington, D. C.	16
3AFH	Fliegel, William M.....	4535 N. 17th St., Philadelphia, Pa.....	12
3VX	Flounders, Newton.....	Media, Pa.....	750
3KC	Flynn, Thomas F.....	Mineral, Va.....	450
3DN	France, A. Ward.....	3544 N. 18th St., Philadelphia, Pa.....	14
3JN	Frankenfield, Albert L.....	230 N. Wilton St., Philadelphia, Pa.....	250
3AEA	Frederick, Charles A.....	50 Garrison St., Bethlehem, Pa.....	24
3JM	Freedom, Leon.....	Franklin and 14th Sts., Baltimore, Md.....	500
3VS	French, Edward R., jr.....	231 9th St. SE., Washington, D. C.....	16
3EL	Fricke, Henry W. L.....	801 Aisquith St., Baltimore, Md.....	1,000
3NB	Frye, Marcus, jr.....	616 Elmer St., Vineland, N. J.....	700
3WB	Frye, Marcus, jr.....	Sea Isle City, N. J.....	800
3QP	Fulton, Harold E.....	1643 Turner St., Allentown, Pa.....	36
3AAB	Furst, John F.....	Morrell Park, Md.....	60
3QH	Fusselman, John.....	2436 W. Jefferson St., Philadelphia, Pa.....	18
3AE	Gaffey, James H.....	1427 E. Hoffman St., Baltimore, Md.....	80
3AAJ	Gallagher, Edward J., 3d.....	1812 N. Van Pelt St., Philadelphia, Pa.....	36
3ADR	Gardner, Arthur C.....	321 Laurel St., Lancaster, Pa.....	40
3AHI	Gardner, William.....	Edgemoor, Del.....	14
3RO	Garver, Edwin H.....	118 East Ave., Hagerstown, Md.....	550
3NF	Gaskill, William W.....	226 E. Washington Ave., Merchantville, N. J.	32
3AY	Gaskins, Richard W.....	931 North St., Portsmouth, Va.....	300
3WN	Gaty, John P. and Lewis R.	29 Morris Ave., Morristown, N. J.....	550
3CU	Gauss, Harry W.....	221 5th St. SE., Washington, D. C.....	32
3UI	George, John R.....	222 Wyoming Ave., Philadelphia, Pa.....	36
3SV	Gerhart, Samuel R.....	1709 Columbia Ave., Philadelphia, Pa.....	48
3AV	Gerns, William H.....	1663 Wisconsin Ave., Washington, D. C.....	48
3SX	Gieske, Alfred W., jr.....	Catonsville, Md.....	330
3UA	Gilbert, Harry P., jr.....	401 Washington St., Portsmouth, Va.....	220
3AZ	Gillingham, George L., jr.....	4508 Richmond St., Bridesburg, Pa.....	440
3AR	Gilpin, Levering H.....	2702 N. Calvert St., Baltimore, Md.....	770
3SJ	Glenn, Charles R.....	1919 Penrose Ave., Baltimore, Md.....	24
3AIF	Gluck, Earle.....	Berwick Ave., Hamilton, Md.....	500
3LO	Godfrey, Clarence M.....	915 14th St. SE., Washington, D. C.....	36
3IF	Godfrey, Earle.....	Guarantee Trust Bldg., Atlantic City, N. J.	550
3NK	Godfrey, Howard L.....	2150 N. Corlies St., Philadelphia, Pa.....	30
3FG	Godfrey, James M.....	5037 Springfield Ave., Philadelphia, Pa.....	500
3WX	Goebel, Eugene S.....	1601 Columbia Ave., Philadelphia, Pa.....	36
3KB	Goodall, Alfred B.....	518 Rhode Island Ave. NE., Washing- ton, D. C.	60
3WO	Goodwin, Harold F.....	244 Eric Ave., Philadelphia, Pa.....	40
3UY	Gordon, Horace W.....	5115 Spruce St., Philadelphia, Pa.....	152
3OL	Grant, Arthur F.....	2112 Venango St., Philadelphia, Pa.....	100
3KM	Gray, Gerald.....	92 Main St., Newton, N. J.....	21
3KF	Green, Anthony J.....	1112 S. Lakewood Ave., Baltimore, Md.....	10
3AGT	Gresh, Harold.....	Main St. and Franklin Ave., Norristown, Pa.	550
3LV	Griffin, Aloysius.....	706 Pine St., Bristol, Pa.....	36

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
3VK	Griffith, Dorsey J.	3104 R St. NW., Washington, D. C.	50
3PZ	Griffith, Elmer G.	1824 Cayuga St., Philadelphia, Pa.	50
3AL	Guenzel, Herman A.	410 Buttonwood St., Philadelphia, Pa.	36
3HD	Haake, William F.	3429 Frederick Ave., Baltimore, Md.	18
3RQ	Haas, Jerome S.	2011 Atlantic Ave., Atlantic City, N. J.	451
3QF	Haig, J. Donald.	118 E. Maple Ave., Merchantville, N. J.	20
3QO	Hake, Elias G.	614 Goepf St., Bethlehem, Pa.	18
3NM	Haldeman, George E.	849 Maple Ave., Collingswood, N. J.	18
3AIG	Hale, Charles W.	107 Aberdeen Ave., Wayne, Pa.	20
3OD	Hall, Leroy.	86 V St. NW., Washington, D. C.	12
3QV	Hall, Robert S.	Clarke's Lane, Arlington, Md.	550
3AEM	Halpenny, Richard R.	73 Seaton Pl., Washington, D. C.	63
3RV	Hammill, McClintock, jr.	1822 Spruce St., Philadelphia, Pa.	18
3JT	Hampson, George M.	731 Newington Ave., Baltimore, Md.	100
3JY	Hann, Charles B.	206 E. Preston St., Baltimore, Md.	250
3HR	Harmer, Robert H.	173 Lismore Ave., Glenside, Pa.	36
3PH	Harris, Edwin R.	61 N. 61st St., Philadelphia, Pa.	60
3PJ	Harris, S. Sylvan.	3413 Judson St., Philadelphia, Pa.	40
3LY	Harris, William J.	23d and Howard Sts., Chester, Pa.	25
3AIA	Harrisburg Wireless Equipment Co.	1630 5th St., Harrisburg, Pa.	330
3AGD	Harrison, Edward A.	320 Mt. Carmel Ave., Glenside, Pa.	45
3QW	Harsch, Lawrence P.	Mt. Rainier, Md.	480
3VJ	Harvey, Edmund H.	Secane, Pa.	60
3FS	Harwood, Theodore O.	1326 N. Broadway, Baltimore, Md.	20
3ID	Hasenus, Joseph F.	2328 N. Fairhill St., Philadelphia, Pa.	75
3AED	Haslett, Harold D.	1822 N. Croskey St., Philadelphia, Pa.	18
3ADT	Hastings, Harris.	905 B St. NE., Washington, D. C.	20
3LI	Heck, Lewis O.	1614 Webster St., Baltimore, Md.	330
3AEW	Heller, Adolph.	214 Laurel St., Bridgeton, N. J.	27
3AGE	Hemphill, William J., jr.	235 Wyoming Ave., Philadelphia, Pa.	27
3BJ	Henderson, Frank.	813 Highland Ave., Philadelphia, Pa.	275
3DW	Hermanns, A. Walter.	Philadelphia, Pa. (portable station)	36
3SZ	Herdon, London C.	409 Middle St., Portsmouth, Va.	25
3EM	Heyser, Wilber A.	337 W. Marshall St., Norristown, Pa.	30
3HM	Hickman, Paul W.	1917 Green St., Philadelphia, Pa.	330
3JO	Hicks, A. Willett, jr.	1275 S. Madison St., Allentown, Pa.	60
3AAX	Hicks, Thomas R.	425 Miner St., West Chester, Pa.	27
3AAM	Hillman, Joseph.	315 Biddle St., Baltimore, Md.	36
3OO	Hindin, Louis N.	1615 S. 5th St., Philadelphia, Pa.	48
3ND	Hirst, Arthur C.	Haverford, Pa.	400
3MF	Hitchner, Clyde G.	405 8th St., Vineland, N. J.	32
3JX	Hoagland, Donald.	43 Lake St., Bridgeton, N. J.	180
3RI	Hodges, R. E. L.	2648 Maryland Ave., Baltimore, Md.	330
3RU	Hoff, J. Marshall.	4909 Knox St., Philadelphia, Pa.	36
3BT	Hoffman, W. Hollis.	Cold Spring, N. J.	18
3KK	Hofmann, George A.	Engle Ave., Burlington, N. J.	60
3AQ	Hogan, Harold O.	2616 Guilford Ave., Baltimore, Md.	225
3US	Holcombe, Alex. H., jr.	343 Bala Ave., Cynwyd, Pa.	440
3AEN	Holstein, Hubert.	1932 Page St., Philadelphia, Pa.	18
3PS	Holt, Clarence J.	136 D St. SE., Washington, D. C.	36
3GU	Hopkins, Robert E.	2428 Nicholas St., Philadelphia, Pa.	36
3AET	Horner, George E.	734 Market St., Camden, N. J.	18
3AHK	Houck, Harry W.	New Cumberland, Pa.	1,000
3PX	Howard, H. Trumbull.	221 Park Ave., Swarthmore, Pa.	50
3UC	Howell, S. Van S.	Clinton, N. J.	22
3UP	Howlett, Joseph T. F.	Philadelphia, Pa. (portable station)	100
3UF	Howlett, Joseph T. F.	2303 N. Broad St., Philadelphia, Pa.	330
3UQ	Howlett, Joseph T. F.	Mt. Pocono, Pa.	1,000
3AFO	Huddy, James J., jr.	1906 Wolf St., Philadelphia, Pa.	100

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Watts.
3AHL	Hunter, Clarence B.	256 Linden St., Moorestown, N. J.	60
3TE	Huyette, Paul B.	4608 Wayne Ave., Philadelphia, Pa.	60
3WF	Huyler, Rollin M.	Mt. Tabor, N. J.	100
3SE	Hyatt, C. Brown.	310 Carlisle Ave., York, Pa.	330
3LB	Iddings, Frederick T.	1608 Linden Ave., Baltimore, Md.	990
3BY	Ilyus, Edmund B.	130 E. Walnut St., Lancaster, Pa.	36
3CJ	Imfield, Fred H.	117 N. 6th St., Philadelphia, Pa.	330
3IE	Jacobson, Bernard H.	3803 Park Heights Ave., Baltimore, Md.	550
3OV	Jacoby, Arthur C.	517 Linden St., Allentown, Pa.	15
3AU	Jewett, R. W. Dickinson.	1833 Jefferson Pl. NW., Washington, D. C.	35
3ADL	Johnson, Alward G., jr.	1718 19th St. NW., Washington, D. C.	40
3OG	Jones, John W.	328 Cooper St., Camden, N. J.	30
3NP	Jones, La Frantz.	923 French St., Wilmington, Del.	24
3TB	Judson, Elbert B.	111 13th St. SE., Washington, D. C.	45
3AAC	Kahn, Jack.	509 N. Jefferson St., Kittanning, Pa.	48
3AIE	Keim, Jonathan D.	81 Keim St., Pottstown, Pa.	550
3AHD	Keller, John H.	2631 N. 6th St., Harrisburg, Pa.	60
3TZ	Kellert, Charles.	1208 St. Matthew St., Baltimore, Md.	300
3OB	Kennedy, Ignatius L.	28 S. Market St., Frederick, Md.	24
3EP	Kennedy, Joseph H.	2052 E. Fletcher St., Philadelphia, Pa.	275
3SH	Kennyon, Walter R.	1838 Columbia Ave., Philadelphia, Pa.	511
3OK	Kerr, William C.	Frederick Road, Catonsville, Md.	24
3TT	Kindt, Charles F., jr.	301 Washington Lane, Jenkintown, Pa.	275
3MM	King, Albert.	209 St. Mary St., Burlington, N. J.	350
3RP	Kirby, Elmer S.	5300 Glenmore Ave., Philadelphia, Pa.	20
3RH	Kline, H. N. Gay.	Central Ave., Sea Isle City, N. J.	550
3AAO	Klock, Victor J.	707 N. Seventh St., Camden, N. J.	24
3KX	Knight, G. Webber, jr.	1545 Walnut St., Harrisburg, Pa.	1,000
3IQ	Knoll, Lloyd M.	3260 Chestnut St., Philadelphia, Pa.	500
3SL	Knoppel, Herman L.	136 Linsmore Ave., Glenside, Pa.	250
3FJ	Knowles, Edward P., jr.	416 Princeton Ave., Trenton, N. J.	24
3EZ	Koller, Donald B.	301 Reading Ave., West Reading, Pa.	330
3BB	Kralovec, Dalibor.	3535 N. Water St., Philadelphia, Pa.	32
3HX	Kratz, Herman A.	2001 W. Pratt St., Baltimore, Md.	173
3DL	Kreis, William J.	623 N. Penn St., Allentown, Pa.	80
3WU	Kressel, Gordon.	1368 Park Blvd., Camden, N. J.	30
3AD	Krips, James A. C.	105 Fern Ave., Collingswood, N. J.	36
3TY	Krone, Julian E.	2908 West Ave., Newport News, Va.	500
3EI	Kumler, Kelvin C.	Kensington, Md.	330
3CF	Laager, Creston F.	1029 Belmont Ave., West Philadelphia, Pa.	36
3GV	Laber, Joseph M.	2422 N. Gratz St., Philadelphia, Pa.	18
3OS	Lafferty, Francis A.	1717 Ingersoll St., Philadelphia, Pa.	18
3VD	Lamb, Franklin.	623 Elmer St., Vineland, N. J.	600
3ME	Lamdin, Charles R.	4016 Edmonson Ave., Baltimore, Md.	500
3QG	Landis, Harold O.	341 N. Front St., Reading, Pa.	36
3TC	Landis, Harry.	2436 Corlies St., Philadelphia, Pa.	36
3CW	Lange, J. Robert.	1938 Lemmon St., Baltimore, Md.	16
3QC	Lanning, John M.	77 E. Commerce St., Bridgeton, N. J.	550
3RJ	La Rue, Robert G.	264 Main St., Hackettstown, N. J.	7
3EB	La Salle College.	1240 N. Broad St., Philadelphia, Pa.	715
3AHE	Lazarus, Sanford S.	576 Madison Ave., York, Pa.	550
3OY	Le Faucheur, Albert R.	407 Raleigh St., Norfolk, Va.	180
3ED	Legg, Albert A.	1931 N. 23d St., Philadelphia, Pa.	16
3OI	Lehmberg, Henry.	2110 N. 4th St., Philadelphia, Pa.	20
3AHW	Leigh, Walter S.	Clinton, N. J.	36
3BZ	Leister, Fayette.	331 N. Fulton St., Philadelphia, Pa.	36
3ADI	Leopold, William.	2110 N. 4th St., Philadelphia, Pa.	20
3AAE	Lesky, William.	2800 Snyder Ave., Philadelphia, Pa.	30
3TW	Leslie, Malcolm C.	749 Asbury Ave., Ocean City, N. J.	18

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Watts.</i>
3LA	Levin, Davis.....	44 S. Bond St., Baltimore, Md.....	30
3OH	Levy, Lewis.....	243 E. Pearl St., Burlington, N. J.....	20
3AHF	Lewis, Clarence B.....	Proffet, Va.....	36
3RB	Lewis, Ellis.....	658 Linden Ave., York, Pa.....	880
3AAL	Lewis, John B.....	5108 Whitney Ave., Philadelphia, Pa.....	440
3AER	Linderborn, Russel.....	631 E. Clement St., Baltimore, Md.....	18
3AFN	Lippincott, Bertram.....	1712 Spruce St., Philadelphia, Pa.....	24
3RE	Longaker, Abram.....	216 Zeralda St., Philadelphia, Pa.....	60
3AAD	Longfellow, Charles F., jr.....	3038 R St. NW., Washington, D. C.....	60
3DU	Louchheim, William S.....	Jenkintown, Pa.....	36
3UX	Loughlin, John K.....	2215 Hunting Park Ave., Philadelphia, Pa.....	16
3DI	Lowell, Percival D.....	2838 27th St. NW., Washington, D. C.....	500
3WQ	Lower Marion High School.....	Ardmore, Pa.....	500
3DX	Lukens, Wilfred P.....	527 Spring Hill Ave., Conshohocken, Pa.....	605
3AAR	Lum, Robert Bruce.....	64 Greene Ave., Madison, N. J.....	250
3PM	Lusse, Richard N.....	2855 N. 8th St., Philadelphia, Pa.....	60
3LG	Lyon, Harry II.....	Hyattsville, Md.....	500
3UL	Lyon, Raymond S.....	527 William St., Boonton, N. J.....	160
3GH	MacDonald, Stuart.....	209 N. 53d St., Philadelphia, Pa.....	330
3EQ	MacKendrick, Robert G.....	307 Amos Ld. Rd., Holmes, Pa.....	1,000
3AM	Majer, Carl.....	Philadelphia, Pa. (portable station).....	330
3MH	Markham, Lester M.....	5108 Baltimore Ave., Philadelphia, Pa.....	30
3ES	Martin, E. Linton.....	315 Radcliffe St., Bristol, Pa.....	64
3LK	Martin, Robert C.....	2500 N. 19th St., Philadelphia, Pa.....	25
3ER	Maryland School of Te- legraphy.....	Baltimore, Md.....	550
3AIV	Mastin, Marion G.....	1438 Meridian Pl., Washington, D. C.....	27
3ON	Matos, Walter A.....	309 College Ave., Swarthmore, Pa.....	120
3DO	Maxson, Donald L.....	Kensington, Md.....	330
3ADS	McAllister, Louis E.....	807 Asbury Ave., Ocean City, Md.....	250
3TU	McAnally, Charles G.....	1601 Lincoln Ave., Moore, Pa.....	12
3GS	McCafferty, Rea B.....	750 S. 60th St., Philadelphia, Pa.....	72
3JL	McCaskey, Edward R.....	1029 Main St., Darby, Pa.....	500
3AIS	McClanen, Wilson T.....	3326 Van Kirk St., Wissinoming, Pa.....	420
3RL	McClellan, Frederick W.....	180 Main St., Hackettsville, N. J.....	6
3LZ	McCullough, Earl N.....	125 N. Gross St., Philadelphia, Pa.....	10
3PK	McGear, Herbert K.....	3014 W. York St., Philadelphia, Pa.....	18
3EY	McIntyre, William.....	Oak Lane, Pa.....	440
3MB	McKee, W. Wesley.....	1411 W. Ontario St., Philadelphia, Pa.....	18
3ADF	McLean, Francis A.....	Dover, N. J.....	110
3VR	McVickar, W. Patton.....	635 Mohawk Ave., Norwood, Pa.....	500
3GL	Meck, Michael.....	1550 N. Allison St., Philadelphia, Pa.....	100
3MJ	Megowen, Horace L.....	4511 N. 18th St., Philadelphia, Pa.....	30
3NT	Melton, J. Carroll.....	422 Cambridge Crescent, Larchmont, Va.....	100
3MG	Mervine, Watson M.....	509 Laconey Ave., Palmyra, N. J.....	72
3RA	Messinger, Miles B.....	309 N. Linden St., Bethlehem, Pa.....	24
3PD	Meyer, Emil J.....	1919 Green St., Philadelphia, Pa.....	36
3RK	Meyer, Howard J.....	28 N. Church St., Camden, N. J.....	9
3AGS	Michael, Alvin G.....	550 Camp St., Harrisburg, Pa.....	48
3AC	Miller, Alfred H.....	6358 McCallum St., Philadelphia, Pa.....	18
3DY	Miller, Frederick E.....	1132 Mayer St., Philadelphia, Pa.....	18
3TD	Miller, Harry G.....	1526 2d Ave., York, Pa.....	500
3GQ	Miller, Kelly, jr.....	430 College St. NW., Washington, D. C.....	15
3AGN	Miller, Paul F.....	38 S. 5th St., Easton, Pa.....	275
3AI	Mohr, Paul D.....	537 Chestnut St., Emaus, Pa.....	500
3CK	Moody, Matthew C.....	120 Emily St., Philadelphia, Pa.....	12
3OM	Mooney, John, jr.....	2903 Girard Ave., Philadelphia, Pa.....	36
3GG	Moor, Percy W.....	6119 Ridge Ave., Philadelphia, Pa.....	30

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Watts.
3EK	Moore, Daniel D.	2308 N. Charles St., Baltimore, Md.	250
3CB	Moore, Earl T.	546 Stanbridge St., Norristown, Pa.	225
3AKA	Moore, James P.	123 S. Mass. Ave., Atlantic City, N. J.	56
3NQ	Moreley, Augustin II.	1008 McKean St., Philadelphia, Pa.	8
3WD	Moyer, Luke I.	2021 N. Lambert St., Philadelphia, Pa.	30
3UD	Mundy, Elmer.	1441 Willow St., Norristown, Pa.	275
3TG	Murphy, Clement H.	1838 N. Hope St., Baltimore, Md.	330
3HS	Murray, Eugene M.	Grays Lane, Haverford, Pa.	990
3AGR	Musante, Augustine F. S.	118 Darlington St., West Chester, Pa.	27
3KP	Myers, Roy R.	Main St., South Perkasio, Pa.	72
3GE	Nadig, Stanton E.	203 N. 4th St., Allentown, Pa.	20
3MI	Nash, Clifford S.	3615 N. 19th St., Philadelphia, Pa.	300
3CT	Nassau, James A.	1510 N. 18th St., Philadelphia, Pa.	50
3QY	Nees, Milton.	560 Chester Ave., Norwood, Pa.	36
3AAN	Nicholls, Verne.	512 Linden St., Bethlehem, Pa.	36
3TI	Nichols, Crawford V.	218 Crawford St., Portsmouth, Va.	30
3AGK	Nichols, Jack and William F.	Ambler, Pa.	250
3HL	Nielsen, Harold, jr.	8751 Frankford Ave., Holmesburg, Pa.	18
3EE	Nikirk, Thomas E.	Washington, D. C. (portable station).	50
3VU	Nikirk, Thomas E.	411 12th St. SE., Washington, D. C.	50
3RX	Nisley, Paul H.	2406 6th St., Harrisburg, Pa.	40
3AIP	Noble, Christopher.	303 E. Graves Lane, Philadelphia, Pa.	8
3KD	Noel, James F.	218 2d St. NE., Washington, D. C.	85
3GO	Norcross, Earl L.	216 Roberts Ave., Glenside, Pa.	500
3QA	O'Brien, Francis J.	2226 N. Carlisle St., Philadelphia, Pa.	500
3VZ	Orlando, Frank.	1948 S. 11th St., Philadelphia, Pa.	16
3AFK	Ott, Charles H.	3255 N. 15th St., Philadelphia, Pa.	60
3EG	Owen, A. Thomas.	562 Stanbridge St., Norristown, Pa.	20
3DM	Page, John C.	Friendship Heights, Md.	330
3CX	Parichy, Emery.	1118 William St., Trenton, N. J.	27
3NS	Parker, Joseph P.	808 3d St., Philadelphia, Pa.	12
3HE	Parks, Laurence W.	406 N. 38th St., Philadelphia, Pa.	12
3DS	Parks, Walther A.	901 Lawrence St. NE., Washington, D. C.	500
3AT	Parsons, Harry S.	13 N. Carey St., Baltimore, Md.	9
3NE	Passano, Leonard W.	2504 Maryland Ave., Baltimore, Md.	330
3OW	Patchel, Robert E.	532 S. 15th St., Philadelphia, Pa.	40
3AP	Patzschke, August.	Old Harford Rd., Hamilton, Md.	990
3CG	Pauly, Robert.	204 N. New St., Nazareth, Pa.	18
3IL	Pawson, James M.	336 W. Logan St., Philadelphia, Pa.	24
3FL	Pearson, Roland D.	Frankford, N. J.	500
3GI	Pelham, Fred B.	603 Howard Pl. NW., Washington, D. C.	74
3PN	Pemberton, Henry R.	1008 Clinton St., Philadelphia, Pa.	36
3TO	Pent, Robert E.	305 Wyncote Rd., Jenkintown, Pa.	250
3DB	Perry, Willard P., jr.	Titusville, N. J.	48
3SF	Peter, Armistead, 3d.	Tudor Pl. & 31st St., Washington, D. C.	275
3AIDP	Peterman, Abram.	693 Love Lane, Lancaster, Pa.	15
3DA	Peterson, Raymond E.	1602 S. Frazier St., Philadelphia, Pa.	16
3JB	Petit, Ernest L.	2344 McClellan St., Philadelphia, Pa.	100
3UK	Peysar, Philip S.	3208 West Ave., Newport News, Va.	24
3PW	Philadelphia School of Wireless Telegraphy.	Broad & Cherry Sts., Philadelphia, Pa.	495
3TX	Philadelphia Turnge- meinde Club.	1705 Broad St., Philadelphia, Pa.	330
3RM	Phillips, Albert L.	612 N. 2d St., Reading, Pa.	128
3AHN	Phillips, Charles E.	629 Linwood Ave., Collingswood, N. J.	18
3AIL	Phillips, Howard D.	121 Monroe St., Wilmington, Del.	60
3AFD	Phillips, William G.	140 Washington Ave., Collingswood, N. J.	330
3MC	Pillsbury, Martin K.	S. Broad St., Trenton, N. J.	54
3TA	Piper, S. Webster.	133 E. Antietam St., Hagerstown, Md.	500

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
3LD	Pisani, Sylvester.....	226 N. Calhoun St., Baltimore, Md.....	36
3HH	Place, Samuel W.....	662 Stanbridge St., Norristown, Pa.....	1,000
3MW	Poalk, James L., jr.....	325 Summit Ave., Jenkintown, Pa.....	60
3SP	Polk, Charles P.....	33 E. Walnut Ave., Merchantville, N. J.....	20
3AEL	Pollard, R. Spotswood.....	308 Elm Ave., Swarthmore, Pa.....	330
3OJ	Pool, J. Alexander.....	114 E. Montgomery Ave., Ardmore, Pa.....	250
3PF	Postpichal, Otto I.....	1617 S. 16th St., Philadelphia, Pa.....	26
3AEO	Pottorff, Russell.....	110 N. Church St., Waynesboro, Pa.....	500
3EH	Powell, Edwin L.....	1206 E. Capitol St., Washington, D. C.....	400
3ADM	Prescott, Henry E.....	1402 S. Ringold St., Philadelphia, Pa.....	18
3KY	Preston, James E.....	941 Oriental Ave., Collingswood, N. J.....	18
3EJ	Primrose, Donald L.....	2814 St. Paul St., Baltimore, Md.....	440
3AHM	Pritchard, John E.....	12 N. Warren St., Trenton, N. J.....	120
3AHG	Proeschold, Harold V.....	189 Everett Pl., Rutherford, N. J.....	100
3PG	Proudley, Charles E.....	21 R St. NW., Washington, D. C.....	32
3AGP	Pruzman, Charles H.....	1015 Union St., Reading, Pa.....	30
3WR	Pyle, W. A. Faries.....	1273 Park Blvd., Camden, N. J.....	150
3ADN	Quaintance, Leland C.....	1807 Phelps Pl., Washington, D. C.....	60
3FE	Rabl, Samuel.....	419 3d St., Baltimore, Md.....	90
3UO	Radio Apparatus Co. of America.	5847 Ellsworth St., Philadelphia, Pa.....	500
3PR	Ramsay, E. Frank.....	640 Irving St. NW., Washington, D. C.....	360
3RN	Ramsey, Howard N.....	96 W. Sharpnack St., Philadelphia, Pa.....	30
3VC	Rancetelli, Ernani.....	1435 S. Broad St., Philadelphia, Pa.....	66
3NU	Ranft, William Q.....	4107 Belle Ave., Baltimore, Md.....	36
3NG	Raser, Edward G.....	931 Edgewood Ave., Trenton, N. J.....	18
3TM	Rash, Franklin L.....	504 Claymont St., Wilmington, Del.....	48
3AEP	Rau, James F.....	1116 E. Tioga St., Philadelphia, Pa.....	30
3RW	Redgrave, De Witt C.....	1505 Bolton St., Baltimore, Md.....	250
3ADH	Reed, Charles J., jr.....	Sea Isle City, N. J.....	550
3EF	Reiff, W. Norman.....	916 Fayette St., Conshohocken, Pa.....	330
3SA	Requa, Fred A.....	4112 Frederick Ave., Baltimore, Md.....	272
3VB	Reuther, Harry R.....	108 Chestnut Ave., Takoma Park, Md.....	16
3KU	Reynolds, Edwin L.....	Bethesda, Md.....	400
3AIZ	Richardson, Francis.....	435 S. Orange St., Media, Pa.....	1,000
3DK	Richardson, Thomas L.....	Quarantine, Curtis Bay, Md.....	30
3BF	Richter, Harry A.....	2733 N. Fairhill St., Philadelphia, Pa.....	60
3AFS	Rieger, George, jr.....	Penllyn, Pa.....	48
3AFG	Rile, Joseph C.....	Broad Axe, Pa.....	660
3UH	Rivers, William L.....	1439 17th St., Philadelphia, Pa.....	50
3KZ	Roberts, Harold A.....	Kromer Ave., Berwyn, Pa.....	250
3NV	Robey, V. C. K.....	117 Commerce St., Rockville, Md.....	1,000
3GX	Robinson, George C.....	607 N. 10th St., Richmond, Va.....	108
3RR	Roeller, Harold C.....	66 Chestnut St., Pottstown, Pa.....	280
3CV	Rohrer, Harry B.....	75 Decatur St., Cumberland, Md.....	275
3GB	Rohrich, George J.....	Bethesda, Md.....	440
3AIT	Roland, Penn R.....	563 Haws Ave., Norristown, Pa.....	18
3MN	Rollins, Thomas E.....	1732 S. 21st St., Philadelphia, Pa.....	80
3VV	Rose, Harold W.....	St. Albans School, Washington, D. C.....	440
3UV	Ross, John W.....	214 14th St., Norfolk, Va.....	440
3AAG	Ross, William H.....	1639 Turner St., Allentown, Pa.....	36
3VP	Rothman, Charles.....	1837 Wilhelm St., Baltimore, Md.....	18
3JP	Rowe, Charles R.....	1308 Massachusetts Ave. SE., Washington, D. C.	18
3AAS	Rudrow, Robert G.....	1942 S. 22d St., Philadelphia, Pa.....	25
3TK	Savage, Thomas A.....	54 W. Willow Grove Ave., Philadelphia, Pa.	18
3EW	Scheffey, Ralph B.....	346 Lafayette St., Bristol, Pa.....	250
3AIU	Schimpf, Henry L.....	Philadelphia, Pa. (portable station).....	42
3AFW	Schimpf, Henry L.....	5020 Newhall St., Philadelphia, Pa.....	60

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Watts.</i>
3FK	Schleher, Paul H.	1912 N. Marvine St., Philadelphia, Pa.	42
3PA	Schlichting, E. N. E.	224 E. Burk Ave., Wildwood, N. J.	30
3AHT	Schmid, Edward A.	453 St. Joseph St., Lancaster, Pa.	36
3AEG	Schmidt, G. Ambrose.	1936 1st St. NW., Washington, D. C.	24
3JK	Schnable, Stanley E.	346 Goepp St., Bethlehem, Pa.	1,000
3IIN	Schuck, Leon H.	2441 N. 8th St., Philadelphia, Pa.	550
3UU	Schuck, Leon H.	Cape May, N. J.	1,000
3A1K	Schuller, Byron S.	28 S. Grant St., Waynesboro, Pa.	20
3IIQ	Schuller, Joseph T.	1329 Brown St., Philadelphia, Pa.	50
3OU	Schwering, Harry C., jr.	1533 S. 16th St., Philadelphia, Pa.	26
3GT	Searle, William J., jr.	164 Harrison Ave., Glenside, Pa.	300
3SU	Seeley, Alfred J.	241 N. Wilton St., Philadelphia, Pa.	250
3VT	Seidenberg, Frank.	4219 Parrish St., Philadelphia, Pa.	72
3QZ	Service, Charles A., jr.	Bala, Pa.	550
3SD	Shafer, Albert G.	201 Sylvan St., Rutledge, Pa.	15
3ADE	Shaffer, James A.	Grantam, Pa.	45
3AIM	Sharp, Lewis W.	322 Morgan Ave., Palmyra, N. J.	50
3IIP	Sheetz, George F.	121 Oak St., Cumberland, Md.	330
3EU	Shelley, F. Cheston.	2612 Hampden St., Baltimore, Md.	40
3IB	Sherrill, Arthur M.	329 W. School Lane, Philadelphia, Pa.	36
3AES	Sherwood, John R., jr.	Park Heights Ave., Baltimore, Md.	500
3LF	Shreiner, Carl H.	37 E. James St., Lancaster, Pa.	50
3IO	Shreve, Aaron F.	34 S. New York Ave., Atlantic City, N. J.	20
3OR	Signor, Frederick H.	700 G St. SE., Washington, D. C.	36
3FD	Simon, Walter.	1234 Carroll St., Baltimore, Md.	36
3AGW	Simons, Joseph M.	4553 Pulaski Ave., Philadelphia, Pa.	30
3ADK	Skiles, John D., jr.	438 N. Duke St., Lancaster, Pa.	550
3PP	Skinner, William H.	117 Glenn Rd., Ardmore, Pa.	250
3NO	Sleath, Robert W.	305 Schuylkill Ave., Reading, Pa.	6
3WK	Slifer, Wallace P.	N. 6th St., Philadelphia, Pa.	36
3DQ	Smith, G. Victor.	429 W. Hanover St., Bristol, Pa.	800
3PU	Smith, Hubert H.	721 N. 17th St., Philadelphia, Pa.	330
3KA	Smith, Norborne G.	South Hill, Va.	1,000
3FH	Smith, Sewall P.	Catonsville, Md.	275
3HG	Smith, W. P.	5046 Haverford Ave., Philadelphia, Pa.	250
3JR	Snow, Harold A.	1656 Newton St. NW., Washington, D. C.	30
3IK	Snyder, Harry H.	Cold Spring, N. J.	60
3AFE	Somers, Lewis S., jr.	3554 N. Broad St., Philadelphia, Pa.	40
3AAQ	Souder, Philip W.	728 State St., Camden, N. J.	24
3MY	Spaulding, Ralph F.	22 Simpson Rd., Ardmore, Pa.	48
3AGA	Speace, Alonzo L.	Cape May, N. J.	20
3SG	Speakman, Edwin G., jr.	908 D St. SW., Washington, D. C.	36
3DH	Stahl, Harry E., jr.	275 Bellevue Ave., Trenton, N. J.	200
3KI	Stanley, John S.	Laurel, Md.	500
3GY	Staub, James.	Sluice Rd., Burlington Township, N. J.	60
3NY	Steele, Sherman E.	122 S. Queen St., Lancaster, Pa.	200
3BC	Stephen, C. Chester.	Laurel Springs, N. J.	72
3HI	Stepp, John W.	630 Morton St. NW., Washington, D. C.	48
3VII	Stickell, Daniel R.	449 Potomac Ave., Hagerstown, Md.	550
3HK	Stokes, Josiah T.	15 W. Stiles Ave., Collingswood, N. J.	24
3JG	Stoughton, Henry F.	1819 W. Thompson St., Philadelphia, Pa.	50
3FW	Strailman, Gilbert T.	649 29th St., Newport News, Va.	48
3FP	Stratton, Milton W.	645 Plum St., Vineland, N. J.	75
3PQ	Strieby, Malcolm.	112 Rutgers Ave., Swarthmore, Pa.	250
3IT	Stritzel, Alfred H.	12 North Carolina Ave. South, Atlantic City, N. J.	250
3QS	Stubbs, Thomas H.	427 W. Union St., West Chester, Pa.	180
3AS	Stumpter, Albert G.	Old Harford Rd., Hamilton, Md.	440
3AGL	Sweger, Monroe J.	6033 Reinhart St., Philadelphia, Pa.	12
3TH	Tabb, Vincent W.	26 Court St., Portsmouth, Va.	30

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Watts.</i>
30F	Talbot, George L.	506 14th St., Highlandtown, Md.	165
3QL	Tapley, Robert E.	Hampton Court, Norfolk, Va.	18
3HB	Taylor, Sidney L. M.	17 Winona Ave., Norwood, Pa.	120
3AEI	Thomas, David.	200 Bethlehem Pike, Ambler, Pa.	36
3AFR	Thomas, Fred S., jr.	1715 Christian St., Philadelphia, Pa.	24
3EC	Thomson, Henry A.	Primes, Pa.	12
3CD	Thorman, Charles D.	9 Franklin Pl., Ardmore, Pa.	24
3AIB	Thurick, Andrew.	16 Reservoir St., Mt. Carmel, Pa.	36
3OE	Titus, George E.	249 Mt. Hope Ave., Dover, N. J.	24
3IY	Tolbert, Warren B.	7037 Hegerman St., Philadelphia, Pa.	24
3AHR	Tolbert, Warren B.	Philadelphia, Pa. (portable station).	50
3VF	Tompkins, E. Randolph	526 9th Ave., Roanoke, Va.	500
3MR	Toner, James I.	1432 Christian St., Philadelphia, Pa.	36
3AIP	Tranor, Harry W.	906 W. Park Sq., Moore, Pa.	24
3AH	Treide, Carl L.	2402 E. Baltimore St., Baltimore, Md.	500
3BI	Trieschman, Edward T.	Randallstown, Md.	27
3GK	Troth, Raymond H.	3350 N. 18th St., Philadelphia, Pa.	250
3MQ	Trumbower, Raymond.	24 Collingswood Ave., Oaklyn, N. J.	18
3AIY	Tuck, Wilbur A.	Point of Rocks, Md.	72
3TS	Turner, Alfred W.	61 Hampton St., Bridgeton, N. J.	18
3RY	Turner, Morris C., jr.	2613 Maryland Ave., Baltimore, Md.	330
3QR	Underhill, Chester R.	Brightside Farm, Guilford, Md.	200
3DV	Uphoff, Frank B.	3649 York Rd., Philadelphia, Pa.	30
3VQ	Uphoff, Frank B.	87-89 Thorofare Ave., Margate City, N. J.	30
3VW	Uphoff, Frank B.	Philadelphia, Pa. (portable station).	8
3CE	Upman, Edgar A.	1823 W. Fayette St., Baltimore, Md.	500
3AO	Urner, Joseph W.	215 E. 2d St., Frederick, Md.	24
3CM	Van Horn, J. Clunn.	5127 Arch St., Philadelphia, Pa.	500
3LL	Van Horn, J. Orville.	1427 N. 17th St., Philadelphia, Pa.	12
3SB	Van Hulsteyn, J. M. C.	Cockeysville, Md.	250
3ADW	van Reuth, Floris.	Hamilton, Md.	330
3QM	Varnes, Earl W.	8 Race St., Cambridge, Md.	48
3TN	Venn, Silas N.	900 Vandever Ave., Wilmington, Del.	250
3IN	Vogel, Charles C.	1244 N. Taney St., Philadelphia, Pa.	18
3RS	Vollten Theodore F.	Bethesda, Md.	440
3KL	Wagner, William H.	121 Obold St., West Reading, Pa.	18
3LW	Waite, John W.	2938 N. 3d St., Philadelphia, Pa.	55
3IR	Wallace, Lewis J.	2728 Poplar St., Philadelphia, Pa.	18
3RF	Wallace, William D.	1832 W. Fayette St., Baltimore, Md.	21
3NN	Wallen, Francis B.	405 Broadway, Camden, N. J.	50
3AN	Walsh, Maurice L.	819 W. Lexington St., Baltimore, Md.	500
3AAW	Walthall, John H.	267 W. York St., Norfolk, Va.	60
3PO	Watson, James B.	2412 S. Rosewood St., Philadelphia, Pa.	54
3VN	Ways, Clarence I.	10 Hanover St., Cumberland, Md.	550
3AG	Weant, Clarence H.	1546 Aisquith St., Baltimore, Md.	275
3AFA	Weber, Charles W.	Abington, Pa.	250
3AFT	Webster, Harold S.	3623 N. 16th St., Philadelphia, Pa.	40
3AEH	Wedge, Franklin W.	126 Athens Ave., Ardmore, Pa.	30
3OC	Wegner, Arthur H.	1751 U St. NW., Washington, D. C.	18
3AAT	Wegner, Edwin.	117 Northampton St., South Bethlehem, Pa.	330
3AHR	Weik, Charles F.	Philadelphia, Pa. (portable station).	50
3FC	Weik, Charles F.	7148 Vandyke St., Philadelphia, Pa.	24
3LH	Weiss, Leonard.	1608 South St., Philadelphia, Pa.	40
3HF	Weiss, Simon.	815 S. 5th St., Camden, N. J.	180
3NX	Wells, John M.	6118 Boynton St., Philadelphia, Pa.	42
3DT	Wells, William C., jr.	124 S. 66th St., Philadelphia, Pa.	495
3AF	West, William M.	1407 N. Central Ave., Baltimore, Md.	150
3FI	Wever, John A.	238 S. Patterson Park Ave., Baltimore, Md.	21
3KQ	Wexler, Bernard.	431 Dickinson St., Philadelphia, Pa.	495

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
3CZ	Wheatley, Douglas N. . . .	405 N. 32d St., Philadelphia, Pa.	48
3MV	Whitaker, Lorenzo D. . . .	937 14th St. SE., Washington, D. C. . . .	36
3DG	White, Norman P.	19 General Greene Ave., Trenton, N. J. . .	18
3EN	Whitney, Lucien S.	624 Quincy St. NW., Washington, D. C. .	440
3OX	Wick, Arthur.	2406 S. Percy St., Philadelphia, Pa. . . .	12
3NJ	Wicks, Preston S.	2206 Ruskin Ave., Baltimore, Md.	550
3SI	Williams, Harvey.	3523 N. 18th St., Philadelphia, Pa.	1,000
3AGF	Williamson, Robert M. . . .	4711 Pulaski Ave., Philadelphia, Pa. . . .	75
3AKD	Williamson, Robert M. . . .	5539 Central Ave., Ocean City, N. J. . . .	500
3BU	Wilson, Arthur J.	35 S. 45th St., Philadelphia, Pa.	18
3IV	Wilson, Willard S.	705 Adams St., Wilmington, Del.	490
3MK	Wilson, William P.	2400 Barclay St., Baltimore, Md.	60
3HA	Wiseman, Luther B.	330 W St. NW., Washington, D. C.	16
3HU	Witmer, Charles T.	133 W. Buttonwood St., Philadelphia, Pa. .	330
3WE	Wohlford, John F.	404 Elm Ave., Roanoke, Va.	500
3JD	Wolcott, Roger G.	224 41st St., Norfolk, Va.	440
3AFM	Wolfe, Charles S.	117 Pearl St., Norristown, Pa.	18
3BS	Wolff, William J.	2422 S. Isenminger St., Philadelphia, Pa. .	24
3VG	Wood, Frederick B.	Bryn Mawr, Pa.	330
3WH	Wood, Horace.	Chestertown, Md.	60
3GR	Wood, Richard M.	Keyworth Ave., Park Heights, Baltimore Md.	495
3QX	Worcester, Paul S.	1941 Green St., Harrisburg, Pa.	40
3DD	Work, Ashton G.	807 St. Charles Pl., Ocean City, N. J. . . .	250
3KJ	Worrest, Howard A.	629 N. Duke St., Lancaster, Pa.	130
3AGH	Wright, Ervin T.	58 Broad St., Salem, N. J.	250
3AAZ	Wright, S. Joseph.	Dushore, Pa.	24
3FU	Wunder, William F.	6211 Germantown St., Philadelphia, Pa. . .	80
3AFL	Wynkoop, John E.	4316 Chestnut St., Philadelphia, Pa.	30
3AIO	Wynkoop, John E.	Philadelphia, Pa. (portable station). . . .	18
3CQ	Yeager, George R.	718 S. American St., Philadelphia, Pa. . . .	50
3WT	Young, Walter T.	Nazareth, Pa.	36
3IG	Zabel, Roy E.	156 Lismore Ave., Glenside, Pa.	60
3NA	Zang, Joseph A., jr.	700 N. 37th St., Philadelphia, Pa.	440
3AID	Zilinskie, Stanley.	16 Reservoir St., Mt. Carmel, Pa.	36
3QN	Zinszer, Harvey A.	920 S. 6th St., Allentown, Pa.	120
3LS	Zito, Vincent.	213 N. Gay St., Baltimore, Md.	36
3PB	Zorger, Daniel H.	409 Kelker St., Harrisburg, Pa.	1,000

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
3AA	Ashmore, John W.	3AAR	Lum, Robert B.
3AAB	Furst, John F.	3AAS	Rudrow, Robert G.
3AAC	Kahn, Jack.	3AAT	Wegner, Edwin.
3AAD	Longfellow, Charles F., jr.	3AAU	Faulstich, Chester W.
3AAE	Lesky, William.	3AAV	Bechler, William C., jr.
3AAF	Brudenell, Norman.	3AAW	Walthall, John H.
3AAG	Ross, William H.	3AAX	Hicks, Thomas R.
3AAH	Clayton, David J.	3AAZ	Douglas, George S.
3AAI	Blak, John M.	3AAZ	Wright, S. Joseph.
3AAJ	Gallagher, Edward J., 3d.	3AB	Conklin, Ira L.
3AAL	Lewis, John B.	3AC	Miller, Alfred H.
3AAM	Hillman, Joseph.	3AD	Kripe, James A. C.
3AAN	Nicholls, Verne.	3ADE	Shaffer, James A.
3AAO	Klock, Victor J.	3ADF	McLean, Francis A.
3AAQ	Souder, Philip W.	3ADG	Bernhard, John S.

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3ADH	Reed, Charles J., jr.	3AGT	Gresh, Harold.
3ADI	Leopold, William.	3AGW	Simons, Joseph M.
3ADK	Skiles, John D., jr.	3AH	Treide, Carl L.
3ADL	Johnson, Alward G., jr.	3AHA	Carlisle, John F.
3ADM	Prescott, Henry E.	3AHD	Keller, John H.
3ADN	Quaintance, Leland C.	3AHE	Lazarus, Sanford S.
3ADO	Coombs, John S.	3AHF	Lewis, Clarence B.
3ADP	Peterman, Abram.	3AHG	Proeschold, Harold V.
3ADR	Gardner, Arthur C.	3AHI	Gardner, William.
3ADS	McAllister, Louis E.	3AHK	Houck, Harry W.
3ADT	Hastings, Harris.	3AHL	Hunter, Clarence B.
3ADW	van Reuth, Floris.	3AHM	Pritchard, John E.
3AE	Gaffey, James H.	3AHN	Phillips, Charles E.
3AEA	Frederick, Charles A.	3AHO	Dunn, John M.
3AED	Haslett, Harold D.	3AHP	Chesser, Page P. A.
3AEF	Beidelman, Harry A.	3AHR	Tolbert, Warren B., and Weik, Charles F.
3AEG	Schmidt, G. Ambrose.	3AHS	Brown, Edwin H.
3AEH	Wedge, Franklin W.	3AHT	Schmid, Edward A.
3AEI	Thomas, David.	3AHW	Leigh, Walter S.
3AEK	Baughman, George E.	3AI	Mohr, Paul D.
3AEL	Pollard, R. Spotswood.	3AIA	Harrisburg Wireless Equip- ment Co.
3AEM	Halpenny, Richard R.	3AIB	Thurick, Andrew.
3AEN	Holstein, Hubert.	3AID	Zilinskie, Stanley.
3AEO	Pottorff, Russell.	3AIE	Keim, Jonathan D.
3AEP	Rau, James F.	3AIF	Gluck, Earle.
3AER	Linderborn, Russel.	3AIG	Hale, Charles W.
3AES	Sherwood, John P., jr.	3AIH	Bennum, George W., jr.
3AET	Hornor, George E.	3AIK	Schuller, Byron S.
3AEW	Heller, Adolph.	3AIL	Phillips, Howard D.
3AF	West, William M.	3AIM	Sharp, Lewis W.
3AFA	Weber, Charles W.	3AIN	deHegh, Claude S.
3AFD	Phillips, William G.	3AIO	Wynkoop, John E.
3AFE	Somers, Lewis S., jr.	3AIP	Tranor, Harry W.
3AFG	Rile, Joseph C.	3AIR	Beaumont, Robert H.
3AFH	Fliegel, William M.	3AIS	McClanen, Wilson T.
3AFI	Backe, Louis M., jr.	3AIT	Roland, Penn R.
3AFK	Ott, Charles H.	3AIU	Schimpf, Henry L.
3AFL	Wynkoop, John E.	3AIV	Mastin, Marion G.
3AFM	Wolfe, Charles S.	3AIW	Chadwick, Herbert E.
3AFN	Lippincott, Bertram.	3AIX	Bowman, Christian M.
3AFO	Huddy, James J., jr.	3AIY	Tuck, Wilbur A.
3AFP	Noble, Christopher.	3AIZ	Richardson, Francis.
3AFR	Thomas, Fred S., jr.	3AJ	Bausman, George H.
3AFS	Rieger, George, jr.	3AK	Duvall, Edward B.
3AFT	Webster, Harold S.	3AKA	Moore, James P.
3AFW	Schimpf, Henry L.	3AKD	Williamson, Robert M.
3AG	Weant, Clarence H.	3AL	Guenzel, Herman A.
3AGA	Speace, Alonzo L.	3AM	Majer, Carl.
3AGD	Harrison, Edward A.	3AN	Walsh, Maurice L.
3AGE	Hemphill, William J., jr.	3AO	Collier, Wilbur H.
3AGF	Williamson, Robert M.	3AP	Patzschke, August.
3AGH	Wright, Ervin T.	3AQ	Hogan, Harold O.
3AGI	Beck, Rodney M.	3AR	Gilpin, Levering H.
3AGK	Nichols, Jack and William F.	3AS	Stumpter, Albert G.
3AGL	Sweger, Monroe J.	3AT	Parsons, Harry S.
3AGM	Breuil, James F.	3AU	Jewett, R. W. Dickinson
3AGN	Miller, Paul F.	3AV	Gerns, William H.
3AGO	Brunhouse, Jacob S.	3AW	Ely, Harry S.
3AGP	Pruzman, Charles H.	3AX	Arner, Oscar Q.
3AGR	Musante, Augustine F. S.		
3AGS	Michael, Alvin G.		

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3AY	Gaskins, Richard W.	3DE	Bernert, Joseph, jr.
3AZ	Gillingham, George L., jr.	3DF	Brockway, Ladue M.
3BA	Fischer, George H., jr.	3DG	White, Norman P.
3BB	Kralovec, Dalibor.	3DH	Stahl, Harry E., jr.
3BC	Stephen, C. Chester.	3DI	Lowell, Percival D.
3BD	Allen, Percival R.	3DJ	Diggins, Edward P. G.
3BE	Critchlow, P. Davey.	3DK	Richardson, Thomas L.
3BF	Richter, Harry A.	3DL	Kreis, William J.
3BG	Clark, Edwin T.	3DM	Page, John C.
3BH	Flather, Bryan S.	3DN	France, A. Ward.
3BI	Trieschman, Edward T.	3DO	Maxson, Donald L.
3BJ	Henderson, Frank	3DQ	Smith, G. Victor.
3BK	Bryce, Stanley C.	3DR	Eyster, James A.
3BL	Beach, Harry L.	3DS	Parks, Walthor A.
3BM	Allen, George Y.	3DT	Wells, William C., jr.
3BN	Egan, John E.	3DU	Louchheim, William S.
3BO	Brady, John B.	3DV	Uphoff, Frank B.
3BP	Blackwood, George C.	3DW	Hermanns, A. Walter.
3BQ	Eller, George O.	3DX	Lukens, Wilfred P.
3BR	Crothers, Harry W.	3DY	Miller, Frederick E.
3BS	Wolff, William J.	3DZ	Fisher, Roy S.
3BT	Hoffman, W. Hollis.	3EA	Brashears, Paul B.
3BU	Wilson, Arthur J.	3EB	LaSalle College.
3BV	Bacon, Franklin F.	3EC	Thomson, Henry A.
3BW	Campbell, John W.	3ED	Legg, Albert A.
3BX	Carpenter, C. Ellwood, jr.	3EE	Nikirk, Thomas E.
3BY	Ilyus, Edmund B.	3EF	Reiff, W. Norman.
3BZ	Leister, Fayette.	3EG	Owen, A. Thomas.
3CA	Adelberger, Adrian J.	3EH	Powell, Edwin L.
3CB	Moore, Earl T.	3EI	Kumler, Kelvin C.
3CC	Biddle, Howard L., jr.	3EJ	Primrose, Donald L.
3CD	Thorman, Charles D.	3EK	Moore, Daniel D.
3CE	Upman, Edgar A.	3EL	Fricke, Henry W. L.
3CF	Laager, Creston F.	3EM	Heyser, Wilber A.
3CG	Pauly, Robert.	3EN	Whitney, Lucien S.
3CH	Ferris, Malcolm.	3EP	Kennedy, Joseph H.
3CI	Cook, Howell E.	3EQ	MacKendrick, Robert G.
3CJ	Imfield, Fred H.	3ER	Maryland School of Tele- graphy.
3CK	Moody, Matthew C.	3ES	Martin, E. Linton.
3CL	Coleman, Walter V.	3ET	Alber, Robert C.
3CM	Van Horn, J. Clunn.	3EU	Shelley, F. Cheston.
3CN	Ashton, Leon W.	3EV	Brannan, Julian L.
3CO	Campbell, James S.	3EW	Scheffey, Ralph B.
3CP	Bunting, George M., jr.	3EY	McIntyre, William.
3CQ	Yeager, George R.	3EZ	Koller, Donald B.
3CR	Ellis, William G.	3FA	Davis, Edwin L.
3CS	Baker, Harold Z.	3FB	Darby, George B., jr.
3CT	Nassau, James A.	3FC	Weik, Charles F.
3CU	Gause, Harry W.	3FD	Simon, Walter.
3CV	Rohrer, Harry B.	3FE	Rabl, Samuel.
3CW	Lange, J. Robert.	3FF	Dempster, Warren J.
3CX	Parichy, Emery.	3FG	Godfrey, James M.
3CZ	Wheatley, Douglas N.	3FH	Smith, Sewell P.
3DA	Peterson, Raymond E.	3FI	Wever, John A.
3DB	Perry, Willard P., jr.	3FJ	Knowles, Edward P., jr.
3DC	Bergen, Donald M.	3FK	Schleher, Paul H.
3DD	Work, Ashton G.	3FL	Pearson, Roland D.
		3FM	Channell, John W.

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3FN	Deichmiller, Alvin.	3HY	Derr, Francis S.
3FO	E. I. du Pont De Nemours Powder Co.	3HZ	Delbert, Simon, jr.
3FP	Stratton, Milton W.	3IB	Sherrill, Arthur M.
3FQ	Clark, William R.	3ID	Hasenfus, Joseph F.
3FR	Densten, E. Craig.	3IE	Jacobson, Bernard H.
3FS	Harwood, Theodore O.	3IF	Godfrey, Earle.
3FT	Dudley, DeWitt C.	3IG	Zabel, Roy E.
3FU	Wunder, William F.	3IH	Eisele, Edward, jr.
3FV	Edwards, Charles.	3IK	Snyder, Harry H.
3FW	Strailman, Gilbert T.	3IL	Pawson, James M.
3FX	Bonsall, Thomas F.	3IM	Chambers, Joseph D.
3FY	Devlin, John L.	3IN	Vogel, Charles C.
3FZ	Adam, William.	3IO	Shreve, Aaron F.
		3IQ	Knoll, Lloyd M.
3GB	Rohrich, George J.	3IR	Wallace, Lewis J.
3GC	Bach, Earl C.	3IT	Stritzel, Alfred H.
3GE	Nadig, Stanton E.	3IV	Wilson, Willard S.
3GF	Bryce, Stanley C.	3IX	Field, Harry P.
3GG	Moor, Percy W.	3IY	Tolbert, Warren B.
3GH	MacDonald, Stuart.	3IZ	Faunce, B. Warren.
3GI	Pelham, Fred B.		
3GJ	Doughty, William R.	3JB	Petit, Ernest L.
3GK	Troth, Raymond H.	3JD	Wolcott, Roger G.
3GL	Meck, Michael.	3JE	Dickerson, E. Stuart, jr.
3GM	Fellows, J. Howard.	3JF	Apfelbaum, Martin.
3GN	Board of Public Education, Philadelphia, Pa.	3JG	Stoughton, Henry F.
		3JH	Brockman, Francis C.
3GO	Norcross, Earl L.	3JI	Burdette, Aubrey W.
3GQ	Miller, Kelly, jr.	3JJ	Bergmann, Frederick J.
3GR	Wood, Richard M.	3JK	Schnable, Stanley E.
3GS	McCafferty, Rea B.	3JL	McCaskey, Edward R.
3GT	Searle, William J., jr.	3JM	Freedom, Leon.
3GU	Hopkins, Robert E.	3JN	Frankenfield, Albert L.
3GV	Laber, Joseph M.	3JO	Hicks, A. Willett, jr.
3GX	Robinson, George C.	3JP	Rowe, Charles R.
3GY	Staub, James.	3JQ	Benson, Thomas W.
3GZ	Backe, Louis M., jr.	3JR	Snow, Harold A.
		3JS	Beekley, Francis C.
3HA	Wiseman, Luther B.	3JT	Hampson, George M.
3HB	Taylor, Sidney L. M.	3JU	Fenimore, Robert S.
3HD	Haake, William F.	3JW	Broadbelt, J. Edward, jr.
3HE	Parks, Laurence W.	3JX	Hoagland, Donald.
3HF	Weiss, Simon.	3JY	Hann, Charles B.
3HG	Smith, W. P.		
3HH	Place, Samuel W.	3KA	Smith, Norborne G.
3HI	Stepp, John W.	3KB	Goodall, Alfred E.
3HJ	Bradley, Horace E.	3KC	Flynn, Thomas F.
3HK	Stokes, Josiah T.	3KD	Noel, James F.
3HL	Nielsen, Harold, jr.	3KF	Green, Anthony J.
3HM	Hickman, Paul W.	3KI	Stanley, John S.
3HN	Schuck, Leon H.	3KJ	Worrest, Howard A.
3HO	Fithian, Wm. S., jr.	3KK	Hofmann, George A.
3HP	Sheetz, George F.	3KL	Wagner, William H.
3HQ	Schuller, Joseph T.	3KM	Gray, Gerald.
3HR	Harmer, Robert H.	3KN	Barr, Richard H.
3HS	Murray, Eugene M.	3KO	Chalmers, Edwin L.
3HT	Falkenberg, August E.	3KP	Myers, Roy R.
3HU	Witmer, Charles T.	3KQ	Wexler, Bernard.
3HW	Bidwell, George L.	3KU	Reynolds, Edwin I.
3HX	Kratz, Herman A.	3KX	Knight, G. Webber, jr.

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—
Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3KY	Preston, James E.	3NJ	Wicks, Preston S.
3KZ	Roberts, Harold A.	3NK	Godfrey, Howard L.
3LA	Levin, Davis.	3NL	Behm, L. F. F.
3LB	Iddings, Frederick T.	3NM	Haldeman, George E.
3LC	Eberly, Jacob A., jr.	3NN	Wallen, Francis B.
3LD	Pisani, Sylvester.	3NO	Sleath, Robert W.
3LF	Shreiner, Carl H.	3NP	Jones, La Frantz.
3LG	Lyons, Harry H.	3NQ	Morley, Augustin H.
3LH	Weiss, Leonard.	3NR	Croll, Robert S.
3LI	Heck, Lewis O.	3NS	Parker, Joseph P.
3LJ	Anderson, Joseph L.	3NT	Melton, J. Carroll.
3LK	Martin, Robert C.	3NU	Ranft, William Q.
3LL	Van Horn, J. Orville.	3NV	Robey, V. C. K.
3LM	Faries, Walter R.	3NW	Burke, Thomas J.
3LN	Doyle, John E.	3NX	Wells, John M.
3LO	Godfrey, Clarence M.	3NY	Steele, Sherman E.
3LP	Densham, Harry W.	3NZ	Branin, Manlif L.
3LQ	Birch, Stanford S.	3OA	Urner, Jos. W.
3LR	Cooper, William F.	3OB	Kennedy, Ignatius L.
3LS	Zito, Vincent.	3OC	Wegner, Arthur H.
3LT	Dunbar, Lewis T.	3OD	Hall, Leroy.
3LU	Ellis, J. Elton.	3OE	Titus, George E.
3LV	Griffin, Aloysius.	3OF	Talbot, George L.
3LW	Waite, John W.	3OG	Jones, John W.
3LY	Harris, William J.	3OH	Levy, Lewis.
3LZ	McCullough, Earl N.	3OI	Lehmberg, Henry.
3MA	Downes, Marlboro K.	3OJ	Pool, J. Alexander.
3MB	McKee, W. Wesley.	3OK	Kerr, William C.
3MC	Pillsbury, Martin K.	3OL	Grant, Arthur F.
3MD	Dulany, Franklin R.	3OM	Mooney, John jr.
3ME	Lamdin, Charles R.	3ON	Matos, Walter A.
3MF	Hitchner, Clyde G.	3OO	Hindin, Louis N.
3MG	Mervine, Watson M.	3OP	Fink, Louis, 3d.
3MH	Markham, Lester M.	3OQ	Bryson, Harold E.
3MI	Nash, Clifford S.	3OR	Signor, Frederick H.
3MJ	Megowen, Horace L.	3OS	Lafferty, Francis A.
3MK	Wilson, William P.	3OT	Faust, Elmer J.
3MM	King, Albert.	3OU	Schwering, Harry C., jr.
3MN	Rollins, Thomas E.	3OV	Jacoby, Arthur C.
3MO	Bickel, E. Clifton.	3OW	Patchel, Robert E.
3MP	Cohen, Henry.	3OX	Wick, Arthur.
3MQ	Trumbower, Raymond.	3OY	Le Faucheur, Albert R.
3MR	Toner, James I.	3OZ	Collins, Benjamin W.
3MS	Barnhart, Lawrence W.	3PA	Schlichting, E. N. E.
3MU	Baily, William J., jr.	3PB	Zorger, Daniel H.
3MV	Whitaker, Lorenzo D.	3PC	Abbott, E. H. B.
3MW	Poalk, James L., jr.	3PD	Meyer, Emil J.
3MX	Barker, Thomas H., jr.	3PE	Basett, William W.
3MY	Spaulding, Ralph F.	3PF	Postpichal, Otto I.
3NA	Zang, Joseph A., jr.	3PG	Proudley, Charles E.
3NB	Frye, Marcus, jr.	3PH	Harris, Edwin R.
3NC	Dalling, Howard.	3PI	Atlee, Franklin.
3ND	Hirst, Arthur C.	3PJ	Harris, S. Sylvan.
3NE	Passano, Leonard W.	3PK	McGear, Herbert K.
3NF	Gaskill, William W.	3PL	Ballentine, Chas. S.
3NG	Raser, Edward G.	3PM	Lusse, Richard N.
3NH	Bierfreund, Max A.	3PN	Pemberton, Henry R.
3NI	Bell, Albert A., jr.	3PO	Watson, James B.
		3PP	Skinner, William H.

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3PQ	Strieby, Malcolm.	3RY	Turner, Morris C., jr.
3PR	Ramsay, E. Frank.	3RZ	Barrett, Montague W.
3PS	Holt, Clarence J.	3SA	Requa, Fred A.
3PT	Creager, E. Clark.	3SB	Van Hulsteyn, J. M. C.
3PU	Smith, Hubert H.	3SC	Ecton, Albert F.
3PV	Bunting, Theodore R.	3SD	Shafer, Albert G.
3PW	Philadelphia School of Wire- less Telegraphy.	3SE	Hyatt, C. Brown.
3PX	Howard, H. Trumbull.	3SF	Peter, Armistead, 3d.
3PY	Bergey, H. Leon.	3SG	Speakman, Edwin G., jr.
3PZ	Griffith, Elmer G.	3SH	Kenyon, Walter R.
3QA	O'Brien, Francis J.	3SI	Williams, Harvey.
3QB	Derbyshire, Agnew W.	3SJ	Glenn, Charles K.
3QC	Lanning, John M.	3SK	Baxley, C. Herbert.
3QD	Andersen, Frederick J.	3SL	Knoppel, Herman L.
3QE	Haig, J. Donald.	3SM	Burnett, A. Elmo.
3QG	Landis, Harold O.	3SN	Bourgeois, Edmund R.
3QH	Fusselman, John.	3SO	Bradshaw, R. B.
3QI	Cameron, Lloyd W.	3SP	Polk, Charles P.
3QJ	Crowley, Robert H.	3SQ	Doughty, D. Roland.
3QK	Adams, Leslie H.	3SR	Anderson, John A.
3QL	Tapley, Robert E.	3SS	Brany, Emil B.
3QM	Varnes, Earl W.	3ST	Chappell, Ralph R.
3QN	Zinszer, Harvey A.	3SU	Seeley, Alfred J.
3QO	Hake, Elias G.	3SV	Gerhart, Samuel R.
3QP	Fulton, Harold E.	3SW	Barnard, Julian W.
3QQ	Cassady, Park H.	3SX	Gieske, Alfred W., jr.
3QR	Underhill, Chester R.	3SY	Barretta, Valroy S.
3QS	Stubbs, Thomas H.	3SZ	Herndon, Landon C.
3QT	Cordeman, Roy C.	3TA	Piper, S. Webster.
3QU	Deichmann, George L., jr.	3TB	Judson, Elbert B.
3QV	Hall, Robert S.	3TC	Landis, Harry.
3QW	Harsch, Lawrence P.	3TD	Miller, Harry G.
3QX	Worcester, Paul S.	3TE	Huyette, Paul B.
3QY	Nees, Milton.	3TF	Ebert, Burton E.
3QZ	Service, Charles A., jr.	3TG	Murphy, Clement H.
3RA	Messinger, Miles B.	3TH	Tabb, Vincent W.
3RB	Lewis, Ellis.	3TI	Nichols, Crawford V.
3RC	Fenton, Edward T.	3TJ	Edson, Howard D.
3RD	Dimling, Rudolph G. A.	3TK	Savage, Thomas A.
3RE	Langaker, Abram.	3TL	Bowes, Joseph J.
3RF	Wallace, William D.	3TM	Rash, Franklin L.
3RG	Bowman, Philip W.	3TN	Venn, Silas N.
3RH	Kline, H. N. Gay.	3TO	Pent, Robert E.
3RI	Hodges, R. E. L.	3TP	Brittingham, Otis B.
3RJ	LaRue, Robert G.	3TQ	Andrews, Edward C.
3RK	Meyer, Howard J.	3TR	Fell, David B.
3RL	McClellan, Frederick W.	3TS	Turner, Alfred W.
3RM	Phillips, Albert L.	3TT	Kindt, Charles F., jr.
3RN	Ramsey, Howard N.	3TU	McAnally, Charles G.
3RO	Garver, Edwin H.	3TV	Blanford, Irving.
3RP	Kirby, Elmer S.	3TW	Leslie, Malcolm C.
3RQ	Haas, Jerome S.	3TX	Philadelphia Turngemeinde Club.
3RR	Roeller, Harold C.	3TY	Krone, Julian E.
3RS	Vollten, Theodore F.	3TZ	Kellert, Charles.
3RU	Hoff, J. Marshall.	3UA	Gilbert, Harry P., jr.
3RV	Hammill, McClintock, jr.	3UC	Howell, S. Van S.
3RW	Redgrave, deWitt C.	3UD	Mundy, Elmer.
3RX	Nisley, Paul H.		

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3UF	Howlett, Joseph T. F.	3VN	Ways, Clarence I.
3UG	Dearden, Rowland R., 3d.	3VP	Rothman, Charles.
3UH	Rivers, William L.	3VQ	Uphoff, Frank B.
3UI	George, John R.	3VR	McVicker, W. Patton.
3UJ	Campbell, James D.	3VS	French, Edward R., jr.
3UK	Peysen, Philip S.	3VT	Seidenberg, Frank.
3UL	Lyon, Raymond S.	3VU	Nikirk, Thomas E.
3UM	Durham, Edmund B.	3VV	Rose, Harold W.
3UN	Carpenter, C. Ellwood, jr.	3VW	Uphoff, Frank B.
3UO	Radio Apparatus Co. of America.	3VX	Flounders, Newton.
3UP	Howlett, Joseph T. F.	3VY	Beresford, Rees H.
3UQ	Howlett, Joseph T. F.	3VZ	Orlando, Frank.
3UR	Cohan, William W.	3WA	Beck, Russell G.
3US	Holcombe, Alex. H., jr.	3WB	Frye, Marcus, jr.
3UT	Cianfrani, Theodore.	3WD	Moyer, Luke I.
3UU	Schuck, Leon H.	3WE	Wohlford, John F.
3UV	Ross, John W.	3WF	Huyler, Rollin M.
3UW	Call, J. Richard.	3WH	Wood, Horace.
3UX	Loughlin, John K.	3WJ	Alden, John H.
3UY	Gordon, Horace W.	3WK	Slifer, Wallace P.
3UZ	Braidwood, Thomas W.	3WL	Davis, Raymond.
3VA	Durham, Wilson N.	3WM	Cloman, William E.
3VB	Reuther, Harry R.	3WN	Gaty, John P. and Lewis R.
3VC	Rancetelli, Ernani.	3WO	Goodwin, Harold F.
3VD	Lamb, Franklin.	3WP	Cox, T. Newell.
3VE	Brenner, Samuel.	3WQ	Lower Marion High School.
3VF	Tompkins, E. Randolph.	3WR	Pyle, W. A. Faries.
3VG	Wood, Frederick B.	3WS	Beaumont, Robert H.
3VH	Stickell, Daniel R.	3WT	Young, Walter T.
3VI	Egner, John.	3WU	Kressel, Gordon.
3VJ	Harvey, Edmund H.	3WV	Becker, Frank F.
3VK	Griffith, Dorey J.	3WW	Bernert, Joseph, jr.
3VL	Bernstein, Abe R.	3WX	Goebel, Eugene S.
3VM	Baynes, Ralph J.	3WY	Basford, Robert F.
		3WZ	Delbert, Simon, jr.

FOURTH DISTRICT.

(Headquarters: Customhouse, Savannah, Ga. The fourth district comprises the States of North Carolina, South Carolina, Georgia, Florida, and the Territory of Porto Rico.)

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
4CU	Allen, Glenn L.	St. Petersburg, Fla.	Watts. 125
4CB	Allston, William F.	8 Colonial St., Charleston, S. C.	344
4BA	Avant, Marion C.	806 N. 4th St., Wilmington, N. C.	200
4CA	Babington, Kenneth.	Gastonia, N. C.	48
4BZ	Barber, Edward D.	508 13th St., Columbus, Ga.	165
4BX	Blackburn, Henry E.	1416 Price St., Savannah, Ga.	88
4CQ	Blankenship, Elliott E.	803 W. Monroe St., Jacksonville, Fla.	24
4CC	Bowles, Raymond A.	1909 10th Ave., Columbus, Ga.	250
4CH	Brannon, Stephen G.	208 13th St., Columbus, Ga.	250
4CS	Buck, C. Howard.	St. Petersburg, Fla.	36
4CI	Carr, John M.	821 1st Ave. N., St. Petersburg, Fla.	36
4CK	Clodfetter, Charles W.	41 S. Pleasant St., Winston-Salem, N. C.	555

AMATEUR RADIO STATIONS—FOURTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Watts.</i>
4CE	Conn, Albert L.....	75 4th Ave. N., St. Petersburg, Fla.....	440
4BN	Cross, K. E.....	Port Tampa, Fla.....	50
4BF	Dane, Seymour.....	1140 13th St., Miami, Fla.....	500
4AE	Davis, Loren V.....	St. Petersburg, Fla.....	60
4AZ	Dunk, Thomas R.....	1424 Laura St., Jacksonville, Fla.....	550
4CN	Falks, Robert L.....	87 Mary St., Waycross, Ga.....	36
4BE	Fowler, Carl A.....	S.-N. S. Station, Athens, Ga.....	500
4CM	French, William A., 3d..	107 S. 4th St., Wilmington, N. C.....	20
4AI	Gibson, Isaac A., jr.....	403 E. Bolton St., Savannah, Ga.....	24
4AX	Gordon, Clarence M.....	Ocilla, Ga.....	990
4CP	Guimaraes, Abilio S.....	298 Highland Ave., Atlanta, Ga.....	500
4BJ	Hall, Edward R.....	532 Beach Drive, St. Petersburg, Fla.....	70
4BR	Hamilton, George H.....	209 W. Gordon St., Savannah, Ga.....	50
4BY	Herzog, Max A.....	16 Faith Ave., Atlanta, Ga.....	18
4CO	Howard, George A.....	Decatur, Ga.....	250
4AF	Humphrey, Arthur L.....	1105 Market St., Wilmington, N. C.....	500
4CG	Hussey, J. A.....	402 Hall St. W., Savannah, Ga.....	350
4CF	Keen, David W.....	117 5th St. N., St. Petersburg, Fla.....	330
4CR	Keiger, J. Lee.....	1140 Balsley St., Winston-Salem, N. C.....	36
4BI	Kreis, Joseph W., jr.....	655 S. Pryor St., Atlanta, Ga.....	36
4AL	Kruger, Charles E.....	11 Bates Ave., Kirkwood, Ga.....	500
4BR	Leonard, Rudolph.....	209 W. Gordon St., Savannah, Ga.....	50
4AQ	Marsh, William A.....	R. F. D. No. 1, Miami, Fla.....	35
4BL	Matheson, Hugh M.....	Key Biscayne, Fla.....	30
4AU	Matheson, Hugh M.....	Cocoanut Grove, Fla.....	30
4CT	McIlvaine, Victor C.....	208 Verne St., Tampa, Fla.....	250
4BG	McMillan, Drayton A.....	Bamberg, S. C.....	18
4AB	Meltzer, Isador.....	627 Margaret St., Key West, Fla.....	225
4CL	Merriam, Francis F.....	College Park, Ga.....	253
4CJ	Morgan, Sidney S.....	1821 W. Broad St., Savannah, Ga.....	300
4AA	Pope, Wilbur B.....	197 Dearing St., Athens, Ga.....	432
4BT	Powell, Dwight E.....	715 E. Washington St., Orlando, Fla.....	36
4BB	Rankin, Robert G., jr.....	3 N. 9th St., Wdmington, N. C.....	16
4AC	Rice, Elmer L.....	1702 E. Duval St., Jacksonville, Fla.....	550
4BK	Simons, Mayrant.....	Summerville, S. C.....	1,000
4CV	Smith, James E.....	Townsville, N. C.....	1,000
4AO	Smoot, Lloyd D.....	1443 Laura St., Jacksonville, Fla.....	550
4AW	Wall, Patrick H.....	258 Plant Ave., Tampa, Fla.....	990
4AG	West End Wireless Club.....	105 Lawton St., Atlanta, Ga.....	100
4AK	Whiting, Charles T.....	R. F. D. No. 6, Gainesville, Fla.....	770
4AP	Whittaker, Alan D., jr.....	221 E. 10th St., Atlanta, Ga.....	880
4BH	Wikle, James R.....	619 S. Pryor St., Atlanta, Ga.....	300

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
4AA	Pope, Wilbur B.	4AQ	Marsh, William A.
4AB	Meltzer, Isador.	4AU	Matheson, Hugh M.
4AC	Rice, Elmer L.	4AW	Wall, Patrick H.
4AE	Davis, Loren V.	4AX	Gordon, Clarence M.
4AF	Humphrey, Arthur L.	4AZ	Dunk, Thomas R.
4AG	West End Wireless Club.		
4AI	Gibson, Isaac A., jr.	4BA	Avant, Marion C.
4AK	Whiting, Charles T.	4BB	Rankin, Robert G., jr.
4AL	Kruger, Charles E.	4BE	Fowler, Carl A.
4AO	Smoot, Lloyd D.	4BF	Dane, Seymours.
4AP	Whittaker, Alan D., jr.	4BG	McMillan, Drayton A.

118 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

AMATEUR RADIO STATIONS—FOURTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
4BH	Wikle, James R.	4CF	Keen, David W.
4BI	Kreis, Joseph W., jr.	4CG	Hussey, J. A.
4BJ	Hall, Edward R.	4CH	Brannon, Stephen G.
4BK	Simons, Mayrant.	4CI	Carr, John M.
4BL	Matheson, Hugh M.	4CJ	Morgan, Sidney S.
4BN	Cross, K. E.	4CK	Clodfetter, Charles W.
4BR	Hamilton, George H., and Leonard, Rudolph.	4CL	Merriam, Francis F.
4BT	Powell, Dwight E.	4CM	French, William A., 3d.
4BX	Blackburn, Henry E.	4CN	Falks, Robert L.
4BY	Herzog, Max A.	4CO	Howald, George A.
4BZ	Barber, Edward D.	4CP	Guimaraes, Abilio S.
4CA	Babington, Kenneth.	4CQ	Blankenship, Elliott E.
4CB	Allston, William F.	4CR	Keiger, J. Lee.
4CC	Bowles, Raymond A.	4CS	Buck, C. Howard.
4CE	Conn, Albert L.	4CT	McIlvaine, Victor C.
		4CU	Allen, Glenn L.
		4CV	Smith, James E.

FIFTH DISTRICT.

[Headquarters: Customhouse, New Orleans, La. The fifth district comprises the States of Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
5AC	Agricultural & Mechanical College.	College Station, Texas.	Watts. 300
5AJ	Antony, Willie	1906 Laurel St., Shreveport, La.	1,000
5BD	Asdorin, Levon	1529 Calliope St., New Orleans, La.	25
5BF	Behre, Joseph C.	1012 Kerlerec St., New Orleans, La.	250
5AR	Boynon, Eugene T.	Rockport, Texas.	400
5CU	Booth, Daniel M.	318 S. Claiborn St., Mobile, Ala.	100
5CO	Bowling, James A.	1212 Prairie Ave., Houston, Texas.	24
5BW	Brown, Max T.	1017 Cumberland St., Little Rock, Ark.	60
5AM	Brownell, Harold S.	1512 Phelan St., Birmingham, Ala.	500
5BQ	Campbell, Gregory D.	Beeville, Texas.	30
5CQ	Casey, Robert H.	606 N. Maine St., Cleburne, Texas.	770
5CT	Churchill, Charles W.	Caldwell, Texas.	300
5BV	Clayton, John M.	1301 Welch St., Little Rock, Ark.	450
5CR	Cochran, George D.	1920 Alabama Ave., Bessemer, Ala.	250
5BJ	Corlett, Frank M.	1101 E. 8th St., Dallas, Texas.	1,000
5CK	Cox, Houston A.	524 Jackson St., Starkville, Miss.	1,000
5BR	Curtis, Earnest M.	350 Selma St., Mobile, Ala.	440
5AU	Darwin, Tyler	1205 N. 9th St., Waco, Texas.	30
5AA	Deeley, Paul M.	535 Proctor St., Waco, Tex.	950
5CG	Dibble, George B.	112 Martha St., Montgomery, Ala.	
5AQ	Goldstein, Henry R.	1819 Octavia St., New Orleans, La.	200
5AS	Goodman, Louis N.	300 E. Main St., Starkville, Miss.	1,000
5BI	Harrison, Jackson W.	800 Highland Ave., Montgomery, Ala.	770
5CH	Hecker, Joseph L.	1911 Mandeville St., New Orleans, La.	50
5AI	Ince, Carl	602 N. Findly St., Norman, Okla.	30
5AZ	James, Russell R.	321 W. Montgomery St., Memphis, Tenn.	500
5AG	Johannsen, John, jr.	Lafayette Ave. and Miro St., New Orleans, La.	20
5CI	King, William J.	462 Pine St., New Orleans, La.	750
5CM	Kirchner, Otto E.	18 Terrell St., Mobile, Ala.	12
5BK	Leroy, Louis	1005 Rayner Ave., Memphis, Tenn.	1,000
5AV	Macke, William, jr.	2414 Painter St., New Orleans, La.	450

AMATEUR RADIO STATIONS—FIFTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
5BL	Marks, George M., jr. . . .	615 S. Perry St., Montgomery, Ala.	220
5CV	Martin, Roy.	100 W. Lampkin St., Starkville, Miss. . . .	3
5BS	McLain, Robert M.	513 W. Clinton St., Huntsville, Ala. . . .	1,000
5AO	Mercier, Walter H.	1640 Carrollton Ave., New Orleans, La. . .	330
5BE	Mollenhauer, Arthur E.	Grand Ave., New Braunfels, Tex.	800
5CP	Moore, Frank C.	7509 St. Charles Ave., New Orleans, La. .	110
5BH	Nebe, Harold G.	402 Nashville Ave., New Orleans, La. . . .	20
5CB	Nelson, Paul E.	1012 S. 18th St., Fort Smith, Ark.	18
5CE	Preis, Robert J.	4433 S. Rampart St., New Orleans, La. . . .	18
5BC	Reynolds, Gordon P., jr.	906 Arabella St., New Orleans, La.	18
5AD	Rorshach, Harold E.	619 North E St., Muskogee, Okla.	870
5BN	Salzer, Harry S.	2322 N. Villere St., New Orleans, La. . . .	450
5BY	Sams, Ernest E.	508 Market St., Muskogee, Okla.	15
5CC	Seiple, Gus A., jr.	55 Parham St., Mobile, Ala.	495
5CJ	Sharp, Harry M.	Central High School, Memphis, Tenn. . . .	1,000
5AE	Snarr, Kenneth A.	1200 S. 10th St., Fort Smith, Ark.	385
5AT	Stone, Frank M.	7919 Jeannette St., New Orleans, La. . . .	1,000
5AW	Stough, Robert A.	R. F. D. No. 1, Fort Smith, Ark.	750
5BU	Sweetman, Frank M.	930 N. 11th St., Waco, Texas.	330
5AP	Thompson, Vance M.	267 Pasadena Pl., Memphis, Tenn.	660
5CD	Tisdell, William L.	814 W. Okmulgee Ave., Muskogee, Okla. .	15
5BA	Toups, Roy N.	1512 Ursuline St., New Orleans, La.	125
5CF	Uhalt, William J.	5933 Constance St., New Orleans, La. . . .	500
5CA	Wilson, Harry T.	898 Saxon Ave., Memphis, Tenn.	250
5CN	Worner, Urban D.	1052 City Park Ave., New Orleans, La. . .	495

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
5AA	Deeley, Paul M.	5BN	Salzer, Harry S.
5AC	Agricultural and Mechanical College of Texas.	5BQ	Campbell, Gregory D.
5AD	Rorshach, Harold E.	5BR	Curtis, Earnest M.
5AE	Snarr, Kenneth A.	5BS	McLain, Robert M.
5AG	Johannsen, John, jr.	5BU	Sweetman, Frank M.
5AI	Ince, Carl.	5BV	Clayton, John M.
5AJ	Antony, Willie.	5BW	Brown, Max T.
5AM	Brownell, Harold S.	5BY	Sams, Ernest E.
5AO	Mercier, Walter H.	5CA	Wilson, Harry T.
5AP	Thompson, Vance M.	5CB	Nelson, Paul E.
5AQ	Goldstein, Henry R.	5CC	Seiple, Gus A., jr.
5AR	Beynon, Eugene T.	5CD	Tisdell, William L.
5AS	Goodman, Louis N.	5CE	Preis, Robert J.
5AT	Stone, Frank M.	5CF	Uhalt, William J.
5AU	Darwin, Tyler.	5CG	Dibble, George B.
5AV	Macke, William, jr.	5CH	Hecker, Joseph L.
5AW	Stough, Robert A.	5CI	King, William J.
5AZ	James, Russell R.	5CJ	Sharp, Harry M.
5BA	Toups, Roy N.	5CK	Cox, Houston A.
5BC	Reynolds, Gordon P., jr.	5CM	Kirchner, Otto E.
5BD	Asdorin, Levon.	5CN	Worner, Urban D.
5BE	Mollenhauer, Arthur E.	5CG	Bowling, James A.
5BF	Behre, Joseph C.	5CP	Moore, Frank C.
5BH	Nebe, Harold G.	5CQ	Casey, Robert H.
5BI	Harrison, Jackson W.	5CR	Cochran, George D.
5BJ	Corlett, Frank M.	5CT	Churchill, Charles W.
5BK	Leroy, Louis.	5CU	Booth, Daniel M.
5BL	Marks, George M., jr.	5CV	Martin, Roy.

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT.

[Headquarters: Customhouse, San Francisco, Cal. The sixth district comprises the States of California, Nevada, Utah, Arizona, and the Territory of Hawaii.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
6LF	Alexander, Lee.....	182 Flora St., Bell, Cal.....	35
6AAO	Alexander, Willard B....	219 W. 24th St., Los Angeles, Cal.....	440
6PF	Allen, Preston D.....	1410 West St., Oakland, Cal.....	550
6SW	Anderson, Elroy E.....	80 Barson St., Santa Cruz, Cal.....	250
6VM	Anderson, Herbert E.....	Lindsay, Cal.....	220
6AX	Anderson, William A.....	828 Palos Verdes St., San Pedro, Cal.....	330
6KY	Andrews, Harold S.....	2221 W. Jefferson St., Los Angeles, Cal....	500
6DM	Archer, Robert P.....	2912 S. Flower St., Los Angeles, Cal.....	30
6FA	Arnberger, Frank, jr....	3230 Garfield Ave., Alameda, Cal.....	1,000
6UA	Asadoorian, Theodore N.	1205 Garfield Ave., Pasadena, Cal.....	440
6AA	Aster, Alvin K.....	910 Chestnut St., Alameda, Cal.....	1,000
6EG	Aten, Arthur B.....	428 Clark St., Sherman, Cal.....	250
6IC	Austin, Russell F.....	210 3d St., Riverside, Cal.....	250
6QX	Baird, Maxfield A.....	913 Main St., Carona, Cal.....	750
6VJ	Barbour, Joseph L.....	217 W. 8th St., Hermosa Beach, Cal.....	1,000
6AO	Bargar, Avery E.....	Lawndale, Cal.....	440
6QL	Barker, Waldo W.....	331 Lighthouse Ave., Pacific Grove, Cal..	25
6PX	Barlow, Roy.....	4219 Morgan Ave., Los Angeles, Cal.....	385
6TU	Barnett, Thomas T.....	3426-A 19th St., San Francisco, Cal.....	1,000
6FJ	Barnum, Coit L.....	9034 Hillside Ave., Oakland, Cal.....	500
6LB	Barton, Larry J.....	19 Crystal Springs Rd., San Mateo, Cal....	1,000
6AAU	Baston, Cyril E.....	3865 Wilson St., East San Diego, Cal.....	20
6EB	Bazzini, Emil M. H.....	2734 Gough St., San Francisco, Cal.....	330
6AAP	Beal, Ira A.....	Campbell, Cal.....	50
6AJ	Bean, James.....	755 University Ave., San Jose, Cal.....	40
6KZ	Beaver, Gerald A.....	1533 Court St., Alameda, Cal.....	1,000
6TN	Beckman, Philip E.....	821 14th St., San Francisco, Cal.....	500
6NR	Belden, Marion.....	831 4th St., Santa Rosa, Cal.....	220
6CU	Bell, Albert E.....	750 Summit Ave., Pasadena, Cal.....	900
6AM	Benn, Julius A.....	237 Devesadero St., San Francisco, Cal....	500
6AAR	Bennett, Dudley W.....	Santa Cruz, Cal.....	100
6VE	Beraldo, Dewey.....	Avalon, Cal.....	220
6LX	Berlin, Latham.....	1525 Chestnut St., Alameda, Cal.....	110
6PA	Beasley, Stephen H.....	171 E. 7th St. South, Salt Lake City, Utah.	500
6ABM	Bevitt, Edwin R.....	3914 3d St., San Diego, Cal.....	250
6EF	Biddle, Charles J.....	Berkeley, Cal.....	250
6JD	Binney, John.....	4050 Brighton Ave., Los Angeles, Cal....	400
6AAW	Blauvelt, Frank E.....	466 E. California St., Pasadena, Cal.....	250
6LA	Blochman, Lawrence G..	3260 1st St., San Diego, Cal.....	500
6IJ	Boehme, Herbert L.....	1437 6th St., Santa Monica, Cal.....	550
6AH	Botts, James.....	2644 23d Ave., Oakland, Cal.....	495
6AL	Brandis, Fred A.....	214 W. San Carlos St., San Jose, Cal.....	110
6RA	Brandt, Robert L.....	322 Grand Blvd., San Mateo, Cal.....	1,000
6ND	Breck, F. Bon.....	285 Mather St., Oakland, Cal.....	550
6DA	Brown, Ralph E.....	838 E. 22d St., Los Angeles, Cal.....	275
6PZ	Brown, Robert L.....	634 Franklin St., Napa, Cal.....	1,000
6AAX	Brummeler, John A.....	1001 Orange St., Redlands, Cal.....	220
6ABN	Brunner, Albert W.....	5918 Towne Ave., Los Angeles, Cal.....	500
6AWE	Buckingham, Eldridge..	2760 Scott St., San Francisco, Cal.....	250
6FY	Buell, Clarence R.....	732 56th St., Oakland, Cal.....	250
6RY	Bullard, Orlan K., jr....	1655 10th St., San Diego, Cal.....	550
6SO	Bunting, Howard S.....	109 Forest Ave., Pacific Grove, Cal.....	1,000
6BJ	Bunting, Lawrence.....	Centerville, Cal.....	500
6DZ	Caldwell, Duncan K.....	427 Crane Ave., Turlock, Cal.....	330
6NX	Calvert, Paul P.....	124 W. Hazel St., Inglewood, Cal.....	1,000
6WZ	Capps, Delphin J.....	710 Peninsula St., Burlingame, Cal.....	1,000

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
6AC	Capwell, Cebert E.	Monte Cresta Ave. and Kelton Court, Oakland, Cal.	500
6AAZ	Carvill, Glenn A.	Lomita, Cal.	990
6QJ	Chamberlain, George E.	121 N. 6th St., Sawtelle, Cal.	1,000
6IE	Chambers, James.	427 Bank St., San Francisco, Cal.	880
6CE	Clark, J. R.	2318 Bryant St., San Francisco, Cal.	18
6AU	Clark, Paul U.	898 S. 8th St., San Jose, Cal.	500
6NC	Clayberg, William J.	101 Isabel St., San Francisco, Cal.	500
6MK	Coates, Walton L.	3766 Chamcune Ave., East San Diego, Cal.	250
6AAF	Collins, Wayne A.	788 19th St., Oakland, Cal.	500
6LC	Comins, Frank L.	634 Balboa St., San Francisco, Cal.	440
6ABA	Connolly, Norman, jr.	3738 Cherokee St., East San Diego, Cal.	250
6CW	Cook, George W.	208 27th St., Ogden, Utah.	250
6OD	Cook, John A.	1504 Locust St., Long Beach, Cal.	550
6DI	Cookson, Howard A.	361 14th Ave., San Francisco, Cal.	330
6CA	Corby, Grant W.	1129 W. 6th St., Los Angeles, Cal.	1,000
6WC	Cornish, Warren D.	107 3d St., Pacific Grove, Cal.	100
6CL	Cosby, Mark B.	356 Hobart Ave., Los Angeles, Cal.	500
6WQ	Cowles, John.	28 Butler Ave., San Francisco, Cal.	1,000
6AAY	Craig, Carl D.	142 N. Workman St., Los Angeles, Cal.	1,000
6UP	Creswell, Frank, jr.	831 W. 58th Pl., Los Angeles, Cal.	330
6NJ	Cunningham, Edward J.	Santa Clara, Cal.	500
6GD	Day, Elwin C.	4304 19th St., San Francisco, Cal.	12
6FD	Deardorf, Francis H.	Los Altos, Cal.	16
6AQ	De La Cruz, George.	706 W. San Carlos St., San Jose, Cal.	500
6UJ	Delius, Herbert A.	2057 Alameda Ave., Alameda, Cal.	500
6EN	de Neuf, Emil A.	1538 Russell St., Berkeley, Cal.	275
6KA	Dickey, Herbert A.	122 Dracena Ave., Piedmont, Cal.	500
6HD	Dickow, Henry W.	413 26th Ave., San Francisco, Cal.	100
6KL	Diehl, Fred.	348 Coleridge St., San Francisco, Cal.	750
6OK	Dillon, Lyle.	317 S. Norton Ave., Los Angeles, Cal.	500
6KE	Dogan, Kenneth.	1115 Cole St., San Francisco, Cal.	575
6WP	Donelson, William E., jr.	1215 West Ave., Eureka, Cal.	250
6VN	Dorcy, Ben H., jr.	190 Ocean View Ave., Santa Cruz, Cal.	1,000
6ARD	Dow, Clifford J.	Rye, Cal.	100
6TD	Dowling, Thomas L.	1520 E. 17th St., Oakland, Cal.	500
6RG	Downs, Robert F.	1062 10th St., San Diego, Cal.	250
6PO	Drath, Walter J.	682 34th St., Oakland, Cal.	150
6AHT	Dunn, Frederick J.	169 Ellington Ave., San Francisco, Cal.	550
6KD	Dutton, Kingsley.	1447 Salem St., Glendale, Cal.	15
6WX	Ebert, Howard W.	455 Orchard St., San Jose, Cal.	450
6EK	Eiferle, Chrissie.	3016 Boulevard Ave., Fruitville, Cal.	500
6TE	Eisenhuth, Thomas V.	2138 McKinley St., Berkeley, Cal.	250
6ALC	Eriksen, Elwood C.	358 Lisbon St., San Francisco, Cal.	500
6DL	Espe, Oliver E.	4326 S. Grand Ave., Los Angeles, Cal.	375
6ST	Evans, Bryan.	123 E. Cantonment St., San Francisco, Cal.	500
6ABO	Evans, Charles C.	4835 Idaho St., San Diego, Cal.	1,000
6FI	Eveleth, Harlan A.	2805 Russell St., Berkeley, Cal.	440
6UT	Everard, Charles E.	895 E. 56th St., Los Angeles, Cal.	50
6UY	Everhart, Laurence.	2320 E. 3d St., Los Angeles, Cal.	1,000
6GF	Farmer, Gordon.	Burbank, Cal.	500
6TR	Farrell, Raymond.	2326 Pacific Ave., Alameda, Cal.	500
6IF	Farwell, Ivyn.	2230 9th St., Berkeley, Cal.	500
6ET	Fenner, Paul R.	1338 Masonic Ave., San Francisco, Cal.	210
6CO	Ferrero, Henry D.	43 Vallejo St., Napa, Cal.	500
6HV	Ferrill, Herbert E.	Bostonia, Cal.	300
6SQ	Fonseca, Arthur.	2610 Valdez St., Oakland, Cal.	500
6WF	Ford, Walter B.	3653 Arnold St., San Diego, Cal.	500
6JF	Forsburg, Jos. A.	1734 Sonoma Ave., Berkeley, Cal.	500

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Watts.
6NQ	Francis, Ernest R.	Mountain View, Cal.	50
6FK	Frank, Walter H.	465 18th St., San Diego, Cal.	500
6UM	Freeman, Elmer D.	Nordhoff, Cal.	120
6FX	Frizzi, William	Larkspur, Cal.	200
6BK	Frost, William H.	473 Minor Ave., San Jose, Cal.	20
6AAE	Garcia, David.	932 B St., Petaluma, Cal.	500
6UH	Gates, Howard C.	Pomona, Cal.	1,000
6NG	Gerlach, Leonard J.	Point Richmond, Cal.	850
6US	Gibson, Walter L.	2324 Dennison St., East Oakland, Cal.	250
6AAG	Gilbert, Phillip H.	387 W. 8th St., Pomona, Cal.	1,000
6ABB	Gilbert, Samuel A.	Altadena, Cal.	360
6QK	Gill, Fred M.	2715 4th St., Ocean Park, Cal.	990
6AAH	Gilstrap, L. Frederick	517 N. Curtis Ave., Alhambra, Cal.	500
6BM	Godwin, Merle H.	19 Grigsby Court, Napa, Cal.	250
6UZ	Gosmann, Jack I.	2389 W. 31st St., Los Angeles, Cal.	250
6GO	Goss, William M.	516 Bath St., Santa Barbara, Cal.	500
6VC	Gottwald, Eugene A.	404 S St., Eureka, Cal.	250
6LP	Gray, Clifford L.	Stevens Creek Rd., San Jose, Cal.	180
6AAK	Green, Carl V., jr.	317 E. 49th St., Los Angeles, Cal.	550
6GC	Greene, Harry A.	313 Lighthouse Ave., Monterey, Cal.	330
6AR	Greenquist, Elmer A.	516 W. San Carlos St., San Jose, Cal.	250
6AAI	Gregory, Merle M.	1011 Orchard St., Santa Rosa, Cal.	40
6VF	Griffin, Earl E.	Pomona, Cal.	18
6LL	Griffith, William M.	737 Shrader St., San Francisco, Cal.	500
6DH	Grimes, W. Frank	103 N. Pasadena Ave., Pasadena, Cal.	1,000
6TL	Grow, Frank	232 Lake Shore Ter., Los Angeles, Cal.	600
6DP	Grundell, Herbert.	285 11th St., San Pedro, Cal.	1,000
6DN	Guidotti, William F.	745 W. San Fernando St., San Jose, Cal.	350
6RI	Hanchett, Robert J.	Nestor, Cal.	100
6KV	Hankins, Marvin J.	448 6th St., San Pedro, Cal.	250
6AHR	Hanson, Marion G.	1107 72d Ave., Oakland, Cal.	500
6TZ	Harmon, Orville A.	2742 35th Ave., Oakland, Cal.	500
6AJA	Harris, Howard D.	Ogden High School, Ogden, Utah	550
6HG	Hart, Gardner L.	422 22d St., San Diego, Cal.	500
6CG	Harty, Courtenay E.	5167 S. Wilton Pl., Los Angeles, Cal.	220
6IH	Hazleton, Ralph L.	51 Pryce St., Santa Cruz, Cal.	250
6UK	Heald's Business College	San Francisco, Cal.	500
6AAC	Heaney, Clarence M.	374 22d Ave., San Francisco, Cal.	500
6DB	Heitshusen, Dick.	115 Hermina St., Anaheim, Cal.	500
6ABC	Hellikson, Vivian L.	1230 W. 49th St., Los Angeles, Cal.	500
6AAB	Hemenway, Clyde C.	1407 Vermont St., San Francisco, Cal.	500
6CN	Hendrix, Charles F.	2214 E. Damon St., Los Angeles, Cal.	500
6HN	Henrich, Richard W.	1 Park Pl., Point Richmond, Cal.	100
6VQ	Herup, Vilhelm C.	72 Lundy Lane, San Francisco, Cal.	100
6UL	Herzog, Aurelius.	1468 La Playa St., San Francisco, Cal.	125
6ABD	Hess, Howard P.	302 N. Mentor Ave., Pasadena, Cal.	550
6DC	Hibbard, Charles H., jr.	156 Bellefontaine St., Pasadena, Cal.	500
6CC	Hilleary, Frank J.	2600 E. 2d St., Los Angeles, Cal.	400
6HH	Hollingsworth, D. R.	808 Humboldt St., Santa Rosa, Cal.	250
6EJ	Houtz, Eugene R.	1544 Webster St., Oakland, Cal.	125
6ABE	Hovgaard, Irvin C.	18 W. Cedar St., Eureka, Cal.	45
6SI	Hoyt, Leander L.	248 Main St., Hayward, Cal.	500
6LH	Hunt, Lloyd F.	Lenox, Cal.	495
6IR	Irey, Earl R.	3667 3d St., San Diego, Cal.	500
6LI	Isaacs, Louis R.	1200 Regent St., Alameda, Cal.	1,000
6JK	Jennings, John W.	3427 30th St., San Diego, Cal.	100
6BO	Johnson, Albert N.	109 Morel St., Los Angeles, Cal.	250
6TP	Johnson, Harold M.	15 King St., San Jose, Cal.	11
6MY	Johnston, Robert.	734 K St., Eureka, Cal.	500
6VL	Kaiser, Erlin.	1665 9th St., San Diego, Cal.	45

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Watts.</i>
60M	Kaufmann, Irwin L.....	56 20th Ave., San Francisco, Cal.....	500
6UF	Kemp, Thomas J.....	950 Atlantic Ave., Long Beach, Cal.....	500
6JA	Knight, James B.....	125 Stanislaus Ave., Modesto, Cal.....	990
6UE	Kramer, Augustus A.....	1605 6th St., Coronado, Cal.....	500
6HK	Krauter, Howard R.....	850 W. 43d Pl., Los Angeles, Cal.....	990
6JC	Kulish, John J., jr.....	Branham Rd., San Jose, Cal.....	25
6TM	Lee, Howard R.....	1580 Grove St., San Francisco, Cal.....	500
6VO	Lee, John A.....	134 N. Johnston St., Los Angeles, Cal.....	1,000
6IZ	Leeper, Ernest W.....	648 4th St., San Bernardino, Cal.....	1,000
6EL	Le Fevre, Eugene.....	243 Bonview Ave., San Francisco, Cal.....	330
6WL	Leland, Wallace II.....	912 Indian Rock Ave., Berkeley, Cal.....	1,000
6EC	Lewis, Harrison E.....	3299 Buggs Ave., Alameda, Cal.....	60
6LE	Lewis, Tony D.....	1054 Cotton St., Oakland, Cal.....	100
6HL	Linhoff, Harold R.....	416 Winona Ave., Pasadena, Cal.....	250
6AAJ	Linville, Charles R.....	307 N. Curtis Ave., Alhambra, Cal.....	50
6JN	Livesay, J. Russell.....	Los Altos, Cal.....	16
6MH	Logan, Hugh H.....	1519 Grammercy Pl., Los Angeles, Cal.....	100
	Long Beach Polytechnic School. <i>See</i> Polytechnic High School.		
6VX	Loos, William V.....	512-A E. 11th St., Los Angeles, Cal.....	220
6LO	Lory, C. S.....	3839 7th St., San Diego, Cal.....	25
6VD	Loudon, Donald F.....	3904 Ibis Court, San Diego, Cal.....	105
6CY	Lundy, Elmer C.....	592 N. 17th St., San Jose, Cal.....	150
6AAL	Lyon, John D.....	1141 Mendocino St., Altadena, Cal.....	500
6MD	MacFarlane, Thomas R.....	954 S. Kingsley Drive, Los Angeles, Cal.....	440
6GM	Mackin, George R.....	88 Peralta Ave., San Francisco, Cal.....	550
6MV	MacMullen, Gerald.....	352 Glorietta Blvd., Coronado, Cal.....	250
6MN	Maher, Edward T.....	3409 Grove St., Oakland, Cal.....	250
6AAD	Mahn, Erich G.....	29 Saturn St., San Francisco, Cal.....	30
6WT	Mann, Frank W.....	Saratoga, Cal.....	100
6OX	Martin, Andrew W., jr.....	894 Waller St., San Francisco, Cal.....	500
6KS	Martin, Neal D.....	2018 Delaware St., Berkeley, Cal.....	500
6DY	Mattox, Harry D.....	260 W. 11th St., Pomona, Cal.....	550
6UW	Maynes, Walter W.....	1818 Francisco St., Berkeley, Cal.....	495
6MJ	McConnell, Emmett W.....	2703 Forest Ave., Berkeley, Cal.....	330
6LX	McCreery, Maurice.....	700 W. 32d St., Los Angeles, Cal.....	500
6PJ	McDonald, Byron C.....	85 S. El Molino St., Pasadena, Cal.....	1,000
6TO	McFenn, Arthur L.....	1652 Berendo St., Los Angeles, Cal.....	500
6MC	McGown, Dudley B.....	1247 47th Ave., San Francisco, Cal.....	500
6HJ	McIntosh, Harold S.....	249 Bixel St., Los Angeles, Cal.....	700
6ABG	McLaren, Alfred.....	534 W. 49th St., Los Angeles, Cal.....	400
6QY	Miley, Jerome.....	585 Bellefontaine Ave., Pasadena, Cal.....	300
6RJ	Miller, Roy A.....	R. F. D., Ione, Cal.....	550
6KT	Miller, Walter G.....	18 Hester Ave., San Jose, Cal.....	30
6KJ	Mills, Eldon C.....	425 Orchard St., San Jose, Cal.....	15
6BU	Mills, Harry D.....	245 Lime St., Riverside, Cal.....	250
6RC	Moelris, Russell.....	63 N. State St., Murray, Utah.....	250
6BI	Moore, Ezra.....	108 11th St., Redlands, Cal.....	500
6ABF	Moore, Walter.....	1965 S. Los Angeles St., Los Angeles, Cal.....	150
6SS	Morrow, James W.....	389 63d St., Oakland, Cal.....	1,000
6WM	Morse, Willard A.....	2409 Valdez St., Oakland, Cal.....	500
6VY	Morton, J. Walter.....	610 Bellefontaine Ave., Pasadena, Cal.....	220
6MT	Mout Tamalpais Military Academy.	San Rafael, Cal.....	100
6DK	Mundt, Carlos S.....	2418 Eagle Ave., Alameda, Cal.....	250
6QG	Nelson, Martin A.....	1075 Alverado St., San Leandro, Cal.....	1,000
6PN	Nesbit, Paul T.....	R. F. D. No. 1, Acampo, Cal.....	220
6AHN	Newnan, Harold L.....	2242 San Jose Ave., Alameda, Cal.....	500
6NF	Newton, Francis L.....	334 Pala Ave., Piedmont, Cal.....	135

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
6HQ	Newton, Henry G.	Coronado, Cal.	80
6WK	Nickels, Lee.	985 8th St., Oakland, Cal.	500
6OR	Nielsen, Fred J.	136 Caine Ave., San Francisco, Cal.	500
6NA	Nielsen, Anders.	829 Athens Ave., Oakland, Cal.	200
6NI	Nilli, Emil.	34 Hester Ave., San Jose, Cal.	60
6RN	Norton, Russell.	825 1st St., Napa, Cal.	30
6PT	Nulsen, William B.	545 San Benito St., Los Angeles, Cal.	500
6UC	Nusser, George F.	309 N. Union Ave., Los Angeles, Cal.	350
6BC	Oldham, William G., jr.	720 Healdsburg Ave., Santa Rosa, Cal.	500
6LJ	Olmstead, William H.	1433 J St., Eureka, Cal.	500
6RO	Ormsby, Russell.	1624 Chapin St., Alameda, Cal.	100
6OE	Ostronik, Rudolph.	4071 Budlong Ave., Los Angeles, Cal.	350
6PE	Ostrowsky, Arthur P.	408 E. 61st St., Los Angeles, Cal.	990
6LV	Passage, Raye L.	1966 Bonita Ave., Los Angeles, Cal.	1,000
6VG	Patton, Claude W.	195 Hill Ave., Pasadena, Cal.	1,000
6ABH	Peacock, Vernon L.	16 S. Curtis Ave., Alhambra, Cal.	500
6AV	Peck, W. Frank.	569 Orange St., Riverside, Cal.	500
6OL	Petersen, Odin T.	490 48th St., Los Angeles, Cal.	500
6LW	Phelps, Allen G.	521 17th St., Santa Ana, Cal.	770
6KH	Philippi, Charles.	3467 5th St., Los Angeles, Cal.	550
6CP	Pickard, Clifford L.	631 Huber Ave., Stege, Cal.	250
6IV	Pierson, Walter.	Walnut Creek, Cal.	250
6UO	Polkinghorn, Frank A.	180 W. Date St., Riverside, Cal.	150
6LN	Polytechnic High School	Long Beach, Cal.	1,000
6GP	Post, George W.	715 $\frac{1}{2}$ Lyon St., San Francisco, Cal.	100
6CR	Potter, Lee Roy.	Maple and Spadra Sts., Fullerton, Cal.	990
6BF	Powell, Meade W.	Warren, Ariz.	250
6VI	Pressell, Willis R.	City Hall, Reno, Nev.	500
6QO	Preston, Harold.	Hayward, Cal.	250
6RV	Querolo, Louis.	892 Isabella St., Oakland, Cal.	250
6UB	Ray, George.	318 7th St., San Pedro, Cal.	880
6ABI	Ray, William.	318 7th St., San Pedro, Cal.	750
6UV	Reed, Carroll F.	683 7th Ave., San Francisco, Cal.	495
6UR	Richards, Hugh F.	Hughson, Cal.	250
6VH	Root, John.	710 Pacific Ave., San Pedro, Cal.	330
6ABJ	Ross, Earl F.	711 S. Grand Ave., Pasadena, Cal.	50
6GI	Rothe, C. Ernest.	86 Viola Ave., San Jose, Cal.	440
6HR	Royden, Herbert N., jr.	311 Ellsworth Ave., San Mateo, Cal.	1,000
6FT	Rugh, Charles.	Los Gatos, Cal.	550
6FH	Rutzen, Frank E.	175-B Fair Oaks St., San Francisco, Cal.	100
6AAV	Ryberg, Walter G.	116 Virginia Ave., San Francisco, Cal.	500
6SC	Sargent, Edward M.	2235 Lake St., San Francisco, Cal.	495
6ES	Schaefer, Carl.	3118 Stillson Ave., Sacramento, Cal.	250
6OW	Scheidemantel, Oscar A.	5408 Alvise St., Los Angeles, Cal.	550
6VT	Schleicher, Lorenz D.	2728 E. 2d St., Los Angeles, Cal.	500
6TS	Schneider, Antone.	424 20th Ave., San Francisco, Cal.	330
6WS	Schneider, William P.	2716 E. 22d St., Oakland, Cal.	850
6QZ	Schwartz, Sylvain A.	1726 Sutter St., San Francisco, Cal.	1,000
6EA	Seefred, Howard C. and Lyndon F.	343 S. Fremont Ave., Los Angeles, Cal.	250
6TF	Seely, Frank.	2615 Etna St., Berkeley, Cal.	500
6CT	Seidel, William E.	2717 Brighton Ave., Los Angeles, Cal.	500
6NT	Selby, Charles J.	3316 Market St., Oakland, Cal.	550
6UU	Shaffner, Lucius L.	1320 Illinois St., Los Angeles, Cal.	500
6BP	Shannon, Leslie.	334 W. Murray St., Eureka, Cal.	90
6UN	Shaw, William A.	924 26th St., San Diego, Cal.	550
6SH	Shippam, Cecil H.	3049 I St., San Diego, Cal.	550
6FS	Short, Frank A.	846 Walnut St., Riverside, Cal.	270
6KO	Short, Ralph R.	160 Dearborn St., Pasadena, Cal.	1,000
6JS	Silvershield, Bernhard J.	832 W. 92d St., Los Angeles, Cal.	36

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
6VR	Sisson, Waldo L.....	229 S. Cummings St., Los Angeles, Cal...	550
6SK	Skaale, Arthur J.....	2937 Martinez Ave., Berkeley, Cal.....	250
6LS	Smelser, Laurel J.....	318 2d St., Napa, Cal.....	500
6FN	Smith, Harry T.....	1030 59th St., Oakland, Cal.....	1,000
6TV	Soprano, Anthony.....	245 Clement St., San Francisco, Cal.....	250
6AS	Soules, Ernest H.....	75 Bush St., San Jose, Cal.....	27
6TG	Speir, Godfrey B.....	2731 Dwight Way, Berkeley, Cal.....	500
60J	Spencer, Oscar J.....	35 Douglass St., San Francisco, Cal.....	90
6RS	Spring, Fred R.....	315 W. 51st Ave., Los Angeles, Cal.....	330
6ABK	Squires, Harold D.....	306 S. Pierce Ave., Whittier, Cal.....	200
6TY	Standiford, Vaughn II...	382 Central Ave., Pacific Grove, Cal.....	550
6JR	Stauffer, John.....	601 Broderick St., San Francisco, Cal...	500
6ABL	Stebbins, Charles L.....	222 Short St., Long Beach, Cal.....	500
6PW	Stone, Philip B.....	Murray, Utah.....	100
6CJ	Stowe, Theodore E.....	41st Ave., Capitola, Cal.....	60
6AB	Street, George.....	1208 Myrtle St., Oakland, Cal.....	500
6SZ	Strong, Stuart E.....	268 Jayne St., Oakland, Cal.....	1,000
6WG	Strong, William A.....	721 Petaluma Ave., San Rafael, Cal.....	1,000
6FO	Stubbe, Frank A.....	2629 Mission St., San Francisco, Cal.....	100
6VB	Sundquist, Fred.....	2153 Albee St., Eureka, Cal.....	125
6SU	Sutherland, Clarence.....	2334 94th Ave., Oakland, Cal.....	990
6AAN	Sykes, Joseph.....	453 S. Hope St., Los Angeles, Cal.....	110
6AAT	Szukalski, Joseph P.....	5610 Mission St., San Francisco, Cal.....	500
6BW	Taylor, Edwin K.....	3766 Chamcune Ave., San Diego, Cal.....	550
6EH	Taylor, Frank G.....	512 Oak St., San Francisco, Cal.....	100
6NH	Terrell, Edwin.....	271 8th St., San Pedro, Cal.....	110
6HI	Tessien, Henry A.....	2929 Octavia St., Oakland, Cal.....	250
6TX	Thacker, Roy M.....	931 Concord St., Los Angeles, Cal.....	1,000
6BY	Thorson, Robert W.....	3616 Felton Ave., Richmond, Cal.....	880
6JT	Tibbitts, Jonathan C.....	1246 St. Charles St., Alameda, Cal.....	250
6KG	Tripp, Dwight K.....	933 Grammercy Drive, Los Angeles, Cal...	550
6CZ	Tubbs, Ernest A.....	103 Tribune St., Redlands, Cal.....	100
6WE	Tulp, Ralph.....	840 W. 53d St., Los Angeles, Cal.....	100
6ABR	Turner, Herbert C.....	1703 Berendo St., Los Angeles, Cal.....	330
60T	Tyler, Otto B.....	352 Illinois St., Pomona, Cal.....	250
6DT	Underwood, Ernest G.....	903 E. Commercial St., Inglewood, Cal...	250
6GL	Van Auker, George L.....	San Jose, Cal.....	20
6ML	Van Manning, Harold.....	34 Hunolt St., Santa Cruz, Cal.....	100
6DF	Vogeley, Herbert H.....	341 Chestnut Ave., Long Beach, Cal.....	225
6AT	Volkmr, George C. T.....	203 Bellefontaine St., Pasadena, Cal.....	250
6VU	Vonderheide, Harold II...	711 Carson St., Carson City, Nev.....	180
6BA	Wadsworth, Claude E.....	168 Matheson St., Healdsburg, Cal.....	250
600	Walden, Myran.....	1050 48th St., Oakland, Cal.....	600
60C	Wallace, Donald C.....	1431 Linden Ave., Long Beach, Cal.....	440
6IG	Wallace, Edward A.....	138 Water St., Santa Cruz, Cal.....	1,000
6VY	Wallace, Forrest P.....	120 S. Monterey St., Alhambra, Cal.....	550
6TJ	Warner, Stafford W.....	1829 West St., Oakland, Cal.....	500
6QW	Waters, John E.....	2316 Bowditch St., Berkeley, Cal.....	1,000
6CS	Webber, Franklin C.....	632 N. Bunker Hill Ave., Los Angeles, Cal...	750
6WU	Weddell, Clarence C.....	236½ Walnut St., San Jose, Cal.....	100
6AN	Weisbart, Ben.....	136 S. Lucas St., Los Angeles, Cal.....	250
6VW	Weitfle, Roy.....	2217 Shattuck St., Berkeley, Cal.....	750
6GW	Werner, George W., jr.....	3029 Adeline St., Berkeley, Cal.....	250
6UX	Whidden, Ira P.....	1246 Liberty St., Santa Clara, Cal.....	150
6VA	White, G. Richard.....	435 Oakland Ave., Pasadena, Cal.....	250
6DU	Whitworth, George K.....	265 Mountain Trail, Sierra Madre, Cal.....	250
6PY	Wight, Ralph W.....	201 S. Grevilla Ave., Inglewood, Cal.....	18
6RL	Wiley, Ralph W.....	1250 26th Ave., San Francisco, Cal.....	500
6AAM	Willey, Oscar F.....	292 King St., Santa Cruz, Cal.....	500
6JL	Williams, John.....	1202 8th St., Oakland, Cal.....	270

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
6RZ	Williams, Roy D.....	554 Pine Ave., Long Beach, Cal.....	<i>Watts.</i> 250
6NV	Williams, Theodore T...	295 California Ter., Pasadena, Cal.....	100
6UG	Williams, Tom A.....	328 N. Meesa St., San Pedro, Cal.....	250
6BH	Williamson, Harry.....	10 S. Church St., Redlands, Cal.....	15
6OG	Willis, Fred S.....	2140 California St., Eureka, Cal.....	70
6QB	Wilmot, Allen G.....	2114 3d Ave., Los Angeles, Cal.....	1,000
6NP	Wilson, J. Vernon.....	Encanto, Cal.....	450
6VZ	Winser, Lindley.....	200 22d St., Bakersfield, Cal.....	440
6IT	Winship, Leslie W.....	4820 Jackdaw St., San Diego, Cal.....	550
6FW	Wisner, Fred L.....	1346 30th St., San Diego, Cal.....	495
6SV	Wright, Harlow.....	Orange Cove, Cal.....	1,000
6WY	Young, William H.....	1937 9th Ave., Oakland, Cal.....	500
6MQ	Zangraff, Thomas J.....	479 Cypress St., Pasadena, Cal.....	990

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
6AA	Aster, Alvin K.	6ABO	Evans, Charles C.
6AAB	Hemenway, Clyde C.	6ABR	Turner, Herbert C.
6AAC	Heaney, Clarence M.	6AC	Capwell, Cebert E.
6AAD	Mahn, Erich G.	6AH	Botts, James.
6AAE	Garcia, David.	6AHN	Newman, Harold L.
6AAF	Collins, Wayne A.	6AHR	Hanson, Marion G.
6AAG	Gilbert, Phillip H.	6AHT	Dunn, Frederick J.
6AAH	Gilstrap, L. Frederick.	6AJ	Bean, James.
6AAI	Gregory, Merle M.	6AJA	Harris, Howard D.
6AAJ	Linville, Charles R.	6AL	Brandis, Fred A.
6AAK	Green, Carl V., jr.	6ALC	Eriksen, Elwood C.
6AAL	Lyon, John D.	6AM	Benn, Julius A.
6AAM	Willey, Oscar F.	6AN	Weisbart, Ben.
6AAN	Sykes, Joseph.	6AO	Bargar, Avery E.
6AAO	Alexander, Willard B.	6AQ	De La Cruz, George.
6AAP	Beal, Ira A.	6AR	Greenquist, Elmer A.
6AAR	Bennett, Dudley W.	6ARD	Dow, Clifford J.
6AAT	Szukalski, Joseph P.	6AS	Soules, Ernest H.
6AAU	Baston, Cyril E.	6AT	Volkmar, George C. T.
6AAV	Ryberg, Walter G.	6AU	Clark, Paul U.
6AAW	Blauvelt, Frank E.	6AV	Peck, W. Frank.
6AAX	Brummeler, John A.	6AWE	Buckingham, Eldridge.
6AAZ	Craig, Carl D.	6XA	Anderson, William A.
6AAZ	Carvill, Glenn A.		
6AB	Street, George.	6BA	Wadsworth, Claude E.
6ABA	Connolly, Norman, jr.	6BC	Oldham, William G., jr.
6ABB	Gilbert, Samuel A.	6BF	Powell, Meade W.
6ABC	Hellikson, Vivian L.	6BH	Williamson, Harry.
6ABD	Hess, Howard P.	6BI	Moore, Ezra.
6ABE	Hovgaard, Irvin C.	6BJ	Bunting, Lawrence.
6ABF	Moore, Walter.	6BK	Frost, William H.
6ABG	McLaren, Alfred.	6BM	Godwin, Merle H.
6ABH	Peacock, Vernon L.	6BO	Johnson, Albert N.
6ABI	Ray, William.	6BP	Shannon, Leslie.
6ABJ	Ross, Earl F.	6BU	Mills, Harry D.
6ABK	Squires, Harold D.	6BW	Taylor, Edwin K.
6ABL	Stebbins, Charles L.	6BY	Thorson, Robert W.
6ABM	Bevitt, Edwin R.		
6ABN	Brunner, Albert W.	6CA	Corby, Grant W.

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—
Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
6CC	Hilleary, Frank J.	6GD	Day, Elwin C.
6CE	Clark, J. R.	6GF	Farmer, Gordon.
6CG	Harty, Courtenay E.	6GI	Rothe, C. Ernest.
6CJ	Stowe, Theodore E.	6GL	Van Auken, George L.
6CL	Cosby, Mark B.	6GM	Mackin, George R.
6CN	Hendrix, Charles F.	6GO	Goss, William M.
6CO	Ferrero, Henry D.	6GP	Post, George W.
6CP	Pickard, Clifford L.	6GW	Werner, George W., jr.
6CR	Potter, Lee Roy.	6HD	Dickow, Henry W.
6CS	Webber, Franklin C.	6HG	Hart, Gardner L.
6CT	Seidel, William E.	6HH	Hollingsworth, D. R.
6CU	Bell, Albert E.	6HI	Tessien, Henry A.
6CW	Cook, George W.	6HJ	McIntosh, Harold S.
6CY	Lundy, Elmer C.	6HK	Krauter, Howard R.
6CZ	Tubbs, Ernest A.	6HL	Linhoff, Harold R.
6DA	Brown, Ralph E.	6HN	Henrich, Richard W.
6DB	Heitahusen, Dick.	6HQ	Newton, Henry G.
6DC	Hibbard, Charles H., jr.	6HR	Royden, Herbert N., jr.
6DF	Vogeley, Herbert H.	6HV	Ferrill, Herbert E.
6DH	Grimes, W. Frank.	6IC	Austin, Russell F.
6DI	Cookson, Howard A.	6IE	Chambers, James.
6DK	Mundt, Carlos S.	6IF	Farwell, Ivyn.
6DL	Espe, Oliver E.	6IG	Wallace, Edward A.
6DM	Archer, Robert P.	6IH	Hazleton, Ralph L.
6DN	Guidotti, William F.	6IJ	Boehme, Herbert L.
6DP	Grundell, Herbert.	6IR	Irey, Earl R.
6DT	Underwood, Ernest G.	6IT	Winship, Leslie W.
6DU	Whitworth, George K.	6IV	Pierson, Walter.
6DY	Mattox, Harry D.	6IX	McCreery, Maurice.
6DZ	Caldwell, Duncan K.	6IZ	Leeper, Ernest.
6EA	Seefred, Howard C. and Lyndon F.	6JA	Knight, James B.
6EB	Bazzini, Emil M. H.	6JC	Kulish, John J., jr.
6EC	Lewis, Harrison E.	6JD	Rinney, John.
6EF	Biddle, Charles J.	6JF	Forsburg, Joe A.
6EG	Aten, Arthur B.	6JK	Jennings, John W.
6EH	Taylor, Frank G.	6JL	Williams, John.
6EJ	Houtz, Eugene R.	6JN	Livesay, J. Russell.
6EK	Eiferle, Chrissie.	6JR	Stauffer, John.
6EL	LeFevro, Eugene.	6JS	Silvershield, Bernhard J.
6EN	deNeuf, Emil A.	6JT	Tibbitts, Jonathan C.
6ES	Schaefer, Carl.	6KA	Dickey, Herbert A.
6ET	Fenner, Paul R.	6KD	Dutton, Kingsley.
6FA	Arnberger, Frank, jr.	6KE	Dogan, Kenneth.
6FD	Deardorf, Francis H.	6KG	Tripp, Dwight K.
6FH	Rutzen, Frank E.	6KH	Philippi, Charles.
6FI	Evelth, Harlan A.	6KJ	Mills, Eldon C.
6FJ	Barnum, Coit L.	6KL	Diehl, Fred.
6FK	Frank, Walter H.	6KO	Short, Ralph R.
6FN	Smith, Harry T.	6KS	Martin, Neal D.
6FO	Stubbe, Frank A.	6KT	Miller, Walter G.
6FS	Short, Frank A.	6KV	Hankins, Marvin J.
6FT	Ruch, Charles.	6KY	Andrews, Harold S.
6FW	Wisner, Fred L.	6KZ	Beaver, Gerald A.
6FX	Frizzi, William.	6LA	Blochman, Lawrence G.
6FY	Buell, Clarence R.	6LB	Barton, Larry J.
6GC	Greene, Harry A.	6LC	Comins, Frank L.

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
6LE	Lewis, Tony D.	6PO	Drath, Walter J.
6LF	Alexander, Lee.	6PT	Nulsen, William B.
6LH	Hunt, Lloyd F.	6PW	Stone, Philip B.
6LI	Isaacs, Louis R.	6PX	Barlow, Roy.
6LJ	Olmstead, William H.	6PY	Wight, Ralph W.
6LL	Griffith, William M.	6PZ	Brown, Robert L.
6LN	Polytechnic High School.		
6LO	Lory, C. S.	6QB	Wilmot, Allen G.
6LP	Gray, Clifford L.	6QG	Nelson, Martin A.
6LS	Smelser, Laurel J.	6QJ	Chamberlain, George E.
6LV	Passage, Raye L.	6QK	Gill, Fred M.
6LW	Phelps, Allen G.	6QL	Barker, Waldo W.
6LX	Berlin, Latham.	6QO	Preston, Harold.
		6QW	Waters, John E.
6MC	McGown, Dudley B.	6QX	Baird, Maxfield A.
6MD	Macfarlane, Thomas R.	6QY	Miley, Jerome.
6MH	Logan, Hugh H.	6QZ	Schwartz, Sylvain A.
6MJ	McConnell, Emmett W.		
6MK	Coates, Walton L.	6RA	Brandt, Robert L.
6ML	Van Manning, Harold.	6RC	Moelris, Russell.
6MN	Maher, Edward T.	6RG	Downs, Robert F.
6MQ	Zangraft, Thomas J.	6RI	Hanchett, Robert J.
6MT	Mount Tamalpais Military Academy.	6RJ	Miller, Roy A.
6MV	MacMullen, Gerald.	6RL	Wiley, Ralph W.
6MY	Johnston, Robert.	6RN	Norton, Russell.
		6RO	Ormsby, Russell.
6NA	Nielson, Anders.	6RS	Spring, Fred R.
6NC	Clayberg, William J.	6RV	Querolo, Louis.
6ND	Breck, F. Bon.	6RY	Bullard, Orlan K, jr.
6NF	Newton, Francis L.	6RZ	Williams, Roy D.
6NG	Gerlach, Leonard J.		
6NH	Terrell, Edwin.	6SC	Sargent, Edward M.
6NI	Nilli, Emil.	6SH	Shippam, Cecil H.
6NJ	Cunnigham, Edward J.	6SI	Hoyt, Leander L.
6NP	Wilson, J. Vernon.	6SK	Skaale, Arthur J.
6NQ	Francis, Ernest R.	6SO	Bunting, Howard S.
6NR	Belden, Marion.	6SQ	Fonseca, Arthur.
6NT	Selby, Charles J.	6SS	Morrow, James W.
6NV	Williams, Theodore T.	6ST	Evans, Bryan.
6NX	Calvert, Paul P.	6SU	Sutherland, Clarence.
		6SV	Wright, Harlow.
6OC	Wallace, Donald C.	6SW	Anderson, Elroy E.
6OD	Cook, John A.	6SZ	Strong, Stuart E.
6OE	Ostronik, Rudolph.		
6OG	Willis, Fred S.	6TD	Dowling, Thomas L.
6OJ	Spencer, Oscar J.	6TE	Eisenhuth, Thomas V.
6OK	Dillon, Lyle.	6TF	Seely, Frank.
6OL	Petersen, Odin T.	6TG	Speir, Godfrey B.
6OM	Kaufmann, Irwin L.	6TJ	Warner, Stafford W.
6OO	Walden, Myran.	6TL	Grow, Frank.
6OR	Nielsen, Fred J.	6TM	Lee, Howard R.
6OT	Tyler, Otto B.	6TN	Beckman, Philip E.
6OW	Scheidemantel, Oscar A.	6TO	McFern, Arthur L.
6OX	Martin, Andrew W., jr.	6TP	Johnson, Harold M.
		6TR	Farrell, Raymond.
6PA	Besley, Stephen H.	6TS	Schneider, Anton.
6PE	Ostrowsky, Arthur P.	6TU	Barnett, Thomas T.
6PF	Allen, Preston D.	6TV	Soprano, Anthony.
6PJ	McDonald, Byron C.	6TX	Thacker, Roy M.
6PN	Nesbit, Paul T.	6TY	Standiford, Vaughn H.
		6TZ	Harmon, Orville A.

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
6UA	Asadoorian, Theodore N.	6VI	Pressell, Willis R.
6UB	Ray, George.	6VJ	Barbour, Joseph L.
6UC	Nusser, George F.	6VL	Kaiser, Erlin.
6UE	Kramer, Augustus A.	6VM	Anderson, Herbert E.
6UF	Kemp, Thomas J.	6VN	Dorcy, Ben H., jr.
6UG	Williams, Tom A.	6VO	Lee, John A.
6UH	Gates, Howard C.	6VQ	Herup, Vilhelm C.
6UJ	Delius, Herbert A.	6VR	Sisson, Waldo L.
6UK	Heald's Business College.	6VT	Schleicher, Lorenz D.
6UL	Frezog, Aurelius.	6VU	Vonderheide, Harold H.
6UM	Freeman, Elmer D.	6VV	Wallace, Forrest P.
6UN	Shaw, William A.	6VW	Weitfle, Roy.
6UO	Polkinghorn, Frank A.	6VX	Loos, William V.
6UP	Creswell, Frank, jr.	6VY	Morton, J. Walter.
6UR	Richards, Hugh F.	6VZ	Winser, Lindley.
6US	Gibson, Walter L.		
6UT	Everard, Charles E.	6WC	Cornish, Warren D.
6UU	Shaffner, Lucius L.	6WE	Tulp, Ralph.
6UV	Reed, Carroll F.	6WF	Ford, Walter B.
6UW	Maynes, Walter W.	6WG	Strong, William A.
6UX	Whidden, Ira P.	6WK	Nickels, Lee.
6UY	Everhart, Laurence.	6WL	Leland, Wallace H.
6UZ	Gosmann, Jack L.	6WM	Morse, Willard A.
		6WP	Donelson, William E., jr.
6VA	White, G. Richard.	6WQ	Cowles, John.
6VB	Sundquist, Fred.	6WS	Schneider, William P.
6VC	Gottwald, Eugene A.	6WT	Mann, Frank W.
6VD	Loudon, Donald F.	6WU	Weddell, Clarence C.
6VE	Beraldo, Dewey.	6WX	Ebert, Howard W.
6VF	Griffin, Earl E.	6WY	Young, William H.
6VG	Patton, Claud W.	6WZ	Capps, Delphin J.
6VH	Root, John.		

SEVENTH DISTRICT.

[Headquarters: Federal Building, Seattle, Wash. The seventh district comprises the States of Oregon, Washington, Idaho, Montana, Wyoming, and the Territory of Alaska.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
7EA	Adams, Edison.....	1131 South E St., Tacoma, Wash.....	50
7AB	Anderson, Alfred S.....	1253 Grand Ave., Astoria, Oreg.....	100
7GB	Andrews, Hiram J.....	223 Pontius Ave., Seattle, Wash.....	50
7HA	Andrews, Horton R.....	2105 45th St. SW., Seattle, Wash.....	250
7AH	Arnett, Harry.....	4111 Interlake Ave., Seattle, Wash.....	50
7PA	Aubel, Percy.....	169 19th Ave., Seattle, Wash.....	250
7AL	Austin, Lawrence.....	1211 Wall St., Everett, Wash.....	50
7BR	Bach, Roy O.....	4113 7th Ave. S., Seattle, Wash.....	400
7BJ	Baillargeon, George J.....	St. Martin's College, Lacey, Wash.....	25
7FD	Bancroft, Harvey.....	3024 Kromer Ave., Everett, Wash.....	440
7JA	Barnhisel, Howard.....	505 North I St., Tacoma, Wash.....	500
7CR	Barns, Charles.....	322 E. 4th St., Albany, Oreg.....	200
7BF	Bay, Frank W.....	1513 Adams Ave., La Grande, Oreg.....	500
7CB	Bennett, Cecil H.....	Rainier, Oreg.....	500
7AS	Bird, Lester F.....	909 Blewett St., Seattle, Wash.....	407
7DJ	Blagen, Henry W.....	914 Maple St., Hoquiam, Wash.....	5

AMATEUR RADIO STATIONS—SEVENTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
7SB	Blank, Sydney.....	581 Commercial St., Astoria, Oreg.....	500
7PC	Boardwell, Perry L.....	Camas, Wash.....	50
7DB	Bolstad, Archie L.....	1832 4th Ave. W., Seattle, Wash.....	16
7FB	Boswell, George.....	3887 16th St. SW., Seattle, Wash.....	440
7HB	Breum, Helmer O.....	3416 S. Madison St., Tacoma, Wash.....	1,000
7WB	Browning, William C.....	1437 20th Ave., Seattle, Wash.....	990
7GB	Butterfield, George H.....	815 Kearney St., Portland, Oreg.....	880
7BD	Campbell, Arthur C.....	Near Lewistown, Mont.....	1,000
7WC	Cates, Walter C.....	1704 Franklin St., Vancouver, Wash.....	1,000
7NA	Charlton, Chase.....	108 Galer St., Seattle, Wash.....	10
7VC	Coburn, William D.....	Ashland, Oreg.....	550
7CG	Comstock, George I.....	2031 1st Ave., Seattle, Wash.....	250
7EC	Covey, E. Channing.....	2429 Baker Ave., Everett, Wash.....	1,000
7DG	Cowles, Willis M.....	316 Smith Ave., St. Johns, Oreg.....	1,000
7DC	Crockett, George D.....	1420 Hawthorne Ave., Portland, Oreg.....	340
7CA	Crosby, Edward J.....	508 E. Sharp Ave., Spokane, Wash.....	50
7CC	Crowell, Chester E.....	1452 E. Couch St., Portland, Oreg.....	200
7UN	Curtis, Harry.....	215 Boston St., Seattle, Wash.....	990
7HC	Cutting, H. Everett.....	318 N. Black Ave., Bozeman, Mont.....	500
7DA	Dahms, Arthur H.....	1814 25th Ave. S., Seattle, Wash.....	250
7AC	Dailey, Arthur C.....	3915 Colby Ave., Everett, Wash.....	550
7DP	Dann, Percy W.....	6315 63d Ave. SE., Portland, Oreg.....	50
7HD	Davis, Hubert A.....	1904 Canoe Pl., Seattle, Wash.....	500
7PD	Davis, Percy E.....	Grass Valley, Oreg.....	1,000
7ED	Dawes, R. Earl.....	701 W. Main St., Bozeman, Mont.....	575
7CD	De Lacy, Clinton.....	1906 South J St., Tacoma, Wash.....	100
7AN	Dolloff, Ralph E.....	3724 Colby Ave., Everett, Wash.....	880
7AD	Douglas, Alfred E.....	824 East E St., Grants Pass, Oreg.....	750
7TD	Down, Theodore A.....	Lacey, Wash.....	50
7VD	Du Cette, Victor.....	4023 Meridian Ave., Seattle, Wash.....	250
7WD	Duncan, Willard.....	3922 Woodlawn Ave., Seattle, Wash.....	990
7MD	Durkee, Mealon.....	713 St. Holens Ave., Tacoma, Wash.....	500
7CE	Eichelberger, H. Carl.....	715 N. 9th St., Boise, Idaho.....	770
7ME	Elliott, Morton W.....	635 S. Atlantic St., Dillon, Mont.....	300
7BE	Ellis, Bruce.....	522 Burleigh Ave., Aberdeen, Wash.....	500
7CN	Emigh, Charles.....	355 Grove St., Walla Walla, Wash.....	660
7GU	Evans, G. R.....	Clarkston, Wash.....	1,000
7IF	Fabris, Ivan M.....	916 E. Marion St., Seattle, Wash.....	50
7FF	Farris, Frank E.....	1604 Spring St., Olympia, Wash.....	250
7HH	Fee, Lewis H.....	Everett, Wash.....	150
7EF	Ford, Edwin D., jr.....	Weiser, Idaho.....	800
7SG	Gianelli, Salver.....	517 E. Sharp Ave., Spokane, Wash.....	50
7GF	Gibbs, Floyd F.....	512 E. 4th St., Hood River, Oreg.....	275
7GG	Godner, Ernest F.....	1612 E. 65th St., Seattle, Wash.....	330
7LG	Gottfried, Lavon E.....	Falls City, Oreg.....	20
7MG	Graff, Richard H.....	714 North D St., Tacoma, Wash.....	50
7GR	Gratke, Charles E.....	661 Commercial St., Astoria, Oreg.....	250
7JG	Graves, James W.....	19th St. and Grand Ave., Astoria, Oreg.....	50
7CH	Hansen, Carl L.....	5415 6th Ave. NW., Seattle, Wash.....	400
7KC	Harker, Theodore C.....	920 Sumner St., Sheridan, Wyo.....	220
7DH	Haskell, Willard D.....	3732 Hoyt St., Everett, Wash.....	990
7EE	Hawkins, Edward K.....	1800 27th Ave. S., Seattle, Wash.....	250
7OH	Heacock, Orland M.....	305 Main St., La Grande, Oreg.....	250
7HG	Henderson, Paul.....	Bend, Oreg.....	440
7GC	Henny, George C.....	530 Heights Ter., Portland, Oreg.....	250
7FH	Henriot, Floyd F.....	2132 N. Steele St., Tacoma, Wash.....	250
7HY	Hicklyn, Harold H.....	2909 S. Warner St., Tacoma, Wash.....	100
7HI	Higman, Harry H.....	Hamilton, Mont.....	200
7HF	Hoag, Joseph B., jr.....	R. F. D. No. 1, Warrenton, Oreg.....	250
7GD	Hoffman, Carl A.....	1618 Sunset Ave., Seattle, Wash.....	1,000

AMATEUR RADIO STATIONS—SEVENTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
7PH	Hoffmann, Philip	621 S. 1st St., Walla Walla, Wash.	220
7GN	Hohlbein, Charles A.	3515 Woodlawn Ave., Seattle, Wash.	550
7CF	Holdbrook, Charles S.	474 E. Broadway, Portland, Oreg.	110
7BI	Holm, Frank E., jr.	6507 Palatine Ave., Seattle, Wash.	660
7AQ	Holm, Paul E.	422 Blackstone St., Portland, Oreg.	880
7GI	Horne, Gilbert.	4130 45th Ave. SW., Seattle, Wash.	22
7MH	Hull, Morris F.	2238 Commercial St., Astoria, Oreg.	---
7HU	Hursh, Harold H.	Medical Springs, Oreg.	800
7CI	Ingwersen, John.	3033 W. 71st St., Seattle, Wash.	250
7EJ	Jackson, Edgar F.	1135 Thurman St., Portland, Oreg.	150
7OJ	Jensen, Otto.	3007 Kromer Ave., Everett, Wash.	---
7AI	Johnson, Clifford E.	1004 N. Adams St., Tacoma, Wash.	280
7KG	Johnson, Evald T.	1806 25th Ave. S., Seattle, Wash.	250
7GJ	Johnson, Gale H.	124 Queen Anne Ave., Seattle, Wash.	660
7NJ	Johnson, Norman.	432 26th St. N., Seattle, Wash.	440
7HJ	Jones, Henry L.	1111 E. Cherry St., Seattle, Wash.	250
7CJ	Josephson, Carl L.	638 Commercial St., Astoria, Oreg.	50
7GK	Kendall, George O.	431 Rodney Ave., Portland, Oreg.	1,000
7JC	Keyes, John A.	1004 North K St., Tacoma, Wash.	500
7CK	King, Clement S.	1901 W. 70th St., Seattle, Wash.	500
7WK	Kleist, Walter A.	902 S. Yakima Ave., Tacoma, Wash.	1,000
7KA	Klink, Chester A.	569 N. Union Ave., Portland, Oreg.	45
7KB	Knowles, Earl H.	603 Seneca St., St. Johns, Oreg.	1,000
7JK	Knowles, Josiah S.	2228 2d Ave. W., Seattle, Wash.	250
7AK	Koester, Alpha M.	Near North Powder, Oreg.	430
7KD	Kraft, Vincent I.	6519 19th St. NE., Seattle, Wash.	75
7LK	Kuhn, Lee Guey.	2d and Main Sts., Vancouver, Wash.	950
7EL	La Pine, Earl.	1747 26th Ave. N., Seattle, Wash.	550
7LA	Larson, Walter L.	1700 W. 57th St., Seattle, Wash.	500
7FW	Lee, Emery H. I.	1412 Summit Ave., Seattle, Wash.	330
7FL	Ling, Frank Moy.	506 Mill St., Portland, Oreg.	90
7HL	Lougimire, Harold D.	408 S. 32d St., Tacoma, Wash.	125
7LU	Ludgate, Wallace, jr.	2190 Alki Ave., Seattle, Wash.	500
7HK	Mahler, Harold E.	4730 20th Ave. NE., Seattle, Wash.	750
7RM	Marbourg, Roy L.	2303 Nob Hill Ave., Seattle, Wash.	770
7MQ	Marquis, A. N., jr.	618 Spring St., Seattle, Wash.	48
7MA	Mathison, Martin J.	4102 N. 13th St., Tacoma, Wash.	220
7LM	Maybee, Loren C.	Weston, Oreg.	175
7SA	Maybee, Loren C.	Weston, Oreg.	495
7AM	Mayne, Alfred J.	925 E. Marion St., Seattle, Wash.	10
7HM	McCandless, Howard F.	204 S. Tacoma Ave., Tacoma, Wash.	1,000
7TW	McCord, David T. W.	933 Mt. Adams Drive, Portland, Oreg.	253
7BC	McGee, Donald E.	616 5th St., Hoquiam, Wash.	550
7DD	McKinnon, Daniel	Spiketon, Wash.	50
7WM	McKinnon, Walter J.	609 W. McGraw St., Seattle, Wash.	500
7BM	Merrill, Barrett M.	2315 S. Madison St., Spokane, Wash.	---
7JO	Methven, John H.	Ronald-by-Roslyn, Wash.	12
7HC	Michel, R. Henry	318 N. Black Ave., Bozeman, Mont.	1,000
7EM	Miller, E. Clarence.	504 E. Republican St., Seattle, Wash.	130
7JM	Milnor, John W.	2705 N. 21st St., Tacoma, Wash.	250
7DM	Minkler, Darrell.	127 Portland Ave., Medford, Oreg.	550
7MI	Minter, John W.	610 E. 19th St., Cheyenne, Wyo.	50
7AG	Moe, George.	4118 N. 16th St., Tacoma, Wash.	320
7AF	Moore, Alvin.	634 E. 56th St., Portland, Oreg.	50
7GM	Moore, Gale L.	4735 58th St. SE., Portland, Oreg.	1,000
7TM	Morgan, Tom T.	Renton, Wash.	50
7WH	Morse, Donald W. H.	6308 17th Ave. NE., Seattle, Wash.	50
7PM	Murfin, Paul E.	2458 6th Ave. W., Seattle, Wash.	360
7IN	Nelson, Ivan L.	1003 N. 12th St., Boise, Idaho.	495
7ON	Nicholson, W. Otto.	3115 S. 7th St., Tacoma, Wash.	1,000

AMATEUR RADIO STATIONS—SEVENTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
7RE	Nitschke, Erville W.	346 E. 34th St., Portland, Oreg.	280
7LO	O'Brien, Lester E.	Wilkeson, Wash.	900
7WO	Offutt, William	321 South G St., Tacoma, Wash.	500
7OW	Ovens, Wallace	169 19th Ave., Seattle, Wash.	440
7BP	Parenti, Bessie	268 Clay St., Portland, Oreg.	8
7HP	Pennell, Harry R.	317 Cornell Rd., Portland, Oreg.	220
7BB	Pennock, Colman	2833 32d Ave. S., Seattle, Wash.	250
7CP	Peterson, C. Edward	1008 Ralcigh St., Portland, Oreg.	375
7CW	Peterson, Charles W.	2922 3d Ave. W., Seattle, Wash.	500
7EP	Peterson, Edward T.	718 E. Ash St., Portland, Oreg.	45
7FC	Pfeiffer, Charles	319 W. 6th St., Albany, Oreg.	7
7PB	Philpott, Harley J.	Fairview Ave., Caldwell, Idaho.	660
7PR	Piercy, Russell H.	313 Tillamook St., Portland, Oreg.	250
7MP	Pohl, Maxwell A.	1651 Franklin Ave., Astoria, Oreg.	50
7NG	Pyle, Howard S.	3314 York Rd., Seattle, Wash.	770
7AA	Race, George A.	3335 S. 29th St., Tacoma, Wash.	75
7HR	Reichert, Howard G.	1007 E. 31st St., Tacoma Wash.	500
7NR	Richey, Nolan C.	3425 Broadway, Everett, Wash.	495
7GH	Riceland, Edward G.	1608 West St., La Grande, Oreg.	275
7AV	Root, Charles W.	905 S. Jersey St., St. Johns, Oreg.	250
7AR	Root, Dellmar A.	631 Buchanan St., St. Johns, Oreg.	1,000
7BH	Rosc, Bruce H.	1502½ 13th Ave., Seattle, Wash.	550
7LR	Ross, Lindsley W.	590 Main St., Portland, Oreg.	936
7JQ	Roy, James	2028 6th Ave., Seattle, Wash.	50
7JB	Rudesill, Elmer F.	421 Emerson Ave., Hoquiam, Wash.	500
7RD	Runyard, A. Don	706 Dakota St., Medford, Oreg.	300
7FR	Rush, Floyd M.	930 S. 13th St., Salem, Oreg.	220
7RR	Rust, Arthur	521 N. Yakima Ave., Tacoma Wash.	1,000
7CM	Ruth, Sebastian	Lacey, Wash.	1,000
7RJ	Ryan, James T.	302 18th Ave., Seattle, Wash.	250
7SP	Samma, Philip C.	415 S. 9th Ave., Pocatello, Idaho.	1,000
7RX	Schaar, Howard J.	721 21st Ave., Seattle, Wash.	250
7RG	Scott, Herbert	3940 Densmore Ave., Seattle, Wash.	24
7HS	Sherwood, Harley L.	1117 3d Ave., Seattle, Wash.	50
7DS	Shingler, Don G.	208 W. 19th St., Cheyenne, Wyo.	150
7US	Slewing, Vere T.	531 W. Palm St., Medford, Oreg.	1,000
7VS	Small, Vincent	2322 Wetmore Ave., Everett, Wash.	935
7BK	Smead, Earl	490 Morrison St., Portland, Oreg.	25
7AJ	Sorenson, Chester J.	1031 Quimby St., Portland, Oreg.	550
7WS	Sparrow, William T.	932 W. 63d St., Seattle, Wash.	550
7BS	Spencer, Arthur	2519 Fulton St., Everett, Wash.	990
7RS	Starr, Eugene	Falls City, Oreg.	40
7WQ	Stedman, William	Kake, Alaska.	25
7FA	Steiger, Alfred	6040 38th Ave. NW., Seattle, Wash.	50
7LV	Stenso, Alvin	1922 South J St., Tacoma, Wash.	250
7SL	Stinson, Leo.	2428 Pacific Ave., Hoquiam, Wash.	30
7SW	Swan, Emil	1461 Portsmouth Ave., Portland, Oreg.	1,000
7JD	Tait, John D.	1495 Chemeketa St., Salem, Oreg.	250
7DR	Thelberg, Raymond D.	4230 Brooklyn Ave., Seattle, Wash.	100
7LT	Thompson, Lloyd S.	109 5th St., Hamilton, Mont.	170
7JR	Tolmie, Jack R.	1213 Columbia St., Seattle, Wash.	10
7JT	Tyler, John L.	505 S. 4th St., Hamilton, Mont.	250
7HV	Vance, Harold C.	Pullman, Wash.	50
7JV	Vaughan, Joseph A.	1324 Yakima Ave., Tacoma, Wash.	300
7WR	Walling, Raymond	12th and Cross Sts., Salem, Oreg.	220
7KW	Warrens, C. Kenneth	848 Melinda Ave., Portland, Oreg.	220
7WG	Welch, Herbert E.	505 N. High St., Salem, Oreg.	50
7RV	Westcott, Roy	1607 N. 19th St., Boise, Idaho.	1,000
7HT	Whelan, Harold J.	612 W. 27th St., Vancouver, Wash.	50

AMATEUR RADIO STATIONS—SEVENTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
7DW	Willis, Cecil D.....	1316 Columbia St., Seattle, Wash.....	Watts. 10
7GW	Wilson, George D.....	1022 E. Heron St., Aberdeen, Wash.....	1,000
7JW	Wilson, John C.....	295 N. 24th St., Portland, Oreg.....	700
7WW	Wilson, William F.....	Bullards, Oreg.....	500
7LW	Wollaston, Arthur L.....	541 19th Ave., Seattle, Wash.....	250
7RW	Wright, Raymond F.....	R. F. D., Port Orchard, Wash.....	440
7GA	Wurtz, George A.....	Hanford, Wash.....	990

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
7AA	Race, George A.	7CP	Peterson, C. Edward.
7AB	Anderson, Alfred S.	7CR	Barns, Charles.
7AC	Dailey, Arthur C.	7CW	Peterson, Charles W.
7AD	Douglas, Alfred E.		
7AF	Moore, Alvin.	7DA	Dahms, Arthur H.
7AG	Moe, George.	7DB	Bolstad, Archie L.
7AH	Arnett, Harry.	7DC	Crockett, George D.
7AI	Johnson, Clifford E.	7DD	McKinnon, Daniel.
7AJ	Sorenson, Chester J.	7DG	Cowles, Willis M.
7AK	Koester, Alpha M.	7DH	Haskell, Willard D.
7AL	Austin, Lawrence.	7DJ	Blagen, Henry W.
7AM	Mayne, Alfred J.	7DM	Minkler, Darrell.
7AN	Dolloff, Ralph E.	7DP	Dann, Percy W.
7AQ	Holm, Paul E.	7DR	Thelberg, Raymond D.
7AR	Root, Dellmar A.	7DS	Shingler, Don G.
7AS	Bird, Lester F.	7DW	Willis, Cecil D.
7AV	Root, Charles W.		
		7EA	Adams, Edison.
7BB	Pennock, Colman.	7EC	Covey, E. Channing.
7BC	McGee, Donald E.	7ED	Dawes, R. Earl.
7BD	Campbell, Arthur C.	7EE	Hawkins, Edward K.
7BE	Ellis, Bruce.	7EF	Ford, Edwin D., jr.
7BF	Bay, Frank W.	7EJ	Jackson, Edgar F.
7BG	Andrews, Hiram J.	7EL	La Pine, Earl.
7BH	Rose, Bruce H.	7EM	Miller, E. Clarence.
7BI	Holm, Frank E., jr.	7EP	Peterson, Edward T.
7BJ	Baillargeon, George J.		
7BK	Smead, Earl.	7FA	Steiger, Alfred.
7BM	Merrill, Barrett M.	7FB	Boswell, George.
7BP	Parenti, Bessie.	7FC	Pfeiffer, Charles.
7BR	Bach, Roy O.	7FD	Bancroft, Harvey.
7BS	Spencer, Arthur.	7FF	Farris, Frank E.
		7FH	Henriot, Floyd F.
7CA	Crosby, Edward J.	7FL	Ling, Frank Moy.
7CB	Bennett, Cecil H.	7FR	Rush, Floyd M.
7CC	Crowell, Chester E.	7FW	Lee, Emery H. I.
7CD	DeLacy, Clinton.		
7CE	Eichelberger, H. Carl.	7GA	Wurtz, George A.
7CF	Holdbrook, Charles S.	7GB	Butterfield, George H.
7CG	Comstock, George I.	7GC	Henny, Geo. C.
7CH	Hansen, Carl L.	7GD	Hoffman, Carl A.
7CI	Ingwersen, John.	7GF	Gibbs, Floyd F.
7CJ	Josephson, Carl L.	7GG	Goodner, Ernest F.
7CK	King, Clement S.	7GH	Riesland, Edward G.
7CM	Ruth, Sebastian.	7GI	Horne, Gilbert.
7CN	Emigh, Charles.	7GJ	Johnson, Gale H.

AMATEUR RADIO STATIONS—SEVENTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
7GK	Kendall, George O.	7LV	Stenso, Alvin.
7GM	Moore, Gale L.	7LW	Wollaston, Arthur L.
7GN	Hohlbein, Charles A.		
7GR	Gratke, Charles E.	7MD	Durkee, Mealon.
7GU	Evans, G. R.	7ME	Elliott, Morton W.
7GW	Wilson, George D.	7MG	Graff, Richard H.
		7MH	Hull, Morris F.
7HA	Andrews, Horton R.	7MI	Minter, John W.
7HB	Breum, Helmer O.	7MM	Mathison, Martin J.
7HC	Cutting, H. Everett, and Michel, R. Henry.	7MP	Pohl, Maxwell A.
		7MQ	Marquis, A. N., jr.
7HD	Davis, Hubert A.		
7HF	Hoag, Joseph B., jr.	7NA	Charlton, Chae.
7HG	Henderson, Paul.	7NG	Pyle, Howard S.
7HH	Fee, Lewis H.	7NJ	Johnson, Norman.
7HI	Higman, Harry H.	7NR	Richey, Nolan C.
7HJ	Jones, Henry L.		
7HK	Mahler, Harold E.	7OH	Heacock, Orland M.
7HL	Longmire, Harold D.	7OJ	Jensen, Otto.
7HM	McCandless, Howard F.	7ON	Nicholson, W. Otto.
7HP	Pennell, Harry R.	7OW	Ovens, Wallace.
7HR	Reichert, Howard G.		
7HS	Sherwood, Harley L.	7PA	Aubel, Percy.
7HT	Whelan, Harold J.	7PB	Philpott, Harley J.
7HU	Hursh, Harold H.	7PC	Boardwell, Perry L.
7HV	Vance, Harold C.	7PD	Davis, Percy E.
7HY	Hicklyn, Harold H.	7PH	Hoffman, Philip.
		7PM	Murphin, Paul E.
7IF	Fabris, Ivan M.	7PR	Piercy, Russell H.
7IN	Nelson, Ivan L.		
		7RD	Runyard, A. Don.
7JA	Barnhisel, Howard.	7RE	Nitschke, Erville W.
7JB	Rudesill, Elmer F.	7RG	Scott, Herbert.
7JC	Keyes, John A.	7RJ	Ryan, James T.
7JD	Tait, John D.	7RM	Marbourg, Roy L.
7JG	Graves, James W.	7RR	Rust, Arthur.
7JK	Knowles, Josiah S.	7RS	Starr, Eugene.
7JM	Milnor, John W.	7RV	Westcott, Roy.
7JO	Methven, John H.	7RW	Wright, Raymond F.
7JQ	Roy, James.	7RX	Schaar, Howard J.
7JR	Tolmie, Jack R.		
7JT	Tyler, John L.	7SA	Maybee, Loren C.
7JV	Vaughan, Joseph A.	7SB	Blank, Sydney.
7JW	Wilson, John C.	7SG	Gianelli, Salver.
		7SL	Stinson, Leo.
7KA	Klink, Chester A.	7SP	Samma, Philip C.
7KB	Knowles, Earl H.	7SW	Swan, Emil.
7KC	Harker, Theodore C.		
7KD	Kraft, Vincent I.	7TD	Down, Theodore A.
7KG	Johnson, Evald T.	7TM	Morgan, Tom T.
7KW	Warrens, C. Kenneth.	7TW	McCord, David T. W.
7LA	Larson, Walter L.	7UN	Curtis, Harry.
7LG	Gottfried, Lavon E.	7US	Slewing, Vere T.
7LK	Kuhn, Lee Guey.		
7LM	Maybee, Loren C.	7VC	Coburn, William D.
7LO	O'Brien, Lester E.	7VD	DuCette, Victor.
7LR	Ross, Lindsley W.	7VS	Small, Vincent.
7LT	Thompson, Lloyd S.		
7LU	Ludgate, Wallace, jr.	7WB	Browning, William C.

AMATEUR RADIO STATIONS—SEVENTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
7WC	Cates, Walter C.	7WO	Offutt, William.
7WD	Duncan, Willard.	7WQ	Stedman, William.
7WG	Welch, Herbert E.	7WR	Walling, Raymond.
7WH	Morse, Donald W. H.	7WS	Sparrow, William T.
7WK	Kleist, Walter A.	7WW	Wilson, William F.
7WM	McKinnon, Walter J.		

EIGHTH DISTRICT.

[Headquarters: Customhouse, Cleveland, Ohio. The eighth district comprises the States of New York (all counties not included in second district), Pennsylvania (all counties not included in third district), West Virginia, Ohio, and Michigan (Lower Peninsula).]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
8ABG	Ackerman, Lee D.....	1316 West St., Homestead, Pa.....	1,000
8UY	Adams, Lucius O.....	85 De Russey St., Binghamton, N. Y. . . .	18
8AKU	Adams, Miles R.....	Sanitaria Springs, N. Y.....	20
8ALN	Addis, Roy R.....	46 Jones St., Mt. Clemens, Mich.....	550
8CE	Adler, Jerome.....	5550 Avondale St., Pittsburgh, Pa.....	1,000
8ACE	Ahlheim, Norman L.....	123 Laurel St., Buffalo, N. Y.....	24
8DZ	Aker, Ellison E.....	520 Woodward Ave., Lima, Ohio.....	1,000
8AJW	Aland, Joseph T.....	2640 Norwood St., Pittsburgh, Pa.....	330
8AEQ	Albertson, W. Charles.....	5400 Stanton Ave., Pittsburgh, Pa.....	250
8JT	Albrecht, Harvey O.....	10608 Dupont Ave. NE., Cleveland, Ohio..	21
8JU	Aldridge, George P.....	12702 Penobscot Ave., Cleveland, Ohio..	500
8ALE	Alexander, Lot.....	537 Center St., Grove City, Pa.....	495
8AAJ	Altenberg, Clarence P.....	1947 Franklin Ave., Toledo, Ohio.....	16
8RN	Altman, Allen.....	6710 Hudson Pl., Pittsburgh, Pa.....	1,000
8AJO	Amann, J. C.....	393 Oak Hill Ave., Youngstown, Ohio....	12
8ADY	Anderson, Harry M.....	New Wilmington, Pa.....	165
8GE	Anderson, John M., jr.....	2215 Auburn Ave., Cincinnati, Ohio.....	115
8JW	Anderson, Joseph D.....	719 E. 127th St., Cleveland, Ohio.....	330
8AA	Anderson, Sidney E.....	710 Commonwealth Ave., Detroit, Mich..	660
8AAW	Anderson, Thure C.....	416 N. Broad St., Ridgway, Pa.....	9
8UB	Andrews, Cecil J.....	Pittsford, Mich.....	18
8CJ	Andrews, William S.....	907 Mellon St., Pittsburgh, Pa.....	500
8KA	Ankerman, Roy E.....	403 E. Lima St., Wapakoneta, Ohio.....	500
8AMQ	Anson, Charles T.....	Au Sable Forks, N. Y.....	275
8DW	Aper, Charles O.....	555 18th St., Detroit, Mich.....	500
8JN	Arthurs, Biddle, jr.....	3046 Centre Ave., Pittsburgh, Pa.....	250
8RQ	Ashtabula High School.....	Ashtabula, Ohio.....	500
8TO	Attwood, Brooke.....	515 W. Spring St., Lima, Ohio.....	27
8FV	Backus, Harry F.....	1740 E. 31st St., Cleveland, Ohio.....	700
8FF	Baker, Raymond S.....	39 Steele Ave., Gloversville, N. Y.....	330
8VP	Ball, Alfred.....	Hubbard, Ohio.....	27
8OM	Balsley, James I.....	109 S. Cottage Ave., Connellsville, Pa....	125
8AEH	Balson, Donald W.....	243 E. College St., Oberlin, Ohio.....	100
8IH	Barber, Nelson J.....	77 Cleveland St., Amherst, Ohio.....	500
8VO	Barnard, Earl E.....	10402 Olivet Ave., Cleveland, Ohio.....	42
8WW	Barnes, Orton S.....	215 Main St., Binghamton, N. Y.....	990
8CC	Barnett, Walter J.....	269 S. Goodman St., Rochester, N. Y.....	21
8AKJ	Barnwell, Albert E.....	86 Eller Ave., Buffalo, N. Y.....	750
8AB	Barr, Forrest L.....	R. F. D. No. 1, Vickery, Ohio.....	210
8RX	Barringer, Russ.....	418 N. Wood St., Fremont, Ohio.....	14
8NJ	Bartholomew, William F.....	234 N. Tod Ave., Warren, Ohio.....	110

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Watts.
8LJ	Baxter, Raymond L.	2745 Woodward Ave., Highland Park, Mich.	220
8SI	Beach, Walter R.	2180 E. 90th St., Cleveland, Ohio.	900
8AKD	Beam, Francis H.	455 W. 4th St., Mansfield, Ohio.	770
8AFU	Beaman, Paul S.	91 Mill St., Binghamton, N. Y.	15
8JB	Beare, George L.	Columbus Ave. and Washington Row, Sandusky, Ohio.	990
8TZ	Beasley, Ira E.	1451 Clifton Pl., Lakewood, Ohio.	900
8AIL	Beaumont, William F.	432 Allen St., Jamestown, N. Y.	27
8AHS	Bechtol, George, jr.	1532 Oakmont St., Toledo, Ohio.	30
8JP	Becker, Freeman A.	885 West Ave., Buffalo, N. Y.	50
SJC	Bedwin, Earl T.	209 Lewis St., Charlevoix, Mich.	-----
8RI	Beeler, Hughes.	379 South D St., Hamilton, Ohio.	36
8AIF	Bell, Irving.	819 Wall St., Port Huron, Mich.	40
8DO	Bell, Norman W.	424 Tarleton Ave., Pittsburgh, Pa.	580
8AKA	Bender, Raymond C.	2642 Norwood St., Pittsburgh, Pa.	460
8KD	Benjamin, Carlisle.	174 Glasgow St., Clyde, N. Y.	30
8MM	Benzee, Arthur H., jr.	701 Walden Ave., Buffalo, N. Y.	20
8CS	Benzee, Henry J.	297 Grider St., Buffalo, N. Y.	18
8KT	Benzee, Joseph M.	93 Wex Ave., Buffalo, N. Y.	32
8AE	Berndt, William F.	608 Clark Ave., Detroit, Mich.	250
8HS	Berry, L. Mack.	131 W. Walnut St., Galion, Ohio.	990
8AGG	Berryman, Plimpton S.	609 Thomas St., Stroudsburg, Pa.	440
8SC	Bidwell, Paul.	8903 Cedar St., Cleveland, Ohio.	21
8OO	Bird, Harold C.	92 S. Johnson Ave., Pontiac, Mich.	500
8PZ	Bishop, Carryl L.	1 North Ave., Binghamton, N. Y.	24
8AGL	Bishop, Robert C.	413 Locust St., Lockport, N. Y.	750
8ACK	Blair, Russell M.	3930 Ivanhoe Ave., Norwood, Ohio.	30
8FU	Blattner, E. Herman.	73 Pardee St., Rochester, N. Y.	25
8TA	Blum, Louis.	777 S. Gilbert St., Columbus, Ohio.	495
8RH	Blum, Robert A.	157 High St., Buffalo, N. Y.	18
8LP	Bly, Ralph.	1358 Michigan Ave., Niagara Falls, N. Y.	250
8AIY	Boastfield, Thomas W.	135 4th St. N.E., Canton, Ohio.	50
8AGZ	Bohannan, Robert C.	226 E. 16th Ave., Columbus, Ohio.	450
8QJ	Bornman, Frederick D.	134 Delaware Ave., Detroit, Mich.	880
8ALO	Bovee, Charles W.	105 Beethoven St., Binghamton, N. Y.	27
8AIK	Boyd, Donald M.	Cambridge Springs, Pa.	660
8OU	Boyer, Harry A.	89 Kibbie St., Mt. Clemens, Mich.	440
8HL	Boyes, Edwin G.	170 Willis Ave., Detroit, Mich.	30
8ADB	Bray, Thomas J., jr.	524 Wick Ave., Youngstown, Ohio.	495
8CQ	Brede, Erwin F.	55 Melbourne Ave., Detroit, Mich.	333
8IV	Brehmer, Harry.	26 Locust St., Battle Creek, Mich.	990
8OG	Brink, Frank J.	Galen, N. Y.	30
8KI	Brockway, Earl H.	421 E. Court St., Flint, Mich.	990
8AG	Broome, Donald W.	100 Grand Ave., Mt. Clemens, Mich.	1,000
8AIM	Brothers, Loyd C.	Wellington, Ohio.	550
8KF	Broughton, Harry J.	702 N. George St., Rome, N. Y.	250
8QS	Brow, Robert.	Rose Hill, N. Y.	500
8VC	Brown, Arthur B.	1218 E. Erie Ave., Lorain, Ohio.	12
8UD	Brown, Kenneth W.	640 Harrison Ave., Scranton, Pa.	12
8NU	Brown, Willard S.	2134 E. 77th St., Cleveland, Ohio.	500
8FR	Brownell, Elmer.	1300 Steuben St., Utica, N. Y.	18
8AAU	Brownell, Ralph.	854 Prendergast Ave., Jamestown, N. Y.	500
8AFM	Bruley, Cyril G.	Industrial School, Lansing, Mich.	40
8AHE	Bruning, Miles F.	2842 Mt. Pleasant Ave., Hamilton, Ohio.	27
8FL	Buchanan, Sutton R.	920 Brice Ave., Lima, Ohio.	990
8CW	Bucholz, Herbert C.	1014 Bath St., Ann Arbor, Mich.	27
8VS	Buck, E. Harold.	61 Walker St., Tiffin, Ohio.	15
8AHU	Buckwalter, Eugene M.	216 Dana St., Wilkesbarre, Pa.	660
8AIS	Burdick, George M. C.	251 Goodwin Ave., Detroit, Mich.	250

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
8FI	Burger, Richard W.	822 S. McDonel St., Lima, Ohio.....	495
8ALU	Burkhardt, George E.	286 Garson Ave., Rochester, N. Y.	500
8AGH	Burns, Herman E.	107 W. John St., Martinsburg, W. Va.	300
8GA	Burr, Gordon.....	7209 Clinton Ave., Cleveland, Ohio.....	550
8RD	Burr, Roy C.	68 E. Elm St., Norwalk, Ohio.....	1,000
8AAM	Burton, Charles A.	1485 Winton Ave., Lakewood, Ohio.....	660
8MII	Bushnell, Clarence E.	645 W. Perry St., Buffalo, N. Y.	48
8PI	Butcher, W. Byron.....	Waynesfield, Ohio.....	1,000
8AID	Butine, Arthur B.	1203 N. Rose St., Kalamazoo, Mich.	24
8AIA	Cady, Fred L.	448 Bowery St., Akron, Ohio.....	6
8VR	Calvert, George C.	5309 Ellsworth Ave., Pittsburgh, Pa.	750
8WK	Campbell, George F.	831 Woodward Ave., McKees Rocks, Pa.	1,000
8UL	Campbell, Henry W.	118 S. 5th St., Ironton, Ohio.....	220
8NH	Candler, Mrs. Charles.....	203 N. Ash St., St. Marys, Ohio.....	180
8VY	Caplan, Zola.....	4821 Centre Ave., Pittsburgh, Pa.	50
8AGW	Carlson, Wendell L.	37 Maple St., Jamestown, N. Y.	650
8AJK	Carmack, Floyd A.	Gibsonburg, Ohio.....	45
8AIT	Carpenter, Sears.....	14234 Detroit Ave., Cleveland, Ohio.....	45
8MV	Carson, William H.	1140 James St., Kalamazoo, Mich.	550
8ED	Carver, Alfred J.	4 Warring Ave., Buffalo, N. Y.	440
8VI	Case, Harlow.....	Benzononia, Mich.....	550
8UC	Chadde, Walter F.	117 Huntington Park, Rochester, N. Y.	440
8JY	Chamberlain, Oscar A.	93 Pasadena Ave., Highland Park, Mich.	250
8AMA	Champe, Willard A.	130 W. Delaware Ave., Toledo, Ohio.....	18
8ADG	Chandler, Merle C.	1471 Winton Ave., Lakewood, Ohio.....	220
8VG	Chartener, Ralph R.	1110 Grandview St., Pittsburgh, Pa.	550
8PH	Chick, John B.	217 N. Monroe St., Titusville, Pa.	495
8AEE	Churchill, Herbert S.	913 10th St., Port Huron, Mich.	1,000
8SQ	Clarke, John H.	1010 Central Ave., Dunkirk, N. Y.	900
8IU	Clarke, W. Andrew.....	Glenshaw, Pa.	500
8FJ	Clausing, Leroy M. E.	406 Nye St., Lima, Ohio.....	770
8AJ	Clogh, Bert E.	186 N. Washington Ave., Battle Creek, Mich.	1,000
8DV	Cobb, Rupert G.	17 E. Alexandrine Ave., Detroit, Mich.	50
8AHT	Coldewey, Fred W., jr.	W. 71st St., Cincinnati, Ohio.....	30
8AET	Cole, Kenneth.....	45 King St., Oberlin, Ohio.....	8
8WY	Coleman, Aaron B.	Barker, N. Y.	40
8SM	Coleman, H. Burr.....	Savannah, N. Y.	120
8FG	Coleman, John B.	328 Locust St., Edgewood Park, Pa.	100
8IM	Collins, Benjamin F.	152 N. 4th St., Steubenville, Ohio.....	120
8KO	Combs, Frayne.....	601 W. Anglaize St., Wapakoneta, Ohio.....	500
8ADI	Conley, S. Dewey.....	2018 Carson St., Pittsburgh, Pa.	24
8WD	Conlon, Bernard.....	Alexandria Bay, N. Y.	20
8AHG	Cook, Paul.....	3301 Observatory Ave., Cincinnati, Ohio.....	20
8NC	Coolidge, James H., 3d.....	34 Chapman Ave., East Cleveland, Ohio.....	280
8KB	Core, Eugene D.	53 E. High St., Columbus Grove, Ohio.....	1000
8QL	Corey, Harry E.	Richmond, Mich.....	32
8AMX	Corey, Samuel I.	39 W. Mulberry St., Springfield, Ohio.....	1000
8AHK	Couperthwait, George F.	52 Schiller St., Binghamton, N. Y.	50
8CR	Coven, Allen W.	1122 West Ave., Elyria, N. Y.	35
8WC	Crabbe, J. E.	Glenville High School, Cleveland, Ohio.....	990
8ADM	Crandall, J. Lee.....	41 1st Ave., Franklinville, N. Y.	550
8GZ	Cromey, Leslie D.	221 Euclid Ave., Mt. Clemens, Mich.	250
8KX	Cuff, Harold C.	362 Walnut St., Buffalo, N. Y.	9
8TF	Cunningham, Fred B.	Birdville, Pa.	12
8EW	Current, Warren J.	11024 Detroit Ave., Cleveland, Ohio.....	250
8AEA	Cushman, Robert A.	306 Elm St., Ithaca, N. Y.	20
8RK	Dalrymple, Clarence F.	59 Green St., Fredonia, N. Y.	36
8AKE	Daly, James J.	28 Pine St., Binghamton, N. Y.	40
8NI	Daniels, Worth D.	1233 W. State St., Fremont, Ohio.....	24

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
8CF	Danner, Howard M.....	225 E. Market St., Wilkesbarre, Pa.....	250
8ALI	Dauberman, John R.....	1232 Race St., Sunbury, Pa.....	27
8FM	Daugherty, Robert J.....	628 W. Main St., Hamilton, Ohio.....	250
8BC	Davis, Charles C.....	Fenton, Mich.....	880
8AEG	Davis, Ellsworth.....	Morrice, Mich.....	440
8AN	Davis, Frank.....	73 Dakota Ave., Columbus, Ohio.....	500
8VZ	Davis, Harry R.....	4917 Washington St., Pittsburgh, Pa.....	550
8ALR	Davis, Paul E., jr.....	R. F. D., Gross Isle, Mich.....	275
8PI	Day, James M.....	Waynesfield, Ohio.....	1, 000
8MQ	Dear, Harry D.....	636 Preble Ave., Pittsburgh, Pa.....	20
8TG	Dehnel, Alfred H.....	424 Washington St., Sandusky, Ohio.....	935
8AO	Deighan, Edward L.....	5415 Herman Ave., Cleveland, Ohio.....	220
8IX	Dencer, John.....	1021 Tuscarawas St., Canton, Ohio.....	50
8WG	Densmore, U. Harry.....	220 Mitchell St., Petoskey, Mich.....	245
8AGM	Derr, Paul L.....	517 Wabash Ave., Akron, Ohio.....	6
8KJ	Des Jardins, Gregory T.....	2019 Main St., Cincinnati, Ohio.....	6
8AHN	De Tries, Harold G.....	77 Pleasant Ave., Lancaster, N. Y.....	22
8KK	Devaney, Richard G.....	196 Murray St., Binghamton, N. Y.....	20
8IJ	Diederich, Paul E.....	915 E. Grand Blvd., Detroit, Mich.....	1, 000
8AAH	Ditto, Earl J.....	614 State St., Petoskey, Mich.....	250
8KV	Dobbie, John, jr.....	700 Buffalo Ave., Niagara Falls, N. Y.....	500
8AME	Dobson, J. Howard.....	25 Cornell Ave., Kenmore, N. Y.....	72
8AEO	Doright, Gilbert A.....	145 Illinois Ave., Youngstown, Ohio.....	196
8AAG	Dominick, John H.....	56 Gallatin Ave., Buffalo, N. Y.....	30
8TQ	Donaldson, William E.....	2413 Collingwood Ave., Toledo, Ohio.....	250
8FS	Donohue, Daniel, jr.....	227 Florida Ave., Lorain, Ohio.....	12
8EF	Dorst, Edward L.....	39 Eaton St., Buffalo, N. Y.....	18
8ABT	Dotterweich, Edward, jr.....	533 Swan St., Dunkirk, N. Y.....	30
8AAS	Dotterweich, Francis X.....	523 Dove St., Dunkirk, N. Y.....	60
8OW	Dotterweich, Joseph H.....	379 Genesee St., Buffalo, N. Y.....	500
8TL	Dowding, Sidney J.....	57 Welts St., Mt. Clemens, Mich.....	225
8DU	Downing, Harry E.....	689 E. 118th St., Cleveland, Ohio.....	550
8ADH	Drda, Alois P.....	770 E. 70th St., Cleveland, Ohio.....	990
8KL	Dreifus, Fred B.....	5621 Hays St., Pittsburgh, Pa.....	24
8OX	Dreux, Alexander J.....	48 Garner Avenue, Buffalo, N. Y.....	18
8BD	Dugan, Charles.....	316 Laurel Ave., Olean, N. Y.....	250
8LQ	Dunlap, Orrin E., jr.....	1029 Cleveland Ave., Niagara Falls, N. Y.....	250
8AGY	Durham, Harold M.....	17 Cohasset St., Pittsburgh, Pa.....	500
8GD	Dutt, Angus.....	103 W. Willis Ave., Detroit, Mich.....	30
8AKY	Dyke, S. Eugene.....	211 Porter Ave., Warren, Ohio.....	250
8SW	Eames, William F.....	841 N. St. Clair St., Pittsburgh, Pa.....	275
8ACD	Eaton, Hamilton A.....	1145 Taylor Ave., Utica, N. Y.....	18
8VL	Edick, Leonard J.....	89 Forest St., Gloversville, N. Y.....	330
8UK	Egan, James.....	120 Barton St., Buffalo, N. Y.....	50
8TY	Ehrhardt, Roy C.....	820 Monroe Ave., Scranton, Pa.....	990
8PJ	Ehrich, William F.....	300 Warren St., Bucyrus, Ohio.....	1, 000
8ACO	Ekelberger, Charles.....	834 S. 7th St., Hamilton, Ohio.....	36
8AQ	Ela, Edward C. and William C.....	1320 Woodland Ave., Pittsburgh, Pa.....	400
8ER	Elias, Louis W.....	742 City Park Ave., Columbus, Ohio.....	412
8TS	Eppley, Ervin W.....	R. F. D. No. 4, Elyria, Ohio.....	80
8AEI	Erskine, James.....	212 Cass Ave., Mt. Clemens, Mich.....	100
8GG	Eucler, Clarence J.....	7427 Detroit Ave., Cleveland, Ohio.....	550
8ACS	Evans, Harold T.....	1745 W. Cleaney Ave., Norwood, Ohio.....	18
8AJD	Evans, Henry S.....	47 Orchard Ave., Bellevue, Pa.....	500
8AJG	Evans, Willard M.....	404 Centre Ave., Aspinwall, Pa.....	40
8AMR	Ewell, Pearl A.....	Milan, Ohio.....	20
8SE	Falck, Norman B.....	1529 Davis Ave., Pittsburgh, Pa.....	400
8HU	Faroo, Glenn.....	269 Grand Ave., Rochester, N. Y.....	440
8ADD	Fassett, G. M. Earle.....	1526 Olivewood Ave., Lakewood, Ohio.....	440

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
8IIN	Fee, Dean.....	761 N. West St., Lima, Ohio.....	1,000
8FA	Fender, Clinton H.....	28 W. 13th St., Cincinnati, Ohio.....	495
8LS	Ferris, Warren O.....	514 Elizabeth St., Petoskey, Mich.....	250
8CA	Fidler, Sherwood K.....	173 S. 6th St., Ironton, Ohio.....	12
8FE	Finch, Brent S.....	1727 E. McMillan St., Cincinnati, Ohio.....	385
8MK	Finch, William G. H.....	521 W. 7th St., Cincinnati, Ohio.....	500
8AFD	Finley, Chester T.....	R. F. D. No. 9, Mansfield, Ohio.....	30
8TR	Fischer, Carol V.....	811 Harrison Ave., Scranton, Pa.....	20
8MG	Fish, J. Mulford.....	307 Collins Ave., Pittsburgh, Pa.....	20
8KQ	Fisher, Earl U.....	1505 5th Ave., Pittsburgh, Pa.....	20
8MY	Fisher, Harold W.....	906 W. Wayne St., Lima, Ohio.....	500
8AAZ	Flagg, Lloyd E.....	158 Anderson Pl., Buffalo, N. Y.....	250
8TN	Fla Havhan, Harry E., jr.....	1813 Termon Ave., N. S., Pittsburgh, Pa.....	550
8UM	Flehr, Paul D.....	106 S. 7th St., Ironton, Ohio.....	10
8MW	Follet, Louis H., jr.....	Crafton, Pa.....	1,000
8UA	Foncanon, Knight.....	2024 Glenwood Ave., Toledo, Ohio.....	385
8ADK	Ford, Elliot.....	129 Dartmouth St., Rochester, N. Y.....	36
8IQ	Forsberg, William.....	1561 S. Limestone St., Springfield, Ohio.....	15
8CU	Forshee, Kenneth.....	South Butler, N. Y.....	33
8HR	Foster, Clarence M.....	Clarks Summit, Pa.....	32
8SF	Fowler, Robert J.....	324 Walnut St., Flint, Mich.....	500
8AT	France, William.....	829 Western Ave., Pittsburgh, Pa.....	500
8HZ	Fraser, John W.....	102 Garner Ave., Buffalo, N. Y.....	40
8VX	Fraser, William T.....	48 Glenwood Ave., Buffalo, N. Y.....	990
8NB	Frederick, Paul E.....	215 Clay St., Tiffin, Ohio.....	490
8TJ	Friedman, Martin.....	2259 E. 85th St., Cleveland, Ohio.....	330
8DP	Fritsche, Lewis W.....	4208 Florida Ave., Cincinnati, Ohio.....	550
8VA	Frost, August.....	116 Herman St., Buffalo, N. Y.....	24
8AU	Frost, Harry E.....	552 Glenwood Ave., Buffalo, N. Y.....	220
8AV	Fullwood, William R.....	1017 Pollock Ave., New Castle, Pa.....	660
8OJ	Furlong, Marcie J.....	711 N. Main St., Clyde, Ohio.....	250
8KP	Fuss, Chester G.....	Little Valley, N. Y.....	990
8TH	Gallo, Tony.....	Brockwayville, Pa.....	550
8AEM	Galloway, W. Lyon.....	110 W. Main St., Xenia, Ohio.....	1,000
8PK	Gamble, Frederick D.....	2412 Putnam St., Toledo, Ohio.....	500
8AMC	Garrette, Milton W.....	Hazleton, Pa.....	250
8IO	Garrity, William D.....	20 W. Genesee St., Lockport, N. Y.....	330
8EG	Gebhard, Louis A.....	1127 Ellicott St., Buffalo, N. Y.....	550
8VU	Geiser, Roger A.....	25 Hazelwood Ave., Emsworth, Pa.....	550
8AX	Gentsch, Leonard H.....	102 Northampton St., Buffalo, N. Y.....	18
8AKT	George, Charles G.....	81 E. Tremaine Ave., Kenmore, N. Y.....	36
8AEC	Gerhard, David H.....	R. F. D. No. 3, Hamilton, Ohio.....	27
8AKW	Giesenberg, Carl.....	3499 Boudinot Ave., Cincinnati, Ohio.....	50
8WI	Gillmore, Willard F.....	10815 Churchill Ave., Cleveland, Ohio.....	880
8TE	Gilmore, Alden J.....	3434 Dawson St., Pittsburgh, Pa.....	250
8SN	Glatzell, Earle D.....	448 S. 1st St., Ann Arbor, Mich.....	660
8AIW	Glover, James W.....	620 Oxford Rd., Ann Arbor, Mich.....	27
8WF	Goertemoeller, Bernard H.....	3908 Edgewood Ave., Cincinnati, Ohio.....	500
8RY	Goetz, Carl P.....	1518 Knowlton St., Cincinnati, Ohio.....	500
8AW	Gogel, Adelbert J.....	628 S. Erie St., Toledo, Ohio.....	500
8OF	Goodwin, Seth A.....	6032 St. Marie St., Pittsburgh, Pa.....	1,000
8VH	Googin, Nicholas L., jr.....	Cazenovia, N. Y.....	250
8EI	Gray, Clarence N.....	74 Ryan St., Buffalo, N. Y.....	250
8ADT	Greenwald, Hugo.....	9815 Westchester Ave., Cleveland, Ohio.....	220
8CG	Grieb, Edward J.....	121 Rose St., Springfield, Ohio.....	15
8IA	Griffin, John F.....	5219 Superior Ave., Cleveland, Ohio.....	40
8ND	Grigg, Arthur.....	741 Clinton St., Cincinnati, Ohio.....	495
8CK	Grinnell, Russell R.....	Richmond, Mich.....	275
8AAO	Gritton, Jack.....	760 Damon Pl., Akron, Ohio.....	8

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
8ABM	Grosse, Herbert F.	346 Germania St., Columbus, Ohio.	400
8QR	Grostick, George E.	1605 Wagar Ave., Lakewood, Ohio.	1,000
8CO	Grove City College.	Grove City, Pa.	1,000
8BW	Gruber, William S.	1033 Morris St., Utica, N. Y.	20
8JA	Gunn, Ross.	369 W. Lorain St., Oberlin, Ohio.	500
8DI	Gurnee, Floyd L.	Howell, Mich.	200
8RO	Gwinner, Frederick, 3d.	5th and Amberson Sts., Pittsburgh, Pa.	750
8QB	Haderer, John.	330 Fox St., Buffalo, N. Y.	500
8MD	Hall, Eldred R.	410 Center St., Solvay, N. Y.	750
8GT	Hamel, Arthur.	29 Martin St., Amherst, Ohio.	550
8AGC	Hamilton, Frank A., jr.	4020 Floral Ave., Norwood, Ohio.	27
8AJU	Hammerstrom, Amy M.	R. F. D. No. 21, Westfield, N. Y.	12
8US	Hancock, H. W.	337 S. Main St., Charlotte, Mich.	1,000
8AGT	Hand, Ledyard M.	1645 Lyson St. N.E., Grand Rapids, Mich.	27
8TB	Handler, Eugene H.	924 St. Paul St., Rochester, N. Y.	36
8NW	Hankin, John H.	30 Schutz Ave., Buffalo, N. Y.	250
8AZ	Hansen, Edmund H.	31 Deer St., Plymouth, Mich.	750
8NO	Hansen, Torvald.	7325 Clinton Ave., Cleveland, Ohio.	220
8AGE	Hanville, Roy A.	North Fairfield, Ohio.	36
8WT	Harber, Elwood F.	507 Columbia Ave., Rochester, N. Y.	18
8NR	Hare, Paul W.	Fredericktown, Ohio.	36
8AJT	Hart, Harold F.	620 Richfield Rd., Flint, Mich.	27
8PS	Hart, John R.	Duncannon, Pa.	440
8AM	Hartle, Wilbert G.	1438 W. 114th St., Cleveland, Ohio.	250
8AKH	Hartwich, Harry	Clarks Summit, Pa.	30
8AKG	Hassell, Karl E.	291 Ridge Ave., Sharpsville, Pa.	50
8WP	Hauenstein, Waldo E.	653 N. West St., Lima, Ohio.	880
8WV	Hawxhurst, Wilbur F.	719 Church St., Ann Arbor, Mich.	550
8SZ	Hay, Russell.	31 Auchinvole St., Buffalo, N. Y.	18
8FH	Haynes, William	102 N. Florence St., Springfield, Ohio.	750
8AIB	Heinrich, Raymond.	605 Hanover St., Hamilton, Ohio.	500
8AAE	Helbling, William E.	36 Marion Ave., Crafton, Pa.	550
8AD	Henders, Vernon W.	551 E. 114th St., Cleveland, Ohio.	250
8EX	Henlein, Carl A.	2446 Mound Ave., Norwood, Ohio.	1,000
8ADP	Henney, Keith.	344 Pearl St., Marion, Ohio.	220
8GN	Henninger, Alan E.	2038 W. 100th St., Cleveland, Ohio.	990
8JJ	Henze, Jerome C.	207 E. Palmer Ave., Detroit, Mich.	35
8AKF	Hepner, Earl.	450 Morgan St., Pittsburgh, Pa.	550
8WB	Herrington, Fred.	R. F. D. No. 6, Paw Paw, Mich.	18
8KC	Hetherington, H. Paul.	21 Rhode Island Ave., Highland Park, Mich.	220
8WE	Hickler, Walter R.	1340 Lakeland Ave., Lakewood, Ohio.	275
8PM	Higgy, Robert C.	1072 W. Market St., Lima, Ohio.	250
8AMT	Higgins, Orlo M.	214 Lake Ave., Elyria, Ohio.	495
8AIX	Hilf, Alfred J.	Mingo and Grotto Sts., Pittsburgh, Pa.	500
8AEX	Hill, Emin.	1510 4th St. S. E., Canton, Ohio.	380
8BA	Hiller, Herbert A.	117 Hanover St., Silver Creek, N. Y.	120
8KR	Hills, Virgil A.	2066 E. 100th St., Cleveland, Ohio.	220
8GB	Hill Top Y. M. C. A.	Pittsburgh, Pa.	270
8ACA	Hisey, Norval W.	226 Segus Ave., Toledo, Ohio.	250
8AIH	Hoehl, Raymond H.	238 Orchard St., Pittsburgh, Pa.	42
8ADU	Hoffman, Donald A.	50 S. Balch St., Akron, Ohio.	18
8GC	Hoffman, Walter R.	403 S. 7th St., Ann Arbor, Mich.	12
8QV	Hogan, James E.	26 Lincoln Ave., Crafton, Pa.	500
8FC	Holden, Ira S.	2920 Vernon Pl., Cincinnati, Ohio.	550
8MC	Holmes, Charles A.	New Berlin, N. Y.	1,000
8DR	Holmes, Charles E.	310 W. Brown St., Grand Rapids, Mich.	495
8HO	Holt, George W.	789 Prospect Ave., Buffalo, N. Y.	18
8TM	Hoobler, William H.	33 Florence Ave., Bellevue, Pa.	880
8IC	Hoover, Paul L.	32 Poplar St., Mansfield, Ohio.	1,000

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
8ABU	Hopkins, Cecil W.	812 S. 9th St., Hamilton, Ohio.	18
8GQ	Horn, Herbert E.	557 E. 117th St., Cleveland, Ohio.	1,000
8PT	Hornung, Romey W.	Lavelle, Pa.	550
8UR	Hott, Loewy.	149 S. Main St., Keyser, W. Va.	48
8AEV	Houck, Homer D.	430 Werner St., Youngstown, Ohio.	18
8NF	House, Elra E.	38 Taft St., Battle Creek, Mich.	1,000
8AMZ	Hovey, Carlton F.	476 Melville St., Rochester, N. Y.	200
8AGF	Howard, Carl G.	183 S. Pine St., Newark, Ohio.	30
8BB	Howes, Stanley L.	515 Eleanor St., Kalamazoo, Mich.	250
8ALT	Howland, Dwight.	Edinboro, Pa.	15
8AIJ	Huey, Wesley.	Middlefield, Ohio.	500
8AIN	Hughes, Edward H.	Wellington, Ohio.	18
8RR	Hull, Earl C.	763½ 15th St., Niagara Falls, N. Y.	550
8WR	Hultgren, Fred F.	710 W. 2d St., Erie, Pa.	12
8HM	Human, Edward J. L.	532 5th St., Niagara Falls, N. Y.	12
8ADW	Hume, McKinley.	603 Hanover St., Hamilton, Ohio.	500
8ABA	Hunter, Lafayette D.	104 Depew St., Rochester, N. Y.	18
8ALM	Hunter, Noble A.	Capac, Mich.	30
8UI	Hylie, Howard D.	1411 Main St., Buffalo, N. Y.	770
8ON	Igenfritz, Lester M.	900 Cass Ave., Detroit, Mich.	1,000
8PU	Imbt, Russell.	324 Braeside Ave., East Stroudsburg, Pa.	660
8RJ	Irvine, Robert P.	3501 Storer Ave., Cleveland, Ohio.	1,000
8AGB	Jacks, Albert L.	6505 Shetland Ave., Pittsburgh, Pa.	330
8JK	Jackson, Cotesworth M.	St. Clair Rd., Pottsville, Pa.	300
8DA	Jackson, Joseph, jr.	5915 Broad St., Pittsburgh, Pa.	24
8ACM	Jacobus, Roger.	312 Beakes St., Ann Arbor, Mich.	220
8AGK	James, Charles A.	32 Marion St., North Tonawanda, N. Y.	30
8BF	Jarvis, Roy B.	647 Main St., Wheeling, W. Va.	1,000
8AJE	Jax, Clarence.	343 Parkdale Ave., Buffalo, N. Y.	18
8TK	Jefferys, Paul M.	1444 Lauderdale Ave., Lakewood, Ohio.	250
8AAF	Jenks, Cyrus C.	311 2d St., Ann Arbor, Mich.	770
8AGU	Jepson, Mark B.	Little Valley, N. Y.	550
8EY	Jervis, Thomas E.	2325 Reading Rd., Cincinnati, Ohio.	250
8GR	Joecken, George I.	10310 Joan Ave., Cleveland, Ohio.	55
8CN	Johnson, Elmer.	455 Willard St., Jamestown, N. Y.	18
8ANA	Johnston, Dale S.	822 9th St., Huntington, W. Va.	250
8HC	Johnston, S. Paul.	201 S. Craig St., Pittsburgh, Pa.	275
8ACW	Johnstone, Richard S.	R. F. D. No. 2, Glenshaw, Pa.	32
8UO	Jones, D. Walter.	643 Schuyler Ave., Dorranceton, Pa.	500
8QK	Jones, Edwin P.	1114 Middle Ave., Elyria, Ohio.	30
8QM	Jones, Jesse K.	200 W. Market St., Pottsville, Pa.	24
8AKV	Justus, William F.	273 S. Monroe Ave., Columbus, Ohio.	18
8AKQ	Kachni, Francis J.	3267 Scranton Rd., Cleveland, Ohio.	440
8AIV	Kacastle, Albert.	1473 Maple Rd., Cleveland Heights, Ohio.	30
8ADO	Kahn, Fred J.	1421 Chester Ave., Cleveland, Ohio.	18
8QQ	Kampfe, Lorbert J.	1241 E. 103d St., Cleveland, Ohio.	1,000
8AIQ	Karl, Rudolph.	413 Robin St., Dunkirk, N. Y.	15
8BG	Kastenbergl, Paul G.	298 Hurlbut Ave., Detroit, Mich.	27
8AIU	Kays, George W., jr.	242 Chestnut St., Liberty, N. Y.	250
8NM	Keen, William L.	4012 Colerain Ave., Cincinnati, Ohio.	440
8ADX	Kellogg, Frederic J.	Alexandria Bay, N. Y.	24
8WZ	Kennedy, Duane E.	65 Prospect St., Ashtabula, Ohio.	275
8AEB	Kepler, Newton.	Venango, Pa.	24
8PC	Kersting, Ferdinand.	165 S. Gratiot Ave., Mt. Clemens, Mich.	440
8QE	Kester, Harold P.	626 University Ave., Rochester, N. Y.	36
8AAV	Kibbe, William H.	108 S. Clay St., Coldwater, Mich.	12
8AAP	Kimmel, Leslie.	Gilboa, Ohio.	500
8AKB	Kinback, Wilbur L.	820 Hitchcock Court, Scranton, Pa.	15
8IW	King, Joe P.	627 3d Ave., Detroit, Mich.	20
8BH	Kingsbury, Kenneth.	24 Chestnut St., Binghamton, N. Y.	1,000

142 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
8AMY	Kingsbury, Ralph N.	504 E. Main St., Ravenna, Ohio.....	20
8AAT	Kinman, Carson S.	931 Rawson Ave., Fremont, Ohio.....	750
8EU	Kinne, Laurance W.	Frankfort, Mich.....	120
8QO	Kirly, H. Howard.....	863 E. 73d St., Cleveland, Ohio.....	250
8RA	Klager, Oscar C.	611 S. Main St., Ann Arbor, Mich.....	500
8GV	Kleber, Jackson O.	1135 Murray Hill Ave., Pittsburgh, Pa...	275
8UT	Klein, Harold H.	275 Locust St., Buffalo, N. Y.....	22
8GJ	Kleinhaus, Arthur.....	162 Conkey Ave., Rochester, N. Y.....	24
8QF	Klinck, Charles C., jr.	38 W. Parade Ave., Buffalo, N. Y.....	250
8AKI	Klinkner, Alfred J.	309 Edmond St., Pittsburgh, Pa.....	500
8AIZ	Klyne, Arthur B.	Canfield, Ohio.....	30
8DN	Knappen, Bert.....	4 Trankla Ave., Grand Rapids, Mich.....	375
8GS	Kneale, C. Kewley.....	1337 W. 114th St., Cleveland, Ohio.....	278
8MN	Knoll, Floyd A.	93 Chapin Parkway, Buffalo, N. Y.....	10
8AJM	Koepke, Elmer A.	26 Joseph Ave., Rochester, N. Y.....	20
8KW	Kohler, Harry W.	605 E. Middle St., Wapakoneta, Ohio.....	36
8EJ	Kolb, Edwin H.	18 Camp St., Buffalo, N. Y.....	660
8GL	Konrad, Henry.....	750 Ross Ave., Hamilton, Ohio.....	550
8AFS	Kovatch, Alexander.....	1780 Fulton Rd., Cleveland, Ohio.....	24
8PD	Krause, Karl A.	244 S. Front St., Mt. Clemens, Mich.....	225
8JV	Kreighbaum, Cyril H.	12414 Ingomar Ave., Cleveland, Ohio.....	600
8AHW	Kremer, Harold E.	717 Race St., Pottsville, Pa.....	20
8CV	Kress, Lester P.	302 Georgia Ave., Lorain, Ohio.....	12
8AMW	Kreuzer, Joseph D.	663 Hopkins St., Buffalo, N. Y.....	21
8BI	Kroeger, Gustav H.	1837 Clarion Ave., Cincinnati, Ohio.....	990
8HY	Kuehner, Roland.....	168 Kinsey Ave., Cincinnati, Ohio.....	345
8OC	Kuehnle, George J.	156 Woolper Ave., Cincinnati, Ohio.....	120
8EK	Kumpf, Elmer H.	Crittenden, N. Y.....	675
8KY	Kunnar, William.....	R. F. D. No. 4, Ashtabula, Ohio.....	48
8ALD	Lacock, Walter B.	235 W. Pike St., Canonsburg, Pa.....	15
8KZ	Landgraff, William J.	3718 Parvis St., Pittsburgh, Pa.....	250
8EL	Langenbach, Leo.....	186 Riley St., Buffalo, N. Y.....	24
8AIO	Lannen, Cecil J.	Morrice, Mich.....	13
8BK	Lappe, E. Robert.....	5520 Baywood St., Pittsburgh, Pa.....	275
8RL	Last, George.....	107 E. Buckeye St., Clyde, Ohio.....	550
8AGS	Lathrop, Fred A. L.	516 W. Liberty St., Ann Arbor, Mich.....	36
8UP	Lathrope, Lyman S.	63 St. John Ave., Binghamton, N. Y.....	15
8ABS	Laurenz, George D.	1824 Franklin Ave., Toledo, Ohio.....	48
8TU	Leach, Gardner V.	2532 Robinwood Ave., Toledo, Ohio.....	250
8AGQ	Learmont, Victor.....	Yale, Mich.....	18
8AKC	Lee, Harold.....	436 Allen St., Jamestown, N. Y.....	27
8EQ	Leighton, Clifford R.	128 Eagle St., Utica, N. Y.....	1,000
8AFT	Leighton, Paul A.	14 S. 18th St., Columbus, Ohio.....	100
8GY	Leonard, Edwin.....	10703 Hull Ave., Cleveland, Ohio.....	1,000
8QD	Leonhardt, Carl.....	14 Olive St., Norwalk, Ohio.....	500
8AAB	Letherby, Arthur G., jr.	Mt. Pleasant Ave., Hamilton, Ohio.....	36
8AKM	Lewis, James F.	Port Crane, N. Y.....	64
8QG	Lewis, Walter E.	273 Pennsylvania Ave., Rochester, N. Y.....	30
8SV	Lilley, Ralph H.	16 Oak St., Westfield, N. Y.....	200
8CD	Lindhorst, Lester.....	2824 W. 14th St., Cleveland, Ohio.....	250
8AGN	Lindsay, Alexander M., jr.	600 Park Ave., Rochester, N. Y.....	874
8BE	Lippert, John P.	41 Stanwood Rd., East Cleveland, Ohio.....	275
8JO	Little, Donald G.	415 Woodward Ave., Kalamazoo, Mich.....	920
8IE	Little, John F. H.	35 South St., Lockport, N. Y.....	550
8MR	Livingood, Hubert W.	1825 Michigan Ave., Detroit, Mich.....	1,000
8SR	Locke, Benjamin C.	1311 Gallia St., Portsmouth, Ohio.....	495
8GU	Loehr, George R.	11444 Euclid Ave., Cleveland, Ohio.....	750
8AAN	Lohrey, Clarence R.	1215 E. Ludlow St., Hamilton, Ohio.....	18
8VF	Loomis, Ralph M.	74 Columbia Ave., Rochester, N. Y.....	12
8JG	Lord, Donald M.	521 Beach Ave., Cambridge Springs, Pa.....	1,000

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
8ML	Lovell, Charles L.	540 Prospect Pl., Cincinnati, Ohio.	550
8PE	Lucas, Clarence E.	119 24th St., Detroit, Mich.	16
8OD	Luedeke, William P., jr.	40 Hodge Ave., Buffalo, N. Y.	18
8ACR	Lugbill, Adrian.	Columbus Grove, Ohio.	250
8ABE	Lund, Daniel B.	165 Breckenridge St., Buffalo, N. Y.	16
8JQ	Lusink, C. Irving.	642 North St., Rochester, N. Y.	18
8PO	Lyons, Henry E.	Ripley, N. Y.	60
8JX	MacCandless, Lyon H.	351 Jefferson St., Rochester, Pa.	440
8BP	Macer, Arthur J.	37 Jefferson St., Westfield, N. Y.	880
8EA	Mack, Clifford J.	49 McGovern Ave., Ashtabula, Ohio.	770
8UZ	Mack, George.	1 Lane Seminary, Cincinnati, Ohio.	72
8AFO	MacKnight, J. Donald.	44 Tremont Ave., Binghamton, N. Y.	15
8AKR	MacLaren, Wallace E.	2979 Hampshire Rd., Cleveland Heights, Ohio.	200
8UN	MacPherson, William D.	549 A St., Lorain, Ohio.	330
8VT	Macrow, Lester E.	34 Laird Ave., Buffalo, N. Y.	20
8JI	Maddock, Lewis D.	183 Winkles St., Elyria, Ohio.	32
8SO	Maggs, H. Carrol.	Girard, Ohio.	312
8PF	Malbin, Samuel.	12 S. Gratiot Ave., Mt. Clemens, Mich.	117
8ABO	Mann, Frank W. and Orville L.	728 Elm Pl., Kalamazoo, Mich.	1,000
8JZ	Manning, Alfred J.	3315 Monroe Ave., Cleveland, Ohio.	990
8MI	Manning, Howard H.	298 Prospect Ave., Meadville, Pa.	330
8PX	Marsh, Harry H., jr.	Park View, W. Va.	440
8RV	Marshall, Frank J.	517 W. Delaware Ave., Toledo, Ohio.	600
8EN	Marshall, George.	2627 Chapline St., Wheeling, W. Va.	440
8UV	Marshall, Ronald A.	Cazenovia, N. Y.	1,000
8QY	Martin, Cecil E.	Depew, N. Y.	24
8EV	Mason, Carl D.	R. F. D. No. 3, Oak Grove, Mich.	18
8AMU	Mather, Joseph S.	2369 Maplewood Ave., Toledo, Ohio.	20
8ABR	Mathes, Mont M.	222 S. 7th St., Martins Ferry, Ohio.	440
8AHA	Matthes, Frank P.	14 8th St., Rochester, N. Y.	30
8AAQ	Matzinger, Hubel.	Frankfort, Mich.	12
8NT	Maue, Leon G.	Y. M. C. A. Bldg., Hazleton, Pa.	330
8MB	Maxon, Harry L.	267 Brinkman St., Buffalo, N. Y.	30
8EM	Mayer, Joseph R.	54 Sellinger St., Rochester, N. Y.	20
8SY	Maynard, Reginald.	920 Grandview St., Scranton, Pa.	200
8AMH	McCaig, William J.	1135 Abbott Rd., Buffalo, N. Y.	20
8WH	McCullough, C. Hax.	5801 Stanton Ave., Pittsburgh, Pa.	500
8AED	McCutcheon, William A.	103 Dow St., Falconer, N. Y.	700
8UJ	McDade, Henry J.	153 Arkansas St., Buffalo, N. Y.	18
8CZ	McDaniel, Donald G.	17 Colorado St., Ashtabula, Ohio.	385
8BS	McDonell, Donald.	Alexandria Bay, N. Y.	1,000
8QI	McEniry, Clifford U.	875 Michigan Ave., Buffalo, N. Y.	500
8ABI	McGraw, George.	3218 W. 94th St., Cleveland, Ohio.	16
8TD	McMillan, Howard F.	217 W. High St., Mt. Gilead, Ohio.	990
8UW	Meinhold, Albert A.	206 Bissell Ave., Buffalo, N. Y.	18
8BQ	Menges, William E.	6428 Aurelia St., Pittsburgh, Pa.	500
8AKS	Meredith, C. Palmer.	628 S. Fountain St., Springfield, Ohio.	440
8IB	Mielke, Carl E.	3619 Grenada St., Pittsburgh, Pa.	54
8IR	Miller, Arthur P.	14 Beuland Ave., Mt. Clemens, Mich.	275
8AAX	Miller, Carl E., jr.	71 Aurora St., Lancaster, N. Y.	12
8AEN	Miller, Lloyd H.	663 Yale St., Akron, Ohio.	550
8BR	Miner, Simeon J.	2253 E. Jefferson St., Detroit, Mich.	500
8AES	Mittendorf, Earl D.	172 Washington St., Ironton, Ohio.	15
8HP	Moersfelder, Herbert L.	34 Ketchum Pl., Buffalo, N. Y.	18
8EDL	Moler, Charles C.	Bakerton, W. Va.	300
8UG	Moore, Chester.	399 Parkdale Ave., Buffalo, N. Y.	330
8AFN	Moore, Harold S.	18 Locust St., Norwich, N. Y.	36
8WA	Morgenstern, Ronald.	26 Rebecca St., Tiffin, Ohio.	20

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
8AEY	Morrow, Floyd D.....	184 State St., Fairmont, W. Va.....	<i>Watts.</i> 500
8AAL	Moyer, Gilbert G.....	1603 Lincoln Ave., Lakewood, Ohio.....	250
8AS	Muhlbeier, Charles W.....	State Hospital, Rochester, N. Y.....	24
8ST	Muhlheizer, Louis.....	530 Fernando St., Pittsburgh, Pa.....	1,000
8IS	Munch, Ernest A.....	105 Excelsior St., Pittsburgh, Pa.....	30
8VV	Munger, George R.....	77 Newton St., Fredonia, N. Y.....	500
8AIR	Munro, Glenn A.....	25 Calvert Ave., Detroit, Mich.....	250
8EB	Munsell, Robert S.....	191 Center St., Ashtabula, Ohio.....	260
8AFG	Murphy, William Y.....	3425 Osage Ave., Cincinnati, Ohio.....	250
8AIE	Muryne, Leo F. J.....	633 W. North St., Kalamazoo, Mich.....	30
8HD	Myers, Homer B.....	1310 Huron Rd., Cleveland, Ohio.....	20
8CT	Myers, Raymond W.....	166 E. Perry St., Tiffin, Ohio.....	300
8ABD	Myers, Walter L.....	1512 W. Market St., Steubenville, Ohio.....	24
8ALG	Neal, Russell.....	216 Etna St., Ironton, Ohio.....	36
8TP	Nealon, William A.....	1604 St. Clair St., Cleveland, Ohio.....	12
8PB	Nelson, Frank A.....	8217 Bellevue Ave., Cleveland, Ohio.....	250
8WM	Nesbitt, Arthur.....	1312 W. 2d St., Lorain, Ohio.....	24
8MP	Neupert, Robert E.....	500 Chartiers Ave., McKees Rocks, Pa.....	550
8ID	Norris, George H.....	77 Melbourne Ave., Detroit, Mich.....	960
8BL	O'Bryan, James W.....	Ranson, W. Va.....	275
8BT	Ogle, Harry B.....	2636 East Blvd., Cleveland, Ohio.....	440
8VQ	O'Reilly, J. Bernard.....	101 Sawyer Ave., Depew, N. Y.....	44
8DF	Orrell, Robert W.....	87 Frederick Ave., Detroit, Mich.....	500
8LO	Ottelin, Conrad.....	3048 Mabel Ave., Cleveland, Ohio.....	20
8SJ	Ottney, James N.....	R. F. D. No. 4, Gilsonburg, Ohio.....	22
8IH	Overbeck, Erwin C.....	706 W. Liberty St., Ann Arbor, Mich.....	20
8AGX	Paasch, Harold.....	215 W. Front St., Erie, Pa.....	.....
8AAK	Pardridge, Clarence R.....	521 Nimons St., Saginaw, Mich.....	1,000
8AJA	Parmington, Walter O.....	1151 E. Main St., Rochester, N. Y.....	15
8AIG	Parry, Kenneth E.....	1226 Gillette St., Port Huron, Mich.....	330
8AMS	Patchin, Ivan C.....	Middleford, Ohio.....	500
8OI	Patterson, Grant, jr.....	35 E. State St., Gloversville, N. Y.....	500
8CY	Payne, Arthur F.....	596 Bates St., Birmingham, Mich.....	990
8PV	Pearson, Harry.....	4 W. North Ave., Pittsburgh, Pa.....	36
8ADJ	Pease, Harold C.....	1114 9th St., Lorain, Ohio.....	39
8GX	Pentland, Henry B.....	2053 E. 105th St., Cleveland, Ohio.....	495
8AEF	Perry, Ransom, jr.....	Lisle, N. Y.....	14
8SG	Pesek, Myron R.....	3288 Fulton Rd., Cleveland, Ohio.....	1,000
8HT	Petz, Joseph.....	10 Lowell St., Rochester, N. Y.....	32
8LW	Philipp, Lawrence A.....	Concord, Mich.....	1,000
8DJ	Phillips, Glenn E.....	551 McKinstry Ave., Detroit, Mich.....	100
8HX	Phillips, Stanley.....	Clark's Summit, Pa.....	18
8EC	Phillips, Wendell G.....	2322 E. 85th St., Cleveland, Ohio.....	24
8CX	Phippeny, Forrest I.....	R. F. D. No. 4, Battle Creek, Mich.....	1,000
8ADZ	Pitzer, Wilbur E.....	Blanchester, Ohio.....	600
8JF	Plekenpol, Ernest.....	7404 W. Madison Ave., Cleveland, Ohio.....	275
8AGP	Popky, Charles J.....	212 E. Market St., Wilkesbarre, Pa.....	500
8DX	Porter, Harry T.....	714 Main St., Conneaut, Ohio.....	1,000
8QW	Potts, Charles G.....	726 W. Norwegian St., Pottsville, Pa.....	250
8HQ	Poux, Noel J.....	432 Pine St., Meadville, Pa.....	440
8QP	Powell, Ralph C.....	5236 Westminster Pl., Pittsburgh, Pa.....	42
8WQ	Poyzell, Robert E.....	839 E. Ridgeway Ave., Cincinnati, Ohio.....	275
8ADS	Price, Leo A.....	685 Richland Court, Akron, Ohio.....	5
8AKP	Proper, Jesse B.....	823 Elizabeth St., Flint, Mich.....	550
8AJS	Raichle, Joe L.....	400 Porter Ave., Buffalo, N. Y.....	18
8IN	Ranger, Arthur.....	209 Belvedere St., Charlevoix, Mich.....	52
8ADA	Rann, Maurice B.....	Morrice, Mich.....	550
8JL	Raring, William.....	20 Dinsmore Ave., Crafton, Pa.....	440
8AFW	Reardon, Joseph.....	582 Dewey Ave., Rochester, N. Y.....	30
8DC	Reb, Frank.....	1635 Gratiot Ave., Detroit, Mich.....	1,000

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
8ALS	Reed, Arthur J.....	2633 Norwood Ave., Pittsburgh, Pa.....	450
8AHO	Reidenbach, Lester A...	510 Sheridan Ave., Pittsburgh, Pa.....	24
8AAD	Remington, Otto.....	R. F. D. No. 1, Bloomingdale, Mich.....	18
8FQ	Remorino, L., jr.....	97 Washington St., Gloversville, N. Y.....	220
8OP	Reynolds, Charles L.....	25 Sturges St., Binghamton, N. Y.....	36
8AEL	Reynolds, Marion B.....	353 Birr St., Rochester, N. Y.....	32
8LD	Rice, Homer D.....	150 Livingston St., Buffalo, N. Y.....	18
8CI	Richards, Theodore D. and George B.	934 W. North Ave., Pittsburgh, Pa.....	380
8IK	Richardson, Norton.....	70 Davenport St., Detroit, Mich.....	18
8TW	Richey, Joseph L.....	241 E. Center St., Shenandoah, Pa.....	18
8AGJ	Ricksecker, Russell E.....	Lowellville, Ohio.....	14
8VD	Riehle, J. F.....	1642 Cedar Ave., Cincinnati, Ohio.....	1,000
8AEU	Rippl, Lewis M.....	1602 2d St. NE., Canton, Ohio.....	1,000
8MS	Ritchey, Ole B.....	Lake City, Mich.....	12
8RF	Ritchie, Carl L.....	305½ Minton St., Pittsburgh, Pa.....	36
8NQ	Robbins, Melvin G.....	219 Reynolds St., Kingston, Pa.....	1,000
8EB	Roberts, Haydn P.....	11215 Clifton Blvd., Cleveland, Ohio.....	250
8MF	Robie, Milo H.....	7 Lake Ave., Williamson, N. Y.....	250
8HA	Roblee, Judson.....	59 Idlewood Ave., Cleveland, Ohio.....	250
8BN	Rockwell, Donald B.....	17 Walnut St., Wellsboro, Pa.....	32
8WX	Rodd, Herbert C.....	2047 W. 101st St., Cleveland, Ohio.....	480
8DQ	Rocner, Hubert J.....	115 Floyd St., Toledo, Ohio.....	30
8DT	Rogers, Grant.....	2065 McKinley Ave., Lakewood, Ohio.....	1,000
8LY	Rose, Herman.....	77 Johnson St., Buffalo, N. Y.....	18
8AJN	Rosenthal, Sydney.....	124 E. Tupper St., Buffalo, N. Y.....	15
8ADC	Roy, Percy W.....	295 Maple St., Buffalo, N. Y.....	24
8BM	Ruhl, Mark.....	160 Martin Ave., Columbus, Ohio.....	495
8AL	Russell, James L.....	2125 E. 79th St., Cleveland, Ohio.....	16
8AIP	Salter, Albion E.....	763 Park Ave., Rochester, N. Y.....	12
8AII	Sanborn, Irwin T.....	332 14th Ave., Detroit, Mich.....	18
8LF	Saunders, Ezra L.....	141 4th Ave., Gallipolis, Ohio.....	750
8AKZ	Sayles, Thomas S.....	1420 14th Ave., Detroit, Mich.....	440
8AFI	Scales, Herbert N.....	320 East Ave., Rochester, N. Y.....	24
8PO	Schaaf, John M.....	300 Warren St., Bucyrus, Ohio.....	1,000
8JH	Schaefer, George A.....	96 Martin St., Rochester, N. Y.....	20
8AGI	Schafer, Charles.....	29 Grant St., Auburn, N. Y.....	36
8AMD	Schaible, Raymond.....	867 Pennsylvania Ave., Detroit, Mich.....	18
8HG	Schardt, Carl M.....	12813 Marston Ave., Cleveland, Ohio.....	30
8OK	Scheib, Joseph F.....	6243 Station St., Pittsburgh, Pa.....	250
8FW	Schlegel, Ralph C.....	Crafton, Pa.....	440
8AFA	Schlesinger, Louis.....	1842 Centre Ave., Pittsburgh, Pa.....	166
8RW	Schmidle, Claude.....	Ebenezer, N. Y.....	250
8SB	Schmidt, Norman F.....	5600 Forbes St., Pittsburgh, Pa.....	250
8UU	Schmidtz, George.....	750 Ross Ave., Hamilton, Ohio.....	550
8WR	Schmitt, William R.....	710 W. 2d St., Erie, Pa.....	12
8AJI	Schober, William.....	182 Van Dyke Ave., Detroit, Mich.....	500
8AR	Schorn, Valentine A.....	338 Antietam St., Detroit, Mich.....	72
8ADF	Schrier, Henry.....	1127 S. Park St., Kalamazoo, Mich.....	20
8QU	Schunck, Robert F.....	407 W. Anglaize St., Wapakoneta, Ohio.....	20
8LL	Schwancamp, Raymond.....	207 Lemon St., Buffalo, N. Y.....	30
8BY	Schwindt, Herman J.....	3517 Bevis Ave., Cincinnati, Ohio.....	60
8LE	Scott, Hoyt S.....	North Fairfield, Ohio.....	36
8EP	Scovill, Edward H.....	10528 Park Lane, Cleveland, Ohio.....	750
8AGR	Scupholm, Fred J.....	939 Court St., Port Huron, Mich.....	495
8EE	Selden, James M., jr.....	42 Creighton Ave., Crafton, Pa.....	1,000
8HF	Shaney, Aubrey A.....	5713 Curtiss Ave., Cleveland, Ohio.....	220
8LZ	Sharbaugh, Wilbur.....	2109 Eoff St., Wheeling, W. Va.....	550
8PQ	Shaw, Eurcile L.....	205½ E. Anglaize St., Wapakoneta, Ohio.....	100

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Watts.</i>
8AEP	Shedd, Arthur R.....	302 Main St., Butler, Pa.	12
8AHI	Sheldon, Carew.....	819 Bird Ave., Buffalo, N. Y.	38
8BJ	Shelley, Clayton B.....	Barker, N. Y.....	40
8JR	Sherrell, Alvan C.....	326 S. Highland Ave., Pittsburgh, Pa.....	750
8AMN	Shiffer, R. A.....	338 S. 4th St., Sunbury, Pa.....	250
8ACI	Shively, Norman J.....	2134 Cameron Ave., Norwood, Ohio.....	1, 000
8AFR	Shurance, Joseph.....	R. F. D. No. 4, Mansfield, Ohio.....	44
8LG	Sibert, Richard E.....	111 E. Benton St., Wapakoneta, Ohio.....	60
8KS	Sidnell, Robert G.....	1268 W. 115th St., Cleveland, Ohio.....	30
8VE	Siedle, William R.....	5637 Rippey St., Pittsburgh, Pa.....	330
8ACN	Siegfried, Rudolf.....	58 Center St., Ashtabula, Ohio.....	225
8CM	Simpson, Joseph N.....	281 Columbia Ave., Rochester, N. Y.....	18
8UX	Sleeman, Walter R.....	205 Sagamore St., Pittsburgh, Pa.....	700
8HIR	Sloyer, Roy E.....	825 N. Church St., Kalamazoo, Mich.....	500
8QT	Sly, Edward E.....	1820 Myrtle St., Erie Pa.....	144
8AJR	Smith, Harold H.....	363 Potomac Ave., Buffalo, N. Y.....	15
8RM	Smith, Harold M.....	Highland Ave., Monticello, N. Y.....	24
8VK	Smith, Johnny.....	121 High St., Elm Grove, W. Va.....	15
8AK	Smith, Russell E.....	521 2d Ave., Tarentum, Pa.....	36
8OE	Smith, Verne E.....	Knox, Pa.....	40
8ADR	Smith, Warren T.....	Oakdale, Pa.....	795
8AIA	Snider, Ellwood H.....	20 Normandy Ave., Rochester, N. Y.....	18
8AEW	Snyder, Carroll M.....	Adams, N. Y.....	100
8FO	Snyder, Norman G.....	7 Central Ave., Ithaca, N. Y.....	36
8FT	Spargo, James A., jr.....	403 N. George St., Rome, N. Y.....	1, 000
8AKX	Spaulding, Claude W.....	32 Robinson Ter., Plattsburg, N. Y.....	100
8LN	Spaulding, Ray F.....	Ripley, N. Y.....	20
8DL	Spearman, Monroe.....	315 National Ave., Detroit, Mich.....	16
8AMK	Spencer, Elmer H.....	1145 Niagara St., Buffalo, N. Y.....	36
8GW	Spencer, J. Edmund.....	65 Center St., Ashtabula, Ohio.....	250
8HK	Spiller, Archibald G.....	211 Strathmore Ave., East Cleveland, Ohio.....	300
8SII	Spotts, Ralph T.....	1633 Lakeview Ave., Cleveland, Ohio.....	770
8ACT	Staab, H. Herman.....	41 N. 4th St., Ironton, Ohio.....	440
8BU	Stableford, Vernon.....	Yale, Mich.....	900
8AKL	Stanley, Clinton B.....	405 Jersey St., Buffalo, N. Y.....	8
8UE	St. Augustine School.....	933 Bank St., Cincinnati, Ohio.....	1, 000
8OZ	Staten, Arthur.....	3008 W. 12th St., Cleveland, Ohio.....	10
8AER	Staud, Cyril J.....	203 Rutgers St., Rochester, N. Y.....	220
8LII	Stauff, Jacob L.....	347 Oakland Ave., Pittsburgh, Pa.....	250
8DY	Stecher, Harold I.....	15 Bedford Ave., Monticello, N. Y.....	40
8BZ	Steele, Maurice.....	769 A St., Lorain, Ohio.....	12
8II	Steim, L. Harold.....	R. F. D. No. 2, Kittanning, Pa.....	50
8ADN	Stein, Robert R.....	Ohio State Armory, Norwalk, Ohio.....	990
8QU	Steinkirchner, Fred B.....	285 Columbia Ave., Rochester, N. Y.....	10
8IZ	Steinman, Dwight H.....	416 Pine St., Lima, Ohio.....	990
8WJ	Stelzer, James G.....	Frankfort, Mich.....	15
8SL	Stenzel, Arthur W.....	125 Geary St., Buffalo, N. Y.....	550
8OL	Stern, Fred W.....	835 Glenwood Ave., Cincinnati, Ohio.....	250
8VW	Stevens, Allen C.....	1821 Humboldt Ave., Cincinnati, Ohio.....	50
8TX	Stevens, Burdett F., jr.....	333 Ellicott St., Buffalo, N. Y.....	21
8VM	Stevens, William H.....	78 Mynderse St., Seneca Falls, N. Y.....	440
8IE	Stevenson, George L.....	Durand, Mich.....	1, 000
8AGA	Stiles, Willis E.....	917 North St., Rochester, N. Y.....	18
8PR	Stiverson, Andrew.....	223 Alpine Ave., Pittsburgh, Pa.....	60
8WL	Stone, Dana C.....	58 Edna Pl., Buffalo, N. Y.....	24
8AAR	Stouffer, Vernon B.....	15109 Clifton Blvd., Lakewood, Ohio.....	340
8AKK	Straith, Floyd E.....	80 Pingree Ave., Detroit, Mich.....	825
8NY	Straub, John O.....	1724 Wightman St., Pittsburgh, Pa.....	250
8ABW	Straw, R. Clyde.....	Venango, Pa.....	24

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
8HW	Strunk, William O.....	107 Lake St., Ithaca, N. Y.....	27
8AMO	Supernaw, Jack S.....	305 Dixon Ave., Charlevoix, Mich.....	500
8IY	Swain, Herbert N.....	405 Franklin Ave., Hamilton, Ohio.....	990
8AMF	Swingle, Forrest W.....	18 Alfred St., Binghamton, N. Y.....	18
8WS	Taylor, J. L., jr.....	Barker, N. Y.....	18
8DH	Temple, Lemuel M.....	2358 Auburn Ave., Cincinnati, Ohio.....	330
8HJ	Terry, James E.....	1877 E. 90th St. NE., Cleveland, Ohio.....	1,000
8CB	Thiessen, H. W. F.....	161 E. McMicken Ave., Cincinnati, Ohio.....	500
8DE	Thomas, William K.....	400 Minton St., Pittsburgh, Pa.....	500
8AMV	Thompson, Charles R.....	815 Wall St., Port Huron, Mich.....	495
8AML	Thurn, Alois H.....	W. Greenlawn Ave., Columbus, Ohio.....	36
8AAC	Tiffany, Wade R.....	62 State St., Susquehanna, Pa.....	550
8ADE	Todd, Conway L.....	62 Berkeley St., Rochester, N. Y.....	660
8FN	Toland, Gerald H.....	R. F. D. No. 3, Geneseo, N. Y.....	100
8VB	Trombley, Clarence E.....	145 Washington Ave., Mt. Clemens, Mich.....	500
8IP	Trotter, Robert J.....	214 Amanda Ave., Mt. Oliver, Pa.....	250
8AMP	Tynes, John P.....	226 Woodward Ave., Buffalo, N. Y.....	100
8RT	Ubersax, Delmar G.....	2248 E. 100th St., Cleveland, Ohio.....	18
8FB	Ulsh, Chester.....	451 Summit St., Marion, Ohio.....	15
8VJ	Umbarger, Harold N.....	239 W. 5th St., Mansfield, Ohio.....	1,000
8IF	Urban, Raymond G.....	Pine Ridge Rd., Buffalo, N. Y.....	660
8SX	Vanderveken, Marix.....	2210 N. Washington Ave., Scranton, Pa.....	750
8ES	Van Hoesen, Claude L.....	206 Frank St., Rochester, N. Y.....	60
8AFK	Vennum, John E.....	R. F. D. No. 1, Chester, W. Va.....	32
8AKN	Von Behren, William P.....	2149 Scottwood St., Toledo, Ohio.....	30
8GI	Wahl, Edward C.....	60 Stewart Ave., Buffalo, N. Y.....	24
8OB	Waldrip, Laurence H.....	352 Breckenridge St., Buffalo, N. Y.....	36
8FD	Walker, Carl.....	1626 Potter Pl., Cincinnati, Ohio.....	12
8TV	Wallace, L. Gordon.....	25 Grover St., Auburn, N. Y.....	30
8CL	Waller, Roy W.....	837 N. 12th St., Cambridge, Ohio.....	1,000
8AGV	Waltz, Roy A.....	1 Ellicott St., Depew, N. Y.....	5
8FX	Wand, Eugene C.....	1105 Elmwood Ave., Buffalo, N. Y.....	250
8AAY	Wannenmacher, Harvey.....	18 Brookfield Pl., Lancaster, N. Y.....	24
8NA	Waterman, Fred W.....	116 Broad St., Elyria, Ohio.....	500
8MU	Watson, Martin L.....	116 Alice St., Keyser, W. Va.....	18
8DD	Watts, Felix J.....	1118 Pearl St., Port Huron, Mich.....	900
8GH	Weaver, Floyd H.....	Richmond, Mich.....	30
8PW	Weaver, Frank M.....	2706 Toledo St., Pittsburgh, Pa.....	1,000
8ADV	Wedthoff, Guy G.....	1720 6th St., Bay City, Mich.....	1,000
8RE	Weeks, Stuart R.....	Richmond, Mich.....	880
8RC	Weil, Norman C.....	231 Riley St., Buffalo, N. Y.....	770
8ABK	Weimer, John.....	271 S. Main St., Mansfield, Ohio.....	125
8NX	Weiser, Elmer P.....	284 Brinkman St., Buffalo, N. Y.....	660
8AEJ	Weiss, Frank J.....	Amherst, Ohio.....	550
8HV	Weller, Alvin.....	1503 Mars Ave., Lakewood, Ohio.....	450
8OR	Weny, Joseph C.....	58 Catherine Court, Allegan, Mich.....	550
8AP	Werner, George.....	42 E. North St., Buffalo, N. Y.....	18
8AEZ	West, M. B.....	511 W. Eureka St., Lima, Ohio.....	800
8JS	West Tech Wireless Club.....	W. 93d St. and Willard Ave., Cleveland, Ohio.....	1,000
8ADQ	West, Walter A.....	617 W. King St., Martinsburg, W. Va.....	24
8JM	Westfall, Earl J.....	292 Ontario St., Buffalo, N. Y.....	27
8RS	Westrick, Leslie.....	500 4th St., St. Clair, Mich.....	24
8ALW	Weyer, Elliott R.....	Washington, Pa.....	24
8DK	Whitmoyer, Ralph E.....	190 Frederick Ave., Detroit, Mich.....	24
8LK	Wieneke, Edward.....	128 Peterboro St., Detroit, Mich.....	24
8TC	Wightman, E. Russell.....	Beach and 3d Sts., Flint, Mich.....	995
8WO	Willey, Edwin M.....	105 Portland Ave., Rochester, N. Y.....	12
8UH	Wiley, Violet A.....	159 Northampton St., Buffalo, N. Y.....	15
8ACU	Willhagen, August G.....	1294 Concord Ave., Detroit, Mich.....	18

148 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
8AMB	Willhagen, Herman.....	1245 Joseph Campau Ave., Detroit, Mich.	18
8IL	Williams, Burton P.....	2321 Perrysville Ave., Pittsburgh, Pa.	500
8EH	Williams, Claude.....	820 Brooks St., Ann Arbor, Mich.....	30
8KE	Williams, Edward R.....	Euclid, Ohio.....	1,000
8AHD	Wilson, Arthur Y.....	838 Ohio Ave., Youngstown, Ohio.....	495
8AMI	Wilson, George S.....	1423 Main St., Buffalo, N. Y.....	18
8AFE	Windham, Elwood A.....	914 Lincoln Ave., Port Huron, Mich.....	100
8UF	Wing, Willis K.....	938 Grand Ave., Toledo, Ohio.....	264
8NE	Winglemire, Maurice.....	Saginaw St., Holly, Mich.....	1,000
8AMG	Witzel, Ray.....	143 Sanford St., Rochester, N. Y.....	13
8AGD	Woehler, Vernon J.....	508 Blackhoof St., Wapakoneta, Ohio.....	500
8AHM	Wolfinger, Ralph W.....	716 S. State St., Marion, Ohio.....	25
8AI	Wonsey, Ray C.....	302 4th St., St. Clair, Mich.....	12
8FP	Wood, Corlan E.....	Allegan, Mich.....	1,000
8SA	Wood, Dewey H.....	634 Grace St., Kalamazoo, Mich.....	20
8LM	Wood, John P.....	Glenwood, N. Y.....	18
8AKO	Woodbury, George F.....	1411 Main St., Buffalo, N. Y.....	18
8SK	Woodcock, William D.....	496 W. Ferry St., Buffalo, N. Y.....	1,000
8AMM	Woodin, Lloyd.....	15 Lakin Ave., Jamestown, N. Y.....	35
8AGO	Woodmancee, Harold W.....	214 Morris Ave., Buffalo, N. Y.....	250
8AAI	Woodruff, Charles H.....	48 Woodruff Ave., Columbus, Ohio.....	330
8SU	Woodworth, Samuel.....	DeWitt, N. Y.....	660
8OA	Worbass, Raymond K.....	7410 Carnegie Ave., Cleveland, Ohio.....	250
8SS	Wurtz, Francis L.....	Boston, N. Y.....	80
8WN	Yerigan, George S.....	632 E. Ludlow St., Hamilton, Ohio.....	18
8ALK	Young, Joel.....	717 W. Gray St., Elmira, N. Y.....	250
8AEK	Young, Lawrence G.....	1102 Moyer St., Pittsburgh, Pa.....	1,000
8WU	Young, L. Clifford.....	722 N. Washington St., Van Wert, Ohio.....	825
8GB	Young Men's Christian Association.	Zara and Virginia Sts., Pittsburgh, Pa.....	270
8GK	Young, Montgomery K.....	19 Darien St., Rochester, N. Y.....	16
8ABN	Young, Oliver H.....	201 Voorhees Ave., Buffalo, N. Y.....	10
8AMJ	Zahn, D. F.....	356 Broadway, Buffalo, N. Y.....	30
8IT	Zelenka, Stanley.....	3546 Carlyle Ave., Cleveland, Ohio.....	20
8CH	Zikovsky, Theodore.....	44 Kingsville Ave., Ashtabula, Ohio.....	330
8VN	Zornow, Harry.....	661 E. 120th St., Cleveland, Ohio.....	660

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
8AA	Anderson, Sidney E.	8AAQ	Matzinger, Hubel.
8AAB	Letherby, Arthur G., jr.	8AAR	Stouffer, Vernon B.
8AAC	Tiffany, Wade R.	8AAS	Dotterweich, Francis X.
8AAD	Remington, Otto.	8AAT	Kinman, Carson S.
8AAE	Helbling, William E.	8AAU	Brownell, Ralph.
8AAF	Jenks, Cyrus C.	8AAV	Kibbe, William H.
8AAG	Dominick, John H.	8AAW	Anderson, Thure C.
8AAH	Ditto, Earl J.	8AAX	Miller, Carl E., jr.
8AAI	Woodruff, Charles H.	8AAZ	Wannenacher, Harvey.
8AAJ	Altenberg, Clarence P.	8AB	Flagg, Lloyd E.
8AAK	Pardridge, Clarence R.	8AB	Barr, Forrest L.
8AAL	Moyer, Gilbert G.	8ABA	Hunter, Lafayette D.
8AAM	Burton, Charles A.	8ABD	Myers, Walter L.
8AAN	Lohrey, Clarence R.	8ABE	Lund, Daniel B.
8AAO	Gritton, Jack.	8ABG	Ackerman, Lee D.
8AAP	Kimmel, Leslie.	8ABI	McGraw, George.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—
Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8ABK	Wimer, John.	8AEL	Reynolds, Marion B.
8ABM	Grosse, Herbert F.	8AEM	Galloway, W. Lyon.
8ABN	Young, Oliver H.	8AEN	Miller, Lloyd H.
8ABO	Mann, Frank W. and Orville L.	8AEO	Doeright, Gilbert A.
8ABR	Mathes, Mont M.	8AFP	Shedd, Arthur R.
8ABS	Laurenz, George D.	8AEQ	Albertson, W. Charles.
8ABT	Dotterwich, Edward, jr.	8AER	Staud, Cyril J.
8ABU	Hopkins, Cecil W.	8AES	Mittendorf, Earl D.
8ABW	Straw, R. Clyde.	8AET	Cole, Kenneth.
8ACA	Hisey, Norval W.	8AEU	Rippl, Lewis M.
8ACD	Faton, Hamilton A.	8AEV	Houck, Homer D.
8ACE	Ahlheim, Norman I.	8AEW	Snyder, Carroll M.
8ACI	Shively, Norman J.	8AEX	Hill, Emin.
8ACK	Blair, Russell M.	8AEY	Morrow, Floyd D.
8ACM	Jacobus, Roger.	8AEZ	West, M. B.
8ACN	Siegfried, Rudolf.	8AFA	Schlesinger, Louis.
8ACO	Ekelberger, Charles.	8AFD	Finley, Chester T.
8ACR	Lugibill, Adrian.	8AFE	Windham, Ellwood A.
8ACS	Evans, Harold T.	8AFG	Murphy, William Y.
8ACT	Staab, H. Herman.	8AFI	Scales, Herbert N.
8ACU	Willhagen, August G.	8AFK	Vennum, John E.
8ACW	Johnstone, Richard S.	8AFM	Bruley, Cyril G.
8AD	Henders, Vernon W.	8AFN	Moore, Harold S.
8ADA	Rann, Maurice B.	8AFO	MacKnight, J. Donald.
8ADB	Bray, Thomas J., jr.	8AFR	Shurance, Joseph.
8ADC	Roy, Percy W.	8AFS	Kovatch, Alexander.
8ADD	Fassett, G. M. Earle.	8AFT	Leighton, Paul A.
8ADF	Todd, Conway L.	8AFU	Beaman, Paul S.
8ADF	Schrier, Henry.	8AFW	Reardon, Joseph.
8ADG	Chandler, Merle C.	8AG	Broome, Donald W.
8ADH	Drda, Alois P.	8AGA	Stiles, Willis E.
8ADI	Conley, S. Dewey.	8AGB	Jacks, Albert L.
8ADJ	Pease, Harold C.	8AGC	Hamiltin, Frank A., jr.
8ADK	Ford, Elliott.	8AGD	Woehler, Vernon J.
8ADL	Moler, Charles C.	8AGE	Hanville, Roy A.
8ADM	Crandall, J. Lee.	8AGF	Howard, Carl G.
8ADN	Stein, Robert R.	8AGG	Berryman, Plimpton S.
8ADO	Kahn, Fred J.	8AGH	Burns, Herman E.
8ADP	Henney, Keith.	8AGI	Schafer, Charles.
8ADQ	West, Walter A.	8AGJ	Ricksecker, Russell E.
8ADR	Smith, Warren T.	8AGK	James, Charles A.
8ADS	Price, Leo A.	8AGL	Bishop, Robert C.
8ADT	Greenwald, Hugo.	8AGM	Derr, Paul L.
8ADU	Hoffman, Donald A.	8AGN	Lindsay, Alexander M., jr.
8ADV	Wedthoff, Guy G.	8AGO	Woodmansee, Harold W.
8ADW	Hume, McKinley.	8AGP	Popky, Charles J.
8ADX	Kellogg, Frederic J.	8AGQ	Learmont, Victor.
8ADY	Anderson, Harry M.	8AGR	Scupholm, Fred J.
8ADZ	Pitzer, Wilbur F.	8AGS	Lathrop, Fred A. L.
8AE	Berndt, William F.	8AGT	Hand, Ledyard M.
8AEA	Cushman, Robert A.	8AGU	Jepson, Mark B.
8AEB	Kepler, Newton.	8AGV	Waltz, Roy A.
8AEC	Gerhard, David H.	8AGW	Carlson, Wendell L.
8AED	McCutcheon, William A.	8AGX	Paasch, Harold.
8AEE	Churchill, Herbert S.	8AGY	Durham, Harold M.
8AEF	Perry, Ransom, jr.	8AGZ	Bohannan, Robert C.
8AEG	Davis, Ellsworth.	8AHA	Matthes, Frank P.
8AEH	Balson, Donald W.	8AHD	Wilson, Arthur Y.
8AEI	Erskine, James.	8AHE	Bruning, Miles F.
8AEJ	Weiss, Frank J.	8AHG	Cook, Paul.
8AEK	Young, Lawrence G.	8AHI	Sheldon, Carew.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8AHK	Couperthwait, George F.	8AKJ	Barnwell, Albert E.
8AHM	Wolfinger, Ralph W.	8AKK	Straith, Floyd E.
8AHN	De Tries, Garold G.	8AKL	Stanley, Clinton B.
8AHO	Reidenbach, Lester A.	8AKM	Lewis, James F.
8AHR	Sloyer, Roy E.	8AKN	Von Behren, William P.
8AHS	Bechtol, George, jr.	8AKO	Woodbury, George F.
8AHT	Coldwey, Fred W., jr.	8AKP	Proper, Jesse B.
8AHU	Buckwalter, Eugene M.	8AKQ	Kachni, Francis J.
8AIW	Kremer, Harold E.	8AKR	MacLaren, Wallace E.
8AI	Wonsey, Ray C.	8AKS	Meredith, C. Palmer.
8AIA	Cady, Fred L.	8AKT	George, Charles C.
8AIB	Heinrich, Raymond.	8AKU	Adams, Miles R.
8AID	Butine, Arthur B.	8AKV	Justus, William F.
8AIE	Murync, Leo F. J.	8AKW	Giesenberg, Carl.
8AIF	Bell, Irving.	8AKX	Spaulding, Claude W.
8AIG	Parry, Kenneth E.	8AKY	Dyke, S. Eugene.
8AIH	Hoehl, Raymond H.	8AKZ	Sayles, Thomas S.
8AII	Sanborn, Irwin T.	8AL	Russell, James.
8AIJ	Huey, Wesley.	8ALA	Snider, Ellwood II.
8AIK	Boyd, Donald M.	8ALD	Lacock, Walter B.
8AIL	Beaumont, William F.	8ALE	Alexander, Lot.
8AIM	Brothers, Loyd C.	8ALG	Neal, Russell.
8AIN	Hughes, Edward H.	8ALI	Dauberman, John R.
8AIO	Lannen, Cecil J.	8ALK	Young, Joel.
8AIP	Salter, Albion E.	8ALM	Hunter, Noble A.
8AIQ	Karl, Rudolph.	8ALN	Addis, Roy R.
8AIR	Munro, Glenn A.	8ALO	Bovee, Charles W.
8AIS	Burdick, George M. C.	8ALR	Davis, Paul E., jr.
8AIT	Carpenter, Sears.	8ALS	Reed, Arthur J.
8AIU	Kays, George W., jr.	8ALT	Howland, Dwight.
8AIV	Kaestle, Albert.	8ALU	Burkhardt, George E.
8AIW	Glover, James W.	8ALW	Weyer, Elliott R.
8AIX	Hilf, Alfred J.	8AM	Hartle, Gilbert G.
8AIY	Boastfield, Thomas W.	8AMA	Champe, Willard A.
8AIZ	Klyne, Arthur B.	8AMB	Willhagen, Herman.
8AJ	Clough, Bert E.	8AMC	Garrette, Milton W.
8AJA	Parmington, Walter O.	8AMD	Schaible, Raymond.
8AJD	Evans, Henry S.	8AME	Dobson, J. Howard.
8AJE	Jax, Clarence.	8AMF	Swingle, Forrest W.
8AJG	Evans, Willard M.	8AMG	Witzel, Ray.
8AJI	Schober, William.	8AMH	McCaig, William J.
8AJK	Carmack, Floyd A.	8AMI	Wilson, George S.
8AJM	Koepke, Elmer A.	8AMJ	Zahm, D. F.
8AJN	Rosenthal, Sydney.	8AMK	Spencer, Elmer H.
8AJO	Amann, J. C.	8AML	Thurn, Alois H.
8AJR	Smith, Harold H.	8AMM	Woodin, Lloyd.
8AJS	Raichle, Joe L.	8AMN	Shiffer, R. A.
8AJT	Hart, Harold F.	8AMO	Supernaw, Jack S.
8AJU	Hammerstrom, Amy M.	8AMP	Tynes, John P.
8AJW	Aland, Joseph T.	8AMQ	Anson, Charles T.
8AK	Smith, Russell E.	8AMR	Ewell, Pearl A.
8AKA	Bender, Raymond C.	8AMS	Patchin, Ivan C.
8AKB	Kinback, Wilbur L.	8AMT	Higgins, Orlo M.
8AKC	Lee, Harold.	8AMU	Mather, Joseph S.
8AKD	Beam, Francis H.	8AMV	Thompson, Charles R.
8AKE	Daly, James J.	8AMW	Kreuzer, Joseph D.
8AKF	Hepner, Earl.	8AMX	Cory, Samuel I.
8AKG	Hassell, Karl E.	8AMY	Kingsbury, Ralph N.
8AKH	Hartwich, Harry.	8AMZ	Hovey, Carlton F.
8AKI	Klinkner, Alfred J.	8AN	Davis, Frank.
		8ANA	Johnston, Dale S.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8AO	Deighan, Edward L.	8CY	Payne, Arthur F.
8AP	Werner, George.	8CZ	McDaniel, Donald G.
8AQ	Ela, Edward C. and William C.	8DA	Jackson, Joseph, jr.
8AR	Schorn, Valentine A.	8DC	Reb, Frank.
8AS	Muhlbeier, Charles W.	8DD	Watts, Felix J.
8AT	France, William.	8DE	Thomas, William K.
8AU	Frost, Harry E.	8DF	Orrell, Robert W.
8AV	Fullwood, William R.	8DH	Temple, Lemuel M.
8AW	Gogel, Adelbert J.	8DI	Gurnee, Floyd L.
8AX	Gentzsch, Leonard H.	8DJ	Phillips, Glenn E.
8AZ	Hansen, Edmund H.	8DK	Whitmoyer, Ralph E.
8BA	Ifiller, Herbert A.	8DL	Spearman, Monroe.
8BB	Howes, Stanley L.	8DN	Knappen, Bert.
8BC	Davis, Charles C.	8DO	Bell, Norman W.
8BD	Dugan, Charles.	8DP	Fritsche, Lewis W.
8BE	Lippert, John P.	8DQ	Roener, Hubert J.
8BF	Jarvis, Roy B.	8DR	Holmes, Charles E.
8BG	Kastenbergl, Paul G.	8DT	Rogers, Grant.
8BH	Kingsbury, Konnoth.	8DU	Downing, Harry E.
8BI	Kroeger, Gustav H.	8DV	Cobb, Rupert G.
8BJ	Shelley, Clayton B.	8DW	Apper, Charles O.
8BK	Lappe, E. Robert.	8DX	Porter, Harry T.
8BL	O'Bryan, James W.	8DY	Stecher, Harold I.
8BM	Ruhl, Mark.	8DZ	Aker, Ellison E.
8BN	Rockwell, Donald B.	8EA	Mack, Clifford J.
8BO	Lyons, Henry E.	8EB	Munsell, Robert S.
8BP	Macer, Arthur T.	8EC	Phillips, Wendell G.
8BQ	Menges, William E.	8ED	Carver, Alfred J.
8BR	Miner, Simeon J.	8EE	Selden, James M., jr.
8BS	McDonell, Donald.	8EF	Dorst, Edward L.
8BT	Ogle, Harry B.	8EG	Gebhard, Louis A.
8BU	Stableford, Vernon.	8EH	Williams, Claude.
8BW	Gruber, William S.	8EI	Gray, Clarence N.
8BY	Schwindt, Herman J.	8EJ	Kolb, Edwin H.
8BZ	Steele, Maurice.	8EK	Kumpf, Elmer H.
8CA	Fidler, Sherwood K.	8EL	Langenbach, Leo.
8CB	Thiessen, H. W. F.	8EM	Mayor, Joseph R.
8CC	Barnett, Walter J.	8EN	Marshall, George.
8CD	Lindhorst, Lester.	8EP	Scovill, Edward H.
8CE	Adler, Jerome.	8EQ	Leighton, Clifford R.
8CF	Danner, Howard M.	8ER	Elias, Louis W.
8CG	Grieb, Edward J.	8ES	Van Hoesen, Claude L.
8CH	Zikovsky, Theodore.	8EU	Kinne, Laurance W.
8CI	Richards, Theodore D. and George B.	8EV	Mason, Carl D.
8CJ	Andrews, William S.	8EW	Current, Warren J.
8CK	Grinnell, Russell R.	8EX	Henlein, Carl L.
8CL	Waller, Roy W.	8EY	Jervis, Thomas E.
8CM	Simpson, Joseph N.	8FA	Fender Clinton H.
8CN	Johnson, Elmer.	8FB	Ulah, Chester.
8CO	Grove City College.	8FC	Holden, Ira S.
8CQ	Brede, Erwin F.	8FD	Walker, Carl.
8CR	Coven, Allen W.	8FE	Finch, Brent S.
8CS	Benzee, Henry J.	8FF	Baker, Raymond S.
8CT	Myers, Raymond W.	8FG	Coleman, John B.
8CU	Forshee, Kenneth.	8FH	Haynes, William.
8CV	Kress, Lester P.	8FI	Burger, Richard W.
8CW	Bucholz, Herbert C.	8FJ	Clausing, Leroy M. E.
8CX	Phippeny, Forrest I.	8FL	Buchanan, Sutton R.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—
Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8FM	Daugherty, Robert J.	8IA	Griffin, John F.
8FN	Toland, Gerald H.	8IB	Mielke, Carl E.
8FO	Snyder, Norman G.	8IC	Hoover, Paul L.
8FP	Wood, Corlan E.	8ID	Norris, George H.
8FQ	Remorino, L., jr.	8IE	Little, John F. H.
8FR	Brownell, Elmer.	8IF	Urban, Raymond G.
8FS	Donohue, Daniel, jr.	8IH	Overbeck, Erwin C.
8FT	Spargo, James A., jr.	8II	Steim, L. Harold.
8FU	Blattner, E. Herman.	8IJ	Diederich, Paul E.
8FV	Backus, Harry F.	8IK	Richardson, Norton.
8FW	Schlegel, Ralph C.	8IL	Williams, Burton P.
8FX	Wand, Eugene C.	8IM	Collins, Benjamin F.
		8IN	Ranger, Arthur.
8GA	Burr, Gordon.	8IO	Garrity, William D.
8GB	Hill Top Y. M. C. A.	8IP	Trotter, Robert J.
8GC	Hoffman, Walter R.	8IQ	Forsberg, William.
8GD	Dutt, Angus.	8IR	Miller, Arthur P.
8GE	Anderson, John M., jr.	8IS	Munch, Ernest A.
8GG	Eucher, Clarence J.	8IT	Zelenka, Stanley.
8GH	Weaver, Floyd H.	8IU	Clark, W. Andrew.
8GI	Wahl, Edward C.	8IV	Brehmer, Harry.
8GJ	Kleinhaus, Arthur.	8IW	King, Joe P.
8GK	Young, Montgomery K.	8IX	Dencer, John.
8GL	Konrad, Henry.	8IY	Swain, Herbert N.
8GN	Henninger, Alan E.	8IZ	Steinman, Dwight H.
8GQ	Horn, Herbert E.		
8GR	Joecken, George I.	8JA	Gunn, Ross.
8GS	Kneale, C. Kewley.	8JB	Bears, George L.
8GT	Hamel, Arthur.	8JC	Bedwin, Earl T.
8GU	Loehr, George R.	8JF	Plekenpol, Ernest.
8GV	Klever, Jackson O.	8JG	Lord, Donald M.
8GW	Spencer, J. Edmund.	8JH	Schaefer, George A.
8GX	Pentland, Henry B.	8JI	Maddock, Lewis D.
8GY	Leonard, Edwin.	8JJ	Henze, Jerome C.
8GZ	Cromey, Leslie D.	8JK	Jackson, Cotesworth M.
		8JL	Raring, William.
8HA	Roblee, Judson.	8JM	Westfall, Earl J.
8HB	Roberts, Hayden P.	8JN	Arthurs, Biddle, jr.
8HC	Johnston, S. Paul.	8JO	Little, Donald G.
8HD	Myers, Homer B.	8JP	Becker, Freeman A.
8HE	Stevenson, George L.	8JQ	Lusink, C. Irving.
8HF	Shaney, Aubrey A.	8JR	Sherrill, Alvan C.
8HG	Schardt, Carl M.	8JS	West Tech Wireless Club.
8HI	Barber, Nelson J.	8JT	Albrecht, Harvey O.
8HJ	Terry, James E.	8JU	Aldridge, George P.
8HK	Spiller, Archibald G.	8JV	Kreighbaum, Cyril H.
8HL	Boyes, Edwin G.	8JW	Anderson, Joseph D.
8HM	Human, Edward J. L.	8JX	MacCandless, Lyon H.
8HN	Fee, Dean.	8JY	Chamberlain, Oscar A.
8HO	Holt, George W.	8JZ	Manning, Alfred J.
8HP	Moershielder, Herbert L.		
8HQ	Poux, Noel J.	8KA	Ankerman, Roy E.
8HR	Foster, Clarence M.	8KB	Core, Eugene D.
8HS	Berry, L. Mack.	8KC	Hetherington, H. Paul.
8HT	Petz, Joseph.	8KD	Benjamin, Carlisle.
8HU	Faroo, Glenn.	8KE	Williams, Edward R.
8HV	Weller, Alvin.	8KF	Broughton, Harry J.
8HW	Strunk, William O.	8KI	Brockway, Earl H.
8HX	Phillips, Stanley.	8KJ	Desjardins, Gregory T.
8HY	Kuehner, Roland.	8KK	Devaney, Richard G.
8HZ	Fraser, John W.	8KL	Dreifus, Fred B.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8KO	Combs, Frayne.	8NQ	Robbins, Melvin G.
8KP	Fuss, Chester G.	8NR	Hare, Paul W.
8KQ	Fisher, Earl U.	8NT	Maue, Leon G.
8KR	Hills, Virgil A.	8NU	Brown, Willard S.
8KS	Sidnell, Robert G.	8NW	Hankin, John H.
8KT	Benzee, Joseph M.	8NX	Weiser, Elmer P.
8KV	Dobbie, John, jr.	8NY	Straub, John O.
8KW	Kohler, Harry W.		
8KX	Cuff, Harold C.	8OA	Worbass, Raymond K.
8KY	Kunnar, William.	8OB	Waldrip, Laurence H.
8KZ	Landgraaf, William J.	8OC	Kuehnle, George J.
		8OD	Luedeke, William P., jr.
8LD	Rice, Homer D.	8OE	Smith, Verne E.
8LE	Scott, Hoyt S.	8OF	Goodwin, Seth A.
8LF	Saunders, Ezra L.	8OG	Brink, Frank J.
8LG	Sibert, Richard E.	8OI	Patterson, Grant, jr.
8LH	Stauf, Jacob L.	8OJ	Furlong, Marcie J.
8LJ	Baxter, Raymond L.	8OK	Scheib, Joseph.
8LK	Wieneke, Edward.	8OL	Stern, Fred W.
8LL	Schwanecamp, Raymond.	8OM	Balsley, James I.
8LM	Wood, John P.	8ON	Ilgengritz, Lester M.
8LN	Spaulding, Ray F.	8OO	Bird, Harold C.
8LO	Ottelin, Conrad.	8OP	Reynolds, Charles L.
8LP	Bly, Ralph.	8OR	Weny, Joseph C.
8LQ	Dunlap, Orrin E., jr.	8OU	Boyer, Harry A.
8LS	Ferris, Warren O.	8OW	Dotterweich, Joseph H.
8LW	Phillipp, Lawrence A.	8OX	Dreux, Alexander J.
8LY	Rose, Herman.	8OZ	Staten, Arthur.
8LZ	Sharbaugh, Wilbur.		
		8PB	Nelson, Frank A.
8MB	Maxon, Harry L.	8PC	Kersting, Ferdinand.
8MC	Holmes, Charles A.	8PD	Krause, Karl A.
8MD	Hall, Eldred R.	8PE	Lucas, Clarence E.
8MF	Robie, Milo H.	8PF	Malbin, Samuel.
8MG	Fish, J. Mulford.	8PH	Chick, John B.
8MH	Bushnell, Clarence E.	8PI	Day, James M., and Butcher, W. Byron.
8MI	Manning, Howard H.	8PJ	Ehrich, William F.
8MK	Finch, William G. H.	8PK	Gamble, Frederic D.
8ML	Lovell, Charles L.	8PM	Higgey, Robert C.
8MM	Benzee, Arthur H., jr.	8PO	Schaaf, John M.
8MN	Knoll, Floyd A.	8PQ	Shaw, Eurcile L.
8MP	Neupert, Robert E.	8PR	Stiveson, Andrew.
8MQ	Dear, Harry D.	8PS	Hart, John R.
8MR	Livinggood, Hubert W.	8PT	Hornung, Romey W.
8MS	Ritchey, Ole B.	8PU	Imbt, Russell.
8MU	Watson, Martin L.	8PV	Pearson, Harry.
8MV	Carson, William H.	8PW	Weaver, Frank M.
8MW	Follet, Louis H., jr.	8PX	Marsh, Harry H., jr.
8MY	Fisher, Harold W.	8PZ	Bishop, Carryl L.
8NA	Waterman, Fred W.	8QB	Haderer, John.
8NB	Frederick, Paul E.	8QD	Leonhardt, Carl.
8NC	Coolidge, James H., 3d.	8QE	Kester, Harold P.
8ND	Grigg, Arthur.	8QF	Klinck, Charles C., jr.
8NE	Winglemire, Maurice.	8QG	Lewis, Walter E.
8NF	House, Elra E.	8QI	McEniry, Clifford U.
8NH	Candler, Mrs. Charles.	8QJ	Bornman, Frederick D.
8NI	Daniels, Worth D.	8QK	Jones, Edwin P.
8NJ	Bartholomew, William F.	8QL	Corey, Harry E.
8NM	Keen, William L.	8QM	Jones, Jesse K.
8NO	Hansen, Torvald.		

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8QO	Kirly, H. Howard.	8TD	McMillan, Howard F.
8QP	Powell, Ralph C.	8TE	Gilmore, Alden J.
8QQ	Kampfe, Lorbert J.	8TF	Cunningham, Fred B.
8QR	Grostick, George E.	8TG	Dehnel, Alfred H.
8QS	Brow, Robert.	8TH	Gallo, Tony.
8QT	Sly, Edward E.	8TJ	Friedman, Martin.
8QU	Schunck, Robert F.	8TK	Jefferys, Paul M.
8QV	Hogan, James E.	8TL	Dowding, Sidney J.
8QW	Potts, Charles G.	8TM	Hoobler, William H.
8QY	Martin, Cecil E.	8TN	FlaHavhan, Harry E., jr.
		8TO	Attwood, Brooke.
8RA	Klager, Oscar C.	8TP	Nealon, William A.
8RC	Weil, Norman C.	8TQ	Donaldson, William E.
8RD	Burr, Roy C.	8TR	Fischer, Carol V.
8RE	Weeks, Stuart R.	8TS	Eppley, Ervin W.
8RF	Ritchie, Carl L.	8TU	Leach, Gardner V.
8RH	Blum, Robert A.	8TV	Wallace, L. Gordon.
8RI	Beeler, Hughes.	8TW	Richey, Joseph L.
8RJ	Irvine, Robert P.	8TX	Stevens, Burdett F., jr.
8RK	Dalrymple, Clarence F.	8TY	Ehrhardt, Roy C.
8RL	Last, George.	8TZ	Beasley, Ira E.
8RM	Smith, Harold M.		
8RN	Altman, Allen.	8UA	Foncanon, H. Knight.
8RO	Gwinner, Frederick 3d.	8UB	Andrews, Cecil J.
8RQ	Ashtabula High School.	8UC	Chadde, Walter F.
8RR	Hull, Earl C.	8UD	Brown, Kenneth W.
8RS	Westrick, Leslie.	8UE	St. Augustine School.
8RT	Ubersax, Delmar G.	8UF	Wing, Willis K.
8RV	Marshall, Frank J.	8UG	Moore, Chester.
8RW	Schmidle, Claude.	8UH	Wiley, Violet A.
8RX	Barringer, Russ.	8UI	Hylie, Howard D.
8RY	Goetz, Carl P.	8UJ	McDade, Henry J.
		8UK	Egan, James.
8SA	Wood, Dewey H.	8UL	Campbell, Henry W.
8SB	Schmidt, Norman F.	8UM	Flehr, Paul D.
8SC	Bidwell, Paul.	8UN	MacPherson, William D.
8SE	Falck, Norman B.	8UO	Jones, D. Walter.
8SF	Fowler, Robert J.	8UP	Lathrope, Lyman S.
8SG	Pesek, Myron R.	8UQ	Steinkirchner, Fred B.
8SH	Spotts, Ralph T.	8UR	Hott, Loewy.
8SI	Beach, Walter R.	8US	Hancock, H. W.
8SJ	Ottney, James N.	8UT	Klein, Harold H.
8SK	Woodcock, William D.	8UU	Schnidtz, George.
8SL	Stenzel, Arthur W.	8UV	Marshall, Ronald A.
8SM	Coleman, H. Burr.	8UW	Meinhold, Albert A.
8SN	Glatzell, Earle D.	8UX	Sleeman, Walter R.
8SO	Maggs, H. Carrol.	8UY	Adams, Lucius O.
8SQ	Clarke, John H.	8UZ	Mack, George.
8SR	Locke, Benjamin C.		
8SS	Wurtz, Francis L.	8VA	Frost, August.
8ST	Muhlheizler, Louis.	8VB	Trombley, Clarence F.
8SU	Woodworth, Samuel.	8VC	Brown, Arthur B.
8SV	Lilley, Ralph H.	8VD	Riehle, J. F.
8SW	Eames, William F.	8VE	Sidele, William R.
8SX	Vanderveken, Marix.	8VF	Loomis, Ralph M.
8SY	Maynard, Reginald.	8VG	Chartener, Ralph R.
8SZ	Hay, Russell.	8VH	Googin, Nicholas L., jr.
		8VI	Case, Harlow.
8TA	Blum, Louis.	8VJ	Umbarger, Harold N.
8TB	Handler, Eugene H.	8VK	Smith, Johnny.
8TC	Wightman, E. Russell.	8VL	Edick, Leonard J.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8VM	Stevens, William H.	8WG	Densmore, U. Harry.
8VN	Zornow, Harry.	8WH	McCullough, C. Hax.
8VO	Barnard, Earl E.	8WI	Gillmore, Willard F.
8VP	Ball, Alfred.	8WJ	Stelzer, James G.
8VQ	O'Reilly, J. Bernard.	8WK	Campbell, George F.
8VR	Calvert, George C.	8WL	Stone, Dana C.
8VS	Buck, E. Harold.	8WM	Nesbitt, Arthur.
8VT	Macrow, Lester E.	8WN	Yerigan, George S.
8VU	Geiser, Roger A.	8WO	Willey, Edwin M.
8VV	Munger, George R.	8WP	Hauenstein, Waldo E.
8VW	Stevens, Allen C.	8WQ	Poysell, Robert E.
8VX	Fraser, William T.	8WR	Hultgren, Fred F., and Schmidt, William R.
8VY	Caplan, Zola.	8WS	Taylor, J. L., jr.
8VZ	Davis, Harry R.	8WT	Harber, Elwood F.
8WA	Morgenstern, Ronald.	8WU	Young, L. Clifford.
8WB	Herrington, Fred.	8WV	Hawxhurst, Wilbur F.
8WC	Crabbe, J. E.	8WW	Barnes, Orton S.
8WD	Conlon, Bernard.	8WX	Rodd, Herbert C.
8WE	Hickler, Walter R.	8WY	Coleman, Aaron B.
8WF	Goertemoeller, Bernard H.	8WZ	Kennedy, Duane E.

NINTH DISTRICT.

[Headquarters: Customhouse, Chicago, Ill. The ninth district comprises the States of Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula), Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa, Nebraska, South Dakota, and North Dakota.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
9CK	Abel, Wilson L.	Clear Lake, Iowa	18
9NH	Abercrombie, Julius B.	2424 Duncan St., St. Joseph, Mo.	100
9FN	Abraham, Walter H.	1204½ W. 5th St., Davenport, Iowa	16
9EX	Adolfson, George S.	5229 Colorado St., Duluth, Minn.	770
9QD	Albach, Henry, jr.	618 W. 4th St., Lawrence, Kans.	5
9RI	Albrecht, Harry L.	837 N. Trumbull Ave., Chicago, Ill.	1,000
9FC	Anders, Harry R.	4811 West End Ave., Chicago, Ill.	495
9TW	Anderson, Axel V.	212 N. Florida St., Laurium, Mich.	45
9KM	Anderson, Oscar L.	11815 State St., Chicago, Ill.	30
9SN	Anderson, Virgil	3614 Rebecca St., St. Louis, Mo.	15
9MB	Andreas, Gerald T.	Bayfield, Wis.	550
9AK	Andresen, E. Norman	3512 Medill Ave., Chicago, Ill.	60
9GW	Arnold, Ercil	Chapman, Kans.	250
9QL	Baldwin, John G.	Hope, N. Dak.	1,000
9DW	Barrett, Arthur O.	208 4th St., Mendota, Ill.	600
9OJ	Barry, Daniel	310 W. Grand Ave., Springfield, Ill.	
9DZ	Barton, Harold	2336 N. Alabama St., Indianapolis, Ind.	25
9IL	Batcher, Ralph	Toledo, Iowa	1,000
9HR	Baulch, Ernest L.	509 Eddings St., Fulton, Ky.	12
9JE	Baumer, Harry W.	5036 Kenmore Ave., Chicago, Ill.	825
9CO	Bautz, Russell	395 6th Ave., Milwaukee, Wis.	50
9DJ	Beasley, William A.	1517 Western Ave., Topeka, Kans.	275
9LJ	Becker, Clarence	425 S. College St., Springfield, Ill.	330
9QT	Beighley, Emmet R.	107 N. 13th St., Fargo, N. Dak.	330
9RF	Beil, Richard M.	1306 Winona Ave., Chicago, Ill.	170
9PG	Bergherm, Worth D.	1202 N. 1st Ave., Fargo, N. Dak.	1,000
9HE	Bergvall, Royal C. and Wesley E.	Stephenson, Wis.	20

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
9JY	Black, Max I.	830 W. 3rd Ave., Mitchell, S. Dak.	20
9GB	Boess, Murray R.	Lake Bluff, Ill.	24
9HH	Bohac, Leonard.	402 W. 1st Ave., Cedar Rapids, Iowa.	880
9RC	Bohnstengel, George.	Thornton, Ill.	990
9JO	Bolon, John C., jr.	Petersburg, Ky.	24
9PF	Bolin, Ray E.	5505 Bartmer Ave., St. Louis, Mo.	500
9SZ	Bonney, Harold II.	Louisville, Ill.	36
9TM	Bonson, George W.	287 East St., Dubuque, Iowa.	1,000
9OP	Born, John F. F.	6649 Champlain Ave., Chicago, Ill.	30
9NJ	Brabender, Carl W.	907 Linwood Ave., Evansville, Ind.	36
9SA	Brennan, Joseph D.	501 Alpine St., Dubuque, Iowa.	30
9LD	Brinkerhoff, George II., jr.	6800 Lowe Ave., Chicago, Ill.	48
9SD	Broughton, William G.	213 S. Court St., Crown Point, Ind.	36
9BU	Brown, Clarence L.	1022 E. Tabor St., Indianapolis, Ind.	500
9IW	Brown, Ellsworth.	3425 Holmes St., Kansas City, Mo.	220
9CR	Buehner, Howard.	381 19th Ave., Milwaukee, Wis.	18
9HI	Burchnell, George M.	Monroeville, Ind.	500
9SH	Burdick, Roy E.	44 Lake Geneva Rd., Salem, Wis.	30
9KN	Burg, Harold E.	865 S. Maffit St., Decatur, Ill.	1,000
9ED	Burgess, Charles M.	Geneva, Ill.	
9KU	Burgy, Charles A., jr.	693 Willow St., Winnetka, Ill.	220
9RW	Burhop, Harold.	1945 N. 7th St., Sheboygan, Wis.	56
9QH	Busey, James D.	Havana, N. Dak.	75
9NW	Caldwell, Kenneth R.	623 W. William St., Decatur, Ill.	500
9IQ	Call, George R.	1529 Pearl St., Sioux City, Iowa.	248
9QB	Cannon, Charles B.	501 W. 6th St., Superior, Wis.	770
9KD	Carll, W. Curtis.	918 S. Noble St., Indianapolis, Ind.	250
9QW	Carnes, Theodore L.	932 N. Illinois St., Indianapolis, Ind.	45
9LR	Caroll, William II.	6334 McPherson Ave., St. Louis, Mo.	1,000
9PC	Carter, George W.	Fort Wayne, Ind.	600
9LC	Casey, John G.	4945 Forrestville Ave., Chicago, Ill.	291
9PD	Cassaday, Cecil E.	3038 Brooklyn St., Kansas City, Mo.	972
9NT	Chapman, Richard C.	1332 K Street, Lincoln, Nebr.	500
9FI	Chaudet, William J.	4176-A Delmar Blvd., St. Louis, Mo.	500
9JN	Chubb, Jake H.	1205 9th St., Burlington, Iowa.	27
9OB	Church, Archibald, jr.	4854 Dorchester Ave., Chicago, Ill.	250
9DP	Clark, Bayard II.	205 Augusta Ave., De Kalb, Ill.	1,000
9PJ	Clark, Robert J.	Humboldt, Iowa.	1,000
9GU	Clayton, Homer E.	680 Arch St., Indianapolis, Ind.	1,000
9NA	Cleaveland, Leroy A.	374 Farwell Ave., Milwaukee, Wis.	75
9BK	Clemons, G. H.	Storm Lake, Iowa.	85
9CN	Cobb, Merle.	Elkhorn, Wis.	27
9CF	Coffman, Scott.	61 N. Gale St., Indianapolis, Ind.	990
9IF	Cole, Jirah D., jr.	810 Vernon Ave., Glencoe, Ill.	504
9AN	Cole, Jirah D., jr.	Community House, Lincoln St., Winnetka, Ill.	440
9AF	Cole, Walten E., jr.	1004 15th St., Sioux City, Iowa.	18
9GV	Coles, James A.	3637 12th Ave., Minneapolis, Minn.	63
9KP	Conner, Claud H.	500 Washington Ave., Cairo, Ill.	220
9ET	Conzelman, J. Wilson.	5207 Ridge Ave., St. Louis, Mo.	770
9SC	Cooper, Charles H.	2126 Elliott St., Indianapolis, Ind.	1,000
9PT	Corey, Flournoy.	1051 20th St., Des Moines, Iowa.	440
9OQ	Coultas, Charles.	950 Beach Ave., St. Louis, Mo.	250
9BI	Craig, Richard A.	1807 N. Meridian St., Indianapolis, Ind.	220
9HL	Crawford, Robert N., jr.	3829 Vincennes Ave., Chicago, Ill.	770
9TE	Cronk, Seymour H.	Stafford, Kans.	550
9AE	Crouch, Haley C.	240 W. 10th St., Wichita, Kans.	220
9HN	Crowdus, James A.	5047 Washington Ave., St. Louis, Mo.	440

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
9EQ	Cruikshank, Charles A., jr.	1000 Bird St., Hannibal, Mo.	Watts. 660
9RX	Cummings, Murney	619 Lake Ave., Racine, Wis.	440
9GN	Curtis, Charles D.	Pembina, N. Dak.	1,000
9TO	Cyr, Darrell, J.	109 W. 2d St., Sioux City, Iowa.	27
9FH	Dahm, Henry L.	5932 Plymouth Ave., St. Louis, Mo.	950
9SF	Daugherty, Hugh D.	2335 Bellfontaine St., Indianapolis, Ind.	15
9AZ	Davidson, James G.	6636 Normal Blvd., Chicago, Ill.	30
9HM	Davis, Donald W.	21 E. Caramillo Ave., Colorado Springs, Colo.	550
9EZ	Davis, Richard M.	1065 Yuma St., Denver, Colo.	40
9QG	Davis, T. Harley	2738 Crown Point Ave., Omaha, Nebr.	220
9SO	Day, Harold E.	209 Gray St., Indianapolis, Ind.	50
9NN	Deal, Harmon B.	6 S. Fountain St., Cape Girardeau, Mo.	1,000
9EG	Dean, Carl W.	3115 N. Capitol Ave., Indianapolis, Ind.	460
9RH	Debus, George W.	1910 Sunnyside Ave., Chicago, Ill.	550
9OW	Del-Vecchio, Earl	3810 Alta Vista Ter., Chicago, Ill.	440
9GP	Denny, L. Erle	Sorento, Ill.	24
9UD	Diehl, Grant, jr.	699 27th St., Milwaukee, Wis.	750
9MS	Dier, Stephen	1305 Court St., Le Mars, Iowa.	1,000
9JU	Dieterich, Frank E.	3340 College Ave., Kansas City, Mo.	220
9OA	Dilley, Joseph	1067 Ainslee St., Chicago, Ill.	6
9FE	Dunklan, George	2634 Cottage Grove Ave., Chicago, Ill.	250
9BC	Dunlap, Carroll M.	Manchester, Iowa.	150
9BT	Duquette, Herbert E.	500 Glenn Ave., Council Bluffs, Iowa.	250
9DF	Dutton, Laurence E.	3540 W. 60th Pl., Chicago, Ill.	25
9JJ	Dyson, L. E.	1024 Park Ave., Covington, Ky.	48
9CW	Egloff, Martin F.	2729 W. Barry Ave., Chicago, Ill.	400
9LV	Ehling, Fritz	1438 E. 11th St., Indianapolis, Ind.	550
9II	Eichenberger, Walter	510 N. 5th St., Hannibal, Mo.	300
9ML	Eick, Ferdinand	1818 19th St., Superior, Wis.	32
9TD	Eisele, Edward J.	1324 Rutledge St., Madison, Wis.	560
9OR	Eling, Raymond W.	6637 Greenwood Ave., Chicago, Ill.	18
9DU	Elliott, Byron K.	1733 N. Meridian St., Indianapolis, Ind.	220
9JB	Erikson, Eben W.	1108 Elm St., Winnetka, Ill.	220
9HY	Erwood, John, jr.	4880 Kenmore Ave., Chicago, Ill.	550
9MZ	Evans, Walter C.	6632 Kimbark Ave., Chicago, Ill.	990
9NQ	Faber, Peter, jr.	302 S. Park St., Madison, Wis.	1,000
9DC	Fahrney, Clarence II.	Polo, Ill.	15
9SV	Fay, Arthur S.	4437 Beacon St., Chicago, Ill.	550
9RO	Fellows, Charles	59 E. 10th St., Covington, Ky.	18
9UE	Fels, Thomas W.	2105 John St., Fort Wayne, Ind.	36
9PI	Finchout, Fred	1310 E. New York St., Indianapolis, Ind.	75
9JQ	Finlay, William J.	525 Oakwood Ave., Webster Groves, Mo.	770
9OM	Finley, Cyrus P.	339 3d Ave. W., Cedar Rapids, Iowa.	500
9IS	Fish, John R.	816 E. 11th St., Indianapolis, Ind.	275
9EN	Fisher, Ralph	918 S. 7th St., Fargo, N. Dak.	330
9LS	Fisk, Kenneth	1206 Olive St., Indianapolis, Ind.	16
9AU	Flanders, Douglas A.	1108 N. Blue Ave., Independence, Mo.	715
9BN	Flynn, John H., jr.	228 E. 5th St., Newport, Ky.	1,000
9HX	Foss, H. Marcus	Hatton, N. Dak.	50
9PK	Foster, Edwin J.	925 Winchester St., Milwaukee, Wis.	750
9DX	Fostrom, Harry	716 N. Alabama St., Indianapolis, Ind.	27
9AX	Fowler, Harry A.	9 E. Armour Blvd., Kansas City, Mo.	990
9GX	Fox, John E.	56 16th St., Newport, Ky.	220
9TF	Fox, Laurence C.	231 Lincoln Ave., Crookston, Minn.	605
9EK	French, Newell E.	1722 Maple St., Racine, Wis.	250
9DL	Friend, Earle M.	4815 Vincennes Ave., Chicago, Ill.	250
9TG	Fruit, Lester	743 Howard Ave., South Bend, Ind.	550
9BO	Fry, Claud	833 W. 12th St., Des Moines, Iowa.	50

158 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
9QX	Galpin, John K.	2132 Broadway, Indianapolis, Ind.	500
9SW	Gammon, Frank E.	811 18th St., Ashland, Ky.	990
9NV	Gates, Arthur R.	613 Arsenal St., St. Louis, Mo.	247
9IN	Gates, Preston L.	8 7th St., Moorhead, Minn.	988
9MK	Giltner, L. Wallace.	411 S. Holmes Ave., Indianapolis, Ind. . .	275
9NM	Glavin, Roland E.	748 Lawndale Ave., South Bend, Ind. . .	24
9UF	Goerisch, William.	3919 Compton Ave., St. Louis, Mo.	12
9KB	Goodman, Mark.	110 E. Prairie St., Jerseyville, Ill.	550
9AS	Goodnow, Frank E.	310 Van Buren St., Joliet, Ill.	990
9KG	Gore, Harold.	6604 Lewgard Ave., Chicago, Ill.	495
9PS	Gosha, Donald.	Blooming Prairie, Minn.	40
9RP	Graf, Rudolph.	1061 Mulberry St., Rockford, Ill.	375
9MQ	Graham, Albert I.	3033 Park Ave., Kansas City, Mo.	972
9ES	Graham, Walter N., jr. .	4842 Maffitt Ave, St. Louis, Mo.	110
9FT	Graves, G. G.	Woodstock, Ill.	60
9IC	Greenleaf, Sydine A.	708 Clay St., Woodstock, Ill.	440
9GT	Grecian, Everett.	Hill City, Kans.	1,000
9PQ	Greenleaf, Burton B.	34 Walnut St., Savanna, Ill.	10
9TQ	Griggs, Fred W.	441 Tacoma Ave., Indianapolis, Ind.	250
9AB	Groskopf, William L.	4816 W. Berteau Ave., Chicago, Ill.	36
9TU	Gruda, Edgar.	329 25th Ave., Milwaukee, Wis.	150
9PX	Gustafson, C. Hjalmar. .	630 Wallis Ave., Rockford, Ill.	45
9RM	Guthrie, Edwin P.	2352 Bellefontaine St., Indianapolis, Ind. .	90
9GG	Hagen, Edwin N.	2330 Banks Ave., Superior, Wis.	500
9MY	Haines, Thorvald L.	842 Main St., Racine, Wis.	440
9AV	Hamel, Walter H.	1006 S. 14th St., Lafayette, Ind.	30
9PO	Hanes, Fred B.	Hamilton, Ind.	60
9TJ	Hancock, George T.	R. F. D. No. 1, Fairfield, Nebr.	50
9CE	Hansen, Leland H.	1123 Herrick Ave., Racine, Wis.	230
9GI	Hanson, Frederick, R. A. .	477 31st Ave., Milwaukee, Wis.	50
9BX	Hantzsch, Ralph E.	1161 Island Ave., Milwaukee, Wis.	990
9IZ	Harris, Ralph G.	Gilman, Ill.	440
9LK	Harrison, Major P., jr. .	118 E. Pratt St., Indianapolis, Ind.	660
9CJ	Harry, Charles.	Quincy & Douglas Sts., Houghton, Mich. .	900
9KY	Hartwell, Eugene H.	R. F. D. No. 28, Salem, Wis.	60
9HF	Hatch, J. Hadley.	216 Kedzie St., Evanston, Ill.	770
9FL	Hauck, George.	218 Chestnut St., Newport, Ky.	16
9CX	Haynes, Roy.	6939 S. May St., Chicago, Ill.	650
9DV	Hearne, George M.	416 N. Adams St., Carthage, Ill.	1,000
9FR	Heckenkamp, Emile B. .	300 E St., Belleville, Ill.	770
9LI	Heiser, Walter C.	35 E. 33d St., Indianapolis, Ind.	330
9KL	Helms, Elvin E.	Petersburg, Ky.	24
9RV	Henning, William C.	4130 Greenview Ave., Chicago, Ill.	500
9KK	Henricks, George.	1410 Barth Ave., Indianapolis, Ind.	500
9IO	Henry, Albert L.	Bennington, Kansas.	250
9MU	Hess, Merriman.	832 Forest Ave., Wilmette, Ill.	250
9DG	Hilgenberg, Noble C.	1428 Park Ave., Indianapolis, Ind.	250
9KJ	Hill, Frederick A.	428 W. 72d St., Chicago, Ill.	660
9BP	Holcombe, Ray E.	22 Dayton St., Madison, Wis.	480
9OI	Holte, Harold O.	220 S. Broadway, Crookston, Minn.	550
9QJ	Hood, Kuper, jr.	206 Sterrett Ave., Covington, Ky.	1,000
9JG	Hood, Norman R.	1108 Franklin St., Burlington, Iowa.	45
9QS	Hood, Thomas.	1149 N. Meridian St., Indianapolis, Ind. .	36
9BZ	Hoople, Frank C.	3048 Osgood St., Chicago, Ill.	660
9LW	Howard, Clyde M.	Buffalo, Ill.	220
9HZ	Hubbard, Clarence.	610 Western Ave., Chicago, Ill.	24
9MV	Hughes, James C.	418 Taylor St., Topeka, Kansas.	1,000
9FF	Hughes, Walter J.	4100 State St., Chicago, Ill.	25
9MJ	Hussner, Helm C.	968 Drew St., Appleton, Wis.	30
9QA	Huttig, Charles M.	37 Washington Ter., St. Louis, Mo.	550

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Watts.</i>
9GZ	Ihl, G. Sheridan.....	3834 N. 25th St., St. Louis, Mo.....	330
9DA	Irvin, John A.....	Cannelton, Ind.....	18
9SQ	Iverson, Reginald J.....	422 S. 16th Ave., Maywood, Ill.....	660
9NY	Ivy, John S.....	Cape Girardeau, Mo.....	15
9EW	Jackson, Arved C.....	910 N. Girard Ave., Minneapolis, Minn.....	30
9AM	Jackson, William C.....	701 N. Main St., Hannibal, Mo.....	80
9NG	Jansen, Laurence.....	3031 Lexington St., Chicago, Ill.....	330
9DE	Jensen, Arnold N.....	334 High School Ave., Council Bluffs, Iowa.....	500
9TK	Jensen, Louis T.....	1217 Center St., Racine, Wis.....	330
9QR	Jewett, Gerald A.....	2105 High St., Des Moines, Iowa.....	30
9AL	Johnson, Arthur F.....	2706 Mersington Ave., Kansas City, Mo.....	330
9CI	Johnson, August R.....	Houghton, Mich.....	50
9RD	Johnson, D. Vernet.....	5514 Kenmore Ave., Chicago, Ill.....	550
9OL	Johnson, Enoch.....	1319 Franklin St., Le Mars, Iowa.....	1,000
9CG	Johnson, Ralph J.....	628 Marion Ave., Indianapolis, Ind.....	275
9KQ	Jones, Frank S.....	305 La Salle St., Chicago, Ill.....	500
9BS	Jorgenson, Harold.....	941 Herrick Ave., Racine, Wis.....	400
9KO	Joseph, Jarold S.....	465 Park Ave., Council Bluffs, Iowa.....	300
9DR	Juvenal, James B.....	538 Ann Ave., Kansas City, Kans.....	18
9PM	Kaiser, Bernard O.....	892 3d Street., Milwaukee, Wis.....	16
9AI	Kaufmann, Elmer.....	928 Wright St., Milwaukee, Wis.....	18
9BD	Keeler, Fayette W.....	634 W. 4th St., Superior, Wis.....	1,000
9LF	Keenan, Charles J.....	6445 Emerald Ave., Chicago, Ill.....	24
9EH	Kegley, William F.....	2430 Kenwood Ave., Indianapolis, Ind.....	1,000
9OF	Kellenberger, Harry S.....	Riverside, Ill.....	880
9JL	Keller, Stanley L.....	602 W. 25th St., Kearney, Nebr.....	550
9HT	Kelso, Charles A.....	4758 Greer Ave., St. Louis, Mo.....	550
9BY	Kennan, Richard C.....	3170 N. Illinois St., Indianapolis, Ind.....	250
9JK	Keough, Otis E.....	4343 Lindell Blvd., St. Louis, Mo.....	110
9HC	Kerney, Iden M.....	725 6th Ave., Council Bluffs, Iowa.....	275
9AH	Kihlstrom, Harry C.....	6324 Normal Blvd., Chicago, Ill.....	24
9FA	King, Lawrence.....	416 W. Michigan St., New Carlisle, Ind.....	495
9AP	Kingsley, Raymond C.....	1445 W. State St., Rockford, Ill.....	440
9HG	Kistner, Joseph.....	222 E. Southgate St., Newport, Ky.....	48
9AA	Klantz, Clarence.....	3809 Vincennes Ave., Chicago, Ill.....	500
9CM	Klicpera, Mihart F.....	1705 Douglas Ave., Racine, Wis.....	500
9BF	Klingenhagen, George F.....	2650 Fournoy St., Chicago, Ill.....	1,000
9RB	Kluge, Arno A.....	Ravenna, Nebr.....	220
9LU	Knouf, Ralph.....	1344 21st St., Des Moines, Iowa.....	247
9UG	Koenig, William, jr.....	3141 Osage St., St. Louis, Mo.....	12
9OD	Kohl, William.....	606 St. Clair Ave., Sheboygan, Wis.....	165
9SG	Komm, Paul M.....	1116 Wolfram St., Chicago, Ill.....	100
9PA	Korthals, Albert.....	1607 N. 13th St., Sheboygan, Wis.....	220
9HO	Kossov, Erwin.....	760 32d St., Milwaukee, Wis.....	12
9KE	Kranzfelder, Leonard J.....	Bayfield, Wis.....	1,000
9TC	Krause, Charles II.....	4419 Forest Park Blvd., St. Louis, Mo.....	495
9EJ	Kreis, Erwin.....	542 35th St., Milwaukee, Wis.....	18
9NI	Krug, Eugene C.....	2249 St. Louis Ave., St. Louis, Mo.....	250
9LQ	Kruse, Schiller.....	1538 Kentucky St., Lawrence, Kans.....	550
9FU	La Duke, Earl R.....	1100 S. Josephine St., Denver, Colo.....	250
9KR	Lagodzinski, Harry J.....	2222 N. Maplewood Ave., Chicago, Ill.....	18
9PR	Laidlaw, Robert F.....	5443 Wayne Ave., Chicago, Ill.....	550
9JD	Laier, James A.....	2449 Denver Ave., Kansas City, Mo.....	880
9TZ	Lamb, Rea M.....	119 Milwaukee Ave., Kenosha, Wis.....	250
9EU	Landis, Clyde L.....	3020 S. Bryant Ave., Minneapolis, Minn.....	250
9MO	Lange, Harold T.....	407 Edgar Rd., Webster Groves, Mo.....	275
9PL	Langen, George R.....	103 N. 13th St., Fargo, N. Dak.....	1,000
9KT	La Plant, G. L.....	St. Anthony, Iowa.....	990
9TX	La Rue, Harold.....	633 Park Ave. W., Waterloo, Iowa.....	18
9LN	Loughlin, Dale.....	2225 Douglas St., Sioux City, Iowa.....	18

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
9LX	Leberman, Palmer K.	Upper Falls Rd., Sheboygan, Wis.	280
9EC	Lebo, Robert B.	1306 Main St., Richmond, Ind.	700
9KC	Lee, David R.	4026 Clarendon Ave., Chicago, Ill.	935
9MN	Leonard, Frank.	827 N. Illinois St., Indianapolis, Ind.	27
9DH	Levi, Simeon C.	5342 S. Park Ave., Chicago, Ill.	18
9AO	Lipman, Theodore E. K.	136 W. Grand Ave., Beloit, Wis.	1,000
9LE	Lisle, Waldo E.	6612 Lowe Ave., Chicago, Ill.	72
9TH	Liston, Earl.	774 S. Grant St., Denver, Colo.	500
9GK	Lobas, John W.	635 31st St., Milwaukee, Wis.	24
9QF	Lockwood, Charles E.	1323 W. 7th St., Waterloo, Iowa.	1,000
9MR	Lorance, George T.	1340 27th St., Des Moines, Iowa.	275
9EM	Love, Andrew A., jr.	812 S. 7th St., Fargo, N. Dak.	110
9UC	Loveless, Harry L.	137 Griffin Ave., Somerset, Ky.	990
9SI	Lowe, Meredith B.	2347 N. Delaware St., Indianapolis, Ind.	1,000
9HS	Ludwig, Fred N.	Algona, Iowa.	12
9RN	Maibucher, Fred J.	2623 Indianapolis Ave., Indianapolis, Ind.	275
9QP	Mann, Harold L.	1120 Smith St., Burlington, Iowa.	24
9KA	Markowski, Edward T.	1468 N. Ashland Ave., Chicago, Ill.	330
9FB	Martin, John J.	2107 Adams St., Chicago, Ill.	220
9LZ	Mason, Francis M., jr.	9 N. Chicago St., Rossville, Ill.	440
9OC	Masters, Hardin.	4853 Kenwood Ave., Chicago, Ill.	250
9RT	Masters, Raymond.	2406 Wabash Ave., Kansas City, Mo.	18
9RE	Mathauser, James J.	4809 S. Throop St., Chicago, Ill.	20
9IK	Mathews, Ralph H. G.	5030 Kenmore Ave., Chicago, Ill.	990
9KX	Mathias, Russell E.	2509 Bellefontaine St., Indianapolis, Ind.	30
9SP	Maxson, Rolland and Charles S.	Milton, Wis.	1,000
9AG	McArdle, Warren C.	10 Taylor Ave., Webster Groves, Mo.	8
9RR	McCall, John A.	Crystal Lake, Ill.	36
9RG	McCartney, Hugh S.	1045 Hollywood Ave., Chicago, Ill.	550
9MD	McClintock, William S., jr.	1257 Topeka Ave., Topeka, Kans.	525
9RJ	McCoy, James B.	3026 N. New Jersey St., Indianapolis, Ind.	600
9AC	McGuffage, William J.	4418 Wabash Ave., Chicago, Ill.	1,000
9ER	McLoad, Kenneth.	3962-A Blaine Ave., St. Louis, Mo.	550
9FZ	McManus, John C.	1001 Morgan St., Keokuk, Iowa.	100
9KS	Mehrhof, Alexander R.	1211 Morse Ave., Chicago, Ill.	490
9LY	Melville, Malcolm L.	1128 Greenwood Ave., Wilmette, Ill.	770
9OY	Menninger, Joseph F.	1034 Scott St., Covington, Ky.	480
9IA	Mertins, Oscar A.	233 S. Lafayette Ave., Racine, Wis.	10
9QZ	Meyer, Otto.	1109 St. Clair Ave., E. St. Louis, Mo.	990
9RS	Meyer, Walter A.	1832 N. 13th St., Sheboygan, Wis.	220
9NP	Millard, Thomas.	817 S. Central Ave., Burlington, Iowa.	60
9JR	Miller, Harry F.	1024 E. 14th St., Davenport, Iowa.	550
9PV	Miller, Harry P.	1920 E. 8th St., Duluth, Minn.	550
9HP	Miller, William S.	623 E. 8th St., Kansas City, Mo.	24
9TN	Mingler, Robert J.	2315 Clyburn St., Milwaukee, Wis.	30
9DY	Mitchell, Len B.	4507 Woodlawn Ave., Chicago, Ill.	396
9CD	Moen, Vere M.	661 Grande Ave., St. Paul, Minn.	50
9MH	Moore, William M.	3102 N. Capitol Ave., Indianapolis, Ind.	250
9FW	Moreland, Henry F.	1009 Washington Ave., Cairo, Ill.	400
9MG	Morgan, Henry C.	724 E. 24th St., Indianapolis, Ind.	18
9MW	Morrison, Francis S.	1376 S. Lincoln St., Denver, Colo.	250
9TI	Morshead, John S.	Culver, Ind.	120
9TB	Morthland, George G.	304 E. Washington St., Decatur, Ill.	990
9NK	Moss, Frank K.	1021 S. York St., Denver, Colo.	550
9GF	Mueller, Carl E.	1010 S. Pierce St., Milwaukee, Wis.	24
9BJ	Munchhof, Leo G.	2046 N. New Jersey St., Indianapolis, Ind.	220
9EL	Murphy, James P.	Broadland, S. Dak.	30
9BE	Meyers, Delbert.	Amboy, Ind.	45

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
9OE	Meyers, John W.	Canton, Ill.	1,000
9BB	Nattenheimer, Ervin B.	559 Lexington Ave., Newport, Ky.	450
9BH	Neitz, Paul I.	137 Brainerd St., Naperville, Ill.	1,000
9RQ	Nelson, Carl H.	723 N. 1st St., Fargo, N. Dak.	45
9BQ	Nelson, Eddie.	731 N. 3d St., Fargo, N. Dak.	550
9KI	Neuman, Russell A.	1129 S. College St., Springfield, Ill.	100
9MT	Neumann, Clarence F.	1523 S. Ogden St., Denver, Colo.	250
9NF	Neumeister, Carl.	902 Michigan Ave., Sheboygan, Mich.	330
9TL	Newhall, Elwood L.	2181 Madison Ave., Covington, Ky.	27
9IP	Nicolay, Adolph W.	R. F. D. No. 1, Shattuc, Ill.	20
9SJ	Nolte, Edward F.	4955-A Terry Ave., St. Louis, Mo.	500
9CA	Norene, Raymond E.	2558 Avenue A., Council Bluffs, Iowa.	250
9RK	Norviel, Herbert D.	521 Jackson St., Anderson, Ind.	220
9QN	Oberholtz, Edwin F.	935 W. 33d Ter., Kansas City, Mo.	550
9FK	Oetjen, Richard J.	Williams Bay, Wis.	500
9DK	O'Neil, Donald H. C.	5740 Bartmer Ave., St. Louis, Mo.	600
9TT	Ort, Henry M.	3934 Montrose Ave., Chicago, Ill.	40
9JS	Osborn, Paul I.	Milford, Ill.	220
9UB	Osting, Raymond.	2135 S. New Jersey St., Indianapolis, Ind.	500
9FY	Pagett, Harry L.	1027 Fulton St., Keokuk, Iowa.	18
9KF	Pardieck, Victor.	320 S. 8th St., Richmond, Ind.	495
9TA	Parnin, Ross.	1239 W. Berry St., Ft. Wayne, Ind.	275
9DB	Paust, Lawrence R.	304 E. North St., Whitewater, Wis.	1,000
9IM	Pearce, Charles H.	320 Julian St., Waukegan, Ill.	250
9PW	Peck, Erle M.	North Crystal Lake, Ill.	560
9OH	Pentland, Robert L.	5225 Woodlawn Ave., Chicago, Ill.	330
9BL	Perine, W. B.	1728 Hall Pl., Indianapolis, Ind.	1,000
9LO	Perkins, Albert.	4008 W. Prospect St., Kansas City, Mo.	1,000
9IY	Perkins, Darlton C.	1940 N. Halleck St., Kansas City, Kans.	72
9NU	Perry, William N.	805 Lake Ave., Racine, Wis.	250
9QO	Petersen, Walter.	4607-A Natural Bridge Rd., St. Louis, Mo.	36
9HW	Peterson, Oscar W.	705 W. Bancroft Ave., Fergus Falls, Minn.	1,000
9NX	Phelps, Clyde W.	1032 Benton St., Rockford, Ill.	36
9OZ	Phillips, H. Leroy.	1108 5th St., Des Moines, Iowa.	25
9MM	Pickett, Chester H.	223 Maple Ave., Waukesha, Wis.	330
9EV	Piersol, Myron D.	4546 N. Seeley Ave., Chicago, Ill.	500
9CC	Pierson, Martin.	Williams Bay, Wis.	24
9PY	Pierson, Stuart W.	214 Maple Ave., Carrollton, Ill.	550
9LL	Plummer, Evans E.	2444 N. Alabama St., Indianapolis, Ind.	250
9TY	Pope, Franklin R.	675 Greenwood Ave., Glencoe, Ill.	550
9AD	Porwancher, Samuel.	402 N. 61st St., Chicago, Ill.	24
9HD	Prahl, Louis.	463 10th Ave., Milwaukee, Wis.	25
9FM	Preuss, Arthur C.	212 E. 9th St., Newport, Ky.	10
9JM	Putz, Anton E.	703 25th St., Milwaukee, Wis.	360
9OU	Pye, Harold.	935 Trumbull Ave., Chicago, Ill.	530
9GA	Racke, Arthur L.	31 18th St., Newport, Ky.	490
9CS	Ragan, Tate V.	523 Garfield Ave., Kansas City, Mo.	27
9PH	Ranson, Richard R.	626 W. Macon St., Decatur, Ill.	1,000
9SB	Rawson, A. Cummins.	2500 Grand Ave., Des Moines, Iowa.	440
9GC	Read, Harry.	728 Chestnut St., Grand Forks, N. Dak.	250
9FO	Rehm, Ralph E.	1102 N. 3d St., Kansas City, Kans.	160
9LA	Reichenecker, Frank N.	549 Everett Ave., Kansas City, Kans.	30
9FS	Reineke, Earl C.	1019 S. 5th Ave., Fargo, N. Dak.	1,000
9BW	Reinhardt, William.	3437 Taylor St., Omaha, Nebr.	250
9DS	Remmers, Elmer.	5031 Vernon Ave., St. Louis, Mo.	500
9OV	Richardson, David W.	5711 Blackstone Ave., Chicago, Ill.	330
9CH	Riggin, Benjamin F.	2112 Ammie Ave., Kansas City, Mo.	36
9NE	Riley, Wilson M.	4424 St. John St., Kansas City, Mo.	30
9EO	Rivett, Ralph.	1934 Garfield Ave., Lincoln, Nebr.	400

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
9KZ	Roach, John M.	436 Surf St., Chicago, Ill.	500
9GS	Robbins, Donald T.	15 W. 58th St., Kansas City, Mo.	24
9ND	Roberts, Mason C.	1130 Wisconsin St., Racine, Wis.	550
9DD	Rogers, Glen B.	3134 Gaylord St., Denver, Colo.	1,000
9NO	Romberg, Malcolm.	6220 University Ave, Chicago, Ill.	110
9ST	Roth, John.	1827 John Ave., Superior, Wis.	220
9PP	Rowley, Burton.	905 Wisconsin St., Racine, Wis.	440
9QU	Rudd, Rudolph.	730 Bluff St., Fargo, N. Dak.	770
9MP	Ruffer, Earl P.	1819 Lynch Ave., East St. Louis, Mo.	440
9OS	Rutt, Burnice L.	Casey, Iowa.	640
9PB	Sager, Arthur.	941 Superior St., Appleton, Wis.	24
9JC	Salter, John R.	Hudson, Wis.	330
9RL	Saltmarsh, Eugene P.	1215 Newman St., Indianapolis, Ind.	24
9HU	Saner, Robert J.	1016 Boone St., Newport, Ky.	18
9FV	Saunders, P. Bushnell.	700 E. 4th St., Delta, Colo.	550
9DT	Schaf, J. Charles, jr.	1410 N. Delaware St., Indianapolis, Ind.	1,000
9LG	Scheuer, Edward W.	4332 Michigan Ave., Chicago, Ill.	358
9SE	Schmidt, Otto G.	4310 Emmet St., Omaha, Nebr.	440
9LM	Schowalter, Elmer R.	Mountridge, Kans.	250
9SS	Schrage, Charles T.	517 Washington Ct., Sheboygan, Wis.	120
9IR	Schricker, J. Raymond.	R. F. D. No. 6, Rockingham, Iowa.	30
9JZ	Schubert, Clarence K. F.	932 Spaight St., Madison, Wis.	495
9JJ	Schulte, George.	5041 Maple Ave., St. Louis, Mo.	1,000
9KW	Scott, M. Vernon.	2428 Bellefontaine St., Indianapolis, Ind.	18
9DN	Sears, Charles L.	1322 Bayward Ave., St. Louis, Mo.	1,000
9SU	Seese, Thomas G.	4355 N. Ashland Ave., Chicago, Ill.	750
9IT	Sels, Hollis K.	Toledo, Iowa.	990
9OO	Semmelmeyer, Herbert.	2629 W. Fairfield Ave., Chicago, Ill.	24
9GH	Sever, Harold C.	Pleasant Plains, Ill.	40
9BG	Shepherd, Don I.	316 N. West St., St. John, Kans.	1,060
9MI	Shiel, Merrill.	433 S. Warman Ave., Indianapolis, Ind.	18
9EF	Shotwell, Harold H.	446 W. 61st Pl., Chicago, Ill.	770
9AJ	Siegel, Robert C.	478 Potter Ave., Milwaukee, Wis.	440
9EE	Silcox, Harry A.	1526 S. New Jersey St., Indianapolis, Ind.	550
9GJ	Simpson, Virgil S.	1380 Union Ave., St. Louis, Mo.	550
9AQ	Skrainka, R. Nicholas, and Walter.	4235 Lindell Blvd., St. Louis, Mo.	220
9IX	Smith, Henry M.	4454 Monroe St., Chicago, Ill.	96
9GE	Smith, Hubert A.	301 W. Illinois St., Urbana, Ill.	1,000
9MA	Smith, Lester M.	Salem, Wis.	10
9BA	Smith, Paul C.	Mulberry, Ind.	60
9BR	Smith, Raymond J.	1836 Villa St., Racine, Wis.	280
9FX	Smith, Wilson.	219 Rome Ave., Rockford, Ill.	450
9IH	Snyder, Wendell H.	3407 Forest Ave., Des Moines, Iowa.	403
9JI	Sommer, James M.	2338 Talbott Ave., Indianapolis, Ind.	260
9EI	Spaniol, John T.	1324 Harrison St., Superior, Wis.	250
9OT	Speicher, John B.	4155 Grand Blvd., Chicago, Ill.	20
9QQ	Spencer, Earle W.	600 Wingfield St., Anoka, Minn.	550
9PU	Spicer, Verne T.	1120 2d St., Perry, Iowa.	1,000
9OG	Springer, Charles W.	9757 Longwood Drive, Chicago, Ill.	330
9GM	Sproehle, John R.	5809 Blackstone Ave., Chicago, Ill.	250
9PE	Stang, Ray E.	1305 Main St., Le Mars, Iowa.	16
9IB	Stanley, Charles A.	3016 E 2d St., Wichita, Kans.	880
9MF	Stauber, Anthony W.	421 Wisconsin Ave., Sheboygan, Wis.	20
9HK	St. Cyr, Albert.	319 Harrison St., Marquette, Mich.	500
9SX	Steinberg, Alfred F.	933 35th St., Milwaukee, Wis.	22
9CP	Stelloh, Henry.	495 12th Ave., Milwaukee, Wis.	30
9RY	Stephens, Harold R.	Public School Bldg., Aurora, Ill.	931
9AT	Stetson, Donald T.	2162 Carrol Ave., St. Paul, Minn.	400
9NS	Stevens, Eugene.	1718 Quindaro Blvd., Kansas City, Kans.	100

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Watts.</i>
90X	Stevens, Harold D.	6804 Hurlbut Ave., Chicago, Ill.	456
9RZ	Stone, Francis E.	801 Harrison St., Topeka, Kans.	1,000
9LH	Stone, J. McW.	5129 Harper Ave., Chicago, Ill.	600
9LP	Stover, Peter A.	Marengo, Iowa.	900
9EA	Stribley, Orris J.	511 S. 4th St., Moorehead, Minn.	220
9TV	Summers, Chessman M.	R. F. D. No. 6, Kokomo, Ind.	30
9SL	Sutcliffe, Ewart L.	308 Kearsarge St., Laurium, Mich.	150
9DQ	Sutherland, Kenneth L.	1411 Harrison St., Topeka, Kans.	275
9IV	Swaisgood, Paul B.	602 N. Rural St., Indianapolis, Ind.	990
9KV	Swanger, Bertan R.	413 S. Martha St., Angola, Ind.	660
9ID	Swanson, Carl S.	7110 Cottage Grove Ave., Chicago, Ill.	24
9PZ	Tallentire, Thomas.	458 Foote Ave., Bellevue, Ky.	440
9FP	Tawkes, Chas. E.	503 Hill St., Dubuque, Iowa.	85
9HJ	Taylor, Forrest.	Monroeville, Ind.	500
9IE	Taynton, Mark.	7641 Bond Ave., Chicago, Ill.	20
9ON	Teller, Kedzie.	Riverside, Ill.	605
9QV	Thacher, Safford D.	310 Polk St., Topeka, Kans.	120
9RU	Thomas, Herschel.	R. F. D. No. 15, Amboy, Ind.	45
9QI	Thomas, Rex.	1248 Reisner St., Indianapolis, Ind.	250
9CV	Thorne, Robert S.	7400 Harvard Ave., Chicago, Ill.	21
9BM	Throop, Fred I.	Gilman, Ill.	440
9TS	Tinling, Ted R. G.	6042 Kenwood Ave., Chicago, Ill.	150
9EB	Tomann, Orville R.	R. F. D. No. 1, Ellsworth, Wis.	24
9IU	Tronske, Anthony.	4675 Louisiana St., St. Louis, Mo.	495
9JW	Trump, Robert K.	1254 Van Buren St., Topeka, Kans.	385
9QK	Tuckerman, Gustavus, jr.	5821 Pennsylvania Ave., St. Louis, Mo.	36
9TR	Turner, Orville H. and Joseph T.	4534 McMillan Ave., St. Louis, Mo.	300
9EY	Urquhart, David G.	110 S. Irving Ave., Chicago, Ill.	32
9SM	Van Hook, Valens.	127 Clay St., Topeka, Kans.	36
9BV	Van Slyck, Wellington.	836 Main St., Lake Geneva, Wis.	125
9QY	Vehling, Robert.	622 N. Rural St., Indianapolis, Ind.	250
9GR	Wanner, Theodore L.	803 S. 7th St., Fargo, N. Dak.	1,000
9JT	Warner, Kenneth B.	402 Washington Ave., Cairo, Ill.	440
9DI	Watkins, Chester E.	110 Central Ave., Ashland, Ky.	1,000
9CU	Watkins, Edwin S.	5245 Magnolia Ave., Chicago, Ill.	990
9JA	Watson, Noble B.	529 Warren Ave., Indianapolis, Ind.	250
9DO	Weber, Anthony L.	1302 Winona Ave., Chicago, Ill.	18
9IG	Weber, George.	4123 Shenandoah Ave., St. Louis, Mo.	880
9CB	Weiss, Clarence.	644 Greenfield Ave., Milwaukee, Wis.	56
9SK	Weitz, Rudolph W.	303 W. 42d St., Des Moines, Iowa.	660
9MC	West, Kenneth A.	327 Huron Ave., Sheboygan, Wis.	250
9CT	Wember, Anthony J.	89 13th St., North Chicago, Ill.	275
9CQ	Weyant, James E.	Shortridge High School, Indianapolis, Ind.	350
9QC	Wheeler, Ted R.	1729 Quindaro Blvd., Kansas City, Kans.	550
9LB	Whipple, Arthur F.	1040 N. Leclair Ave., Chicago, Ill.	220
9CL	Whitaker, Harold P.	1004 10th St., Racine, Wis.	50
9JH	White, H. S. M.	1523 Jackson St., Sioux City, Iowa.	936
9AY	Whitmer, Albert G.	452 W. 60th St., Chicago, Ill.	24
9GQ	Wiggin, Parker E.	737 Waverly Ave., Kansas City, Kans.	440
9UA	Wigton, Theron W.	27 N. Anderson St., Aurora, Ill.	150
9KH	Wilcox, Leo B.	415 W. Park Ave., Angola, Ind.	660
9ME	Williams, Archie J.	1036 Huntington Ave., Covington, Ky.	45
9PN	Williams, Harry B.	515 S. Central St., Chanute, Kans.	500
9SY	Williams, Morton B.	2419 S. Calhoun St., Ft. Wayne, Ind.	978
9RA	Williams, Norman B.	115-117 N. Vermillion St., Streator, Ill.	100
9OK	Williams, Warren.	1210 S. High St., Denver, Colo.	250
9NZ	Willing, William P.	610 N. Grove Ave., Oak Park, Ill.	990
9FG	Wilson, Gilbert M.	718 S. 10th St., La Fayette, Ind.	495
9EP	Wilson, Guy E.	3922 Flora Ave., Kansas City, Mo.	40

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
9NR	Winchester, Roy H.	840 De Kalb Ave., Sycamore, Ill.	<i>Watts.</i> 990
9TP	Witcraft, Wilbur.	1941 Thompson Ave., Kansas City, Kans.	500
9MX	Withington, Charles H. .	1327 9th Ave., Greeley, Colo.	1,000
9AR	Woodruff, Ralph T.	737 N. 13th St., East St. Louis, Mo.	440
9HA	Woods, William E.	4536-A Laclede Ave., St. Louis, Mo.	500
9NB	Woolley, Francis L.	6222 Greenfield Ave., West Allis, Wis.	920
9NC	Woolley, Francis L.	69 Park Ave., Glencoe, Ill.	900
9CY	Wooster, Stanley W.	5531 Lowe Ave., Chicago, Ill.	850
9JV	Wright, Kenneth W.	418 W. 8th St., Fort Scott, Kans.	92
9QM	Wunderlich, Clarence C. .	213 3d St., Cairo, Ill.	220
9NL	Wunderlich, Norman. . .	Sedgewick and Division Sts., Chicago, Ill.	500
9FJ	Wyckoff, Ralph R.	167 Diamond St., Houghton, Mich.	27
9HB	Youker, J. Clayton.	Lake Bluff, Ill.	24
9QE	Yount, Floyd H.	3412 Coleman Rd., Kansas City, Mo.	550
9JX	Zeman, Anton.	3000 S. Harding Ave., Chicago, Ill.	36
9DM	Ziesenis, Harry.	700 Mississippi St., Lawrence, Kans.	990

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
9AA	Klantz, Clarence.	9BK	Clemons, G. H.
9AB	Groskopf, William L.	9BL	Perine, W. B.
9AC	McGuffage, William J.	9BM	Throop, Fred I.
9AD	Porwancher, Samuel.	9BN	Flynn, John H., jr.
9AE	Crouch, Haley C.	9BO	Fry, Claud.
9AF	Cole, Walten E., jr.	9BP	Holcombe, Ray E.
9AG	McArdle, Warren C.	9BQ	Nelson, Eddie.
9AH	Kihlstrom, Harry C.	9BR	Smith, Raymond J.
9AI	Kaufmann, Elmer.	9BS	Jorgenson, Harold.
9AJ	Siegel, Robert C.	9BT	Duquette, Herbert E.
9AK	Andresen, E. Norman.	9BU	Brown, Clarence L.
9AL	Johnson, Arthur F.	9BV	Van Slyck, Wellington.
9AM	Jackson, William C.	9BW	Reinhardt, William.
9AN	Cole, Jirah D., jr.	9BX	Hantzsch, Ralph E.
9AO	Lipman, Theodore E. K.	9BY	Kennan, Richard C.
9AP	Kingsley, Raymond C.	9BZ	Hoople, Frank C.
9AQ	Skrainka, R. Nicholas, and Walter.	9CA	Norene, Raymond E.
9AR	Woodruff, Ralph T.	9CB	Weiss, Clarence.
9AS	Goodnow, Frank E.	9CC	Pierson, Martin.
9AT	Stetson, Donald T.	9CD	Moen, Vere M.
9AU	Flanders, Douglass A.	9CE	Hansen, Leland H.
9AV	Hamel, Walter H.	9CF	Coffman, Scott.
9AX	Fowler, Harry A.	9CG	Johnson, Ralph J.
9AY	Whitmer, Albert G.	9CH	Riggin, Benjamin F.
9AZ	Davidson, James G.	9CI	Johnson, August R.
9BA	Smith, Paul C.	9CJ	Harry, Charles.
9BB	Nattenheimer, Ervin B.	9CK	Abel, Wilson L.
9BC	Dunlap, Carroll M.	9CL	Whitaker, Harold P.
9BD	Keeler, Fayette W.	9CM	Klicpera, Milhart F.
9BE	Myers, Delbert.	9CN	Cobb, Merle.
9BF	Klingenhagen, George F.	9CO	Bautz, Russell.
9BG	Shepherd, Don I.	9CP	Stelloh, Henry.
9BH	Neitz, Paul I.	9CQ	Weyant, James E.
9BI	Craig, Richard A.	9CR	Buehner, Howard.
9BJ	Munchhof, Leo G.	9CS	Ragan, Tate V.
		9CT	Wem'ber, Anthony J.

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
9CU	Watkins, Edwin S.	9FB	Martin, John J.
9CV	Thorne, Robert S.	9FC	Anders, Harry R.
9CW	Egloff, Martin F.	9FE	Dunklan, George.
9CX	Haynes, Roy.	9FF	Hughes, Walter J.
9CY	Wooster, Stanley W.	9FG	Wilson, Gilbert M.
9DA	Irvin, John A.	9FH	Dahm, Henry L.
9DB	Paust, Lawrence R.	9FI	Chaudet, William J.
9DC	Fahrney, Clarence H.	9FJ	Wyckoff, Ralph R.
9DD	Rogers, Glen B.	9FK	Oetjen, Richard J.
9DE	Jensen, Arnold N.	9FL	Hauck, George.
9DF	Dutton, Laurence E.	9FM	Preuss, Arthur C.
9DG	Hilgenberg, Noble C.	9FN	Abraham, Walter H.
9DH	Levi, Simeon C.	9FO	Rehm, Ralph E.
9DI	Watkins, Chester E.	8FP	Tawkes, Chas. E.
9DJ	Beasley, William A.	9FR	Heckenkamp, Emile B.
9DK	O'Neil, Donald H. C.	8FS	Reineke, Earl C.
9DL	Friend, Earle M.	9FT	Graves, G. G.
9DM	Ziesenis, Harry.	9FU	La Duke, Earl R.
9DN	Sears, Charles L.	9FV	Saunders, P. Bushnell.
9DO	Weber, Anthony L.	9FW	Moreland, Henry F.
9DP	Clark, Bayard H.	9FX	Smith, Wilson.
9DQ	Sutherland, Kenneth L.	9FY	Pagett, Harry L.
9DR	Juvenal, James B.	9FZ	McManus, John C.
9DS	Remmers, Elmer.	9GA	Racke, Arthur L.
9DT	Schaf, J. Charles, jr.	9GB	Boess, Murray R.
9DU	Elliott, Byron K.	9GC	Read, Harry.
9DV	Hearne, George M.	9GE	Smith, Hubert A.
9DW	Barrett, Arthur C.	9GF	Mueller, Carl E.
9DX	Fostrom, Harry.	9GG	Hagen, Edwin N.
9DY	Mitchell, Len B.	9GH	Sever, Harold C.
9DZ	Barton, Harold.	9GI	Hanson, Frederick R. A.
9EA	Stribley, Orris J.	9GJ	Simpson, Virgil S.
9EB	Tomann, Orville R.	9GK	Lobas, John W.
9EC	Lebo, Robert B.	9GM	Sproehle, John R.
9ED	Burgess, Charles M.	9GN	Curtis, Charles D.
9EE	Silcox, Harry A.	9GP	Denny, L. Erle.
9EF	Shotwell, Harold H.	9GQ	Wiggin, Parker E.
9EG	Dean, Carl W.	9GR	Wanner, Theodore L.
9EH	Kegley, William F.	9GS	Robbins, Donald T.
9EI	Spaniol, John T.	9GT	Grecian, Everett.
9EJ	Kreis, Erwin.	9GU	Clayton, Homer E.
9EK	French, Newell E.	9GV	Coles, James A.
9EL	Murphy, James P.	9GW	Arnold, Ercil.
9EM	Love, Andrew A., jr.	9GX	Fox, John E.
9EN	Fisher, Ralph.	9GZ	Ihl, G. Sheridan.
9EO	Rivett, Ralph.	9HA	Woods, William E.
9EP	Wilson, Guy E.	9HB	Youker, J. Clayton.
9EQ	Cruikshank, Charles A., jr.	9HC	Kerney, Iden M.
9ER	McLoad, Kenneth.	9HD	Prahl, Louis.
9ES	Graham, Walter N., jr.	9HE	Bergvall, Royal C. and Wesley E.
9ET	Conzelman, J. Wilson.	9HF	Hatch, J. Hadley.
9EU	Landis, Clyde L.	9HG	Kistner, Joseph.
9EV	Piersol, Myron D.	9HH	Bohac, Leonard.
9EW	Jackson, Arved C.	9HI	Burchnell, George M.
9EX	Adolfson, George S.	9HJ	Taylor, Forrest.
9EY	Urquhart, David G.	9HK	St. Cyr, Albert.
9EZ	Davis, Richard M.	9HL	Crawford, Robert.
9FA	King, Lawrence.	9HM	Davis, Donald W.
		9HN	Crowdus, James A.

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—
Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
9HO	Kossov, Erwin.	9JZ	Schubert, Clarence K. F.
9HP	Miller, William S.	9KA	Markowski, Edward T.
9HR	Baulch, Ernest L.	9KB	Goodman, Mark.
9HS	Ludwig, Fred N.	9KC	Lee, David R.
9HT	Kelso, Charles A.	9KD	Carll, W. Curtis.
9HU	Saner, Robert J.	9KE	Kranzfelder, Leonard J.
9HW	Peterson, Oscar W.	9KF	Pardick, Victor.
9HX	Foss, H. Marcus.	9KG	Gore, Harold.
9HY	Erwood, John, jr.	9KH	Wilcox, Leo B.
9HZ	Hubbard, Clarence.	9KI	Neuman, Russell A.
9IA	Mertins, Oscar A.	9KJ	Hill, Frederick A.
9IB	Stanley, Charles A.	9KK	Hendricks, George.
9IC	Greanleaf, Sydine A.	9KL	Helms, Elvin E.
9ID	Swanson, Carl S.	9KM	Anderson, Oscar L.
9IE	Taynton, Mark.	9KN	Burg, Harold E.
9IF	Cole, Jirah D., jr.	9KO	Joseph, Jarold S.
9IG	Weber, George.	9KP	Conner, Claud H.
9IH	Snyder, Wendell H.	9KQ	Jones, Frank S.
9II	Eichenberger, Walter.	9KR	Lagodzinski, Harry J.
9IJ	Schulte, George.	9KS	Mehrhof, Alexander R.
9IK	Mathews, Ralph H. G.	9KT	La Plant, G. L.
9IL	Batcher, Ralph.	9KU	Burgy, Charles A., jr.
9IM	Pearce, Charles H.	9KV	Swanger, Bertan R.
9IN	Gates, Preston L.	9KW	Scott, M. Vernon.
9IO	Henry, Albert L.	9KX	Mathias, Russell E.
9IP	Nicolay, Adolph W.	9KY	Hartwell, Eugene H.
9IQ	Call, George R.	9KZ	Roach, John M.
9IR	Schricker, J. Raymond.	9LA	Reichenecker, Frank N.
9IS	Fish, John R.	9LB	Whipple, Arthur F.
9IT	Sels, Hollis K.	9LC	Casey, John G.
9IU	Tronske, Anthony.	9LD	Brinkerhoff, George H., jr.
9IV	Swaigood, Paul B.	9LE	Lisle, Waldo E.
9IW	Brown Ellswo	9LF	Keenan, Charles J.
9IX	Smith, Henry M.	9LG	Scheuer, Edward W.
9IY	Perkins, Dariton C.	9LH	Stone, J. McW.
9IZ	Harris, Ralph G.	9LI	Heiser, Walter C.
9JA	Watson, Noble B.	9LJ	Becker, Clarence.
9JB	Erikson, Eben W.	9LK	Harrison, Major P., jr.
9JC	Salter, John R.	9LL	Plummer, Evans E.
9JD	Laier, James A.	9LM	Schowalter, Elmer R.
9JE	Baumer, Harry W.	9LN	Laughlin, Dale.
9JG	Hood, Norman R.	9LO	Perkins, Albert.
9JH	White, H. S. M.	9LP	Stover, Peter A.
9JI	Sommer, James M.	9LQ	Kruse, Schiller.
9JJ	Dyson, L. E.	9LR	Carroll, William H.
9JK	Keough, Otis E.	9LS	Fisk, Kenneth.
9JL	Keller, Stanley L.	9LU	Knouf, Ralph.
9JM	Putz, Anton E.	9LV	Ehling, Fritz.
9JN	Chubb, Jake H.	9LW	Howard, Clyde M.
9JO	Bolen, John C., jr.	9IX	Leberman, Palmer K.
9JQ	Finlay, William J.	9LY	Melville, Malcolm L.
9JR	Miller, Harry F.	9LZ	Mason, Francis M., jr.
9JS	Osborn, Paul I.	9MA	Smith, Lester M.
9JT	Warner, Kenneth B.	9MB	Andreas, Gerald T.
9JU	Dietterich, Frank E.	9MC	West, Kenneth A.
9JV	Wright, Kenneth W.	9MD	McClintock, William S., jr.
9JW	Trump, Robert K.	9ME	Williams, Archie J.
9JX	Zeman, Anton.	9MF	Stauber, Anthony W.
9JY	Black, Max I.		

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—
Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
9MG	Morgan, Henry C.	9ON	Teller, Kedzie.
9MH	Moore, William M.	9OO	Semmelmeyer, Herbert.
9MI	Shiel, Merrill.	9OP	Born, John F. F.
9MJ	Hussner, Helm C.	9OQ	Coultas, Charles.
9MK	Giltner, L. Wallace.	9OR	Eling, Raymond W.
9ML	Eick, Ferdinand.	9OS	Rutt, Burnice L.
9MM	Pickett, Chester H.	9OT	Speicher, John B.
9MN	Leonard, Frank.	9OU	Pye, Harold.
9MO	Lange, Harold T.	9OV	Richardson, David W.
9MP	Ruffer, Earl P.	9OW	Del-Vecchio, Earl.
9MQ	Graham, Albert I.	9OX	Stevens, Harold D.
9MR	Lorance, George T.	9OY	Menninger, Joseph F.
9MS	Dier, Stephen.	9OZ	Phillips, H. Leroy.
9MT	Neumann, Clarence F.		
9MU	Hess, Merriman.	9PA	Korthals, Albert.
9MV	Hughes, James C.	9PB	Sager, Arthur.
9MW	Morrison, Francis S.	9PC	Carter, George W.
9MX	Withington, Charles H.	9PD	Cassaday, Cecil E.
9MY	Haines, Thorvald L.	9PE	Stang, Ray E.
9MZ	Evans, Walter C.	9PF	Bolin, Ray E.
		9PG	Bergherm, Worth D.
9NA	Cleaveland, Leroy A.	9PH	Ranson, Richard R.
9NB	Woolley, Francis L.	9PI	Finehout, Fred.
9NC	Woolley, Francis L.	9PJ	Clark, Robert J.
9ND	Roberts, Mason C.	9PK	Foster, Edwin
9NE	Riley, Wilson M.	9PL	Langen, George R.
9NF	Neumeister, Carl.	9PM	Kaiser, Bernard O.
9NG	Jansen, Laurence.	9PN	Williams, Harry B.
9NH	Abercrombie, Julius B.	9PO	Hanes, Fred B.
9NI	Krug, Eugene C.	9PP	Rowley, Burton.
9NJ	Brabender, Carl W.	9PQ	Greenleaf, Burton B.
9NK	Moss, Frank K.	9PR	Laidlaw, Robert F.
9NL	Wunderlich, Norman.	9PS	Gosha, Donald.
9NM	Glavin, Roland E.	9PT	Corey, Flournoy.
9NN	Deal, Harmon B.	9PU	Spicer, Verne T.
9NO	Romberg, Malcolm.	9PV	Miller, Harry P.
9NP	Millard, Thomas.	9PW	Peck, Earle M.
9NQ	Faber, Peter, jr.	9PX	Gustafson, C. Hjalmar.
9NR	Winchester, Roy H.	9PY	Pierson, Stuart W.
9NS	Stevens, Eugene.	9PZ	Tallentire, Thomas.
9NT	Chapman, Richard C.		
9NU	Perry, William N.	9QA	Huttig, Charles M.
9NV	Gates, Arthur R.	9QB	Cannon, Charles B.
9NW	Caldwell, Kenneth R.	9QC	Wheeler, Ted R.
9NX	Phelps, Clyde W.	9QD	Albach, Henry, jr.
9NY	Ivy, John S.	9QE	Yount, Floyd H.
9NZ	Willing, William P.	9QF	Lockwood, Charles E.
		9QG	Davis, T. Harley.
9OA	Dilley, Joseph	9QI	Thomas, Rex.
9OB	Church, Archibald, jr.	9QJ	Hood, Kuper, jr.
9OC	Masters, Hardin.	9QK	Tuckerman, Gustavus, jr.
9OD	Kohl, William.	9QL	Baldwin, John G.
9OE	Myers, John W.	9QM	Wunderlich, Clarence C.
9OF	Kellenberger, Harry S.	9QN	Oberholtz, Edwin F.
9OG	Springer, Charles W.	9QO	Petersen, Walter.
9OH	Pentland, Robert L.	9QP	Mann, Harold L.
9OI	Holte, Harold O.	9QQ	Spencer, Earle W.
9OJ	Barry, Daniel.	9QR	Jewett, Gerald A.
9OK	Williams, Warren.	9QS	Hood, Thomas.
9OL	Johnson, Enoch.	9QT	Beighley, Emmet R.
9OM	Finley, Cyrus P.	9QU	Rudd, Rudolph.

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—
Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
9QV	Thatcher, Safford D.	9SO	Day, Harold E.
9QW	Carnes, Theodore L.	9SP	Maxson, Rolland and Charles S.
9QX	Galpin, John K.	9SQ	Iverson, Reginald J.
9QY	Vehling, Robert.	9SS	Schrage, Charles T.
9QZ	Meyer, Otto.	9ST	Roth, John.
9RA	Williams, Norman B.	9SU	Seese, Thomas G.
9RB	Kluge, Arno A.	9SV	Fay, Arthur S.
9RC	Bohnstengel, George.	9SW	Gammon, Frank E.
9RD	Johnson, D. Vernet.	9SX	Steinberg, Alfred F.
9RE	Mathauser, James J.	9SY	Williams, Morton B.
9RF	Beil, Richard M.	9SZ	Bonney, Harold H.
9RG	McCartney, Hugh S.	9TA	Parnin, Ross.
9RH	Debus, George W.	9TB	Morthland, George G.
9RI	Albrecht, Harry L.	9TC	Krause, Charles H.
9RJ	McCoy, James B.	9TD	Eisele, Edward J.
9RK	Norviel, Herbert D.	9TE	Cronk, Seymour H.
9RL	Saltmarsh, Eugene P.	9TF	Fox, Laurence C.
9RM	Guthrie, Edwin P.	9TG	Fruit, Lester.
9RN	Maibucher, Fred J.	9TH	Liston, Earl.
9RO	Fellows, Charles.	9TI	Morshead, John S.
9RP	Graf, Rudolph.	9TJ	Hancock, George T.
9RQ	Nelson, Carl H.	9TK	Jensen, Louis T.
9RR	McCall, John A.	9TL	Newhall, Elwood L.
9RS	Meyer, Walter A.	9TM	Bonson, George W.
9RT	Masters, Raymond.	9TN	Mirgeler, Robert J.
9RU	Thomas, Herschel.	9TO	Cyr, Darrell J.
9RV	Henning, William C.	9TP	Witcraft, Wilbur.
9RW	Burhop, Harold.	9TQ	Griggs, Fred W.
9RX	Cummings, Murney.	9TR	Turner, Orville H. and Joseph T.
9RY	Stephens, Harold R.	9TS	Tinling, Ted R. G.
9RZ	Stone, Francis E.	9TT	Ort, Henry M.
9SA	Brennan, Joseph D.	9TU	Gruda, Edgar.
9SB	Rawson, A. Cummins.	9TV	Summers, Chessman M.
9SC	Cooper, Charles H.	9TW	Anderson, Axel V.
9SD	Broughton, William G.	9TX	La Rue, Harold.
9SE	Schmidt, Otto G.	9TY	Pope, Franklin R.
9SF	Daugherty, Hugh D.	9TZ	Lamb, Rea M.
9SG	Komm, Paul M.	9UA	Wigton, Theron W.
9SH	Burdick, Roy E.	9UB	Osting, Raymond.
9SI	Lowe, Meredith B.	9UC	Loveless, Harry L.
9SJ	Nolte, Edward F.	9UD	Diehl, Grant, jr.
9SK	Weitz, Rudolph W.	9UE	Fels, Thomas W.
9SL	Sutcliffe, Ewart L.	9UF	Goerisch, William.
9SM	Van Hook, Valens.	9UG	Koenig, William, jr.
9SN	Anderson, Virgil.		

APPENDIX.

TRANSMISSION OF TIME SIGNALS BY NAVAL RADIO STATIONS.

The transmission of time signals to vessels at sea by means of radiotelegraphy was first accomplished in the United States in 1905, and this service, enlarged and extended, has continued to the present time. This service is of the greatest value to mariners, as it furnishes a means by which the time, as given by the transmitted signals, may be compared with a ship's chronometer and the error of the chronometer found. Similar comparisons over a number of days enable data to be obtained by which not only the error may be found, but also the chronometer rate; that is, the rate at which it is gaining or losing.

The noontime signals on the Atlantic coast are sent out through the coast radio stations by connection with Western Union telegraph lines from the United States Naval Observatory at Washington, D. C. By the operation of proper relays in electrical circuits, the beats of the seconds of a standard clock in the observatory are sent out broadcast as a series of radio dots, commencing five minutes before the time of the final signal. By omitting certain dots in a series, the comparison between the dots and the beats of the chronometer seconds can be checked until the instant of local noon (seventy-fifth meridian time) is reached. This is marked by a longer dot, which gives the time of exact noon. A comparison with the chronometer time at that instant gives its error referred to the seventy-fifth meridian time. Applying the difference in longitude, namely, five hours, between the seventy-fifth meridian and Greenwich, which is the standard meridian (or 0° longitude), the error of the chronometer referred to Greenwich time is determined.

Time signals are now sent out on the Atlantic coast only through the radio stations at Arlington, Key West, and New Orleans. Signals from Arlington and Key West, which reach a zone formerly served by other coast stations, are sent out every day in the year twice a day, viz, from 11.55 a. m. to noon and from 9.55 to 10 p. m., seventy-fifth meridian time. Time signals from New Orleans are sent out daily, including Sundays and holidays, commencing at 11.55 a. m., seventy-fifth meridian time, and ending at noon.

In case of failure of the Arlington high-power station, the signals are sent out by the small set in the same station, and the stations at Boston, New York, Newport, Norfolk, and Charleston are notified, and they each send the signals broadcast.

On the Pacific coast the time signals are sent broadcast to sea through the naval radio stations at Mare Island, Eureka, Point Arguello, and San Diego, Cal., and at North Head, Wash. The controlling clock for each station is in the naval observatory at the Mare Island Navy Yard. Signals from Mare Island are sent out every day from 11.55 to noon, and from 9.55 to 10 p. m., one hundred and twentieth meridian standard time. Those from North Head, Eureka, Point Arguello, and San Diego are sent out daily, excluding Sundays and holidays, from 11.55 to noon, one hundred and twentieth meridian standard time.

To get the maximum clearness of signals, the receiving circuit should be tuned to that of the sending station. Arlington and Mare Island send on a 2500-meter wave length, North Head and San Diego on a 2000-meter wave length, Eureka on a 1400-meter wave length, Key West and New Orleans on a 1000-meter wave length, and Point Arguello on a 750-meter wave length. On the completion of the new radio station at the training station, Great Lakes, time signals will be transmitted from that station for the benefit of shipping on the Great Lakes, as well as the weather reports for that region, now transmitted by Arlington after the Atlantic coast weather bulletin, following the 10 p. m. time signals.

TRANSMISSION OF WEATHER REPORTS BY NAVAL RADIO STATIONS.

Through cooperation with local offices of the United States Weather Bureau, weather forecasts are sent broadcast to sea through naval coast radio stations at certain times, varying with the locality. Coast stations are generally prepared to give local forecasts to passing vessels without charge, on request. Storm warnings are sent whenever received and the daily weather bulletins are distributed by the naval radio stations at Arlington, Va., and Key West, Fla., a few minutes after the 10 p. m. time signal. These bulletins consist of two parts.

The first part contains code letters and figures which express the actual weather conditions at 8 p. m., seventy-fifth meridian time, on the day of distribution, at certain points along the eastern coast of North America, one point along the Gulf of Mexico, and one at Bermuda.

The second part of the bulletin contains a special forecast of the probable winds to be experienced a hundred miles or so off shore, made by the United States Weather Bureau, for distribution to shipmasters. The second part of the bulletin also contains warnings of

severe storms along the coasts, as occasions for such warnings may arise.

Immediately following this bulletin, a weather bulletin for certain points along the Great Lakes is sent broadcast by the naval radio station at Arlington, Va., consisting of two parts. The first part contains code letters and figures which express the actual weather conditions at 8 p. m., seventy-fifth meridian time, on the day of distribution, at certain points along the Lakes. The second part of the bulletin contains a special forecast of the probable winds to be experienced on the Lakes, during the season of navigation—about April 15 to December 10.

The points for which weather reports are furnished are designated as follows: *For Atlantic coast and Gulf points*, S=Sydney, T=Nantucket, DB=Delaware Breakwater, H=Hatteras, C=Charleston, K=Key West, P=Pensacola, and B=Bermuda; *for points on the Great Lakes*, Du=Duluth, M=Marquette, U=Sault Ste. Marie, G=Green Bay, Ch=Chicago, L=Alpena, D=Detroit, V=Cleveland, and F=Buffalo.

All bulletins begin with the letters U. S. W. B. (United States Weather Bureau) and the weather conditions follow. The first three figures of a report represent the barometric pressure in inches (002 = 30.02); the next figure, the fourth in sequence, represents the direction of the wind to the eight points of the compass: 1=north, 2=northeast, 3=east, 4=southeast, 5=south, 6=southwest, 7=west, 8=northwest, and 0=calm. The fifth figure represents the force of the wind on the Beaufort Scale, given below.

Beaufort Scale of wind force.

Number and designation.	Statute miles per hour.	Nautical miles per hour.
0 Calm.....	0 to 3	0 to 2.6
1 Light air.....	8	6.9
2 Light breeze.....	13	11.3
3 Gentle breeze.....	18	15.6
4 Moderate breeze.....	23	20.0
5 Fresh breeze.....	28	24.3
6 Strong breeze.....	34	29.5
7 Moderate gale.....	40	34.7
8 Fresh gale.....	48	41.6
9 Strong gale.....	56	48.6
10 Whole gale.....	65	56.4
11 Storm.....	75	65.1
12 Hurricane.....	90 { and over.	78.1 and over.

In order to simplify the code, no provision has been made for wind force greater than 9, strong gale, on the Beaufort Scale. Whenever winds of force greater than 9 occur, the number representing them is given in words instead of figures, thus: Ten, eleven, etc.

EXAMPLES OF CODE.

U S W B S 96465 T 91674 DB 94686 H 99886 C 01214
K 02622 P 03613 B 00065

Translation.

United States Weather Bureau.

Station.	Pressure.	Wind.	
		Direction.	Force. ¹
Sydney.....	29.64	SW	5
Nantucket.....	29.16	W	4
Delaware Breakwater.....	29.46	NW	6
Hatteras.....	29.98	NW	6
Charleston.....	30.12	N	4
Key West.....	30.28	NE	2
Pensacola.....	30.36	N	3
Bermuda.....	30.00	SW	5

¹ See Beaufort scale.

U S W B Du 95826 M 97635 U 00443 G 96046 Ch 95667
L 00644 D 00842 V 01054 F 01656

Translation.

United States Weather Bureau.

Station.	Pressure.	Wind.	
		Direction.	Force. ¹
Duluth.....	29.58	NE	6
Marquette.....	29.76	E	5
Sault Ste. Marie.....	30.04	SE	3
Green Bay.....	29.60	SE	6
Chicago.....	29.56	SW	7
Alpena.....	30.06	SE	4
Detroit.....	30.08	SE	2
Cleveland.....	30.10	S	4
Buffalo.....	30.16	S	6

¹ See Beaufort scale.

INTERNATIONAL MORSE CODE AND CONVENTIONAL SIGNALS.

[To be used for all general public service radio communication. (1) A dash is equal to three dots; (2) the space between parts of the same letter is equal to one dot; (3) the space between two letters is equal to three dots; (4) the space between two words is equal to five dots.]

A . —	Period . . . . .	.. . . .
B —	Semicolon	—
C —	Comma	—
D —	Colon	—
E	Interrogation . . . . .	. . . . .
F	Exclamation point	—
G —	Apostrophe	—
H	Hyphen	—
I	Bar indicating fraction	—
J	Parenthesis	—
K —	Inverted commas . . . . .	. . . . .
L	Underline . . . . .	. . . . .
M —	Double dash	—
N —	Distress Call . . . . .	. . . . .
O —	Attention call to precede every transmission	—
P —	General inquiry call	— —
Q —	From (de) . . . . .	. . . . .
R	Invitation to transmit (go ahead)	—
S	Warning—high power	—
T —	Question (please repeat after)—interrupting long messages . . . . .	. . . . .
U	Wait . . . . .	. . . . .
V	Break (Bk.) (double dash)	—
W —	Understand . . . . .	. . . . .
X —	Error . . . . .	. . . . .
Y —	Received (O. K.)	—
Z —	Position report (to precede all position messages)	—
Ä (German)	End of each message (cross) . . . . .	. . . . .
Å or Å (Spanish-Scandinavian)	Transmission finished (end of work) (conclusion of correspondence) . . . . .	. . . . .
CH (German-Spanish)		
É (French)		
Ñ (Spanish)		
Ö (German)		
Ü (German)		
1		
2		
3		
4		
5		
6		
7		
8		
9		
0		

LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATION—Continued.

Abbreviation.	Question.	Answer or notice.
QRX	Shall I stand by?.....	Stand by. I will call you when required.
QRY	When will be my turn?.....	Your turn will be No.
QRZ	Are my signals weak?.....	Your signals are weak.
QSA	Are my signals strong?.....	Your signals are strong.
QSB	Is my tone bad?.....	The tone is bad.
	Is my spark bad?.....	The spark is bad.
QSC	Is my spacing bad?.....	Your spacing is bad.
QSD	What is your time?.....	My time is
QSF	Is transmission to be in alternate order or in series?	Transmission will be in alternate order.
QSG		Transmission will be in series of 5 messages.
QSH		Transmission will be in series of 10 messages.
QSJ	What rate shall I collect for	Collect
QSK	Is the last radiogram canceled?.....	The last radiogram is canceled.
QSL	Did you get my receipt?.....	Please acknowledge.
QSM	What is your true course?.....	My true course is degrees.
QSN	Are you in communication with land?.	I am not in communication with land.
QSO	Are you in communication with any ship or station (or: with)?	I am in communication with (through).
QSP	Shall I inform that you are calling him?	Inform that I am calling him.
QSQ	Is calling me?.....	You are being called by
QSR	Will you forward the radiogram?.....	I will forward the radiogram.
QST	Have you received the general call?..	General call to all stations.
QSU	Please call me when you have finished (or: at .. o'clock)?	Will call when I have finished.
QSV ¹	Is public correspondence being handled?	Public correspondence is being handled. Please do not interfere.
QSW	Shall I increase my spark frequency?.	Increase your spark frequency.
QSX	Shall I decrease my spark frequency?.	Decrease your spark frequency.
QSY	Shall I send on a wave length of meters?	Let us change to the wave length of meters.
QSZ	.....	Send each word twice. I have difficulty in receiving you.
QTA	.....	Repeat the last radiogram.

¹ Public correspondence is any radio work, official or private, handled on commercial wave lengths.



