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DEPARTMENT OF COMMERCE
BUREAU OF NAVIGATION
RADIO SERVICE

RADIO STATIONS OF THE
UNITED STATES

1915-1916
NEW
1915-1916
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EDITION JULY 1, 1915



WASHINGTON
GOVERNMENT PRINTING OFFICE
1915

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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.

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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.
KA A to KCZ..Germany and protectorates.	VAA to VGZ..Canada (British).
KDA to KZZ..United States.	VHA 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.	VT A 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	Graham & 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.
Boston, Mass.....	NAD	.....	O	N	U. S. Navy.
Bremerton, Wash. <i>See</i> Puget Sound.					
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) (3) }	{ 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	{PR PG}	N	Marconi Co.
Egegak, Alaska.	KMF	300, 600	P	X	North Alaska Sal- mon Co.
Esenada, 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. Army.

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.	Service.	Hours of operation.	Station controlled by—
Fort Shafter, Honolulu, Hawaii.	WZII	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..	WGII	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.	Service.	Hours of operation.	Station controlled by—
Karluk, Alaska.....	KHA				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. See 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	(?)	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, Waah...	NPE	600	PG	N	U. S. Navy.
North Truro, Mass. See 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	(?)	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 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.

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, Par- 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 Califor- nia 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. <i>See</i> 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. <i>See</i> 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.	KDN	300, 600	PG	(²)	Marconi Co.
San Pedro, Cal. <i>See</i> East San Pedro.	.....	.....	.....	.....	.....
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. . .	WIX	300, 450, 600	PR	(³)	C. C. Brown.
Tampa, Fla.....	WPD	300, 600	PG	7 a. m. to 10 p. m.	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.	Service.	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.
Ugaguk, Alaska. <i>See</i> 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.

¹ 9 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.	Service.	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.	Service.	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 Radio Telegraph 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.	.....
Arctusa.....	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 Radio Telegraph Co.
Atlanta.....	KGR	300, 600	.....	Cuba Improvement & S. S. Co.	.....
Atlantic.....	KIK	300, 600	PG	New York Intercocean & 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-ice.	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.	Marconi Co.
Balch.....	NII	300, 600	PG	Government.....	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.....	QQB	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...	
California.....	NCZ	300, 600	PG	Government.....	U. S. Navy.
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 & Caribbean 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	PG	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. Signaling 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.....	WVA	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. (Savannah 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—
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.
Communi-paw.....	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.
Costa 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 Rio.....	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. Ayres.	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. U. S. Navy.
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.....	U. S. Navy.
Goliah.....	WPG	300, 600	PG	Puget Sound Tug Boat Co.	Vessel owner.
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.
Gulflight.....	KUA	300, 600	PG	do.....	Marconi Co.
Gulfoll.....	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—
Hermoesa.....	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.	Service.	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.
Kansas.....	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.
Matinicoek.....	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.....	NJT	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.	Service.	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.
Minnesota.....	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.....	WXX	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. Signaling 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. Signaling 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.	Service.	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 & Tug-boat Co.	Marconi Co.
Oregonian.....	WKO	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Orion.....	NOC	300, 600	PG	Government.....	U. S. Navy.
Osceola.....	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.
Panaman.....	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.
Patasco.....	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.	Service.	Owner of vessel (line).	Station controlled by—
Pavlof.....	WNO	300, 600	PG	Pacific-American Fisheries.	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. Signaling 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....	Vessel owner.
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.....	KXH	300, 550, 600	PG	New England S. S. Co....	Nat. Elec. Signaling 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. Signaling 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. Signaling 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	.....	Sloan, Danenhower & Co.	.....
Ranger.....	NFU	300, 600	PG	Government.....	U. S. Navy.
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	.....	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	.....	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	.....	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.	Serv-ice.	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.....	KL V	300, 600	-----	San Mateo S. S. Corp. . . .	
San Pablo.....	KL W	300, 600	-----	San Pablo S. S. Corp. . . .	
San Pedro.....	KL X	300, 600	-----	San Pedro S. S. Corp. . . .	
San Ramon.....	WN W	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.....	KL G	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.....	KL O	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.....	WXK	600	PG	do.	U. S. Army.
Sialia.....	W FY	-----	-----	J. K. Stewart.	
Siberia.....	W WU	300, 600	PG	Pacific Mail S. S. Co. . . .	Marconi Co.
Siberia.....	KVS	300, 600	PG	Siberia 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.
Tarantula.....	KZT	750, 1000		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.....	NCB	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.
Ulysses.....	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.	Serv-ice.	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	PG	Government.....	U. S. Navy.
Vulcan.....	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.....	WMG	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	300, 600	PG	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	PG	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. Vessel owner.
Zapora.....	WPQ	300, 600	PG	International Fisheries Co.	
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		
KDD	Cartago..... b	KEQ	.....
KDE	Carrillo..... b	KER	Ramos..... b
KDF	Coppename..... b	KES	San Jacinto..... b
KDG	Parismina..... b	KET	Bolinas, Cal..... c
KDH	Heredia..... b		
KDI	Abangarez..... b	KEU	.....
KDJ	.....	KEV	.....
KDK	Atenas..... b		
KDL	Esparta..... b	KEW	.....
KDM	Maracaibo..... b	KEX	Los Angeles, Cal..... c
KDN	San Luis Obispo, Cal..... c		
		KEY	.....
KDO	.....	KEZ	Brazos..... b
KDP	Portland, Oreg..... c	KFA	City of Columbus..... b
		KFB	City of Atlanta..... b
KDQ	.....	KFC	City of Macon..... b
KDR	Marowijne..... b	KFD	City of Memphis..... b
KDS	Sixoala..... b		
KDT	Turrialba..... b	KFE	.....
KDU	Juneau, Alaska..... c	KFF	Frieda..... b
KDV	.....	KFG	.....
		KFH	Herman Frasch..... b
KDW	.....	KFI	I. D. Fletcher..... b
		KFJ	City of Augusta..... b
KDX	.....	KFK	City of Savannah..... b
KDY	.....	KFL	.....
KDZ	Zulia..... b	KFM	.....
KEA	Colorado..... b		
KEB	Sabine..... b	KFN	.....
KEC	Concho..... b		
		KFO	.....
KED	.....	KFP	Nacoochee..... b
KEE	Neches..... b		
		KFQ	.....
KEF	.....	
KEG	Rio Grande..... b	KFR	.....
KEH	Nueces..... b	KFS	San Francisco, Cal..... c
KEI	Medina..... b	KFT	Tasco..... b
KEJ	Alamo..... b	KFU	Lenta, Oreg..... c
KEK	San Marcos..... b		
		KFV	.....
KEL	.....	KFW	.....
KEM	Comal..... b	KFX	City of St. Louis..... 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	.....
KGA	Coamo..... b	KHT	Naknek, Alaska..... c
KGB	Carolina..... b	KHU	.....
KGC	.....	KHV	.....
KGD	Dacia..... b	KHW	.....
KGE	Westwego..... b	KHX	Heeia Point, Hawaii..... c
KGF	.....	KHY	.....
KGG	.....	KHZ	.....
KGH	Hollister, Cal..... c	KIA	Ardmore..... b
KGI	Oakland, Cal..... c	KIB	Muskogee..... b
KGJ	San Juan..... b	KIC	Standard..... b
KGK	.....	KID	Matinicock..... b
KGL	.....	KIE	Koko Head, Hawaii..... c
KGM	Mexicano..... b	KIF	Petrolite..... b
KGN	Albina, Oreg..... c	KIG	Pioneer..... b
KGO	Underwood, Wash..... c	KIH	Corning..... b
KGP	Ponce..... b	KII	Evangeline..... b
KGQ	.....	KIJ	.....
KGR	Atlanta..... b	KIK	Atlantic..... b
KGS	Senator Bailey..... b	KIL	Pacific..... b
KGT	J. L. Luckenbach..... b	KIM	.....
KGU	S. V. Luckenbach..... b	KIN	.....
KGV	.....	KIO	.....
KGW	.....	KIP	.....
KGX	.....	KIQ	.....
KGY	.....	KIR	.....
KGZ	.....	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	Wahiawa, 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	KLO	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
KKB	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	Communi-paw..... 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	KSC	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	Oaddo..... 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	Gulflight..... b	KVO	.....
KUB	.....	KVP	.....
KUC	.....	KVQ	.....
KUD	.....	KVR	Sarnia..... b
KUE	Gulfc coast..... 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		
KXF	New Hampshire..... b	KZB	.....
KXG	.....	KZC	.....
KXH	Plymouth..... b	KZD	Emeline..... b
KXI	Priscilla..... b	KZE	Nemo..... b
KXJ	Providence..... b		
KXK	.....	KZF	.....
KXL	City of Taunton..... b	KZG	Owera..... b
KXM	Mohegan..... b	KZH	Sultana..... b
KXN	New Haven..... b		
		KZI	.....
KXO	.....	
KXP	Pequonnock..... b	KZJ	.....
KXQ	Chester W. Chapin..... b		
KXR	Richard Peck..... b	KZK	.....
KXS	.....	KZL	.....
KXT	.....	KZM	.....
KXU	.....	KZN	Roamer..... b
KXV	.....	KZO	.....
KXW	.....	KZP	.....
KXX	.....	KZQ	.....
		KZR	Remlik..... b
KXY	.....	KZS	Santanta..... b
		KZT	Tarantula..... b
KXZ	.....	KZU	.....
KYA	Atalanta..... b		
KYB	North Wind..... b	KZV	.....
KYC	Corsair..... b		
KYD	Cyprus..... b	KZW	.....
KYE	Cassandra..... b		
KYF	Florence..... b	KZX	.....
KYG	Wild Duck..... b		
KYH	Aloha..... b	KZY	.....
KYI	Wakiva..... b		
KYJ	Sayonara..... b	KZZ	.....
KYK	Kismet..... b		
KYL	Lysistrata..... b	NAA	Arlington, Radio, Va..... c
KYM	Columbia..... b	NAB	Portland, Me..... c
KYN	Niagara..... b	NAC	Portsmouth, N. H..... c
KYO	Noma..... b	NAD	Boston, Mass..... c
KYP	Oneida..... b	NAE	Cape Cod, Mass..... c
KYQ	California..... b	NAF	Newport, R. I..... c
KYR	Karina..... b	NAG	Fire Island, Long Island, N. Y. c
		NAH	New York (Brooklyn), N. Y. c
		NAI	Philadelphia, Pa..... c
KYS	.....	
KYT	Vanadis..... b	NAJ	.....
KYU	Mohawk..... b	NAK	Annapolis, Md..... c
		NAL	Washington, D. C..... c
		NAM	Norfolk, Va..... c
		NAN	Beaufort, N. C..... c
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	Patapaco.....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	NOX	Peoria.....b
NNL	.....	NOY	Perkins.....b
NNM	Saturn.....b	NOZ	Perry.....b
NNN	.....	NPA	Petrel.....b
NNO	.....	NPB	Cordova, Alaska.....c
NNP	.....	NPC	Sitka, Alaska.....c
NNQ	.....	NPD	Puget Sound, Wash.....c
NNR	.....	NPE	Tatoosh, Wash.....c
NNS	.....	NPF	North Head, Wash.....c
NNT	.....	NPG	Cape Blanco, Oreg.....c
NNU	.....	NPH	Yerba Buena, Cal.....c
NNV	.....	NPI	Mare Island, Cal.....c
NNW	.....	NPJ	Farallons, Cal.....c
NNX	.....	NPK	Balboa, Panama.....c
NNY	.....	NPL	Point Arguello, Cal.....c
NNZ	.....	NPM	San Diego, Cal.....c
NOA	Osceola.....b	NPN	Honolulu, Hawaii.....c
NOB	Abarenda.....b	NPO	Guam, Marianne Islds.....c
NOC	Orion.....b	NPP	Cavite, P. I.....c
NOD	.....	NPQ	Peking, China.....c
NOE	.....	NPR	St. Paul, Pribilof Islds., Alaska.....c
		NPS	Dutch Harbor, Alaska.....c
		NPT	Kodiak, Alaska.....c
		NPU	Olongapo, P. I.....c
		NPW	Tutuila, Samoa.....c
			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	Androskoggin..... 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	Syph..... 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	Tallahpoosa..... 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
NWW	.....	NYE	H-3..... b
NWX	.....	NYF	K-1..... b
NWY	.....	NYG	K-2..... b
NWZ	.....	NYH	K-3..... b
NXA	.....	NYI	K-4..... b
NXB	.....	NYJ	K-5..... b
NXC	.....	NYK	K-6..... b
NXD	.....	NYL	K-7..... b
NXE	.....	NYM	K-8..... b
NXF	.....	NYN	.....
NXG	.....	NYO	.....
NXH	.....	NYP	.....
NXI	.....	NYQ	.....
NXJ	.....	NYR	.....
NXK	.....	NYS	.....
NXL	.....	NYT	.....
NXM	.....	NYU	.....
NXN	.....	NYV	.....
NXO	.....	NYW	.....
NXP	.....	NYX	.....
NXQ	.....	NYZ	.....
NXR	.....	NZA	.....
NXS	E-1..... b	NZB	.....
NXT	E-2..... b	NZC	.....
NXU	F-1..... b	NZD	.....
NXV	F-2..... b	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	.....
WOW	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	WFO	.....
WDZ	.....	WFW	Manitou..... b
WEA	City of Cleveland III..... b	WFX	Missouri..... b
WEB	City of Mackinac II..... b	WGY	Sialia..... b
WEC	City of Detroit II..... b	WFZ	.....
WED	Western States..... b	WGA	City of Seattle..... b
WEE	Eastern States..... b	WGB	.....
WEF	City of Detroit III..... b	WGC	.....
WEG	City of St. Ignace..... b	WGD	.....
WEH	City of Alpena II..... b	WGE	Spokane..... 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
W GK	.....	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	.....
W GZ	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	.....	WMU	.....
WLB	.....	
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	WOW	Venetia.....b
WNE	Nushagak.....b	WOX	.....
WNF	Hattie Luckenbach.....b	WOY	.....
WNG	.....	WOZ	.....
WNH	Lewis Luckenbach.....b	WPA	Santa Cruz.....b
WNI	.....	WPB	.....
WNJ	Navajo.....b	WPC	.....
WNK	Al-Ki.....b	WPD	Tampa, Fla.....c
WNL	Diamond Head.....b	WPE	Tatoosh.....b
WNM	Florence Luckenbach.....b	WPF	.....
WNN	Corwin.....b	WPG	Goliah.....b
WNO	Pavlof.....b	WPH	S. M. Fischer.....b
WNP	Pleiades.....b	WPI	.....
WNQ	.....	WPJ	.....
WNR	.....	WPK	.....
WNS	Kvichak.....b	WPL	.....
WNT	New York, N. Y.....c	WPM	.....
WNU	New Orleans, La.....c	WPN	.....
WNV	Portland.....b	WPO	.....
WNW	San Ramon.....b	WPP	.....
WNX	Northland.....b	WPQ	Zapora.....b
WNY	St. Helens.....b	WPR	Ensenada, P. R.....c
WNZ	.....	WPS	Starr.....b
WOA	Despatch.....b	WPT	Tilicum.....b
WOB	.....	WPU	.....
WOC	.....	WPV	.....
WOD	.....	WPW	.....
WOE	.....	WPX	Oneonta.....b
WOF	.....	WPY	Wallula.....b
WOG	.....	WPZ	.....
WOH	Expansion.....b		
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 Princesa, P. I..... c
WTP	Scranton, Pa..... c	WVW	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	.....
WTU	S. O. Co. No. 91..... b	WWA	China..... b
WTV	Captain A. F. Lucas..... b	WWB	Beaver..... b
WTFW	Maverick..... b		
WTX	Asuncion..... b	WWC	.....
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	WWO	.....
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	WXK	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.					

¹ 9 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.	Serv-ice.	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. Purcell.
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.
Illiopolis, 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.	Service.	Hours of operation.	Station controlled by —
New York, N. Y.	2XG	300, 350, 600, 850, 1800, 2500	P	X	Radio Telephone & Telegraph Co.
New York, N. Y.	2XM	600, 1845, 2220, 2630	P	X	John H. Morecroft (Columbia University).
New York, N. Y.	2XR	(*)	P	X	Marconi Co.
New York, N. Y.	2XU	300, 600, 2000, 40000*	P	X	Peter Cooper Hewitt.
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. . . .	2ZP	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. Richardson.
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. Aylsworth.
San Francisco, Cal. . . .	6XD	300, 600, 2500 3000	P	X	Dwyer Wireless Telephone & Telegraph 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 Instrument 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. Waterman.
Takoma Park, Md ...	3XB	500, 2000	P	X	Bliss Electrical School.
Trinidad, Colo.....	9ZB	450, 500, 750	P	X	E. A. Smith (Signal 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.
			Seventh district:
2XG	New York, N. Y.	7XK	Seattle, Wash.
2XH	New York, N. Y.	7XL	Bremerton, Wash.
2XI	Schenectady, N. Y.	7XM	Seattle, Wash.
2XL	Aldene, N. J.	7XU	Algona, Wash.
2XM	New York, N. Y.		Eighth district:
2XN	New York, N. Y.	8XA	Ann Arbor, Mich.
2XR	New York, N. Y.	8XW	Warren, Ohio.
2XT	Steamship "Tyler."	8YA	Auburn, N. Y.
2XU	New York, N. Y.	8YC	Ithaca, N. Y.
2XW	Summit, N. J.	8YI	Pittsburgh, Pa.
2YS	New York, N. Y.	8YL	Lima, Ohio.
2ZB	Schenectady, N. Y.	8YO	Columbus, Ohio.
2ZH	Nutley, N. J.	8YP	Athens, Ohio.
2ZP	Port Chester, N. Y.	8ZB	Buffalo, N. Y.
	Third district:	8ZC	Battle Creek, Mich.
3XB	Takoma Park, Md.	8ZF	Cincinnati, Ohio.
3XC	Philadelphia, Pa.	8ZH	Cincinnati, Ohio.
3XJ	Philadelphia, Pa.	8ZK	Kane, Pa.
3XR	Hyattsville, Md.	8ZM	Springfield, Ohio.
3YM	Washington, D. C.	8ZN	New Castle, Pa.
3YN	Washington, D. C.	8ZS	Wilkes-Barre, Pa.
3ZD	Riverdale, Md.	8ZT	Tiffin, Ohio.
3ZF	Friendship Heights, D. C.	8ZU	Hamilton, Ohio.
3ZH	Washington, D. C.	8ZW	Wheeling, W. Va.
3ZK	Richmond, Va.	8ZX	Canal Dover, Ohio.
3ZR	Quarantine, Curtis Bay, Md.		Ninth district:
3ZS	St. David's, Pa.	9XA	Rapid City, S. Dak.
		9XB	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.		Agricultural College, N. Dak.
9XD	Valparaiso, Ind.	9YG	Chicago, Ill.
9XH	Kansas City, Mo.	9YH	Ames, Iowa.
9XK	Kansas City, Mo.	9YI	St. Louis, Mo.
9XL	Burlington, Iowa.	9YR	Lake Geneva, Wis.
9XM	Madison, Wis.	9YW	Lake Geneva, Wis.
9XN	Grand Forks, N. Dak.	9YX	Denver, Colo.
9XP	Lawrence, Kans.	9ZA	Denver, Colo.
9XR	Rock Island, Ill.	9ZB	Trinidad, Colo.
9XV	St. Louis, Mo.	9ZD	Denver, Colo.
9YA	Iowa City, Iowa.	9ZE	Minneapolis, Minn.
9YE	Wichita, Kans.	9ZK	Illioopolis, Ill.
9YF	Fargo, N. Dak.	9ZS	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	Bayliiss, 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	Beerling, 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	Burdwood, 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	Campfield, 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	Cogrove, Fred J.....	57 Cedar St., Taunton, Mass.....	500
1BX	Courtney, Frank T.....	South Ryegate, Vt.....	25
1DE	Cowles, Willard B.....	94 W. Main St., Plainville, Conn.....	50
1GE	Cressy, Dustin G.....	233 E. Fellsway, 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.....	26 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	Fitta, Harold W.....	2 Park St., Barrs, 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. Watts.
IPV	Folsom, Rolfe A.....	76 Rockland Ave., Malden, Mass.....	75
IGX	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	Gerish, 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	Haffecke, 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 Harborview 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	Jeppson, Warren F.	3 Perkins St., Melrose, Mass.	500
1UE	Jette, George E.	161 Summer St., Central Falls, R. I.	1,000
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.	500
1IN	Lamson, Horatio W.	10 Oakland Ave., Arlington Heights, Mass.	250
1GD	Lane, Frederic A.	7 Madison Ave., Gloucester, Mass.	18
1JZ	Lanouette, Kenneth H.	21 Houston Ave., Milton, Mass.	30
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. Watts.
1TZ	Lisker, William	141 Chester Ave., Providence, R. I.	24
1PK	Loheed, William J., jr.	12 Clifton Ave., Campello, Mass.	.....
1BM	Lomnitzer, 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 H.	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	Merrow, 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
1HO	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
1CK	Onens, Clarence E.....	820 Front St., Chicopee, Mass.....	100
1DS	Ostlund, Axel F.....	559 Broad St., Hartford, Conn.....	100
1MO	Ostrander, Freeman K., jr.	78 Charles St., Springfield, Mass.....	500
1WK	Palmer, Rae C.....	320 Wethersfield Ave., Hartford, Conn.....	550
1RC	Papkee, Edward D.....	18 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	Petty, 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	Prantis, 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	Purcell, 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	Radio, 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., Medford, 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. <i>Watts.</i>
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	Runcy, 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.....	36
1DX	Sandreuter, Stuart.....	Stamford, Conn.....	784
1HL	Sargent, Frederick G.....	Westford, Mass.....	100
1QB	Saunders, George B.....	52 Francis St., Boston, Mass.....	24
1WR	Sawtelle, Donald F.....	184 Gilbert Ave., New Haven, Conn.....	440
1HK	Sayward, Lyman W.....	253 Belmont St., Quincy, Mass.....	280
1VX	Schmidt, Paul.....	54 Oak St., Hartford, Conn.....	10
1DH	Schrump, Francis E.....	58 Fairview St., New Britain, Conn.....	250
1AH	Schultz, W. R.....	3 Hawks Ave., Eastport, Me.....	100
1LM	Scott, Kenneth G.....	27 E. Allston St., Somerville, Mass.....	250
1LT	Scott, Ralph A.....	952 Franklin St., Melrose Highlands, Mass.....	250
1NO	Sharpe, Floyd H.....	260 Tinkham Ave., New Bedford, Mass.....	50
1IU	Shattuck, George E.....	227 Broad St., North Attleboro, Mass.....	21
1BN	Shaw, Raymond H.....	10 E. Washington St., Rutland, Vt.....	1,000
1DC	Sheehan, Walter J.....	40 Terrace Ave., Waterville, Conn.....	20
1AV	Sherman, Calvin A.....	80 Camden St., Rockland, Me.....	360
1GG	Shirt, Arthur G.....	18 Augustus St., Fall River, Mass.....	12
1RX	Shorey, G. Faxon.....	249 Grove St., Melrose, Mass.....	24
1SA	Sias, Cyril W.....	246 Oakland St., Springfield, Mass.....	660
1WO	Simkin, Colin.....	44 High St., Hartford, Conn.....	25
1HD	Simmonds, Earle G.....	185 S. Main St., Attleboro, Mass.....	300
1DF	Simsbury High School.....	Simsbury, Conn.....	36
1RQ	Sistare, Donald B.....	48 Forest St., Springfield, Mass.....	250
1VI	Slawson, Spencer W.....	Brookside Drive, Greenwich, Conn.....	100
1JH	Sleeper, Dorman D.....	327 Broadway, South Boston, Mass.....	100
1AD	Smith, Edward S. C.....	55 South St., Biddeford, Me.....	250
1OO	Smith, Kirk E.....	300 Park St., West Springfield, Mass.....	160
1VT	Smith, Lewis J.....	112 Chestnut St., Norwich, Conn.....	80
1EK	Snow, Albert E.....	Orleans, Mass.....	715
1JF	Snow, Albert E.....	30 Carry Ave., Chelsea, Mass.....	250
1GA	Snow, Harold C.....	41 Paradise Rd., Swampscott, Mass.....	100
1RT	Snow, Raymond A.....	19 Gage St., Needham, Mass.....	250
1BT	Somerville, Paul S.....	32 Cliff St., St. Johnsbury, Vt.....	180
1TJ	Soney, Henry C.....	292 Oxford St., Providence, R. I.....	45
1OV	Southwick, Arthur M.....	176 Waban Ave., Waban, Mass.....	500
1TE	Sparrow, Edward C.....	Jamestown, R. I.....	100
1QX	Spaulding, Ralph H.....	14 Alberta Ter., Cambridge, Mass.....	100
1QT	Sperling, John G., jr.....	23 County St., Ipswich, Mass.....	500
1FG	Spinney, Charles E.....	24 Winter St., Sanford, Me.....	250
1EN	Spring, Joseph H.....	Newton Lower Falls, Mass.....	500
1OW	Stackhouse, Walter T.....	86 Crescent Ave., Revere, Mass.....	450
1AA	Stackpole, Leroy E.....	53 River St., Sanford, Me.....	

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

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
1TU	Stackpole, Nelson B.....	725 Mineral Spring Ave., Pawtucket, R. I.	250
IVR	Stagg, Uberto K.....	Noroton Heights, Conn.....	10
1WP	Stallworth, Henry H.....	50 Liberty St., Hartford, Conn.....	8
1GZ	Stansfield, Arthur C.....	17 Montgomery St., Lawrence, Mass.....	40
1IB	Stanyan, Starr W.....	76 Boston Ave., West Medford, Mass.....	500
1LU	Staples, Loyed E.....	145 Matfield St., East Bridgewater, Mass..	20
1TQ	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	Sutchliffe, 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.....	.....
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 H.....	5 Dartmouth St., Newport, R. I.....	100
1EA	Tillinghast, George H.....	373 Knight St., Providence, R. I.....	300
1OP	Tillson, Francis M.....	67 Dover St., Whitman, Mass.....	.....
1JN	Towne, Harold M.....	55 Edward Ave., Pittsfield, Mass.....	640
1HB	Travis, Gerald E.....	63 Tracey Ave., Lynn, Mass.....	20
1NP	Travis, Gerald E.....	38 Montebello Rd., Jamaica Plain, Mass.....	.....
1LV	Tufts, J. Warren.....	11 Clarendon Ave., West Somerville, Mass.	250
1JJ	Tufts Wireless Society...	Medford, Mass.....	500
1UK	Tutin, Kenneth A.....	312 Blackston St., Woonsocket, R. I.....	100
1JW	Tuttle, William O.....	146 Pearl St., Somerville, Mass.....	18
1OI	Tyrell, Alanson B.....	8 Ellis Ave., Medford, Mass.....	105
1KV	Veeder, Chester F.....	Goswold, Mass.....	100
1VB	Verhyla, Albert E.....	7 Center St., Danbury, Conn.....	100
1VS	Viets, Grohman.....	East Granby, Conn.....	30
1PF	von Colln, Gustaf.....	44 Flynt St., Quincy, Mass.....	125
1SM	Wadland, Victor N.....	16 Lynde Ave., Melrose, Mass.....	500
1QC	Wadsworth, Arthur G.....	Eastham, Mass.....	100
1VE	Walker, Alva S.....	69 Dearfield Drive, Greenwich, Conn.....	250
1IV	Walker, Edward C., 3d.....	60 Fenway St., Boston, Mass.....	150
1KC	Wallace, Ralph H.....	1192 Morton St., Dorchester, Mass.....	45
1JM	Walter, Elmer H.....	39 Cleveland St., Melrose, Mass.....	10
1BW	Walton, Harold F.....	104 Elm St., Montpelier, Vt.....	100
1TC	Ward, J. Stedman.....	16 John St., Newport, R. I.....	500
1IP	Ware, Stanley P.....	75 Winthrop St., Everett, Mass.....	300
1MU	Warren, Bertram E.....	103 Lexington St., Waltham, Mass.....	250
1JI	Watson, Paul W.....	17 Waverly St., Everett, Mass.....	200
1EB	Watson, William F., jr.....	112 2d St., Newport, R. I.....	16

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

Call signal.	Owner of station.	Location of station.	Power.
1FZ	Weber, John H.....	12 Russell St., Lewiston, Me.....	83 <i>Watts.</i>
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	Yuon, 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	Lomnitzer, Frank W.
1AH	Schultz, W. R.	1BN	Shaw, Raymond H.
1AI	Perry, Horace R.	1BO	Reed, Sherman A.
1AJ	Fabbri, 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	Clafin, 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, Harry 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	Morrow, Elmer R.
1DL	Steele, Maitland.	1FS	Naah, 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	Fisk, 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	Hammett, 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 H.
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, Willfred 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	Beerling, 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.	1OH	Flanders, Fred F.
1LY	Moulton, Albert B.	1OI	Tyrrell, Alanson B.
1LZ	Murphy, Dudley B.	1OJ	Beecher, George E.
1MA	Irwin, Samuel D.	1OM	Payson, Gilbert R., jr.
1MB	Boudette, Clayton M.	1ON	Radio, George U.
1MC	Baylies, Milton A.	1OO	Smith, Kirk E.
1MD	Ziegler, Alfred A., jr.	1OP	Tillson, Francis M.
1ME	Angell, Otis P.	1OQ	Struthers, Francis W.
1MG	Goodwin, A. R.	1OS	Copland, H. Depew.
1MH	Griffin, Barte J., jr.	1OT	Heap, Sheldon S.
1MI	Birdsall, Elmer S.	1OV	Southwick, Arthur M.
1MJ	Judkins, Nathaniel B.	1OW	Stackhouse, Walter T.
1MK	Johnson, Thurston A.	1OX	Tarr, Melville S.
1ML	Lyon, William H.	1OY	Zwinge, Conrad J.
1MM	Wood, Manson E.	1OZ	Doe, Charles S.
1MN	Pennell, Leon	1PC	Drake, Ervin T., jr.
1MO	Ostrander, Freeman K., jr.	1PD	Whittier, Ellerton W.
1MP	Pursell, 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.	1QJ	Black, William R.
1NP	Travis, Gerald E.	1QK	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 C.	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	West, 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, Foeter 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	Baylies, Joseph.	1VI	Slawson, Spencer W.
1SQ	Hayes, Clifford R.	1VL	Bellknap, 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	Hoggson, Wallace.
1WR	Sawtelle, Donald F.	1WZ	Bradin, 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	Arany, 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., Kingston, 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	Betta, 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, Gerhardt.	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, Edmund.	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.
2ADY	Cooper, William S.	566 53d St., Brooklyn, N. Y.	24
2HF	Coote, 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
2KK	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
2II	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>
2AEH	Edwards, Joseph B.	236 Linden Ave., Brooklyn, N. Y.	500
2LE	Egolf, Richard S.	1060 41st St., Brooklyn, N. Y.	20
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
2ADH	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.	280
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.	54 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. Watts.
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.	30
2ABX	Helken, Emil W.	430 Mott Ave., New York, N. Y.	38
2FW	Hellman, Abraham E.	424 E. 138th St., New York, N. Y.	18
2PJ	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.	Catekill, 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. Watts.
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.....	365
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 Montros 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	Kienzle, 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	Knopi, 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., Peckskill, 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.....	434 Bergen St., Brooklyn, N. Y.....	38
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
2WII	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
2ADDZ	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	Pieifer, Clarence H.....	306 Prospect St., Ridgewood, N. J.....	550
2NZ	Pfeil, A. Leslie.....	212 Cottage St., Irvington, N. Y.....	325
2WJ	Pflomm, 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. <i>Watts.</i>
2WT	Poole, William C.	53 Maple St., Yonkers, N. Y.	32
2PF	Pope, Frederick B.	24 Carroll St., Yonkers, N. Y.	440
2AEY	Poppele, 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	Roy, James A. S.	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	Schaeffer, Adolph.	1487 Nostrand Ave., Brooklyn, N. Y.	105
2AAN	Schack, 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 Watts.
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	Scotfield, 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.	1,000
2NM	Sharp, Watkin W.	Far Rockaway, N. Y.	550
2ABJ	Shaughnessy, Jack F.	7 Jones Pl., Yonkers, N. Y.	250
2PZ	Shaw, Horace S.	391 St. Johns Pl., Brooklyn, N. Y.	550
2CG	Shield, Frederic K.	23 Second Ave., Highland Park, N. J.	30
2OU	Siebert, Walter.	1538 E. 15th St., Brooklyn, N. Y.	750
2GV	Siegmann, Harry E.	36 Davis St., Hempstead, N. Y.	18
2AAD	Silleck, William C.	422 Willis Ave., New York, N. Y.	30
2GR	Slagel, E. Lester.	25 S. 2d Ave., Mt. Vernon, N. Y.	130
2MK	Smith, Daniel W.	South St., Oyster Bay, N. Y.	36
2AFX	Smith, Edward J.	327 E. 27th St., New York, N. Y.	24
2AGF	Smith, Jocelyn E.	444 W. 163d St., New York, N. Y.	500
2DU	Smith, Joseph T.	126 E. 114th St., New York, N. Y.	250
2LK	Smith, J. Owen.	Valley Stream, N. Y.	12
2JP	Smith, Julius J. R.	807 Lincoln Pl., Brooklyn, N. Y.	15
2ER	Smith, Loughran S.	18 Maiden Lane, Kingston, N. Y.	1,000
2JO	Smith, Nelson V.	Lawrence, N. Y.	15
2AEU	Smith, Ralph C.	129 N. 14th St., East Orange, N. J.	18
2ABQ	Smith, Robert W.	152 Croton Ave., Ossining, N. Y.	25
2KH	Solberg, Walter.	620 46th St., Brooklyn, N. Y.	550
2GC	Sonn, Albert E.	150 2d Ave., Newark, N. J.	960
2RP	Sorgens, Walter M.	65 Odell St., Schenectady, N. Y.	30
2KZ	Spaulling, Kenneth W.	501 Argyle Rd., Brooklyn, N. Y.	1,000
2IM	Spangenberg, Lester.	25 S. 4th St., Lakeview, N. J.	500
2WP	Spannaus, Charles O.	660 W. 180th St., New York, N. Y.	30
2FD	Spiegel, Walter.	1611 1st Ave., New York, N. Y.	24
2RF	Springer, C. Meredith.	339 Union St., Far Rockaway, N. Y.	30
2AAH	Srebroff, Carl.	443 E. 88th St., New York, N. Y.	224
2FS	Stanley, Howard L.	Babylon, N. Y.	18
2AGS	Stanton, Walter A.	782-A Hancock St., Brooklyn, N. Y.	20
2AEE	Starrett, John.	440 McDonough St., Brooklyn, N. Y.	500
2VW	Steinkamp, Harold.	89 Hyatt Ave., Yonkers, N. Y.	500
2LM	Stellman, Alfred.	New Bridge, N. J.	1,000
2AFF	Sterns, Morton W.	705 W. 179th St., New York, N. Y.	25
2AFL	Stevens, Fred.	15 Wood Pl., Yonkers, N. Y.	220
2UZ	Stewart, G. Edwin.	45 Hillside Ave., Rockville Center, N. Y.	1,000
2ADA	Stimpson, Warren E.	1933 Daly Ave., New York, N. Y.	60
2AAC	Storrs, William K.	513 E. 144th St., New York, N. Y.	72
2JA	Story, Robert K., jr.	212 Hancock St., Brooklyn, N. Y.	36
2AEV	Strauss, Maurice B.	568 5th St., Brooklyn, N. Y.	15
2LV	Stutz, E. Waldo.	126 Bainbridge St., Brooklyn, N. Y.	18
2JG	Tannenbaum, Harold J.	835 W. 113th St., New York, N. Y.	1,000
2AEL	Tannenbaum, Samuel.	86 Warburton Ave., Yonkers, N. Y.	500
2GS	Taylor, George W.	171 Alden St., Orange, N. J.	

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

Call signal.	Owner of station.	Location of station.	Power.
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	Traffet, 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.
2AB	Hydc, George G.	2ACW	Hattermuller, Theodore.
2ABA	Myers, Austin S.	2ACX	Beeken, William S.
2ABB	Held, William J.	2ACY	Miller, Fred W.
2ABC	Woolcott, James V.	2ACZ	Terhune, Frank.
2ABD	Bilms, Charles A.	2AD	Dammers, Albert.
2ABE	Frost, Jacob.	2ADA	Stimpson, Warren E.
2ABF	Crozier, Edward A.	2ADB	Cawman, David L.
2ABG	Runyon, Carman R., jr.	2ADC	Humphreys, Ferdinand.
2ABH	Kavanagh, John.	2ADD	Gelina, C. J.
2ABI	Everitt, William L.	2ADE	Eckler, Harry D.
2ABJ	Shaughnessy, Jack F.	2ADG	Rosa, Harry D.
2ABK	Van Meerbeke, C. J., jr.	2ADH	Escrish, James P.
2ABL	Weigand, Daniel.	2ADI	Mitchell, Clifford E.
2ABM	Magennis, Arthur K.	2ADJ	Schmitt, George P.
2ABN	Trube, Carl E.	2ADL	Hunkins, Carl J.
2ABO	Dodd, H. Hanson.	2ADM	Crosby, Warner N.
2ABQ	Smith, Robert W.	2ADN	Gutmann, Bernard.
2ABR	Lorini, Osmun W.	2ADO	Vrooman, Max M.
2ABS	Mack, Burtis D.	2ADP	Davis, Clarence F.
2ABT	Hulse, L. Mortimer.	2ADQ	Felix, Edgar.
2ABU	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	Schlone. 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.
2AEL	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	Crinnon, 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	Griehaber, 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	Prosser, Roger D.
2AFV	Halsey, Edward G., jr.	2CE	Dain, John W.
2AFW	Hornung, Julius L.	2CF	Trafflet, 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	Weise, 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 Duynes.
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	Wandres, 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 Protectory.
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, Leslie S.
2HX	Lane, David M.	2KJ	Cummings, Frank X.
2HY	Muckenhaupt, Carl F.	2KK	Day, Howard B.
2HZ	Youmans, Chester.	2KL	Gregory, Arthur V.
		2KM	Francis, Charles E.
2IA	Royce, Winfred A.	2KN	Collison, Percy B.
2IB	Feepey, Walter.	2KR	Hallenbeck, Charles.
2IC	Faraon, Adolph J.	2KT	Robertson, Merle E.
2IE	Lemmon, Walter S.	2KU	Oehmen, Oscar.
2IF	Miller, Eugene B.	2KV	Varetoni, Wm.
2IG	Corwin, George E.	2KW	Plummer, James A.
2IH	Howell, Walter J.	2KX	Kilmer, Theron W.
2IK	Jensen, Martin.	2KY	Goodchild Electrical Co.
2IL	McClintock, George C.	2KZ	Spalding, Kenneth W.
2IM	Spangenberg, Lester.		
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.
		2LM	Stellman, Alfred.
2JA	Story, Robert K., jr.	2LN	Morrison, Clifford P.
2JC	Hawkins, Ernest W.	2LO	Baker, William N.
2JD	Boeder, Arthur R.	2LP	Green, Raymond J.
2JE	Wendelstadt, Lucius F.	2LQ	Belt, Charles B.
2JF	Frey, Anthony C.	2LS	Jablousky, William.
2JG	Tannnbaum, Harold J.	2LT	Galvin, Lee R.
2JH	Brown, David S., jr.	2LV	Stutz, E. Waldo.
2JI	Eddy, Leonard E.	2LW	Breen, Thomas J.
2JJ	Landshof, R. W.	2LX	Adelphi College.
2JK	Faraon, Rene J.	2LY	Hoover, Raymond.
2JL	Mylod, Frank V.	2LZ	Woodrow, William.
2JM	Rigby, Joseph, jr.		
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	Caakey, Kenneth B.
2NQ	Isaacson, Charles B.	2QP	Ward, John R.
2NR	Wohlmann, 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.).
			Reiss, Lester.
2OA	Hammond, Lester.	2RH	Cowper, Norman C.
2OB	Valladares, Frank N.	2RI	Porter, Charles A.
2OC	Erasmus Hall High School.	2RJ	Camp, Victor F.
2OD	Debuchy, Edmund A.	2RL	Underhill, Chester R.
2OE	Raynor, Sinclair L.	2RM	Dodds, Andrew C.
2OF	Meier, Robert A.	2RO	Sorgens, Walter M.
2OG	Meuke, Charles H.	2RP	Collinson, Jesse G.
2OH	Skliar, Joseph.	2RT	Fletcher, Jordon J.
2OI	Folks, Leslie E.	2RU	Johnson, W. Eugene.
2OJ	Horning, Robert H.	2RV	Baily, Hobart W.
2OL	O'Brien, Laurence J.	2RW	Picken, James C., jr.
2ON	Kellow, James C.	2RX	Veneman, Peter.
2OP	Prendergast, Robert M.	2RZ	
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, Gerhard.	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	Willetts, 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.	Page
3PC	Abbott, E. H. B.	417 Landis Ave., Vineland, N. J.	11
3FZ	Adam, William.	163 W. Thompson St., Philadelphia, Pa..	12
3QK	Adams, Leslie H.	828 Landis Ave., Vineland, N. J.	13
3CA	Adelberger, Adrian J. . . .	W. Wayne Ave., Wayne, Pa.	14
3ET	Alber, Robert C.	5018 Irving St., Philadelphia, Pa.	15
3WJ	Alden, John H.	124 Bryant St. NW., Washington, D. C. . .	16
3BM	Allen, George Y.	Bernardville, N. J.	17
3BD	Allen, Percival R.	Haverford, 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>
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., Pottstown, 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 Education.	Lehigh Ave. and 8th St., Philadelphia, Pa.	490
3FX	Bonsall, Thomas F.	213 Chester Ave., Glenolden, Pa.	18

100 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>
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	Brantin, 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	Brudenell, 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. Paxon 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
SMP	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
3AIN	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
3AA Y	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 Ne- mours 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	Fauce, 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

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

Call signal.	Owner of station.	Location of station.	Power. Watts.
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	Fink, 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	Flather, 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., Wash- ington, D. C.....	60
3WO	Goodwin, Harold F.....	244 Erie 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....	251
3QO	Hake, Elias G.....	614 Goepp 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 Judeon 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	Hasenfus, 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	Herndon, Landon 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.
			<i>Watts.</i>
3AHL	Hunter, Clarence B.	256 Linden St., Moorestown, N. J.	60
3TE	Huyette, Paul B.	4608 Wayne Ave., Philadelphia, Pa.	60
3WFF	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	Kenyon, 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	Laferty, 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	Lehmborg, 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. Watts.
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 H.....	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.
			<i>Watts.</i>
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 H.	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 Perkasie, 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
3AFP	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
3ADP	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	Peysler, Philip S.	3208 West Ave., Newport News, Va.	24
3PW	Philadelphia School of Wireless Telegraphy.	Broad & Cherry Sts., Philadelphia, Pa.	495
3TX	Philadelphia Turngemeinde 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	Proutley, 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.....	73 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. Watts.
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
3HN	Schuck, Leon H.....	2441 N. 8th St., Philadelphia, Pa.....	550
3UU	Schuck, Leon H.....	Cape May, N. J.....	1,000
3AIK	Schuller, Byron S.....	28 S. Grant St., Waynesboro, Pa.....	20
3HQ	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.....	Grantham, Pa.....	45
3AIM	Sharp, Lewis W.....	322 Morgan Ave., Palmyra, N. J.....	50
3HP	Sheetz, George F.....	121 Oak St., Cumberland, Md.....	330
3EU	Shelley, F. Cheaton.....	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 Schuykill 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
3DII	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. Watts.
30F	Talbot, George L.	506 14th St., Highlandtown, Md.	165
3QL	Tapley, Robert E.	Hampton Court, Norfolk, Va.	18
3IIB	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.	Primos, 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. Iseminger 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	Leaky, William.	3AAV	Bechler, William C., jr.
3AAF	Bruđenell, Norman.	3AAW	Walthall, John H.
3AAG	Ross, William H.	3AAX	Hicks, Thomas R.
3AAH	Clayton, David J.	3AAY	Douglas, George S.
3AAI	Blake, 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	Krips, James A. C.
3AAN	Nicholls, Verne.	3ADE	Shafer, 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	Skifes, 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.
3AEE	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 R., jr.	3AIH	Bennum, George W., jr.
3AET	Horner, 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	Prutzman, 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, Waltham 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	Kunler, 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	Haenflus, 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.
3GO	Norcross, Earl L.	3JH	Brockman, Francis C.
3GQ	Miller, Kelly, jr.	3JI	Burdette, Aubrey W.
3GR	Wood, Richard M.	3JJ	Borgmann, Frederick J.
3GS	McCafferty, Rea B.	3JK	Schnable, Stanley E.
3GT	Searle, William J., jr.	3JL	McCaskey, Edward R.
3GU	Hopkins, Robert E.	3JM	Freedom, Leon.
3GV	Laber, Joseph M.	3JN	Frankenfield, Albert L.
3GX	Robinson, George C.	3JO	Hicks, A. Willett, jr.
3GY	Staub, James.	3JP	Rowe, Charles R.
3GZ	Backe, Louis M., jr.	3JQ	Benson, Thomas W.
		3JR	Snow, Harold A.
3HA	Wiseman, Luther B.	3JS	Beekley, Francis C.
3HB	Taylor, Sidney L. M.	3JT	Hampson, George M.
3HD	Haake, William F.	3JU	Fenimore, Robert S.
3HE	Parks, Laurence W.	3JW	Broadbent, J. Edward, jr.
3HF	Weiss, Simon.	3JX	Hoagland, Donald.
3HG	Smith, W. P.	3JY	Hann, Charles B.
3HH	Place, Samuel W.		
3HI	Stepp, John W.	3KA	Smith, Norborne G.
3HJ	Bradley, Horace E.	3KB	Goodall, Alfred E.
3HK	Stokes, Josiah T.	3KC	Flynn, Thomas F.
3HL	Nielsen, Harold, jr.	3KD	Noel, James F.
3HM	Hickman, Paul W.	3KF	Green, Anthony J.
3HN	Schuck, Leon H.	3KI	Stanley, John S.
3HO	Fithian, Wm. S., jr.	3KJ	Worrest, Howard A.
3HP	Sheetz, George F.	3KK	Hofmann, George A.
3HQ	Schuller, Joseph T.	3KL	Wagner, William H.
3HR	Harmer, Robert H.	3KM	Gray, Gerald.
3HS	Murray, Eugene M.	3KN	Barr, Richard H.
3HT	Falkenberg, August E.	3KO	Chalmers, Edwin L.
3HU	Witmer, Charles T.	3KP	Myers, Roy R.
3HW	Bidwell, George L.	3KQ	Wexler, Bernard.
3HX	Kratz, Herman A.	3KU	Reynolds, Edwin I.
		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	Croh, 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	Bassett, 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	Striely, Malcolm.	3RY	Turner, Morris C., jr.
3PR	Ramsay, E. Frank.	3RZ	Barrett, Montague W.
3PS	Holt, Clarence J.		
3PT	Creager, E. Clark.	3SA	Requa, Fred A.
3PU	Smith, Hubert H.	3SB	Van Hulsteyn, J. M. C.
3PV	Bunting, Theodore R.	3SC	Ecton, Albert F.
3PW	Philadelphia School of Wire- less Telegraphy.	3SD	Shafer, Albert G.
3PX	Howard, H. Trumbull.	3SE	Hyatt, C. Brown.
3PY	Bergey, H. Leon.	3SF	Peter, Armistead, 3d.
3PZ	Griffith, Elmer G.	3SG	Speakman, Edwin G., jr.
		3SH	Kenyon, Walter R.
3QA	O'Brien, Francis J.	3SI	Williams, Harvey.
3QB	Derbyshire, Agnew W.	3SJ	Glenn, Charles R.
3QC	Lanning, John M.	3SK	Baxley, C. Herbert.
3QD	Andersen, Frederick J.	3SL	Knoppel, Herman L.
3QE	Haig, J. Donald.	3SM	Burnett, A. Elmo.
3QF	Landis, Harold O.	3SN	Bourgeois, Edmund R.
3QG	Fusselman, John.	3SO	Bradshaw, R. B.
3QH	Cameron, Lloyd W.	3SP	Polk, Charles P.
3QI	Crowley, Robert H.	3SQ	Doughty, D. Roland.
3QJ	Adams, Leslie H.	3SR	Anderson, John A.
3QK	Tapley, Robert E.	3SS	Brany, Emil B.
3QL	Varnes, Earl W.	3ST	Chappell, Ralph R.
3QM	Zinszer, Harvey A.	3SU	Seeley, Alfred J.
3QN	Hake, Elias G.	3SV	Gerhart, Samuel R.
3QO	Fulton, Harold E.	3SW	Barnard, Julian W.
3QP	Cassady, Park H.	3SX	Gieske, Alfred W., jr.
3QQ	Underhill, Chester R.	3SY	Barretta, Valroy S.
3QR	Stubbs, Thomas H.	3SZ	Herdon, Landon C.
3QS	Cordeman, Roy C.		
3QT	Deichmann, George L., jr.	3TA	Piper, S. Webster.
3QU	Hall, Robert S.	3TB	Judson, Elbert B.
3QV	Harsch, Lawrence P.	3TC	Landis, Harry.
3QW	Worcester, Paul S.	3TD	Miller, Harry G.
3QX	Nees, Milton.	3TE	Huyette, Paul B.
3QY	Service, Charles A., jr.	3TF	Ebert, Burton E.
3QZ		3TG	Murphy, Clement H.
		3TH	Tabb, Vincent W.
3RA	Messinger, Miles B.	3TI	Nichols, Crawford V.
3RB	Lewis, Ellis.	3TJ	Edson, Howard D.
3RC	Fenton, Edward T.	3TK	Savage, Thomas A.
3RD	Dimling, Rudolph G. A.	3TL	Bowes, Joseph J.
3RE	Langaker, Abram.	3TM	Rash, Franklin L.
3RF	Wallace, William D.	3TN	Venn, Silas N.
3RG	Bowman, Philip W.	3TO	Pent, Robert E.
3RH	Kline, H. N. Gay.	3TP	Brittingham, Otis B.
3RI	Hodges, R. E. L.	3TQ	Andrews, Edward C.
3RJ	LaRue, Robert G.	3TR	Fell, David B.
3RK	Meyer, Howard J.	3TS	Turner, Alfred W.
3RL	McClellan, Frederick W.	3TT	Kindt, Charles F., jr.
3RM	Phillips, Albert L.	3TU	McAnally, Charles G.
3RN	Ramsey, Howard N.	3TV	Blanford, Irving.
3RO	Garver, Edwin H.	3TW	Leslie, Malcolm C.
3RP	Kirby, Elmer S.	3TX	Philadelphia Turngemeinde Club.
3RQ	Haas, Jerome S.		
3RR	Roeller, Harold C.	3TY	Krone, Julian E.
3RS	Vollten, Theodore F.	3TZ	Kellert, Charles.
3RU	Hoff, J. Marshall.		
3RV	Hammill, McClintock, jr.	3UA	Gilbert, Harry P., jr.
3RW	Redgrave, deWitt C.	3UC	Howell, S. Van S.
3RX	Nisley, Paul H.	3UD	Mundy, Elmer.

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	Nikirik, 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, Dorsey 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.	125
4CB	Allston, William F.	8 Colonial St., Charleston, S. C.	34
4BA	Avant, Marion C.	806 N. 4th St., Wilmington, N. C.	30
4CA	Babington, Kenneth.	Gastonia, N. C.	15
4BZ	Barber, Edward D.	508 13th St., Columbus, Ga.	165
4BX	Blackburn, Henry E.	1416 Price St., Savannah, Ga.	8
4CQ	Blankenship, Elliott E.	803 W. Monroe St., Jacksonville, Fla.	31
4CC	Bowles, Raymond A.	1909 10th Ave., Columbus, Ga.	20
4CH	Brannon, Stephen G.	208 13th St., Columbus, Ga.	20
4CS	Buck, C. Howard.	St. Petersburg, Fla.	31
4CI	Carr, John M.	821 1st Ave. N., St. Petersburg, Fla.	31
4CK	Clodfetter, Charles W.	41 S. Pleasant St., Winston-Salem, N. C.	55

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	Howald, 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 Verno 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., Wilmington, 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.

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	Bowlee, Raymond A.	4CS	Buck, C. Howard.
4CE	Conn, Albert L.	4CT	McIvaine, 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	Beynon, 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.	200
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	Mack, 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.	870
5AD	Rorshach, Harold E.	619 North E St., Muskogee, Okla.	450
5BN	Salzer, Harry S.	2322 N. Villere St., New Orleans, La.	15
5BY	Sams, Ernest E.	508 Market St., Muskogee, Okla.	495
5CC	Seiple, Gus A., jr.	55 Parham St., Mobile, Ala.	1,000
5CJ	Sharp, Harry M.	Central High School, Memphis, Tenn.	385
5AE	Snarr, Kenneth A.	1200 S. 10th St., Fort Smith, Ark.	1,000
5AT	Stone, Frank M.	7919 Jeannette St., New Orleans, La.	750
5AW	Stough, Robert A.	R. F. D. No. 1, Fort Smith, Ark.	330
5BU	Sweetman, Frank M.	930 N. 11th St., Waco, Texas.	660
5AP	Thompson, Vance M.	267 Pasadena Pl., Memphis, Tenn.	15
5CD	Tisdell, William L.	814 W. Okmulgee Ave., Muskogee, Okla.	125
5BA	Toups, Roy N.	1512 Ursuline St., New Orleans, La.	500
5CF	Uhalt, William J.	5933 Constance St., New Orleans, La.	250
5CA	Wilson, Harry T.	898 Saxon Ave., Memphis, Tenn.	495
5CN	Worner, Urban D.	1052 City Park Ave., New Orleans, La.	

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.	5CC	Bowling, James A.
5BF	Behre, Joseph C.	5CP	Moore, Frank C.
5BR	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.
6LF	Alexander, Lee.....	182 Flora St., Bell, Cal.....	Watt. 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. II.....	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	Besley, Stephen II.....	171 E. 7th St. South, Salt Lake City, Utah.....	500
6ABM	Bevitt, Edwin R.....	3914 3d St., San Diego, Cal.....	500
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.	Watts. 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. ....	.....
6CE	Clark, J. R.	2318 Bryant St., San Francisco, Cal.	880
6AU	Clark, Paul U.	898 S. 8th St., San Jose, Cal.	18
6NC	Clayberg, William J.	101 Isabel St., San Francisco, Cal.	500
6MK	Coates, Walton L.	3766 Chamcune Ave., East San Diego, Cal.	500
6AAF	Collins, Wayne A.	788 19th St., Oakland, Cal.	250
6LC	Comins, Frank L.	634 Balboa St., San Francisco, Cal.	500
6ABA	Connolly, Norman, jr.	3738 Cherokee St., East San Diego, Cal.	440
6CW	Cook, George W.	208 27th St., Ogden, Utah.	250
6OD	Cook, John A.	1504 Locust St., Long Beach, Cal.	250
6DI	Cookson, Howard A.	361 14th Ave., San Francisco, Cal.	550
6CA	Corby, Grant W.	1129 W. 6th St., Los Angeles, Cal.	330
6WC	Cornish, Warren D.	107 3d St., Pacific Grove, Cal.	1, 000
6CL	Cosby, Mark B.	356 Hobart Ave., Los Angeles, Cal.	100
6WQ	Cowles, John.	28 Butler Ave., San Francisco, Cal.	500
6AAY	Craig, Carl D.	142 N. Workman St., Los Angeles, Cal.	1, 000
6UP	Creswell, Frank, jr.	831 W. 58th Pl., Los Angeles, Cal.	1, 000
6NJ	Cunningham, Edward J.	Santa Clara, Cal.	330
6GD	Day, Elwin C.	4304 19th St., San Francisco, Cal.	500
6FD	Deardorf, Francis H.	Los Altos, Cal.	12
6AQ	De La Cruz, George.	706 W. San Carlos St., San Jose, Cal.	16
6UJ	Delius, Herbert A.	2057 Alameda Ave., Alameda, Cal.	500
6EN	de Neuf, Emil A.	1538 Russell St., Berkeley, Cal.	500
6KA	Dickey, Herbert A.	122 Dracena Ave., Piedmont, Cal.	275
6HD	Dickow, Henry W.	413 26th Ave., San Francisco, Cal.	500
6KL	Diehl, Fred.	348 Coleridge St., San Francisco, Cal.	100
6OK	Dillon, Lyle.	317 S. Norton Ave., Los Angeles, Cal.	750
6KE	Dogan, Kenneth.	1115 Cole St., San Francisco, Cal.	500
6WP	Donelson, William E., jr.	1215 West Ave., Eureka, Cal.	575
6VN	Dorcy, Ben H., jr.	190 Ocean View Ave., Santa Cruz, Cal.	250
6ARD	Dow, Clifford J.	Rye, Cal.	1, 000
6TD	Dowling, Thomas L.	1520 E. 17th St., Oakland, Cal.	100
6RG	Downs, Robert F.	1062 10th St., San Diego, Cal.	500
6PO	Drath, Walter J.	682 34th St., Oakland, Cal.	250
6AHT	Dunn, Frederick J.	169 Ellington Ave., San Francisco, Cal.	150
6KD	Dutton, Kingsley.	1447 Salem St., Glendale, Cal.	550
6WX	Ebert, Howard W.	455 Orchard St., San Jose, Cal.	15
6EK	Eiferle, Chrissie.	3016 Boulevard Ave., Fruitville, Cal.	450
6TE	Eisenhuth, Thomas V.	2138 McKinley St., Berkeley, Cal.	500
6ALC	Eriksen, Elwood C.	358 Lisbon St., San Francisco, Cal.	250
6DL	Espe, Oliver E.	4326 S. Grand Ave., Los Angeles, Cal.	500
6ST	Evans, Bryan.	123 E. Cantonment St., San Francisco, Cal.	375
6ABO	Evans, Charles C.	4835 Idaho St., San Diego, Cal.	500
6FI	Eveleth, Harlan A.	2805 Russell St., Berkeley, Cal.	1, 000
6UT	Everard, Charles E.	895 E. 56th St., Los Angeles, Cal.	440
6UY	Everharty, Laurence.	2320 E. 3d St., Los Angeles, Cal. ....	.....
6GF	Farmer, Gordon.	Burbank, Cal.	50
6TR	Farrell, Raymond.	2326 Pacific Ave., Alameda, Cal.	1, 000
6IF	Farwell, Ivyn.	2230 9th St., Berkeley, Cal.	500
6ET	Fenner, Paul R.	1338 Masonic Ave., San Francisco, Cal.	500
6CO	Ferrero, Henry D.	43 Vallejo St., Napa, Cal.	210
6HV	Ferrill, Herbert E.	Bostonia, Cal.	500
6SQ	Fonseca, Arthur.	2610 Valdez St., Oakland, Cal.	300
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. <i>Watts.</i>
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 L.	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	Kulich, 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 H.....	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	Livezey, 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.....	382 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
6IX	McCreery, Maurice.....	700 W. 32d St., Los Angeles, Cal.....	500
6PJ	McDonald, Byron C.....	85 S. El Molino St., Pasadena, Cal.....	1,000
6TO	McFern, 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	Mount 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.
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	Nielson, 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
6ABE	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.....	715½ 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 Alvisse 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
6PS	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
6OJ	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 H.....	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	Sunderland, 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
6OT	Tyler, Otto B.....	352 Illinois St., Pomona, Cal.....	250
6DT	Underwood, Ernest G.....	903 E. Commercial St., Inglewood, Cal..	250
6GL	Van Auken, 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	Volkmar, George C. T.....	203 Bellefontaine St., Pasadena, Cal.....	250
6VU	Vonderheide, Harold H.....	711 Carson St., Carson City, Nev.....	180
6BA	Wadsworth, Claude E.....	168 Matheson St., Healdsburg, Cal.....	250
6OO	Walden, Myran.....	1050 48th St., Oakland, Cal.....	600
6OC	Wallace, Donald C.....	1431 Linden Ave., Long Beach, Cal.....	440
6IG	Wallace, Edward A.....	138 Water St., Santa Cruz, Cal.....	1, 000
6VV	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	Wiley, 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.....	250
6NV	Williams, Theodore T....	295 California Ter., Pasadena, Cal.....	100
6UG	Williams, Tom A.....	328 N. Mesa 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.
6AB	Carvill, Glenn A.		
6ABA	Street, George.	6BA	Wadsworth, Claude E.
6ABB	Connolly, Norman, jr.	6BC	Oldham, William G., jr.
6ABC	Gilbert, Samuel A.	6BF	Powell, Meade W.
6ABD	Hellikson, Vivian L.	6BH	Williamson, Harry.
6ABE	Hess, Howard P.	6BI	Moore, Ezra.
6ABF	Hovgaard, Irvin C.	6BJ	Bunting, Lawrence.
6ABG	Moore, Walter.	6BK	Frost, William H.
6ABH	McLaren, Alfred.	6BM	Godwin, Merle H.
6ABI	Peacock, Vernon L.	6BO	Johnson, Albert N.
6ABJ	Ray, William.	6BP	Shannon, Leslie.
6ABK	Rose, Earl F.	6BU	Mills, Harry D.
6ABL	Squires, Harold D.	6BW	Taylor, Edwin K.
6ABM	Stebbins, Charles L.	6BY	Thorson, Robert W.
6ABN	Bevitt, Edwin R.		
	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.		
6CS	Webber, Franklin C.	6HD	Dickow, Henry W.
6CT	Seidel, William E.	6HG	Hart, Gardner L.
6CU	Bell, Albert E.	6HI	Hollingsworth, D. R.
6CW	Cook, George W.	6HI	Tossien, Henry A.
6CY	Lundy, Elmer C.	6HJ	McIntosh, Harold S.
6CZ	Tubbs, Ernest A.	6HK	Krauter, Howard R.
		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.		
6DI	Cookson, Howard A.	6IC	Austin, Russell F.
6DK	Mundt, Carlos S.	6IE	Chambers, James.
6DL	Espe, Oliver E.	6IF	Farwell, Ivyn.
6DM	Archer, Robert P.	6IG	Wallace, Edward A.
6DN	Guidotti, William F.	6IH	Hazleton, Ralph L.
6DP	Grundell, Herbert.	6IJ	Boehme, Herbert L.
6DT	Underwood, Ernest G.	6IR	Irey, Earl R.
6DU	Whitworth, George K.	6IT	Winship, Leslie W.
6DY	Mattox, Harry D.	6IV	Pierson, Walter.
6DZ	Caldwell, Duncan K.	6IX	McCreery, Maurice.
		6IZ	Leeper, Ernest.
6EA	Seefred, Howard C. and Lyn- don F.	6JA	Knight, James B.
6EB	Bazzini, Emil M. H.	6JC	Kulich, 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	LeFevre, Eugene.	6JS	Silvershield, Bernhard J.
6EN	deNeuf, Emil A.	6JT	Tibbitts, Jonathan C.
6ES	Schaefer, Carl.		
6ET	Fenner, Paul R.	6KA	Dickey, Herbert A.
		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	Eveleth, 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.		
6FY	Buell, Clarence R.	6LA	Blochman, Lawrence G.
		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	Herzog, 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	Winsor, 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	Goemann, 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.....	.....
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.
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	Dailley, 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. Helens 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	Goodner, 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.	450
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	Longmire, 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
7MM	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 II.	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. II.	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. Watts.
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 Raleigh 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 II	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	Riesland, 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	Rose, Bruce H.	1502½ 13th Ave., Seattle, Wash.	550
7LR	Ross, Lindsay 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	Samms, 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	Shewing, 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	Willson, 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.	7DA	Dahms, Arthur H.
7AF	Moore, Alvin.	7DB	Bolstad, Archie L.
7AG	Moe, George.	7DC	Crockett, George D.
7AH	Arnett, Harry.	7DD	McKinnon, Daniel.
7AI	Johnson, Clifford E.	7DG	Cowles, Willis M.
7AJ	Sorenson, Chester J.	7DH	Haskell, Willard D.
7AK	Koester, Alpha M.	7DJ	Blagen, Henry W.
7AL	Austin, Lawrence.	7DM	Minkler, Darrell.
7AM	Mayne, Alfred J.	7DP	Dann, Percy W.
7AN	Dolloff, Ralph E.	7DR	Theiberg, Raymond D.
7AQ	Holm, Paul E.	7DS	Shingler, Don G.
7AR	Root, Dellmar A.	7DW	Willis, Cecil D.
7AS	Bird, Lester F.	7EA	Adams, Edison.
7AV	Root, Charles W.	7EC	Covey, E. Channing.
7BB	Pennock, Colman.	7ED	Dawes, R. Earl.
7BC	McGee, Donald E.	7EE	Hawkins, Edward K.
7BD	Campbell, Arthur C.	7EF	Ford, Edwin D., jr.
7BE	Ellis, Bruce.	7EJ	Jackson, Edgar F.
7BF	Bay, Frank W.	7EL	La Pine, Earl.
7BG	Andrews, Hiram J.	7EM	Miller, E. Clarence.
7BH	Rose, Bruce H.	7EP	Peterson, Edward T.
7BI	Holm, Frank E., jr.	7FA	Steiger, Alfred.
7BJ	Baillargeon, George J.	7FB	Boswell, George.
7BK	Smead, Earl.	7FC	Pfeiffer, Charles.
7BM	Merrill, Barrett M.	7FD	Bancroft, Harvey.
7BP	Parenti, Bessie.	7FF	Farris, Frank E.
7BR	Bach, Roy O.	7FH	Henriot, Floyd F.
7BS	Spencer, Arthur.	7FL	Ling, Frank Moy.
7CA	Crosby, Edward J.	7FR	Rush, Floyd M.
7CB	Bennett, Cecil H.	7FW	Lee, Emery H. I.
7CC	Crowell, Chester E.	7GA	Wurtz, George A.
7CD	DeLacy, Clinton.	7GB	Butterfield, George H.
7CE	Eichelberger, H. Carl.	7GC	Henny, Geo. C.
7CF	Holdbrook, Charles S.	7GD	Hoffman, Carl A.
7CG	Comstock, George I.	7GF	Gibbs, Floyd F.
7CH	Hansen, Carl L.	7GG	Goodner, Ernest F.
7CI	Ingwersen, John.	7GH	Riesland, Edward G.
7CJ	Josephson, Carl L.	7GI	Horne, Gilbert.
7CK	King, Clement S.	7GJ	Johnson, Gale H.
7CM	Ruth, Sebastian.		
7CN	Emigh, Charles.		

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, Chasæ.
7HG	Henderson, Paul.	7NG	Pyle, Howard S.
7HH	Fee, Lewis H.	7NJ	Johnson, Norman.
7HI	Higman, Harry II.	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 II.	7PH	Hoffman, Philip.
		7PM	Murphin, Paul E.
7IF	Fabris, Ivan M.	7PR	Piercy, Russell H.
7IN	Nelson, Ivan L.		
		7RD	Runyard, A. Don.
7JA	Barnhiel, 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 II.	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	Samms, 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. II.	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
8AJQ	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	Apper, 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
8HI	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.
8LJ	Baxter, Raymond L.	2745 Woodward Ave., Highland Park, Mich.	<i>Watts.</i> 220
8SI	Beach, Walter R.	2180 E. 90th St., Cleveland, Ohio.	990
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.	300
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
8JC	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.	530
8AKA	Bender, Raymond C.	2642 Norwood St., Pittsburgh, Pa.	400
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. NE., Canton, Ohio.	50
8AGZ	Bohannon, 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
8MH	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.....	Benzonia, 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	Clough, 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.....	30 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	Guff, Harold C.....	362 Walnut St., Buffalo, N. Y.....	9
8TF	Gunningham, 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.
8CF	Danner, Howard M.....	225 E. Market St., Wilkesbarre, Pa.....	<i>Waus.</i> 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	Denamore, 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, Garold 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	Doeright, 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	Eucher, Clarence J.....	7427 Detroit Ave., Cleveland, Ohio.....	550
8ACS	Evans, Harold T.....	1745 W. Cleneay 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>
8HN	Fec, 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	Fleher, 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.....	850
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, Ilugo.....	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	Hartie, 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	Henny, 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	Higgey, 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	Hochl, 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.
			<i>Watts.</i>
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	Ilgenfritz, 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	Kaehni, Francis J.	3267 Scranton Rd., Cleveland, Ohio.	440
8AIV	Kaestle, 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	Kastenber, 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	Kimback, 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

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

Call signal.	Owner of station.	Location of station.	Power.
8AMY	Kingsbury, Ralph N....	504 E. Main St., Ravenna, Ohio.....	<i>Watts.</i> 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	Kuehne, 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 Parviss 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 II.....	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
8RO	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. Carroll.	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. Watts.
8AEY	Morrow, Floyd D.	184 State St., Fairmont, W. Va.	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	Murphy, 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	Ottnay, James N.	R. F. D. No. 4, Gilsburg, 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
8HB	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	Roener, 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	Schmidt, 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	Schwaneckamp, 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. Watts.
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
8AHR	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
8ALA	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	Speerman, 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
8SH	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
8LH	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
8UQ	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
8HE	Stevenson, George L.....	Durand, Mich.....	1,000
8AGA	Stiles, Willis E.....	917 North St., Rochester, N. Y.....	18
8PR	Stiveson, 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. N.E., 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	Thompeon, 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	Ush, 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
8TX	Wand, Eugene C.....	1105 Elmwood Ave., Buffalo, N. Y.....	250
8AAY	Wannenmacher, Harvey.....	14 Brookfield Pl., Lancaster, N. Y.....	28
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.....	2708 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

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

Call signal.	Owner of station.	Location of station.	Power.
8AMB	Willhagen, Herman.....	1245 Joseph Campau Ave., Detroit, Mich.	Watts. 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	Wingemire, 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	Woodmansee, Harold W.....	214 Morris Ave., Buffalo, N. Y.....	250
8AAL	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.	8AAZ	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	Mathæ, Mont M.	8AEP	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	Eaton, 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	Pinley, Chester T.
8ACR	Lugbill, Adrian.	8AFE	Windham, Elwood 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.
8ADE	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 E.	8AGS	Lathrop, Fred A. J.
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 II.	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 Trics, 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	Coldewey, Fred W., jr.	8AKP	Proper, Jesse B.
8AHU	Buckwalter, Eugene M.	8AKQ	Kaehni, Francis J.
8AHV	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	Murphy, 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 H.
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, Wilbert G.
8AIY	Boastfield, Thomas W.	8AMA	Champe, Willard A.
8AIZ	Klync, 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	McCaug, William J.
8AJK	Carmack, Floyd A.	8AMI	Wilson, George S.
8AJM	Koepke, Elmer A.	8AMJ	Zahn, 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.
8AJV	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.		
8AR	Schorn, Valentine A.	8DA	Jackson, Joseph, jr.
8AS	Muhlbeyer, Charles W.	8DC	Reb, Frank.
8AT	France, William.	8DD	Watts, Felix J.
8AU	Frost, Harry E.	8DE	Thomas, William K.
8AV	Fullwood, William R.	8DF	Orrell, Robert W.
8AW	Gogel, Adelbert J.	8DH	Temple, Lemuel M.
8AX	Gentsch, Leonard H.	8DI	Gurnee, Floyd I.
8AZ	Hansen, Edmund H.	8DJ	Phillips, Glenn E.
		8DK	Whitmoyer, Ralph E.
8BA	Hiller, 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, Kenneth.	8DU	Downing, Harry E.
8BI	Kroeger, Gustav H.	8DV	Cobb, Rupert G.
8BJ	Shelley, Clayton B.	8DW	Apger, 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.		
8BO	Lyons, Henry E.	8EA	Mack, Clifford J.
8BP	Macer, Arthur T.	8EB	Munsell, Robert S.
8BQ	Menges, William E.	8EC	Phillips, Wendell G.
8BR	Miner, Simeon J.	8ED	Carver, Alfred J.
8BS	McDonell, Donald.	8EE	Selden, James M., jr.
8BT	Ogle, Harry B.	8EF	Dorst, Edward L.
8BU	Stableford, Vernon.	8EG	Gebhard, Louis A.
8BW	Gruber, William S.	8EH	Williams, Claude.
8BY	Schwindt, Herman J.	8EI	Gray, Clarence N.
8BZ	Steele, Maurice.	8EJ	Kolb, Edwin H.
		8EK	Kumpf, Elmer H.
8CA	Fidler, Sherwood K.	8EL	Langenbach, Leo.
8CB	Thiessen, H. W. F.	8EM	Mayer, 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.		
8CN	Johnson, Elmer.	8FA	Fender Clinton H.
8CO	Grove City College.	8FB	Ulah, Chester.
8CQ	Brede, Erwin F.	8FC	Holden, Ira S.
8CR	Coven, Allen W.	8FD	Walker, Carl.
8CS	Benzee, Henry J.	8FE	Finch, Brent S.
8CT	Myers, Raymond W.	8FF	Baker, Raymond S.
8CU	Forshee, Kenneth.	8FG	Coleman, John B.
8CV	Kress, Lester P.	8FH	Haynes, William.
8CW	Bucholz, Herbert C.	8FI	Burger, Richard W.
8CX	Phippeny, Forrest I.	8FJ	Clausing, Leroy M. E.
		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 II.
8FQ	Remorino, L., jr.	8IE	Little, John F. II.
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	Dielerich, 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	Beare, 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	Moersblecker, 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	Benzec, 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	Stauff, Jacob L.	8OJ	Furlong, Marcie J.
8LJ	Baxter, Raymond L.	8OK	Scheib, Joseph.
8LK	Wieneke, Edward.	8OL	Stern, Fred W.
8LL	Schwancamp, Raymond.	8OM	Balsley, James I.
8LM	Wood, John P.	8ON	Hgenfritz, 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	Philipp, 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	Buahnell, 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, Frederick D.
8ML	Lovell, Charles L.	8PM	Higgey, Robert C.
8MM	Benzec, 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, Caryl 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.		

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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	Schmidt, 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	Chartenor, 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.	8VH	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 I.	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 C.	208 4th St., Mendota, Ill.	600
9DJ	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.
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.	900
9JO	Bolen, John C., jr.	Petersburg, Ky.	24
9PF	Bolin, Ray E., jr.	5505 Bartmer Ave., St. Louis, Mo.	500
9SZ	Bonney, Harold H.	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 H., jr.	6800 Lowe Ave., Chicago, Ill.	48
9SD	Broughton, William G.	213 S. Court St., Crown Point, Ind.	36
9BU	Brown, Clarence I.	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.	220
9KU	Burgy, Charles A., jr.	693 Willow St., Winnetka, Ill.	75
9RW	Burhop, Harold.	1945 N. 7th St., Sheboygan, Wis.	36
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 H.	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 H.	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
9JF	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.	230
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.	230
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.	230
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.
			<i>Watts.</i>
9EQ	Cruikshank, Charles A., jr.	1000 Bird St., Hannibal, Mo.	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 Colledge 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	Fahrnoy, Clarence H.	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 Bond, Ind.	550
9BO	Fry, Claud	833 W. 12th St., Des Moines, Iowa	50

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	Giltmer, L. Wallace.....	411 S. Holmes Ave., Indianapolis, Ind..	275
9NM	Glavin, Roland E.....	748 Lawndale Ave., South Bend, Ind..	24
9UF	Goertsch, 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. Berceau 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	Hantzsck, 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 II.....	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	Hll, 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.....	Capo Girardeau, Mo.....	15
9EW	Jackson, Arved C.....	916 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.....	18
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	Klentz, Clarence.....	3809 Vincennes Ave., Chicago, Ill.....	500
9CM	Klicpera, Milhart 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	Kossow, Erwin.....	760 32d St., Milwaukee, Wis.....	12
9KE	Kranzfelder, Leonard J.....	Bayfield, Wis.....	1,000
9TC	Krause, Charles H.....	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	Lair, 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	Laughlin, 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.
9LX	Leberman, Palmer K.	Upper Falls Rd., Sheboygan, Wis.	Watts. 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 I.	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.	15
9RE	Mathausser, 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	Mürgeler, Robert J.	2815 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.	15
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.
			Watts.
0EOE	Meyers, John W.	Canton, Ill.	1,000
0BB	Nattenheimer, Ervin B.	559 Lexington Ave., Newport, Ky.	450
0BH	Neitz, Paul I.	137 Brainerd St., Naperville, Ill.	1,000
0RQ	Nelson, Carl H.	723 N. 1st St., Fargo, N. Dak.	45
0BQ	Nelson, Eddie	731 N. 3d St., Fargo, N. Dak.	550
0KI	Neuman, Russell A.	1129 S. College St., Springfield, Ill.	100
0MT	Neumann, Clarence F.	1523 S. Ogden St., Denver, Colo.	250
0NF	Neumeister, Carl	902 Michigan Ave., Sheboygan, Mich.	330
0TL	Newhall, Elwood L.	2181 Madison Ave., Covington, Ky.	27
0IP	Nicolay, Adolph W.	R. F. D. No. 1, Shattuc, Ill.	20
0SJ	Nolte, Edward F.	4955-A Terry Ave., St. Louis, Mo.	500
0CA	Norene, Raymond E.	2558 Avenue A., Council Bluffs, Iowa.	250
0RK	Norviel, Herbert D.	521 Jackson St., Anderson, Ind.	220
0QN	Oberholtz, Edwin F.	935 W. 33d Ter., Kansas City, Mo.	550
0FK	Oetjen, Richard J.	Williams Bay, Wis.	500
0DK	O'Neil, Donald H. C.	5740 Bartmer Ave., St. Louis, Mo.	600
0TT	Ort, Henry M.	3934 Montrose Ave., Chicago, Ill.	40
0JS	Osborn, Paul I.	Milford, Ill.	220
0UB	Osting, Raymond	2135 S. New Jersey St., Indianapolis, Ind.	500
0FY	Pagett, Harry L.	1027 Fulton St., Keokuk, Iowa.	18
0KF	Pardieck, Victor	320 S. 8th St., Richmond, Ind.	495
0TA	Parnin, Ross	1239 W. Berry St., Ft. Wayne, Ind.	275
0DB	Paust, Lawrence R.	304 E. North St., Whitewater, Wis.	1,000
0IM	Pearce, Charles H.	320 Julian St., Waukegan, Ill.	250
0PW	Peck, Erle M.	North Crystal Lake, Ill.	560
0OH	Pentland, Robert L.	5225 Woodlawn Ave., Chicago, Ill.	330
0BL	Perine, W. B.	1728 Hall Pl., Indianapolis, Ind.	1,000
0LO	Perkins, Albert	4008 W. Prospect St., Kansas City, Mo.	1,000
0YI	Perkins, Darlton C.	1940 N. Halleck St., Kansas City, Kans.	72
0NU	Perry, William N.	805 Lake Ave., Racine, Wis.	250
0QO	Petersen, Walter	4607-A Natural Bridge Rd., St. Louis, Mo.	36
0HW	Peterson, Oscar W.	705 W. Bancroft Ave., Fergus Falls, Minn.	1,000
0NX	Phelps, Clyde W.	1032 Benton St., Rockford, Ill.	36
0OZ	Phillips, H. Leroy	1108 5th St., Des Moines, Iowa.	25
0MM	Pickett, Chester H.	223 Maple Ave., Waukesha, Wis.	330
0EV	Piersol, Myron D.	4546 N. Seeley Ave., Chicago, Ill.	500
0CC	Pierson, Martin	Williams Bay, Wis.	24
0PY	Pierson, Stuart W.	214 Maple Ave., Carrollton, Ill.	550
0LL	Plummer, Evans E.	2444 N. Alabama St., Indianapolis, Ind.	250
0TY	Pope, Franklin R.	675 Greenwood Ave., Glencoe, Ill.	550
0AD	Porwancher, Samuel	402 N. 61st St., Chicago, Ill.	24
0HD	Prahl, Louis	463 10th Ave., Milwaukee, Wis.	75
0FM	Preuss, Arthur C.	212 E. 9th St., Newport, Ky.	10
0JM	Putz, Anton E.	703 25th St., Milwaukee, Wis.	360
0OU	Pye, Harold	935 Trumbull Ave., Chicago, Ill.	530
0GA	Racke, Arthur L.	31 18th St., Newport, Ky.	490
0CS	Ragan, Tate V.	523 Garfield Ave., Kansas City, Mo.	27
0PH	Ranson, Richard R.	626 W. Macon St., Decatur, Ill.	1,000
0SB	Rawson, A. Cummins	2500 Grand Ave., Des Moines, Iowa.	440
0GC	Read, Harry	728 Chestnut St., Grand Forks, N. Dak.	250
0FO	Rehm, Ralph E.	1102 N. 3d St., Kansas City, Kans.	160
0LA	Reichenecker, Frank N.	549 Everett Ave., Kansas City, Kans.	30
0FS	Reineke, Earl C.	1019 S. 5th Ave., Fargo, N. Dak.	1,000
0BW	Reinhardt, William	3437 Taylor St., Omaha, Nebr.	250
0DS	Remmers, Elmer	5031 Vernon Ave., St. Louis, Mo.	500
0OV	Richardson, David W.	5711 Blackstone Ave., Chicago, Ill.	330
0CH	Riggin, Benjamin F.	2112 Ammie Ave., Kansas City, Mo.	36
0NE	Riley, Wilson M.	4424 St. John St., Kansas City, Mo.	30
0EO	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.
9KZ	Roach, John M.	436 Surf St., Chicago, Ill.	Watts. 500
9GS	Robbins, Donald T.	15 W. 58th St., Kansas City, Mo.	24
9ND	Roberts, Mason C.	1130 Wisconsin St., Racine, Wis.	500
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.	500
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	Schwalter, 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
9IJ	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	Semmelmeier, 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.	1,000
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	Sproehne, 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	Swaigood, 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. Leclaire 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.	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.	830
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	Wember, 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	Boees, 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	Kossow, Erwin.	9JZ	Schubert, Clarence K. F.
9HP	Miller, William S.	9KA	Markowaki, Edward T.
9HR	Baulch, Ernest L.	9KB	Goodman, Mark.
9HS	Ludwig, Fred N.	9KC	Lee, David R.
9HT	Kelso, Charles A.	9KD	Carl, 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	Lagodzinaki, 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, Darlton 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.	9LX	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	Rufier, 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	Caseaday, 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 = north-east, 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	78. 1
	} and over.	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.....	30.26	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)
1 _ _ _ _ _	End of each message (cross)
2	Transmission finished (end of work) (conclusion of correspondence)
3	
4	
5	
6	
7	
8	
9	
0 _ _ _ _ _	
Ä (German)	
Á or Å (Spanish-Scandinavian)	
CH (German-Spanish)	
É (French)	
Ñ (Spanish)	
Ö (German)	
Ü (German)	

LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATION.¹

Abbreviation.	Question.	Answer or notice.
C Q	- . . . - . . . -	Signal of inquiry made by a station desiring to communicate.
T R	- . . .	Signal announcing the sending of particulars concerning a station on shipboard (Art. XXII).
(!)	- . . . -	Signal indicating that a station is about to send at high power.
PRB	Do you wish to communicate by means of the International Signal Code?	I wish to communicate by means of the International Signal Code.
QRA	What ship or coast station is that?...	This is
QRB	What is your distance?.....	My distance is
QRC	What is your true bearing?.....	My true bearing is degrees.
QRD	Where are you bound for?.....	I am bound for
QRF	Where are you bound from?.....	I am bound from
QRG	What line do you belong to?.....	I belong to the Line.
QRH	What is your wave length in meters?..	My wave length is meters.
QRJ	How many words have you to send?..	I have words to send.
QRK	How do you receive me?.....	I am receiving well.
QRL	Are you receiving badly? Shall I send 20. for adjustment?	I am receiving badly. Please send 20. for adjustment.
QRM	Are you being interfered with?.....	I am being interfered with.
QRN	Are the atmospherics strong?	Atmospherics are very strong.
QRO	Shall I increase power?.....	Increase power.
QRP	Shall I decrease power?.....	Decrease power.
QRQ	Shall I send faster?.....	Send faster.
QRS	Shall I send slower?.....	Send slower.
QRT	Shall I stop sending?.....	Stop sending.
QRU	Have you anything for me?.....	I have nothing for you.
QRV	Are you ready?.....	I am ready. All right now.
QRW	Are you busy?.....	I am busy (or, I am busy with Please do not interfere.

¹ When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.

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.





**DEPARTMENT OF COMMERCE
BUREAU OF NAVIGATION
RADIO SERVICE**

**RADIO STATIONS OF THE
UNITED STATES**

EDITION JULY 1, 1916



**WASHINGTON
GOVERNMENT PRINTING OFFICE
1916**

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; Important Events in Radiotelegraphy, February 1, 1916, 5 cents each.

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NOTES.

Supplements, under the title "Radio Service Bulletin," are 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.

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

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

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. DETROIT, MICH.....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 stated in francs and centimes. For approximate purposes, 1 franc equals 20 cents and 5 centimes equal 1 cent. 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 trans-oceanic 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:

A. L. THURMAN,
Acting Secretary.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This list includes Government and commercial land stations only.]

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Akron, Ohio	WOI	300, 600, 2070.	PR	8 a. m. to 4.30 p. m.	Goodyear Tire & Rubber Co.
Akutan, Alaska.	KMW	300, 525, 600..	PR	X	North Pacific Sea Products Co.
Albina, Oreg. <i>See</i> Portland, O reg. (KGN).					
Alockanok River, Alaska.	KML	300, 500, 600..	P	X	North Alaska Salmon Co.
Anchorage, Alaska. .	NZY	300, 600, 750, 1000.	O	X	Alaska Engineering Commission.
Anderson (steamship), Fort Monroe, Va.	WZM	.....	O	.....	U. S. Army.
Annapolis, Md.	NAK	.....	O	8 a. m. to 10 p. m.	U. S. Navy.
Arlington, Radio, Va. <i>See</i> Washington, D. C.					
Ashabula, Ohio.	WSA	300, 550, 600..	PG	(1)	Marconi Co.
Astoria, Oreg.	KPC	300, 600, 1800 3100, 3800.	PG PR	N	Marconi Co.
Avalon, Cal.	KPI	300, 530, 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	Graham & Morton Transp. Co.
Binghamton, N. Y. . .	WBT	1610.	PR	X	D., L. & W. R. R. Co.
Bolinas, Cal.	KET	6100.	PR	N	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.
Boston, Mass.	NAD	.....	O	N	U. S. Navy.
Bremerton, Wash. <i>See</i> Puget Sound.					
Brooklyn, N. Y.	WCG	300, 550, 600, 1650, 2600.	PG PR	(2)	Nat. Elec. Signaling Co.
Brooks, Alaska.	KIZ	300, 600.			Alaska Wireless Telegraph Co.
Brownsville, Tex. . . .	WUZ	1000.	O	X	U. S. Army.
Buckroe (steamship), Fort Monroe, Va.	WZL	.....			U. S. Army.

17.30 a. m. to 11.30 a. m.; 12.30 p. m. to 5 p. m.

4 a. m. to 8 a. m.; 5 p. m. to 9 p. m.

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

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours of operation.	Station controlled by—
Buffalo, N. Y.	WBL	300, 500, 600..	PG	(1)	Marconi Co.
Burrwood, La.	WBW	300, 600, 2200.	{ PG PR }	(2)	Tropical Radio Tel- egraph Co.
Calumet, Mich.	WCM	300, 500, 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. See North Truro, Mass.					
Cape Hatteras (Bux- ton), N. C.	WHA	300, 550, 600..	{ PG PR }	N	Marconi Co.
Cape May, N. J.	WCY	300, 550, 600..	PG	N	Marconi Co.
Cape St. Elias, Al- aska.	NLQ	600, 800, 1000, 1200.	PG	X	U. S. Bureau of Lighthouses..
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 }	(4)	Marconi Co.
Chignik, Alaska.	KHC	300, 500, 600, 1610.	PR	X	Alaska Packers' Association.
Circle City, Alaska..	WVA	600, 1400.....	O	.....	U. S. Army.
Clarks Point, Alaska.	KHG	300, 400, 500, 600.	PR	X	Alaska Packers' Association.
Cleveland, Ohio	WCX	300, 500, 600..	PG	(5)	Marconi Co.
Colon, Panama.	NAX	600.....	PG	N	U. S. Navy.
Colorado Springs, Colo.	KIY	300, 425.....	PR	X	Herbert C. Col- burn.
Conneaut Harbor, Ohio.	WEV	300, 475, 540, 600.	PR	X	Marquette & Bes- semer Dock & Nav. Co.
Cordova, Alaska.....	NPA	600.....	PG	N	U. S. Navy.
Corregidor Iald., P.I. See Fort Mills.					
Cuyo, P. I.	WVX	600, 1200.....	PG	7 a. m. to 6.15 p. m.	Insular Govt., Phil- ippine Ialds.
Daly City, Cal. See Hillcrest.					
Darien, Panama	NBA	.....	O	N	U. S. Navy.
Davao, Mindanao Iald., P. I.	WVO	600, 1200.....	PG	7 a. m. to 6 p. m.	U. S. Army.
Davenport, Iowa....	WPT	500.....	PR	X	Western Flour Mill Co.
Denver, Colo.	KIX	300, 575.....	PR	X	William H. Smith.
Detroit, Mich. (WDR). See River Rouge, Mich.					
Detroit, Mich.	WOK	300, 600, 2160.	PR	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. limited train.	WBI	.....	.....	.....	D., L. & W. R. R. Co.

¹ Apr. 15 to June 2 and Sept. 16 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.

⁴ 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.

⁵ 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.

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

Station.	Call signal.	Wave lengths.	Ser-vice.	Hours of operation.	Station controlled by—
Douglas, Ariz.	KDC	300, 600.	P	(1)	Copper Queen Consolidated Mining Co.
Dover, N. J.	WBX	.....	.....	.....	D. L. & W. R. R. Co.
Duluth, Minn.	WDM	300, 500, 600..	PG	(2)	Marconi Co.
Dutch Harbor, Alaska.	NPR	600.....	PG	N	U. S. Navy.
East San Pedro, Cal..	KPJ	300, 500, 600..	{ PR PG	N	Marconi Co.
Egegak, Alaska.....	KMF	300, 500, 600..	PR			X	North Alaska Salmon Co.
Ensenada, P. R.....	WPR	300, 600, 1610.	{ PR PG	(3)	Guanica Centrale.
Eureka, Cal.....	KPM	300, 600.....	PG			(4)	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. Army.
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 Caswell, N. C..	WUT	825.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Constitution, N. H.	WZE	825.....	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 Dade, Fla.	WZK	825.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort De Russy, Honolulu, 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 p. 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.

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

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

³ Week days, 8 a. m. to noon; 2 p. m. to 5 p. m.; Sundays, 9 a. m. to noon.

⁴ 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 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 Mills, Corregidor Islands, Manila Bay, P. I.	WVZ	600, 825.....	O	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	300, 445, 600..	{ PR } { PG }	(¹)	Marconi Co.
Fort Morgan, Ala. . .	WUR	1200.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Moultrie, S. C. .	WZF	825.....	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.
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	.....	PG	6 a. m. to 10 p. m.	U. S. Army.
Frankfort, Mich. . . .	WFK	300, 500, 600..	PG	(²)	Marconi Co.
Frying Pan Shoals Lightship(off Cape Fear, N. C.).	NLC	.....	O	6 a. m. to 10 p. m.	U. S. Navy.

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.; 9.40 a. m. to 9.50 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.

² 8 a. m. to noon; 1 p. m. to 7 p. m.

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

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours of operation.	Station controlled by—
Galveston, Tex.....	WGV	300, 500, 600..	PG	(1)	Marconi Co.
Grand Haven, Mich.....	WGH	300, 500, 600..	PG	(2)	Marconi Co.
Great Lakes, Ill.....	NAJ	300, 600, 1000..	O	N	U. S. Navy.
Guam, Mari- anne Islds.	NPN	300, 600.....	PG	N	U. S. Navy.
Guantanamo Bay, Cuba.	NAW	600.....	PG	N	U. S. Navy.
Hales Creek, Alaska.	KMT	300, 600, 2000..	P	X	North Alaska Sal- mon Co.
Hatteras, N. C. <i>See</i> Cape Hatteras.					
Heald Bank Light- ship, off Galves- ton, Tex.	NLP	300, 600.....	O	8 a. m. to 10 p. m.	U. S. Navy.
Heeia Point, Hawaii.	KHX	300, 600, 3000, 8000, 9300, 10600.	PG	N	Federal Telegraph Co.
Hillcrest, Cal.....	KPH	300, 520, 600..	PG	N	Marconi Co.
Hoboken, N. J.....	WBU	2240.....	PR	X	Marconi Co.
Hollister, Cal.....	KGH	300, 600, 1650.	PR	X	Palmer B. Hewlett.
Honolulu, Hawaii. <i>See</i> Pearl Harbor, Hawaii.					
Iditarod, Alaska....	KIV	500.....	PR	9 a. m. to 7 p. m.	Alaska Wireless Tel- egraph Co.
Indianhead, Md....	NBG	300, 600, 750..	O	X	U. S. Navy.
Inglewood, Cal.....	KFZ	300, 600, 3300, 4000.	PR	9 a. m. to 6 p. m.	Federal Telegraph Co.
Isle Royal, Mich....	WRO	300, 600.....	PG		Marconi Co.
Jacksonville, Fla....	WJX	300, 450, 600, 600.	PG	(3)	Marconi Co.
Jolo, Jolo Isl., P. I.	WVS	600.	PG	7 a. m. to 5.15 p. m.	Insular Govt., Phil- ippine Islds.
Jualin, Alaska.....	KJA	300, 500, 600, 1980.	PG	(4)	Marconi Co.
Juneau, Alaska.....	KDU	300, 600, 1800, 3100.	PG	N	Marconi Co.
Jupiter, Fla.....	NAQ	.....	O	N	U. S. Navy.
Kahuku, Hawaii. <i>See</i> Koko Head.					
Kaunakakai, Hawaii	KHO	300, 450, 600..	PR	(5)	Mutual Telephone Co. (Ltd.).
Kawaihae, Hawaii..	KHN	300, 575, 600..	PR	(5)	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.
Koggiung, Alaska...	KHB	300, 400, 500, 600.	PR	X	Alaska Packers' As- sociation.
Koggiung, Alaska...	KVV	300, 450, 600..	PG	6.30 p. m. to 9.30 p. m.	Alaska Fishermen's Packing Co.
Koko Head, Hawaii.	KHJ	.....	PR		Marconi Co.
Koko Head, Hawaii.	KIE	6200.....	PR	N	Marconi Co.
Kotlik, Alaska.....	WVF	600.....	PG	(6)	U. S. Army.
Kvichak, Alaska....	KMT	300, 600, 2000..	PR	X	North Alaska Sal- mon Co.

¹ 7 a. m. to 12 noon; 1 p. m. to 2 a. m.

² 7 a. m. to 11 a. m.; 8 p. m. to 11 p. m.

³ 6 a. m. to 8 a. m.; 10 a. m. to 1 p. m.; 4 p. m. to 7 p. m.

⁴ 8.30 a. m. to 8.45 a. m.; 1.30 p. m. to 1.45 p. m.; 7.30 p. m. to 7.45 p. m.

⁵ 7 a. m. to noon; 1 p. m. to 5.30 p. m.

⁶ 9 a. m. to 9 p. m. during season of navigation only.

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

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Kvichak, Alaska...	KML	300, 500, 600..	P	X	North Alaska Salmon Co.
Lahaina, Hawaii...	KHL	300, 575, 600..	PR	(¹)	Mutual Telephone Co. (Ltd.)
Larsen Bay, Alaska..	KHA	300, 500, 600, 1610.	PR	X	Alaska Packers' Association.
Lents, Oreg.....	KFU	.....	PR	-----	Federal Tel. Co.
Lihue, Hawaii.....	KHM	300, 575, 600..	PR	(¹)	Mutual Telephone Co. (Ltd.)
Los Angeles, Cal....	KEX	300, 600.....	P	9 a. m. to 5 p. m.	Marconi Co.
Los Angeles, Cal....	KLS	300, 600, 1800, 2800, 3250.	{ PG PR	{ 4 a. m. to 10 p. m.	Federal Telegraph Co.
Ludington, Mich....	WLD	300, 500, 600..	PG	(²)	Marconi Co.
Mackinac Island, Mich.	WHQ	300, 500, 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.
Manistiqué, Mich....	WMX	300, 500, 600..	PG	(⁴)	Marconi Co.
Manitowoc, Wis.....	WMW	300, 500, 600..	PG	(⁵)	Marconi Co.
Mare Island, Cal. See San Francisco, Cal.					
Marshall, Cal. See Bolinas, Cal.					
Marshfield, Oreg....	KPX	300, 600.....	PG	8 a. m. to 6 p. m.	Marconi Co.
Metha Nelson (steamship), Bristol Bay, Alaska.	KMP	300, 500, 600..	PR	X	Alaska Packers' Association.
Miami, Fla.....	WST	300, 450, 600..	PG	N	Marconi Co.
Milwaukee, Wis.....	WME	300, 500, 600..	PG	(⁶)	Marconi Co.
Mobile, Ala.....	WMB	300, 445, 600..	{ PG PR	{ (⁷)	Marconi Co.
Mount Vernon, Ohio	WQV	500.....	P	X	Bunyan J. Hyatt.
Naknek, Alaska....	KHT	300, 500, 600, 1610.	PR	X	Alaska Packers' Association.
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.
Navassa Island, West Indies.	WQN	.....	-----	-----	Snare & Trieste Co.
New Brunswick, N. J. See Belmar, N. J.					

¹ 7 a. m. to noon; 1 p. m. to 5.30 p. m.

² 7 a. m. to 11 a. m.; noon to 6 p. m.; 8 p. m. to 1 a. m.; 2 a. m. to 7 a. m.

³ Sept. 16 to Oct. 1, and June 7 to June 30, sunset to sunrise; July 1 to Sept. 15, 7 a. m. to noon; 1 p. m. to 6 p. m.; 7 p. m. to 12 p. m.; 1 a. m. to 6 a. 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 8.30 p. m.

⁶ 8 a. m. to noon; 1 p. m. to 5 p. 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—
New London, Conn..	NRZ	300, 600.....	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	(²)	Marconi Co.
New Orleans, La....	WNU	300, 600, 1800, 1850.	{ PR P PG }	N	Tropical Radio Tel- egraph 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. Signal- ing Co.
New Prague, Minn..	WPU	500.....	PR	X	New Prague Flour Milling 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	(³)	Atlantic Communi- cation Co.
Nome, Alaska.....	WVG	600, 2000.....	PG	N	U. S. Army.
Norfolk, Va.....	NAM	.....	O	N	U. S. Navy.
North Head, Wash..	NPE	600.....	PG	N	U. S. Navy.
North Truro, Mass..	NAE	.....	O	N	U. S. Navy.
Nulato, Alaska.....	WVH	2000.....	O	.....	U. S. Army.
Nushagak, Alaska..	KMG	300, 500, 600..	PR	X	North Alaska Sal- mon 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, 435, 600..	PG	X	C. A. Brown.
Pearl Harbor, Ha- waii.	NPM	.....	O	N	U. S. Navy.
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	3000, 3400.....	PR	6 a. m. to 6 p. m.	Federal Telegraph Co.
Point Arguello, Cal..	NPK	600.....	PG	N	U. S. Navy.
Point Isabel, Tex....	NAY	.....	.....	.....	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 Elec- tric Co.
Portland, Oreg.....	KDP	200, 300, 425, 550, 600.	PR	X	Charles L. Austin.
Port Moller, Alaska..	KWR	300, 450, 600, 1610.	PG	6.30 p. m. to 9.30 p. m.	Pacific - American Fisheries.
Port Royal, S. C....	NAV	.....	O	N	U. S. Navy.
Portsmouth, N. H....	NAC	.....	O	N	U. S. Navy.

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

² 7.05 a. m. to 8 a. m.; 10 a. m. to 10.25 a. m.; 10.45 a. m. to 10.55 a. m.; 1 p. m. to 1.20 p. m.; 3 p. m. to 4 p. m.; 5 p. m. to 5.30 p. m.; 6 p. m. to 6.30 p. m.; 8 p. m. to 8.55 p. m.; 10 p. m. to 11 p. m.

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

⁴ 6.30 a. m. to noon; 12.30 p. m. to 6 p. m.; 6.30 p. m. to 8.30 p. m.

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

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Providence, R. I....	WPF	300, 425, 600..	PR	X	Dutée W. Flint.
Puerto Princesa, Paragua, P. I.	WVV	600, 1200.....	PG	7 a. m. to 6 p. m.	Insular Govt., Philippine Islds.
Puget Sound, Wash..	NPC	.....	O	N	U. S. Navy.
Relief Lightship No. 66 or No. 85.	NLD	300, 600.....	PG	.....	U. S. Navy.
Relief Lightship No. 71 or No. 72.	NLE	300, 600.....	PG	.....	U. S. Navy.
Relief Lightship No. 94 or No. 53.	NLG	300, 600.....	PG	.....	U. S. Navy.
Rialto, Cal.....	KJR	300, 600, 1610.	PR	X	Southern California Edison Co.
River Rouge, Mich..	WDR	300, 500, 600..	{ PG PR }	{ (1)	Marconi Co.
Roche Harbor, Wash.	KRW	300, 600, 1800.	PG	(2)	Tacoma & Roche Harbor Lime Co.
Sagaponack, N. Y...	WSK	300, 600.....	PG	X	Marconi Co.
San Diego, Cal.....	KSD	300, 600, 1800, 2800.	{ PG PR }	{ 4 a. m. to 8 p. m.	Federal Telegraph Co.
San Diego, Cal.....	NPL	600.....	PG	N	U. S. Navy.
San Francisco, Cal..	NPH	.....	O	N	U. S. Navy.
San Francisco, Cal..	KFS	300, 600, 1800, 3000, 3500.	{ PR PG }	{ 7 a. m. to 7 p. m.	Federal Telegraph Co.
San Jose, Mindoro Isld., P. I.	WVY	600.....	PG	7 a. m. to 6.15 p. m.	Insular Govt., Philippine Islds.
San Juan, P. R.....	NAU	600.....	PG	N	U. S. Navy.
San Pedro, Cal. See East San Pedro.					
Sault Ste. Marie, Mich.....	WSI	450.....	.....	.....	Marconi Co.
Savannah, Ga.....	WSV	300, 500, 600..	PG	6 a. m. to midnight.	Marconi Co.
Sayville, N. Y.....	WSL	3900, 4700, 5200, 6300, 7800, 9400.	PR	N	(3)
Scranton, Pa.....	WTP	.....	.....	.....	D., L. & W. R. R. Co.
Sea Gate, N. Y.....	WSE	300, 600.....	PG	N	Marconi Co.
Seattle, Wash.....	KPA	300, 540, 600, 1700, 3100.	{ PG PR }	{ N	Marconi Co.
Seattle, Wash.....	KPE	300, 525, 600..	{ PR PG }	{ (4)	City of Seattle (Harbor Dept.).
Siasconset, Mass....	WSC	300, 600.....	PG	N	Marconi Co.
Sitka, Alaska.....	NPB	600.....	PG	N	U. S. Navy.
Snag Point, Alaska.	KHF	300, 400, 500, 600.	PR	X	Alaska Packers' Association.
South San Francisco, Cal.	KSS	300, 600, 1800, 5000, 8000, 10000.	{ PR PG }	{ N	Federal Telegraph Co.
South Wellfleet, Mass.	WCC	300, 600, 2100.	PG	X	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.

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 a. m.

² 8 a. m. to 10 a. m.; 3 p. m. to 5 p. m.; 8 p. m. to 10 p. m.

³ Station owned by Atlantic Communication Co. and operated temporarily by the U. S. Navy.

⁴ 8 a. m. to noon; 1 p. m. to 5 p. m.

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

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours of operation.	Station controlled by—
St. Petersburg, Fla.	WIX	300, 395, 600..	PR	(¹)	C. C. Brown.
Tampa, Fla.....	WPD	300, 510, 600..	PG	(²)	Marconi Co.
Tatoosh, Wash.....	NPD	600.....	PG	N	U. S. Navy.
Teller, Alaska.....	KWT	.....	PR	.....	Max R. Hirsch- berg.
Tuckerton, N. J....	WGG	8600.....	PR	N	(³)
Tutuila, Samoa....	NPU	600.....	PG	.....	U. S. Navy.
Ugashik, Alaska....	KMU	300, 500, 600..	PR	X	Red Salmon Can- ning Co.
Underwood, Wash...	KGO	300, 600, 1700.	PR	X	Northwestern Elec. Co.
Victor, Colo.....	KIW	575.....	PR	(⁴)	Ajax Gold Mining Co.
Virginia Beach, Va..	WSY	300, 550, 600..	PG	N	Marconi Co.
Wahiawa, Hawaiï...	KHK	300, 575, 600..	{ PG PR }	{ N N }	Mutual Telephone Co. (Ltd.).
Washington, D. C. (Arlington).	NAA	.....	O	N	U. S. Navy.
Washington, D. C. (Navy Yard).	NAL	.....	O	N	U. S. Navy.
Washington, D. C. (Capitol).	NZW	250, 650, 1000.	O	X	Supt. U. S. Capi- tol Building and Grounds.
Washington, D. C. (Army Signal Corps Laboratory).	WUP	.....	O	.....	U. S. Army.
Washington, D. C. (Bureau of Stand- ards).	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, Minda- nao Isld., P. I.	WVW	600, 1200.....	PG	7 a. m. to 7.30 p. m.	Insular Govt., Phil- ippine Islds.

¹ 8 a. m. to 11 a. m.; 1 p. m. to 5 p. m.; 7.30 p. m. to 8 p. m.

² 6 a. m. to 8 a. m.; 10 a. m. to 1 p. m.; 4 p. m. to 7 p. m.

³ Station owned by Atlantic Communication Co. and operated temporarily by the U. S. Navy.

⁴ 9 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.	Service.	Owner of vessel (line).	Station controlled by—
Abangarez.....	KDI	300, 600..	PG	Abangarez S. S. Corp.	Tropical Radio Telegraph Co. U. S. Navy.
Abarenda.....	NOB	600.....	PG	Government.....	U. S. Navy.
Achilles.....	KPT	300, 600..	PG	Maryland Steel Co....	Marconi Co.
Acme.....	KIJ	300, 600..	PG	Standard Transp. Co.	Marconi Co.
Acushnet.....	NRU	300, 600..	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	.....do.....	Vessel owner.
Admiral Farragut..	WAF	300, 600..	PG	.....do.....	Vessel owner.
Admiral Schley....	WAZ	300, 600..	PG	.....do.....	Vessel owner.
Admiral Watson...	WAW	300, 450, 550, 600.	PG	.....do.....	Vessel owner.
Advance.....	KMV	300, 450, 550, 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.
Alabama.....	NBI	300, 600..	PG	Government.....	U. S. Navy.
Alamance.....	WKZ	300, 450, 600.	PG	Garland S. S. Corp..	Vessel owner.
Alameda.....	WAA	300, 600..	PG	Alaska S. S. Co.....	Vessel owner.
Alamo.....	KEJ	300, 600..	PG	Mallory S. S. Co.....	Marconi Co.
Alaska.....	WWS	300, 435, 540, 600.	PG	Alaska S. S. Co.....	Vessel owner.
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, 1800.	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.
Alicia.....	KZB	300, 600..	PG	Alfred I. du Pont....	Vessel owner.
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 Radio Telegraph Co. Vessel owner.
Aloha.....	KYH	300, 450, 600.	PG	Arthur Curtiss James.	Vessel owner.
Alvina.....	WEY	300, 600..	P	Thomas F. Cole.....	Vessel owner.
Amazonia.....	KOO	300, 450, 600.	PG	R. Lawrence Smith, (Inc).	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—
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..	PG	do.....	U. S. Navy.
Ancon.....	KMS	300, 400, 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.
Anne W.....	WMU	300, 600..	PG	Hosford Transp. Co.	
Antilla.....	KWD	300, 450, 600.	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Antilles.....	KKA	300, 450, 600.	PG	Southern Pacific Co..	Marconi Co.
Apache.....	KVA	300, 450, 600.	PG	Clyde S. S. Co.....	Marconi Co.
Apache.....	NRP	300, 600..	PG	Government.....	U. S. C. G.
Arapahoe.....	KVB	300, 450, 600.	PG	Clyde S. S. Co.....	Marconi Co.
Arborean.....	WLS	300, 450, 600.	PG	American-Hawaiian S. S. Co.	Marconi Co.
Ardmore.....	KIA	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Arethusa.....	NBU	600.....	PG	Government.....	U. S. Navy.
Argyll.....	WTB	300, 600, 1800.	PG	Union S. S. Co. (Union Oil Co.).	Federal Tele-graph 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	Pacific-Alaska Nav. Co.	Marconi Co.
Artisan.....	WKW	300, 450, 600.	PG	American-Hawaiian S. S. Co.	Marconi Co.
Ashtabula.....	WEZ	300, 600..	PG	Pennsylvania & Ontario Nav. Co.	Marconi Co.
Astral.....	KIQ	300, 450, 600.	PG	Standard Transporta-tion Co.	Marconi Co.
Asuncion.....	WTX	300, 600..	PG	Standard Oil Co. of Cal.	Marconi Co.
Atenas.....	KDK	300, 600..	PG	Atenas S. S. Corp....	Tropical Ra-dio Tele-graph Co.
Atlanta.....	KGR	300, 600..	PG	Cuba Improvement & S. S. Co.	Vessel owner.
Atlantic.....	KIK	300, 600..	PG	New York Interocean & Coastwise S. S. Co.	Marconi Co.
Atlas.....	WTT	300, 450, 600.	PG	Standard Oil Co. of Cal.	Marconi Co.
Aylwin.....	NIH	300, 600..	PG	Government.....	U. S. Navy.
Azaiea.....	NLO	300, 600..	PG	Government.....	U. S. Dept. of Labor.
Aztec.....	KZG	300, 600..	PG	A. C. Burrage.....	
Aztec.....	WWQ	300, 600..	PG	Pacific Mail S. S. Co.	Marconi Co.
Bache.....	NLK	300, 400, 600.	O	Government.....	U. S. Dept. of Commerce.

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

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Bacoi.....	KJU	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Bailey.....	NCF	300, 600..	PG	Government.....	U. S. Navy.
Bainbridge.....	NIA	300, 600..	PG	do.....	U. S. Navy.
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.
Bayamon.....	KDX	300, 600..	PG	Vacuum Oil Co.....	Marconi Co.
Bay State.....	KRE	300, 600..	PG	Eastern S. S. Corp... Standard Oil Co. of N. J.	Marconi Co. Vessel owner.
Bayway.....	KSR	300, 600..	PG	Government.....	U. S. Navy.
Beale.....	NCL	300, 600..	PG	do.....	U. S. C. G.
Bear.....	NRB	300, 600..	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
Beaver.....	WWB	300, 600..	PG	Eastern S. S. Corp... Government.....	Marconi Co. U. S. Navy.
Belfast.....	KRD	300, 600..	PG	Merchants & Miners Transp. Co.	
Benham.....	NIJ	300, 600..	PG	Alaska - Portland Packers' Assn.	Marconi Co.
Berkshire.....	KQB	300, 600..	PG	Colonial Nav. Co.....	Nat. Elec. Sig- naling Co.
Berlin.....	WRB	300, 600..	PG	Government.....	U. S. Navy.
Beverly.....	KND	300, 600..	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Birmingham.....	NCN	300, 600..	PG	The Texas Co.....	Marconi Co.
Boston.....	KXA	300, 550, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Brabant.....	KUU	300, 450, 600.	PG	Vacuum Oil Co.....	Marconi Co.
Bradford.....	KNG	300, 450, 600.	PG	Mallory S. S. Co.....	Marconi Co.
Bramell Point.....	KRO	300, 600..	PG	Southern Pacific Co..	Marconi Co.
Brazos.....	KEZ	300, 600..	PG	Standard Transporta- tion Co.	Marconi Co.
Breakwater.....	WBK	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Brilliant.....	XTI	300, 600..	PG	Colonial Nav. Co....	Nat. Elec. Sig- naling Co.
Brindilla.....	KTZ	300, 600..	PG	Government.....	U. S. Navy.
Brockton.....	KNH	300, 600..	PG	Gulf & Southern S. S. Co.	Marconi Co.
Brooklyn.....	NFA	300, 600..	PG	Government.....	U. S. Navy.
Brunswick.....	KOS	300, 600..	PG	Freeport & Tampico Fuel Oil Transp. Co.	Marconi Co.
Brutus.....	NNA	300, 600..	PG	U. S. Steel Products Co.	Marconi Co.
Buccaneer.....	KFO	300, 600..	PG	Government.....	U. S. Navy.
Buenaventura.....	KWA	300, 600..	PG	do.....	U. S. Army.
Buffalo.....	NCU	300, 600..	PG	Eastern S. S. Corp... Government.....	Marconi Co. U. S. Army.
Buford.....	WXA	600.....	PG	do.....	U. S. Navy.
Bunker Hill.....	KJB	300, 600..	PG	Wilmington Transp. Co.	Marconi Co.
Burnside.....	WXR	600.....	O	Government.....	U. S. Navy.
Burrows.....	NCV	300, 600..	PG	do.....	U. S. Navy.
Cabrillo.....	WBV	300, 500, 600.	PG	Petroleum Transp. Co	Marconi Co.
C. A. Canfield.....	WIH	300, 600..	PG	W. R. Grace & Co....	Marconi Co.
Cacique.....	WBE	300, 600..	PG		

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

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Caddo.....	KSK	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
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	
California.....	NCZ	300, 600..	PG	Government.....	U. S. Navy.
California.....	WOR	300, 600..	PG	John A. Hooper	Marconi Co.
Californian.....	WKC	300, 600..	PG	American - Hawaiian S. S. Co.	Vessel owner.
Caloria.....	KSP	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Calvin Austin.....	KRN	300, 600..	PG	Eastern S. S. Corp... New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co. Marconi Co.
Camaguey.....	KWI	300, 450, 600.	PG		
Camden.....	KRC	300, 600..	PG	Eastern S. S. Corp... Barber & Co.....	Marconi Co. Marconi Co.
Camino.....	WQC	300, 600..	PG		
Campana.....	KOM	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Cape Cod.....	KPW	300, 600..	PG	F. H. Ely.....	Marconi Co.
Captain A. F. Lucas	WTV	300, 450, 600.	PG	Standard Oil Co. of Cal.	Marconi Co.
Captain A. M. Wetherill.	WYT	400.....	O.	Government.....	U. S. Army.
Captain Gregory Barrett.	WYP	400.....	O	....do.....	U. S. Army.
Captain Chas. W. Rowell.	WYI	400.....	O	....do.....	U. S. Army.
Captain James Fornance.	WYM	400.....	O	....do.....	U. S. Army.
Captain T. M. Mor- rison.	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.	Vessel owner.
Carolina.....	WFE	300, 600..	PG	Goodrich Transit Co. New York & Porto Rico S. S. Co.	Marconi Co. Marconi Co.
Carolina.....	KGB	300, 450, 600.	PG		
Carolinian.....	KJF	300, 600..	PG	Export Leaf Tobacco Co.	Marconi Co.
Carrillo.....	KDE	300, 600..	PG	Carrillo S. S. Corp...	Tropical Ra- dio Tele- graph Co.
Cartago.....	KDD	300, 600..	PG	Cartago S. S. Corp...	Tropical Ra- dio Tele- graph Co.
Casiana.....	KYE			Edw. L. Doheny.... Government.....	U. S. Navy.
Casin.....	NIK	300, 600..	PG	....do.....	U. S. Navy.
Castine.....	NDA	300, 600..	PG		
Catania.....	WTI	300, 450, 600.	PG	Huasteca Petroleum Co.	Marconi Co.
Celilo.....	WMF	300, 600..	PG	Celilo S. S. Co.....	Marconi Co.
Celtic.....	NDB	300, 600..	PG	Government.....	U. S. Navy.
Centralia.....	WSN	300, 600..	PG	Centralia Co.....	Marconi Co.
Chalmette.....	KKC	300, 450, 600.	PG	Southern Pacific 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—
Charles E. Harwood	WID	300, 600..	PG	Petroleum Transp. Co	Marconi Co.
Charles Pratt.....	KSQ	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Charleston.....	NFE	300, 600..	PG	Government.....	U. S. Navy.
Charlton Hall.....	KLK	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, 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	China Mail S. S. Co..	Marconi Co.
Christopher Colum- bus.	WFJ	300, 600..	PG	Goodrich Transit Co..	Marconi Co.
Cincinnati.....	NDL	300, 600..	PG	Government.....	U. S. Navy.
City of Alpena II..	WEH	300, 450, 500, 600.	PG	Détroit & Cleveland Nav. Co.	Vessel owner.
City of Atlanta.....	KFB	300, 450, 600.	PG	Ocean S. S. Co. (Sav- annah Line).	Marconi Co.
City of Augusta.....	KFJ	300, 450, 600.	PG	Ocean S. S. Co. (Sav- annah Line).	Marconi Co.
City of Bangor.....	KRH	300, 600..	PG	Eastern S. S. Corp... Graham & Morton Transp. Co.	Marconi Co. Marconi Co.
City of Benton Harbor.	WDV	300, 600..	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Buffalo....	WFQ	300, 600..	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Cleveland III.	WEA	300, 600..	PG	Ocean S. S. Co. (Sav- annah Line).	Marconi Co.
City of Columbus..	KFA	300, 450, 600.	PG	Detroit & Cleveland Nav. Co.	Vessel owner.
City of Detroit II..	WEC	300, 450, 500, 600.	PG	.....do.....	Marconi Co.
City of Detroit III..	WEF	300, 600..	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Erie.....	WFP	300, 600..	PG	Standard Oil Co. of N. Y.	Atlantic Com- munication Co.
City of Everett....	KTQ	300, 600..	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Grand Rapids.	WDS	300, 600..	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
City of Lowell.....	KXB	300, 550, 600.	PG	Detroit & Cleveland Nav. Co.	Vessel owner.
City of Mackinac II.	WEB	300, 450, 500, 600.	PG	Ocean S. S. Co. (Sav- annah Line).	Marconi Co.
City of Memphis... ery.	KFD	300, 600..	PG	.....do.....	Marconi Co.
City of Montgom- ery.	KFY	300, 450, 600.	PG	Pacific Mail S. S. Co.	Marconi Co.
City of Para.....	WWF	300, 600..	PG	Pacific Coast Co.....	Marconi Co.
City of Puebla.....	WGQ	300, 600..	PG	Eastern S. S. Corp... Graham & Morton Transp. Co.	Marconi Co. Vessel owner.
City of Rockland..	KRI	300, 600..	PG	Detroit & Cleveland Nav. Co.	Vessel owner.
City of St. Ignace..	WEG	300, 450, 500, 600..	PG	Graham & Morton Transp. Co.	Marconi Co.
City of St. Joseph... ery.	WDT	300, 600..	PG		

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 St. Louis...	KFX	300, 600..	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Savannah...	KFK	300, 450, 600.	PG	.....do.....	Marconi Co.
City of Seattle.....	WGA	300, 600..	PG	Pacific Coast S. S. 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		
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.
Clincher.....	KMC	300, 600..	PG	Clinchfield Nav. Co....	
Colinga.....	WOT	300, 600, 1800.	PG	Union S. S. Co.....	Federal Telegraph Co.
Coamo.....	KGA	300, 450, 600.	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Col. E. L. Drake...	WTS	300, 450, 600.	PG	Standard Oil Co. of Cal.	Marconi Co.
Col. Geo. Armistead.	WYG	600.....	O	Government.....	U. S. Army.
Columbia.....	WBH	300, 600..	PG	Pacific Mail S. S. Co..	
Colon.....	KMX	300, 450, 600.	PG	Panama R. R. Co....	Vessel owner.
Colorado.....	NDN	300, 600..	PG	Government.....	U. S. Navy.
Columbia.....	NGA	300, 600..	PG	.....do.....	U. S. Navy.
Columbia.....	WHC	300, 600..	PG	Henry 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, 450, 600.	PG	Mallory S. S. Co....	Marconi Co.
Comanche.....	KVC	300, 600..	PG	Clyde S. S. Co.....	Marconi Co.
Comanche.....	NRW	300, 600..	PG	Government.....	U. S. C. G.
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..	PG	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, 550, 600.	PG	Colonial Nav. Co....	Nat. Elec. Signaling Co.
Congress.....	WGT	300, 600..	PG	Pacific Coast S. S. Co.	Marconi Co.
Conneaut.....	WCU	300, 600..	PG	Wyandotte Transp. Co.	Marconi Co.
Connecticut.....	NDQ	300, 600..	PG	Government.....	U. S. Navy.
Coppename.....	KBF	300, 600..	PG	Coppename S. S. Corp.	Tropical Radio Telegraph Co.
Cordova.....	WAR	300, 600..	PG	Alaska S. S. Co.....	Vessel owner.
Corning.....	KIH	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Coronado.....	WSO	300, 600..	PG	Coronado Co.....	Marconi Co.
Corsair.....	KYC	300, 600..	PG	J. P. Morgan estate..	Marconi Co.
Corwin.....	WNN				

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

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Costa 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, 450, 600.	PG	Southern Pacific Co..	Marconi Co.
Cretan.....	KQC	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Cristobal.....	KMD	300, 450, 600.	PG	Panama R. R. Co....	Vessel owner.
Crofton Hall.....	KLR	300, 450, 600.	PG	U. S. Steel Products Co.	Marconi Co.
Crook.....	WXB	300, 600..	PG	Government.....	U. S. Army
Cubadist.....	KNV	300, 450, 600.	PG	Cuba Distilling Co...	Marconi Co.
Culgoa.....	NDU	300, 600..	PG	Government.....	U. S. Navy.
Cummings.....	NIL	300, 600..	PG	.....do.....	U. S. Navy.
Curaçao.....	W GK	300, 600..	PG	Pacific Coast Co.....	Marconi Co.
Currier.....	KNU	300, 600..	PG	Cuba Distilling Co...	Marconi Co.
Cushing.....	KSC	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
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...	Vessel owner.
Dade.....	KXU	300, 450, 600.	PG	Miami S. S. Co.....	Marconi Co.
Dakotan.....	WKD	300, 600..	PG	American-Hawaiian S. S. Co.	Marconi Co.
Dauntless.....	WRP	300, 600..	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Dawnlite.....	KPP	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Daylite.....	KPR	300, 600..	PG	.....do.....	Marconi Co.
Dayton.....	KNP	300, 600..	PG	.....do.....	Marconi Co.
Decatur.....	NJC	300, 600..	PG	Government.....	U. S. Navy.
Defiance.....	WRP	300, 600..	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Delaware.....	NEK	300, 600..	PG	Government.....	U. S. Navy.
Delaware Sun.....	KTW	300, 600..	PG	Sun Co.....	Marconi Co.
Denver.....	NEM	300, 600..	PG	Government.....	U. S. Navy.
Des Moines.....	NEN	300, 600..	PG	.....do.....	U. S. Navy.
De Soto.....	KNI	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Despatch.....	WOA	300, 600..	PG	Border Line Transp. Co.	Marconi Co.
Diana.....	KZM	.....	.....	C. Ledyard Blair....	Marconi Co.
Dix.....	WXC	600.....	PG	Government.....	U. S. Army.
Dixie.....	NEP	300, 600..	PG	.....do.....	U. S. Navy.
D. N. Luckenbach.	KGW	300, 600..	.....	Edgar F. Luckenbach.	Marconi Co.
Dochra.....	KGL	300, 600..	PG	La Plata S. S. Co....	Marconi Co.
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....	Vessel owner.
Dorchester.....	KQD	300, 600..	PG	Merchants & Miners' 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—
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.....	U. S. Navy.
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.
Ecuador.....	WBN	300, 600..	PG	Pacific Mail S. S. Co.	
Edgar F. Luckenbach.	KGK	300, 450, 530, 600.	PG	Luckenbach Co. (Inc.).	Vessel owner.
Edward I. Doheny.	WIE	300, 475, 600.	PG	Petroleum Transp. Co.	Marconi Co.
El Alba.....	KKL	300, 450, 600.	PG	Southern Pacific Co..	Marconi Co.
Elcano.....	NFD	300, 600..	PG	Government.....	U. S. Navy.
El Capitan.....	WNB	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
El Cid.....	KKT	300, 600..	PG	Southern Pacific Co..	Marconi Co.
El Dia.....	KKY	300, 450, 600.	PG	.....do.....	Marconi Co.
Ellington.....	NLN	300, 600..	O	Government.....	U. S. Dept. of Labor.
El Mundo.....	KKU	300, 600..	PG	Southern Pacific Co..	Marconi Co.
El Norte.....	KKN	300, 450, 600.	PG	.....do.....	Marconi Co.
El Occidente.....	KKX	300, 600..	PG	.....do.....	Marconi Co.
El Oriente.....	KKV	300, 450, 600.	PG	.....do.....	Marconi Co.
El Rio.....	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, 450, 600.	PG	.....do.....	Marconi Co.
El Sud.....	KKQ	300, 450, 600.	PG	.....do.....	Marconi Co.
El Valle.....	KKW	300, 600..	PG	.....do.....	Marconi Co.
Enterprise.....	WMN	300, 600..	PG	Matson Nav. Co.....	Marconi Co.
Eocene.....	KTM	300, 600..	PG	Standard Transp. Co.	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.
Esperanza.....	KWZ	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Essex.....	KQE	300, 600..	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Eurana.....	KJG	300, 450, 600.	PG	Walker, Armstrong & Co.	Marconi Co.
Evangeline.....	KII	300, 600..	PG	Evangeline Co.....	Marconi Co.
Excelsior.....	KKO	300, 465, 600.	PG	Southern Pacific Co..	Marconi Co.
Expansion.....	WOH	300, 600..	PG	North Alaska Salmon Co.	Vessel owner.
Explorer.....	NLI	300, 600..	O	Government.....	U. S. Dept. of Commerce.

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

Vessel.	Call signal.	Wave lengths.	Service	Owner of vessel (line).	Station controlled by—
F-1.....	NXU	300, 600..	PG	Government.....	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.
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.
Fearless.....	WRP	300, 600..	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Finland.....	KSF	300, 600..	PG	International Mercantile Marine Co. (Panama-Pacific Line).	Marconi Co.
Florence Luckenbach.....	WNM	300, 600..	PG	Luckenbach Co. (Inc.).	Marconi Co.
Florida.....	KUS	300, 600..	PG	The Texas Co.....	Marconi Co.
Florida.....	NFR	300, 600..	PG	Government.....	U. S. Navy.
Floridian.....	WLR	300, 450, 600.	PG	American-Hawaiian S. S. Co.	Marconi Co.
Flusser.....	NFS	300, 600..	PG	Government.....	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.....	Federal Telegraph Co.
Fred'k Luckenbach.....	KGV	300, 600..	PG	Edgar F. Luckenbach.	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.
Galatea.....	WGF	300, 600..	PG	E. L. Ford.....	Marconi Co.
Galveston.....	NGD	300, 600..	PG	Government.....	U. S. Navy.
Gargoyle.....	KRK	300, 450, 600.	PG	Vacuum Oil Co.....	Marconi Co.
General A. M. Randol.....	WYJ	400.....	O	Government.....	U. S. Army.
General E. O. C. Ord.....	WYF	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	400.....	O	.....do.....	U. S. Army.
General Henry J. Hunt.....	WYD	600.....	O	.....do.....	U. S. Army.
General Henry Knox.....	WYE	600.....	O	.....do.....	U. S. Army.
General J. M. Brannan.....	WZV	1200.....	O	.....do.....	U. S. Army.
General John M. Schofield.....	WXW	600.....	O	.....do.....	U. S. Army.
General Nathanael Greene.....	WZR	1200.....	O	.....do.....	U. S. Army.
General R. B. Ayres.....	WYL	600.....	O	.....do.....	U. S. Army.
General R. H. Jackson.....	WYW	400.....	O	.....do.....	U. S. Army.

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

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
General Richard Arnold.	WYY	1200.....	O	Government.....	U. S. Army.
General R. N. Batchelder.	WZW	1200.....	O	.....do.....	U. S. Army.
General Robert Anderson.	WYH	400.....	O	.....do.....	U. S. Army.
General Robert Swartout.	WYU	400.....	O	.....do.....	U. S. Army.
General Royal T. Frank.	WYA	600.....	O	.....do.....	U. S. Army.
General S. B. Holabird.	WYV	400.....	O	.....do.....	U. S. Army.
General S. N. Mills.	WYB	600.....	O	.....do.....	U. S. Army.
General Timothy Pickering.	WZQ	1200.....	O	.....do.....	U. S. Army.
George E. Paddleford.	WIV	300, 450, 600.	PG	Petroleum Transp. Co.	Marconi Co.
Geo. W. Elder.....	WRT	300, 600..	PG	North Pacific S. S. Co.	Marconi Co.
Georgia.....	KUR	300, 450, 600.	PG	Texas Co.....	Marconi Co.
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..	.....	Walker, Armstrong & Co.	Marconi Co.
Gettysburg.....	WCK	300, 600..	.....	Moore & McCormick Co. (Inc.).	.....
Glacier.....	NGH	300, 600..	PG	Government.....	U. S. Navy.
Glenpool.....	KOH	300, 450, 600.	PG	Standard Oil Co. of N. J.	Vessel owner.
Gloucester.....	KQG	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Gloucester.....	NSL	300, 600..	.....	Government.....	U. S. Navy.
Goldsborough.....	NGJ	300, 600..	PG	.....do.....	U. S. Navy.
Gold Shell.....	WIB	300, 450, 600.	PG	Gold Shell S. S. Co..	Marconi Co.
Goliah.....	WPG	300, 600..	PG	Puget Sound Tug Boat Co.	Vessel owner.
Governor.....	WGR	300, 600..	PG	Pacific Coast S. S. Co.	Marconi Co.
Governor Cobb....	KRB	300, 600..	PG	Eastern S. S. Corp...	Marconi Co.
Governor Dingley.	KRV	300, 600..	PG	.....do.....	Marconi Co.
Gov. Forbes.....	WJA	300, 600..	PG	Ynchausti Co.....	Vessel owner.
Grace Dollar.....	WSF	300, 600..	PG	Grace Dollar S. S. Co.	Marconi Co.
Great Northern....	WIR	300, 450, 600.	PG	Great Northern Pacific S. S. Co.	Marconi Co.
Grecian.....	KQR	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Gresham.....	NRG	300, 600, 750.	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.
Gulflight.....	KUA	300, 600..	PG	.....do.....	Marconi Co.
Gulfoil.....	KTG	300, 600..	PG	.....do.....	Marconi Co.
Gulfstream.....	KTB	300, 600..	PG	.....do.....	Marconi Co.

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

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
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.
Halcyon.....	KZL	300, 425, 600.	P	Dutee W. Flint.....	Vessel owner.
Hamilton.....	KOA	300, 450, 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.
Harry Luckenbach.	KGX	300, 450, 600.	PG	Edgar F. Luckenbach	Marconi Co.
Harvard.....	WRH	300, 600..	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	Federal Tele- graph Co.
Harvester. <i>See The Harvester.</i>					
Hattie Lucken- bach.	WNF	300, 600..	PG	Luckenbach Co. (Inc.).	Marconi Co.
Havana.....	KWH	300, 450, 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.
Healdton.....	KOF	300, 600..	.....	Standard Oil Co. of N. J.	
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 J. Biddle..	WOW	300, 600..	PG	Columbia Contract Co	Vessel owner.
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.
Hercules.....	WRP	300, 600..	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Heredia.....	KDH	300, 600..	PG	Heredia S. S. Corp..	Tropical Ra- dio Tele- graph Co.
Herman Frasch....	KFH	300, 600..	PG	Union Sulphur Co...	Atlantic Com- munication Co.
Hermosa.....	WBP	300, 500, 600.	PR	Wilmington Transp. Co.	Marconi Co.
Hewitt.....	KIL	300, 600..	PG	Union Sulphur Co...	Vessel owner.
H. H. Rogers.....	KSI	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Hilonian.....	WMM	300, 600..	PG	Matson Nav. Co.....	Marconi Co.
Hiram B. Everest..	KRS	300, 600..	PG	Vacuum Oil Co.....	Marconi Co.
Holland.....	WDW	300, 600..	PG	Graham & Morton Transp. Co.	Marconi Co.
Honolulu.....	WKH	300, 600..	PG	American-Hawaiian S. S. Co.	Marconi Co.
Hopkins.....	NHC	300, 600..	PG	Government.....	U. S. Navy.
Howard.....	KQH	300, 450, 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.

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

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Huron.....	KVH	300, 450, 600.	PG	Clyde S. S. Co.....	Marconi Co.
Hyades.....	WMK	300, 600..	PG	Matson Nav. Co.....	Marconi Co.
Iagua.....	WLI	300, 600..	PG	John A. McGregor...	Marconi Co.
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, 450, 600.	PG	Texas S. S. Co.....	Marconi Co.
Illinois.....	NHO	300, 600..	PG	Government.....	U. S. Navy.
Inco No. 1.....	WQA	300, 450, 600.	PG	Inland Nav. Co.....	Marconi 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, 450, 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.....	U. S. Navy.
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, 1800.	PG	Associated Oil Co....	Federal Telegraph Co.
Jacob Jones.....	NKG	300, 600..	PG	Government.....	U. S. Navy
Jamestown.....	KOC	300, 450, 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	Luckenbach Co. (Inc.).	Marconi Co.
J. M. Danziger.....	WIW	300, 450, 600.	PG	Petroleum Transp. Co	Marconi Co.
J. M. Guffey.....	KTF	300, 600..	PG	Gulf Refining Co....	Marconi Co.
John A. Hooper....	WSJ	300, 600..	PG	John A. Hooper Co...	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.
Josephine.....	KZU	.....	.....	Joseph Widener.....	
Joseph Pulitzer....	WPZ	300, 450, 525, 600.	PG	Port of Portland, Oreg.	Vessel owner.
Jouett.....	NIE	300, 600..	PG	Government.....	U. S. Navy.
Juniata.....	KQJ	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Juniata.....	WCB	300, 600..	PG	Erie & Western Transp. Co (Anchor 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—
Jupiter.....	NNC	300, 600..	PG	Government.....	U. S. Navy.
Justin.....	NNJ	300, 600..	PG	.....do.....	U. S. Navy.
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.
Kansas.....	WKK	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Kansas.....	NIO	300, 600..	PG	Government.....	U. S. Navy.
Karina.....	KYR			Theodore P. Burgees.	
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, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Kilpatrick.....	WXD	600.....	PG	Government.....	U. S. Army.
Klamath.....	WSX	300, 600..	PG	Klamath S. S. Co.....	Marconi Co.
Korea.....	WWK	300, 600..	PG	Atlantic Transport Co.	Marconi Co.
Kroonland.....	KSH	300, 600..	PG	International Mercan- tile Marine Co. (Pan- ama-Pacific Line).	Marconi Co.
Kukui.....	NLF	300, 600..	O	Government.....	U. S. Dept. of Commerce.
Kvichak.....	WNS	300, 600..	PG	Alaska Packers' Assa- ciation.	Vessel owner.
La Brea.....	WON	300, 600, 1800.	PG	Union Oil Co.....	Federal Tele- graph Co.
Lakeland.....	WDL	300, 600..	PG	Port Huron & Du- luth S. S. Co.	Marconi Co.
Lakeport.....	WDJ	300, 600..	PG	.....do.....	Marconi Co.
Lakewood.....	WDK	300, 600..	PG	.....do.....	Marconi Co.
Lampasas.....	KEP	300, 450, 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.....	Federal Tele- graph 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, 450, 600.	PG	Clyde S. S. Co.....	Marconi Co.
Leonidas.....	NNH	300, 600..	PG	Government.....	U. S. Navy.
Lewis Luckenbach.	WNH			Luckenbach Co. (Inc.)	Marconi Co.
Lexington.....	KNB	300, 550, 600.	PG	Colonial Nav. Co.....	Nat. Elec. Sig- naling Co.
Lieut. Geo. M. Harris.	WYR	400.....	O	Government.....	U. S. Army.
Ligonier.....	KTD	300, 600..	PG	Gulf Refining Co.....	Marconi Co.
Liscum.....	WXE	600.....	PG	Government.....	U. S. Army.
Logan.....	WXF	600.....	PG	.....do.....	U. S. Army.
Los Angeles.....	WOL	300, 600, 1800.	PG	Union Oil Co.....	Federal 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—
Louisiana	KUL	300, 450, 600.	PG	The Texas Co.	Marconi Co.
Louisiana	NJB	300, 600..	PG	Government	U. S. Navy.
L. Roscoe	NZX	300, 600, 750.	O	.....do.....	Alaskan Engineering Commission.
Lurline	WML	300, 450, 600.	PG	Matson Nav. Co.	Marconi Co.
Lydonia	WDY	300, 600..	PG	W. A. Lydon	Marconi Co.
Lyman Stewart	WTL	300, 600, 1800.	PG	Union Oil Co.	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.
Mackinaw	WHW	300, 600..	PG	George & James Flood.	Vessel owner.
Macona	KFC	300, 450, 600.	PG	Barber & Co. (Inc.)..	Marconi Co.
Madison	KOG	300, 450, 600.	PG	Old Dominion S. S. 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	Atlantic Transport 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, 450, 600.	PG	Matson Nav. Co.	Marconi Co.
Maracaibo	KDM	300, 450, 600.	PG	Atlantic & Carib- bean Steam Nav. Co. (Red D Line).	Marconi Co.
Marblehead	NGK	300, 600..	PG	Government	U. S. Navy.
Marietta	NJQ	300, 600..	PG	.....do.....	Vessel owner.
Marquette & Bes- semer No. 1.	WEW	300, 425, 540, 600.	PR	Marquette & Besse- mer Dock & Nav. Co.	Vessel owner.
Marquette & Bes- semer No. 2.	WEX	300, 425, 540, 600.	PR	.....do.....	Vessel owner.
Mars	NJR	300, 600..	PG	Government	U. S. Navy.
Maryland	NJS	300, 600..	PG	.....do.....	U. S. Navy.
Mascotte	KOW	300, 600..	PG	Peninsular & Occi- dental S. S. Co.	Marconi 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..	PG	Standard Oil Co. of N. J.	Marconi Co.
Matsonia	WMP	300, 450, 600.	PG	Matson Nav. Co.	Marconi Co.
Maverick	WTW	.....	.....	Standard Oil Co. of Cal.	.....

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

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
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, 450, 600.	PG	Mallory S. S. Co.....	Marconi Co.
Merrimack.....	KQM	300, 450, 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.
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, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Miami.....	KOZ	300, 600..	PG	Peninsular & Occi- dental S. S. Co.	Marconi Co.
Miami.....	NRQ	300, 600, 750.	PG	Government.....	U. S. C. G.
Michigan.....	NJZ	300, 600..	PG	.....do.....	U. S. Navy.
Mielero.....	KNT	300, 600..	PG	Cuba Distilling Co..	Marconi Co.
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 Transp. 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, 450, 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, 450, 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	Atlantic Transport 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.

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

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Monterey.....	KWY	300, 450, 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.
Moonlite.....	KPL	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Mooremack.....	WCL	300, 600..	PG	Moore & McCormick Co.	
Moreni.....	KNX	300, 600..	PG	Standard Oil Co. of N. J.	Vessel owner.
Morrill.....	NRC	300, 600..	PG	Government.....	U. S. C. G.
Morro Castle.....	KWC	300, 450, 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.
Mount Hope.....	KOL	300, 600..	P	Providence, Fall River & Newport Steamboat Co.	Vessel owner.
Multnomah.....	WMA	300, 600..	PG	Multnomah S. S. Co..	Marconi Co.
Munamar.....	KUI	300, 600..	PG	Munson S. S. Co.....	Marconi Co.
Munplace.....	KUG	300, 450, 600.	PG	do.....	Marconi Co.
Munsomo.....	KUK	300, 450, 600.	PG	do.....	Marconi Co.
Munwood.....	KUH	300, 600..	PG	do.....	Marconi Co.
Muskogee.....	KIB	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
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, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Nashville.....	NKY	300, 600..	PG	Government.....	U. S. Navy.
Navahoe.....	KOR	300, 600..	PG	R. Lawrence Smith, (Inc.)	Marconi Co.
Navajo.....	WNJ	300, 600..	PG	Navajo S. S. Co.....	Marconi Co.
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.
Neches.....	KEE	300, 450, 600.	PG	Mallory S. S. Co.....	Marconi Co.
Nelson.....	KNL	300, 600..	PG	Cuba Distilling Co...	Marconi Co.
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.
Nevada.....	WFD	300, 600..	PG	Goodrich Transit Co.	Marconi Co.
New Hampshire..	KXF	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Signaling Co.
New Hampshire..	NME	300, 600..	PG	Government.....	U. S. Navy.
New Haven.....	KXN	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Signaling 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.

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

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
New York.....	KSN	300, 600..	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
New York.....	NCC	300, 600..	PG	Government.....	U. S. Navy.
New York.....	KUW	300, 450, 600.	PG	The Texas Co.....	Marconi Co.
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, 465, 600.	PG	Great Northern Pacific S. S. 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.
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, 450, 525, 600.	PG	Pacific-American Fisheries Co.	Vessel owner.
Nueces.....	KEH	300, 600..	PG	Mallory S. S. Co.....	Marconi Co.
Nushagak.....	WNE	300, 400, 500, 600.	PG	Alaska Packers' Association.	Vessel owner.
O'Brien.....	NIV	300, 600..	PG	Government.....	U. S. Navy.
Octorara.....	WCD	300, 600..	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Ohio.....	NMW	300, 600..	PG	Government.....	U. S. Navy.
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, 1800.	PG	Union Oil Co.....	Federal Telegraph Co.
Olivette.....	KOV	300, 450, 600.	PG	Peninsular & Occidental S. S. Co.	Marconi Co.
Onega.....	KGU	300, 600..	PG	Barber & Co. (Inc.)	Marconi Co.
Oneida.....	KYP	300, 550, 600.	P	E. C. Benedict.....	Vessel owner.
Oneonta.....	WPX	300, 600..	PG	Port of Portland, Oreg.	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	300, 600..	PG	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.
Orleanian.....	KON	300, 600..	PG	R. Lawrence Smith (Inc.).	Marconi Co.
Osceola.....	NOA	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—
Oasipee.....	NRJ	300, 600, 750, 1000.	PG	Government.....	U. S. C. G.
Ozark.....	NHH	300, 600..	PG	.....do.....	U. S. Navy.
Paducah.....	NOG	300, 600..	PG	.....do.....	U. S. Navy.
Palos.....	NQS	300, 600..	PG	.....do.....	U. S. Navy.
Pamlico.....	NRR	300, 600..	PG	.....do.....	U. S. C. G.
Pampanga.....	NQT	300, 600..	PG	.....do.....	U. S. Navy.
Panama.....	KMH	300, 450, 600.	PG	Panama R. R. Co....	Vessel owner.
Panaman.....	WKR	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Pan American.....	KUT	300, 450, 600.	PG	The Texas 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.....	KTT	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 Ra- dio Tele- graph Co.
Parker.....	NIX	300, 600..	PG	Government.....	U. S. Navy.
Pastores.....	KLA	300, 600..	PG	Pastores S. S. Corp..	Tropical Ra- dio Tele- graph 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.....	NOM	300, 600..	PG	.....do.....	U. S. Navy.
Paul Jones.....	NOP	300, 600..	PG	.....do.....	U. S. Navy.
Pearl Shell.....	WIC	300, 600..		Pearl Shell S. S. Co..	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, 500, 600.	PG	.....do.....	Marconi Co.
Pere Marquette 19..	WDB	300, 500, 600.	PG	.....do.....	Marconi Co.
Pere Marquette 20..	WDE	300, 500, 600.	PG	.....do.....	Marconi Co.
Perfection.....	KTN	300, 600..	PG	Standard Transpor- tation 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.
Petoskey.....	WDH	300, 600..	PG	Chicago & South Ha- ven 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—
Petrel.....	NOZ	300, 600..	PG	Government.....	U. S. Navy.
Petrolite.....	KIF	300, 425, 600.	PG	Standard Oil Co. of N. J.	Vessel owner.
Philadelphia.....	KDA	300, 450, 600.	PG	Atlantic & Carib- bean Steam Nav. Co. (Red D Line).	Marconi Co.
Philadelphia.....	KSM	300, 600..	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
Pioneer.....	KIG	300, 600..	PG	Standard Oil Co. of N. J.	Vessel owner.
Pioneer.....	WPN	300, 600..	PG	Puget Sound Tug Boat Co.	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. Lucken- bach.	Marconi Co.
Plymouth.....	KXH	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Polarine.....	KOI	300, 450, 600.	PG	Standard Oil Co. of N. J.	Vessel owner.
Pompey.....	NQF	300, 600..	PG	Government.....	U. S. Navy.
Ponce.....	KGP	300, 450, 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, 450, 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 S. S. Co.	Marconi Co.
Preston.....	NQO	300, 600..	PG	Government.....	U. S. Navy.
Princess Anne.....	KOB	300, 450, 600.	PG	Old Dominion S. S. Co.	Marconi Co.
Princeton.....	KST	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
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, 450, 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.
Providencia.....	WIK	300, 600..	PG	Olson & Mahony....	Golden Gate Transp. Co.
Puritan.....	WDU	300, 600..	PG	Graham & Morton Transp. Co.	Marconi Co.
Quantic.....	KQQ	300, 450, 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 Transporta- tion Co.	Marconi Co.
Rainbow.....	NTD	300, 600..	PG	Government.....	U. S. Navy.
Raleigh.....	NTE	300, 600..	PG	.....do.....	U. S. Navy.
Ranger.....	NFU	300, 600..	PG	.....do.....	U. S. Navy.
Ravalli.....	WGI	300, 600..	PG	Pacific Coast 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—
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	300, 600..	PG	Merritt & Chapman Derrick & Wrecking Co.	Vessel owner.
Remlik.....	KZR	300, 600..	PG	Willis S. Kilmer....	Vessel owner.
Reno.....	WYN	300.....	O	Government.....	U. S. Army.
Republic.....	WSU	300, 600..	PG	John A. Hooper.....	Marconi Co.
Rescue.....	KRP	300, 600..	PG	Merritt & Chapman Derrick & Wrecking Co.	Vessel owner.
Restorer.....	WIU	250, 300, 600.	P	Commercial Pacific Cable Co.	Vessel owner.
Reuce.....	WSR	300, 525, 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..	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	300, 450, 600.	PG	State of Florida.....	Vessel owner.
Rochester.....	KDY	300, 450, 600.	PG	Vacuum Oil Co.....	Marconi Co.
Rockingham.....	WKY	300, 450, 600.	PG	Garland S. S. Corp...	Marconi Co.
Roe.....	NTZ	300, 600..	PG	Government.....	U. S. Navy.
Roosevelt.....	NLR	300, 600..	O	.....do.....	U. S. Dept. of Commerce.
Rose City.....	WWR	300, 600..	PG	San Francisco & Portland S. S. Co.	Marconi Co.
Royal Arrow.....	KSW	300, 450, 600.	PG	Standard Transp. Co.	Marconi Co.
Sabine.....	KEB	300, 450, 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.
Samson.....	WOS	300, 600..	PG	Columbia Contract Co.	Vessel owner.
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, 450, 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, 450, 600.	PG	New York & Porto Rico S. S. Co.	Marconi Co.
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.....	KLV	300, 600..	PG	San Mateo S. S. Corp.	Tropical Radio Telegraph Co.
San Ramon.....	WNW	300, 600..	PG	Parr-McCormick 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—
Santa Ana.....	WAL	300, 600..	PG	Alaska S. S. Co.	Vessel owner.
Santa Barbara.....	WBJ	300, 450, 600.	PG	Atlantic & Pacific S. S. Co.	Marconi Co.
Santa Catalina.....	WBC	300, 600..	PG	.....do.....	Marconi Co.
Santa Cecilia.....	WBB	300, 600..	PG	.....do.....	Marconi Co.
Santa Clara.....	WBA	300, 600..	PG	.....do.....	Marconi Co.
Santa Cruz.....	WBD	300, 600..	PG	.....do.....	Marconi Co.
Santa Maria.....	WTF	300, 600..	PG	Santa Maria S. S. Co.	Federal Tele- graph Co.
Santa Marta.....	KLG	300, 600..	PG	Santa Marta S. S. Corp.	Tropical Ra- dio Tele- graph Co.
Santanta.....	KZS	300, 600..	P	Osborne Howes.....	Vessel owner.
Santa Rita.....	WMC	300, 525, 600.	PG	W. R. Grace & Co....	Vessel owner.
Santa Rita.....	WTG	300, 600..	PG	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 Ra- dio Tele- graph Co.
Saratoga.....	KWS	300, 450, 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	Bay S. S. Co. of America (Ltd.).	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	300, 600..	PG	A. J. Drexel.....	Vessel owner.
Scorpion.....	NTT	300, 600..	PG	Government.....	U. S. Navy.
Sea Rover.....	WRP	300, 600..	PG	Ship Owners' & Mer- chants' Tug Boat Co.	Vessel owner.
Security.....	KSJ	300, 600..	PG	Standard Transpor- tation Co.	Marconi Co.
Seeandbee.....	WFS	300, 600..	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
Seguranca.....	KWG	300, 600..	PG	Seguranca S. S. Corp.	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	Gulf Refining Co....	Marconi Co..
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.....	WXK	600.....	PG	.....do.....	U. S. Army.
Sialia.....	WFY	.....	.....	J. K. Stewart.....	Atlantic Com- munication Co.
Sibiria.....	KVS	300, 600..	PG	Bay S. S. Co. Of America (Ltd.).	Marconi Co.
Sierra.....	WHJ	300, 600, 1800.	PG	Oceanic S. S. Co.....	Federal 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—
Silver Shell.....	WIA	300, 450, 600.	PG	Silver Shell S. S. Co.	Marconi Co.
Sixaola.....	KDS	300, 600..	PG	Sixaola S. S. Corp...	Tropical Radio Telegraph Co.
S. M. Fischer.....	WPH	300, 600..	PG	Reid Wrecking Co...	Marconi Co.
Smith.....	NSQ	300, 600..	PG	Government.....	U. S. Navy.
Snohomish.....	NRF	300, 600..	PG	do.....	U. S. C. G.
S. O. Co. No. 91....	WTU	300, 600..	PG	Standard Oil Co. of Cal.	Marconi Co.
S. O. Co. No. 93....	WTY	300, 600..	PG	do.....	Marconi Co.
S. O. Co. No. 95....	WTZ	300, 600..	PG	do.....	Marconi Co.
Socony.....	KTX	300, 600..	PG	Standard Oil Co. of N. Y.	Atlantic Communication Co.
Solace.....	NST	300, 600..	PG	Government.....	U. S. Navy.
Somerset.....	KQS	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Somerset.....	KSU	300, 600..	PG	Standard Oil Co. of N. J.	Vessel owner.
Sonoma.....	WHM	300, 600..	PG	Oceanic S. S. Co....	Federal Telegraph 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 & Georgian Bay S. S. Co.	Marconi Co.
South Carolina....	NSW	300, 600..	PG	Government.....	U. S. Navy.
South Dakota.....	NSX	300, 600..	PG	do.....	U. S. Navy.
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	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Standard II.....	KSA	300, 600..	PG	Standard Transp. Co.	Marconi Co.
Standard Arrow....	KSV	300, 450, 600.	PG	do.....	Marconi Co.
Starlite.....	KPK	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
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.
St. Francis.....	WHH	300, 600..	PG	Alaska Fishermen's Packing Co.	Vessel owner.
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 Packers' Association.	Vessel owner.
St. Paul.....	KSO	300, 600..	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
Stranger.....	NSR	300, 600..	PG	Government.....	
Sucroea.....	KNS	300, 600..	PG	Cuba Distilling Co...	Marconi Co.

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

Vessel.	Call signal.	Wave lengths.	Ser-vice.	Owner of vessel (line).	Station controlled by—
Sumner.....	WXL	600.....	PG	Government.....	U. S. Army.
Sun.....	KTU	300, 600..	PG	Sun Co.....	Marconi Co.
Sunlite.....	KPQ	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Supply.....	NTK	300, 600..	PG	Government.....	U. S. Navy.
Suriname.....	KLI	300, 600..	PG	Suriname S. S. Corp..	Tropical Radio Telegraph Co.
Suruga.....	KGD	300, 450, 600.	PG	Barber & Co.....	Marconi Co.
Suwannee.....	KQZ	300, 450, 600.	PG	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, 750, 1000.	PG	.....do.....	U. S. C. G.
Tamesi.....	WTE	300, 600..	PG	Freeport & Tampico Fuel Oil Transp. Co.	Marconi Co.
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 Radio Telegraph 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.....	KUM	300, 450, 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.
The Limit.....	WCV	300, 600..	PG	Whitney Bros. 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 Radio Telegraph 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.
Tormenter.....	KFN	300, 600..	PG	Freeport & Tampico Fuel Oil Transp. 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 Radio Telegraph Co.
Tuscarora.....	NRL	300, 600..	PG	Government.....	U. S. C. G.
Twilite.....	KPO	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.

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

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Tyee.....	WPC	300, 600..	PG	Puget Sound Tug Boat Co.	Vessel owner.
Ulysses.....	KPU	300, 600..	.....	Panama Canal.....	
Umatilla.....	WGU	300, 600..	PG	Pacific Coast S. S. 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, 600..	P	Morton F. Plant.....	Vessel owner.
Venetia.....	WOV	300, 600..	P	J. D. Spreckles.....	Vessel owner.
Venezuela.....	WBG	300, 600..	.....	Pacific Mail S. S. Co.	
Ventura.....	WHL	300, 600, 1800.	PG	Oceanic S. S. Co.....	Federal Telegraph Co.
Vermont.....	NVK	300, 600..	PG	Government.....	U. S. Navy.
Vesta.....	KTS	300, 600..	PG	Standard Transportation 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	Gaston, Williams & Wigmore.	Marconi Co.
Vigilant.....	KPG	300, 600..	PG	Clinchfield Nav. Co. (Inc.).	Marconi Co.
Villalobos.....	NVP	300, 600..	PG	Government.....	U. S. Navy.
Virginia.....	KFR	300, 600..	PG	Gaston, Williams & Wigmore S. S. Corp.	Marconi Co.
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.....	U. S. Navy.
Vulcan.....	NVT	300, 600..	PG	.....do.....	U. S. Navy.
Wakiva.....	KYI	300, 600..	PG	H. S. Harkness.....	Marconi Co.
Walke.....	NWL	300, 600..	PG	Government.....	U. S. Navy.
Wallula.....	WPY	300, 600..	PG	Port of Portland, Oreg.	Marconi Co.
Wana.....	KYX	300, 600..	P	George C. Sherman.....	Marconi Co.
Wapama.....	WMG	300, 600..	PG	Wapama S. S. 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	.....do.....	U. S. Navy.
Wasp.....	NSV	300, 600..	PG	.....do.....	U. S. Navy.
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.
Westoil.....	KJT	300, 600..	.....	Standard Oil Co. of N. J.	
Western States.....	WED	300, 450, 500, 600.	PG	Detroit & Cleveland Nav. Co.	
West Virginia.....	NWG	300, 600..	PG	Government.....	U. S. Navy.
Westwego.....	KGE	300, 450, 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, 1800.	PG	Union Transp. Co.....	Federal Telegraph Co.
Wico.....	KNN	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.

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

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Wild Duck.....	KYG	300, 600..	PG	Gulf Refining Co....	Marconi Co.
Wilhelmina.....	WMO	300, 450, 600.	PG	Matson Nav. Co.....	Marconi Co.
Willamette.....	WSW	300, 600..	PG	Willamette S. S. Co.	Marconi Co.
Wm. F. Herrin....	WTN	300, 600, 1800.	PG	Associated Oil Co... Fisheries.	Federal Tele- graph Co.
William O'Brien..	KPN	300, 600..	PG	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.
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... Government.....	Marconi Co. U. S. Navy.
Wyoming.....	NWQ	300, 600..	PG	Government.....	U. S. Navy.
Yale.....	WRY	300, 600..	PG	Metropolitan S.S.Co. (Pacific Steam Nav. Co.).	Federal Tele- graph 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... North Pacific S. S. Co.	Marconi Co. Marconi Co.
Yucatan.....	WMY	300, 600..	PG	North Pacific S. S. Co.	Marconi Co.
Zacapa.....	KLE	300, 600..	PG	Zacapa S. S. Corp... Booth Fisheries Co..	Tropical Ra- dio Tele- graph Co. Vessel owner.
Zapora.....	WPQ	300, 600..	PG	Booth Fisheries Co..	Vessel owner.
Zealandia.....	KNR	300, 600..	PG	Fiske Trading Co....	Nat. Elec. Sig- naling Co.
Zulia.....	KDZ	300, 450, 600.	PG	Atlantic & Carrib- bean 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	KEN	.....
KDB	Caracas..... b	KEO	.....
KDC	Douglas, Ariz..... c	KEP	Lampasas..... b
KDD	Cartago..... b	KEQ	.....
KDE	Carrillo..... b	KER	.....
KDF	Coppename..... b	KES	San Jacinto..... b
KDG	Parismina..... b	KET	Bolinas, Cal..... c
KDH	Heredia..... b	KEU	.....
KDI	Abangarez..... b	KEV	.....
KDJ	.....	KEW	.....
KDK	Atenas..... b	KEX	Los Angeles, Cal..... c
KDL	.....	KEY	.....
KDM	Maracaibo..... b	KEZ	Brazos..... b
KDN	.....	KFA	City of Columbus..... b
KDO	.....	KFB	City of Atlanta..... b
KDP	Portland, Oreg..... c	KFC	Macona..... b
KDQ	.....	KFD	City of Memphis..... b
KDR	.....	KFE	.....
KDS	Sixoala..... b	KFF	.....
KDT	Turrialba..... b	KFG	.....
KDU	Juneau, Alaska..... c	KFH	Herman Frasch..... b
KDV	.....	KFI	I. D. Fletcher..... b
KDW	.....	KFJ	City of Augusta..... b
KDX	Bayamon..... b	KFK	City of Savannah..... b
KDY	Rocheeter..... b	KFL	.....
KDZ	Zulia..... b	KFM	.....
KEA	.....	KFN	Tormenter..... b
KEB	Sabine..... b	KFO	Buccaneer..... b
KEC	Concho..... b	KFP	Nacoochee..... b
KED	.....	KFQ	.....
KEE	Neches..... b	KFR	Virginia..... b
KEF	.....	KFS	San Francisco, Cal..... c
KEG	Rio Grande..... b	KFT	Tasco..... b
KEH	Nueces..... b	KFU	Lents, Oreg..... c
KEI	Medina..... b	KFV	.....
KEJ	Alamo..... b	KFW	.....
KEK	San Marcos..... b	KFX	City of St. Louis..... b
KEL	.....	
KEM	Comal..... b		

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

Call signal.	Station.	Call signal.	Station.
KFY	City of Montgomery..... b	KHU	.....
KFZ	Inglewood, Cal..... c	KHV	.....
KGA	Coamo..... b	KHW	.....
KGB	Carolina..... b	KHX	Heeia Point, Hawaii..... c
KGC	.....	KHY	.....
KGD	Suruga..... b	KHZ	.....
KGE	Westwego..... b	KIA	Ardmore..... b
KGF	.....	KIB	Muskogee..... b
KGG	.....	KIC	Standard..... b
KGH	Hollister, Cal..... c	KID	Matinicock..... b
KGI	Oakland, Cal..... c	KIE	Koko Head, Hawaii..... c
KGJ	San Juan..... b	KIF	Petrolite..... b
KGK	Edgar F. Luckenbach..... b	KIG	Pioneer..... b
KGL	Dochra..... b	KIH	Corning..... b
KGM	Mexicano..... b	KII	Evangeline..... b
KGN	Albina, Oreg..... c	KIJ	Acme..... b
KGO	Underwood, Wash..... c	KIK	Atlantic..... b
KGP	Ponce..... b	KIL	Hewitt..... b
KGQ	.....	KIM	.....
KGR	Atlanta..... b	KIN	.....
KGS	Senator Bailey..... b	KIO	.....
KGT	J. L. Luckenbach..... b	KIP	.....
KGU	Onega..... b	KIQ	Astral..... b
KGV	Fred'k Luckenbach..... b	KIR	.....
KGW	D. N. Luckenbach..... b	KIS	.....
KGX	Harry Luckenbach..... b	KIT	.....
KGY	.....	KIU	.....
KGZ	.....	KIV	Iditarod, Alaska..... c
KHA	Larsen Bay, Alaska..... c	KIW	Victor, Colo..... c
KHB	Koggiung, Alaska..... c	KIX	Denver, Colo..... c
KHC	Chignik, Alaska..... c	KIY	Colorado Springs, Colo..... c
KHD	.....	KIZ	Brooks, Alaska..... c
KHE	.....	KJA	Jualin, Alaska..... c
KHF	Snag Point, Alaska..... c	KJB	Bunker Hill..... b
KHG	Clarks Point, Alaska..... c	KJC	.....
KHH	.....	KJD	North Land..... b
KHI	.....	KJE	Georgiana..... b
KHJ	Koko Head, Hawaii..... c	KJF	Carolinian..... b
KHK	Wahiawa, Hawaii..... c	KJG	Eurana..... b
KHL	Lahaina, Hawaii..... c	KJH	.....
KHM	Lihue, Hawaii..... c	KJI	Satsuma..... b
KHN	Kawaihae, Hawaii..... c	KJJ	.....
KHO	Kaunakakai, Hawaii..... c	KJK	.....
KHP	.....	
KHQ	Phoenix, Ariz..... c		
KHR	.....	
KHS	.....	
KHT	Nakuek, Alaska..... c		

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

Call signal.	Station.	Call signal.	Station.
KJL	.....	KLF	Metapan..... b
KJM	Massachusetts..... b	KLG	Santa Marta..... b
KJN	.....	KLH	Saramacca..... b
KJO	Old Colony..... b	KLI	Suriname..... b
KJP	.....	KLJ	.....
KJQ	.....	KLK	Craster Hall..... b
KJR	Rialto, Cal..... c	KLL	.....
KJE	North Star..... b	KLM	Bantu..... b
KJT	Westoil..... b	KLN	Kentra..... b
KJU	Bacoi..... b	KLO	Santa Rosalia..... b
KJV	.....	KLP	.....
KJW	.....	KLQ	.....
KJX	.....	KLR	Crofton Hall..... b
KJY	.....	KLS	Los Angeles, Cal..... c
KJZ	.....	KLT	Howick Hall..... b
KKa	Antilles..... b	KLU	Charlton Hall..... b
KKB	El Sol..... b	KLV	San Mateo..... b
KKC	Chalmette..... b	KLW	.....
KKD	Comus..... b	KLX	.....
KKE	Topila..... b	KLY	.....
KKF	.....	KLZ	.....
KKG	.....	KMA	Alliança..... b
KKH	.....	KMB	.....
KKI	.....	KMC	Clincher..... b
KKJ	.....	KMD	Cristobal..... b
KKK	.....	KME	.....
KKL	El Alba..... b	KMF	Egegak, Alaska..... c
KKM	Momus..... b	KMG	Nushagak, Alaska..... c
KKN	El Norte..... b	KMH	Panama..... b
KKO	Excelsior..... b	KMI	Tivives..... b
KKP	Proteus..... b	KMJ	.....
KKQ	El Sud..... b	KMK	Naknek, Alaska..... c
KKR	Creole..... b	KML	Alockanok River, Alaska..... c
KKs	El Siglo..... b	KMM	Panuco..... b
KKT	El Cid..... b	KMN	.....
KKU	El Mundo..... b	KMO	.....
KKV	El Oriente..... b	KMP	Metha Nelson..... c
KKW	El Valle..... b	KMQ	.....
KKX	El Occidente..... b	KMR	.....
KKY	El Dia..... b	KMS	Ancon..... b
KKZ	El Rio..... b	KMT	Hales Creek, Alaska..... c
KLA	Pastores..... b	KMU	Ugashik, Alaska..... c
KLb	Tenadores..... b	KMV	Advance..... b
KLc	Calamares..... b	KMW	Akutan, Alaska..... c
KLd	Almirante..... b	KMX	Colon..... b
KLf	Zacapa..... b		

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

Call signal.	Station.	Call signal.	Station.
KMY	.....	KOU	.....
KMZ	.....	KOV	Olivette..... b
KNA	Dorothy Bradford..... b	KOW	Mascotte..... b
KNB	Lexington..... b	KOX	Henry M. Flagler..... b
KNC	Concord..... b	KOY	.....
KND	Beverly..... b	KOZ	Miami..... b
KNE	.....	KPA	Seattle, Wash..... c
KNF	.....	KPB	Ketchikan, Alaska..... c
KNG	Bradford..... b	KPC	Astoria, Oreg..... c
KNH	Brockton..... b	KPD	.....
KNI	De Soto..... b	KPE	Seattle, Wash..... c
KNJ	Sandy Hook..... b	KPF	.....
KNK	New York..... b	KPG	Vigilant..... b
KNL	Nelson..... b	KPH	Hillcrest, Cal..... c
KNM	Millinocket..... b	KPI	Avalon, Cal..... c
KNN	Wico..... b	KPJ	East San Pedro, Cal..... c
KNO	Trinidadian..... b	KPK	Starlite..... b
KNP	Dayton..... b	KPL	Moonlite..... b
KNQ	.....	KPM	Eureka, Cal..... c
KNR	Zealandia..... b	KPN	William O'Brien..... b
KNS	Sucrosa..... b	KPO	Twilite..... b
KNT	Miellero..... b	KPP	Dawnlite..... b
KNU	Currier..... b	KPQ	Sunlite..... b
KNV	Cubadist..... b	KPR	Daylite..... b
KNW	.....	KPS	Satellite..... b
KNX	Moreni..... b	KPT	Achilles..... b
KNY	.....	KPU	Ulysses..... b
KNZ	.....	KPV	.....
KOA	Hamilton..... b	KPW	Cape Cod..... b
KOB	Princess Anne..... b	KPX	Marshfield, Oreg..... c
KOC	Jamestown..... b	KPY	.....
KOD	Jefferson..... b	KPZ	.....
KOE	Communipaw..... b	KQA	.....
KOF	Healdton..... b	KQB	.....
KOG	Madison..... b	KQC	Cretan..... b
KOH	Glenpool..... b	KQD	Dorchester..... b
KOI	Polarine..... b	KQE	Essex..... b
KOJ	.....	KQF	.....
KOK	.....	KQG	Gloucester..... b
KOL	Mount Hope..... b	KQH	Howard..... b
KOM	Campana..... b	KQI	.....
KON	Orleanian..... b	KQJ	Juniata..... b
KOO	Amazonia..... b	KQK	Kershaw..... b
KOP	.....	KQL	.....
KOQ	.....	KQM	Merrimack..... b
KOR	Navahoe..... b	KQN	Nantucket..... b
KOS	Brunswick..... b	KQO	Ontario..... b
KOT	.....	

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

Call signal.	Station.	Call signal.	Station.
KQP	.....	KSI	H. H. Rogers..... b
KQQ	Quantico..... b	KSJ	Security..... b
KQR	Grecian..... b	KSK	Caddo..... b
KQS	Somerset..... b	KSL	St. Louis..... b
KQT	.....	KSM	Philadelphia..... b
KQU	.....	KSN	New York..... b
KQV	.....	KSO	St. Paul..... b
KQW	.....	KSP	Caloria..... b
KQX	Persian..... b	KSQ	Charles Pratt..... b
KQY	Powhatan..... b	KSR	Bayway..... b
KQZ	Suwannee..... b	KSS	South San Francisco, Cal.... c
KRA	Francis Hanify..... b	KST	Princeton..... b
KRB	Governor Cobb..... b	KSU	Somerset..... b
KRC	Camden..... b	KSV	Standard Arrow..... b
KRD	Belfast..... b	KSW	Royal Arrow..... b
KRE	Bay State..... b	KSX	.....
KRF	.....	KSY	.....
KRG	.....	KSZ	.....
KRH	City of Bangor..... b	KTA	Larimer..... b
KRI	City of Rockland..... b	KTB	Gulfstream..... b
KRJ	Relief..... b	KTC	Shenango..... b
KRK	Gargoyle..... b	KTD	Ligonier..... b
KRL	.....	KTE	Winifred..... b
KRM	.....	KTF	J. M. Guffey..... b
KRN	Calvin Austin..... b	KTG	Gulfoil..... b
KRO	Bramell Point..... b	KTH	Illinois..... b
KRP	Rescue..... b	KTI	Brilliant..... b
KRQ	.....	KTJ	Comet..... b
KRR	Mills..... b	KTK	John D. Archbold..... b
KRS	Hiram B. Everest..... b	KTL	Rayo..... b
KRT	San Francisco..... b	KTM	Eocene..... b
KRU	.....	KTN	Perfection..... b
KRV	Governor Dingley..... b	KTO	John D. Rockefeller..... b
KRW	Roche Harbor, Wash..... c	KTP	.....
KRX	.....	KTQ	City of Everett..... b
KRY	.....	KTR	Radiant..... b
KRZ	.....	KTS	Vesta..... b
KSA	Standard II..... b	KTT	Paraguay..... b
KSB	Motano..... b	KTU	Sun..... b
KSC	Cushing..... b	KTV	Toledo..... b
KSD	San Diego, Cal..... c	KTW	Delaware Sun..... b
KSE	Platuria..... b	KTX	Socony..... b
KSF	Finland..... b	KTY	.....
KSG	Baton Rouge..... b	KTZ	Brindilla..... b
KSH	Kroonland..... b	KUA	Gulflight..... b
		KUB	.....
		KUC	.....
		KUD	.....
		KUE	Gulfcoast..... b

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

Call signal.	Station.	Call signal.	Station.
KUF	.....	KVX	.....
KUG	Munplace..... b	KVY	.....
KUH	Munwood..... b	KVZ	Relay..... b
KUI	Munamar..... b	KWA	Buenaventura..... b
KUJ	.....	KWB	.....
KUK	Munsomo..... b	KWC	Morro Castle..... b
KUL	Louisiana..... b	KWD	Antilla..... b
KUM	Texas..... b	KWE	Santiago..... b
KUN	Alabama..... b	KWF	.....
KUO	Northweste.n..... b	KWG	Seguranca..... b
KUP	.....	KWH	Havana..... b
KUQ	.....	KWI	Camaguey..... b
KUR	Georgia..... b	KWJ	.....
KUS	Florida..... b	KWK	W. B. Keene..... b
KUT	Pan American..... b	KWL	.....
KUU	Brabant..... b	KWM	.....
KUV	.....	KWN	Guantanamo..... b
KUW	New York..... b	KWO	.....
KUX	.....	KWP	.....
KUY	.....	KWQ	.....
KUZ	.....	KWR	Port Moller, Alaska..... b
KVA	Apache..... b	KWS	Saratoga..... b
KVB	Arapahoe..... b	KWT	Teller, Alaska..... c
KVC	Comanche..... b	KWU	.....
KVD	.....	KWV	Vigilancia..... b
KVE	.....	KWW	.....
KVF	Iroquois..... b	KWX	Mexico..... b
KVG	Algonquin..... b	KWY	Monterey..... b
KVH	Huron..... b	KWZ	Esperanza..... b
KVI	.....	KXA	Boston..... b
KVJ	.....	KXB	City of Lowell..... b
KVK	Cherokee..... b	KXC	.....
KVL	Lenape..... b	KXD	Maine..... b
KVM	Mohawk..... b	KXE	Mohawk..... b
KVN	.....	KXF	New Hampshire..... b
KVO	.....	KXG	.....
KVP	.....	KXH	Plymouth.....
KVQ	.....	KXI	Priscilla..... b
KVR	.....	KXJ	Providence..... b
KVS	Sarnia..... b	KXK	.....
KVT	Siberia..... b	KXL	City of Taunton..... b
KVU	.....	KXM	Mohegan..... b
KVV	Kogitung, Alaska..... c	KXN	New Haven..... b
KVW	.....	KXO	.....
		KXP	Pequonnock..... b
		KXQ	Chester W. Chapin..... b
		KXR	Richard Peck..... b

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

Call signal.	Station.	Call signal.	Station.
KXS	.....	KZH	.....
KXT	.....	KZI	.....
KXU	Dade.....b	KZJ	.....
KXV	.....	KZK	.....
KXW	.....	KZL	Halcyon.....b
KXX	.....	KZM	Guiana.....b
KXY	.....	KZN	Roamer.....b
KXZ	.....	KZO	.....
KYA	.....	KZP	.....
KYB	North Wind.....b	KZQ	.....
KYC	Corsair.....b	KZR	Remlik.....b
KYD	Cyprus.....b	KZS	Santanta.....b
KYE	Casiana.....b	KZT	.....
KYF	.....	KZU	Josephine.....b
KYG	Wild Duck.....b	KZV	.....
KYH	Aloha.....b	KZW	.....
KYI	Wakiva.....b	KZX	.....
KYJ	Sayonara.....b	KZY	.....
KYK	Kismet.....b	KZZ	.....
KYL	Lysistrata.....b	NAA	Washington, D. C.....c
KYM	.....	NAB	Portland, Me.....c
KYN	Niagara.....b	NAC	Portsmouth, N. H.....c
KYO	Noma.....b	NAD	Boston, Mass.....c
KYP	Oneida.....b	NAE	North Truro, Mass.....c
KYQ	California.....b	NAF	Newport, R. I.....c
KYR	Karina.....b	NAG	Fire Island, Long Island, N. Y.c
KYS	.....	NAH	New York (Brooklyn), N. Y..c
KYT	Vanadis.....b	NAI	Philadelphia, Pa.....c
KYU	Mohawk.....b	NAJ	Great Lakes, Ill.....c
KYV	.....	NAK	Annapolis, Md.....c
KYW	Wayfarer.....b	NAL	Washington, D. C.....c
KYX	Wana.....b	NAM	Norfolk, Va.....c
KYY	.....	NAN	Beaufort, N. C.....c
KYZ	.....	NAO	Charleston, S. C.....c
KZA	Alberta.....b	NAP	St. Augustine, Fla.....c
KZB	Alicia.....b	NAQ	Jupiter, Fla.....c
KZC	Aztec.....b	NAR	Key West, Fla.....c
KZD	.....	NAS	Pensacola, Fla.....c
KZE	.....	NAT	New Orleans, La.....c
KZF	.....	NAU	San Juan, P. R.....c
KZG	.....	NAV	Port Royal, S. C.....c
		NAW	Guantanamo Bay, Cuba.....c
		NAX	Colon, Panama.....c
		NAY	Point Isabel, Tex.....c

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

Call signal.	Station.	Call signal.	Station.
NAZ	.....	NCK	.....
NBA	Darien, Panama.....c	NCL	Beale.....b
NBB	.....	NCM	.....
NBC	.....	NCN	Birmingham.....b
NBD	.....	NCO	.....
NBE	.....	NCP	.....
NBF	.....	NCQ	.....
NBG	Indianhead, Md.....c	NCR	.....
NBH	Ajax.....b	NCS	.....
NBI	Alabama.....b	NCT	.....
NBJ	Albany.....b	NCU	Buffalo.....b
NBK	.....	NCV	Burrows.....b
NBL	Alert.....b	NCW	.....
NBM	.....	NCX	.....
NBN	.....	NCY	Caesar.....b
NBO	.....	NCZ	California.....b
NBP	Ammen.....b	NDA	Castine.....b
NBQ	.....	NDB	Celtic.....b
NBR	Annapolis.....b	NDC	.....
NBS	.....	NDD	.....
NBT	.....	NDE	.....
NBU	Arethusa.....b	NDF	.....
NBV	Arkansas.....b	NDG	Chester.....b
NBW	.....	NDH	Cheyenne.....b
NBX	.....	NDI	Chicago.....b
NBY	.....	NDJ	.....
NBZ	.....	NDK	.....
NCA	.....	NDL	Cincinnati.....b
NCB	.....	NDM	Cleveland.....b
NCC	New York.....b	NDN	Colorado.....b
NCD	Texas.....b	NDO	.....
NCE	.....	NDP	.....
NCF	Bailey.....b	NDQ	Connecticut.....b
NCG	.....	NDR	.....
NCH	Baltimore.....b	NDS	.....
NCI	.....	NDT	.....
NCJ	.....	NDU	Culgoa.....b
		NDV	.....

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

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

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

Call signal.	Station.	Call signal.	Station.
NGR	.....	NIF	.....
NGS	.....	NIG	.....
NGT	.....	NIH	Aylwin..... b
NGU	Hannibal..... b	NII	Balch..... b
NGV	.....	NIJ	Benham..... b
NGW	.....	NIK	Cassin..... b
NGX	.....	NIL	Cummings..... b
NGY	Hector..... b	NIM	Cushing..... b
NGZ	.....	NIN	Downes..... b
NHA	Henley..... b	NIO	Kansas..... b
NHB	.....	NIP	Kearsarge..... b
NHC	Hopkins..... b	NIQ	Kentucky..... b
NHD	Monadnock..... b	NIR	Duncan..... b
NHE	Hull..... b	NIS	.....
NHF	.....	NIT	McDougal..... b
NHG	Amphitrite..... b	NIU	Nicholson..... b
NHH	Ozark..... b	NIV	O'Brien..... b
NHI	Hancock..... b	NIW	Lamson..... b
NHJ	.....	NIX	Parker..... b
NHK	.....	NIY	Lawrence..... b
NHL	.....	NIZ	Lebanon..... b
NHM	.....	NJA	Winslow..... b
NHN	.....	NJB	Louisiana..... b
NHO	Illinois..... b	NJC	Decatur..... b
NHP	.....	NJD	.....
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	.....
NHZ	.....	NJN	.....
NIA	Bainbridge..... b	NJO	.....
NIB	Jarvis..... b	NJP	.....
NIC	.....	NJQ	Marietta..... b
NID	Jenkins..... b	NJR	Mars..... b
NIE	Jouett..... b	NJS	Maryland..... b
		NJT	Massachusetts..... b
		NJU	Mayrant..... b
		NJV	Mayflower..... b
		NJW	McCall..... b
		NJX	.....

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

Call signal.	Station.	Call signal.	Station.
NJY	.....	NLQ	Cape St. Elias, Alaska.....c
NJZ	Michigan.....b	NLR	Roosevelt.....b
NKA	.....	NLS	.....
NKB	.....	NLT	.....
NEC	.....	NIU	.....
NKD	Minnesota.....b	NLV	.....
NKE	.....	NLW	.....
NKF	Missouri.....b	NLX	.....
NEG	Jacob Jones.....b	NLY	.....
NKH	.....	NLZ	.....
NKI	.....	NMA	Nebraska.....b
NKJ	.....	NMB	Nero.....b
NKK	.....	NMC	Vestal.....b
NKL	Monaghan.....b	NMD	.....
NKM	Montana.....b	NME	New Hampshire.....b
NKN	Monterey.....b	NMF	New Jersey.....b
NKO	Montgomery.....b	NMG	New Orleans.....b
NKP	.....	NMH	Newport.....b
NKQ	.....	NMI	.....
NKR	.....	NMJ	.....
NKS	.....	NMK	.....
NKT	.....	NML	.....
NKU	.....	NMM	.....
NKV	.....	NMN	North Carolina.....b
NKW	.....	NMO	North Dakota.....b
NKX	.....	NMP	.....
NKY	Nashville.....b	NMQ	.....
NKZ	Navajo.....b	NMR	.....
NLA	Nantucket Shoals Lightship...c	NMS	Neptune.....b
NLB	Diamond Shoals Lightship...c	NMT	.....
NLC	Frying Pan Shoals Lightship.c	NMU	.....
NLD	Relief Lightship 66 or 85.....b	NMV	.....
NLE	Relief Lightship 71 or 72.....b	NMW	Ohio.....b
NLF	Kukui.....b	NMX	.....
NLG	Relief Lightship 94 or 53.....b	NMY	.....
NLH	Patterson.....b	NMZ	Oregon.....b
NLI	Explorer.....b	NNA	Brutus.....b
NLJ	Pathfinder.....b	NNB	Jason.....b
NLK	Bache.....b	NNC	Jupiter.....b
NLL	Columbine.....b		
NLM	Cypress.....b		
NLN	Ellington.....b		
NLO	Azaiea.....b		
NLP	Heald Bank Lightship.....c		

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Call signal.	Station.	Call signal.	Station.
WJV	.....	WLQ	.....
WJW	Hoboken, N. J. c	WLR	Floridian b
WJX	Jacksonville, Fla. c	WLS	Arborean b
WJY	.....	WLT	.....
WJZ	.....	WLU	.....
WKA	Alaskan b	WLV	.....
WKB	Arizonan b	WLW	.....
WKC	Californian b	WLX	.....
WKD	Dakotan b	WLY	.....
WKE	Kentuckian b	WLZ	.....
WKF	American b	WMA	Multnomah b
WKG	Georgian b	WMB	Mobile, Ala. c
WKH	Honolulu b	WMC	Santa Rita b
WKI	Isthmian b	WMD	.....
WKJ	Iowan b	WME	Milwaukee, Wis. c
WKK	Kansan b	WMF	Celilo b
WKL	Mexican b	WMG	Wapama b
WKM	Minnesotan b	WMH	.....
WKN	Montanan b	WMI	Minnesota b
WKO	Oregonian b	WMJ	.....
WKP	Pennsylvanian b	WMK	Hyades b
WKQ	Ohioan b	WML	Lurline b
WKR	Panaman b	WMM	Hilonian b
WKS	Columbian b	WMN	Enterprise b
WKT	Texan b	WMO	Wilhelmina b
WKU	Hawaiian b	WMP	Matsonia b
WKV	Virginian b	WMQ	Manoa b
WKW	Artisan b	WMR	.....
WKX	Missourian b	WMS	.....
WKY	Rockingham b	WMT	.....
WKZ	Alamance b	WMU	Anne W b
WLA	.....	WMV	.....
WLB	.....	WMW	Manitowoc, Wis. c
WLC	New London, Conn. c	WMX	Manistique, Mich. c
WLD	Ludington, Mich. c	WMY	Yucatan b
WLE	.....	WMZ	.....
WLF	.....	WNA	.....
WLG	Richard b	WNB	El Capitan b
WLH	.....	WNC	Carlos b
WLI	Iaqua b	WND	Windber b
WLJ	.....	WNE	Nushagak b
WLK	.....	WNF	Hattie Luckenbach b
WLL	.....	WNG	.....
WLM	.....	WNH	Lewis Luckenbach b
WLN	.....	
WLO	.....	
WLP	.....	

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

Call signal.	Station.	Call signal.	Station.
WNI	.....	WOZ	.....
WNJ	Navajo..... b	WPA	.....
WNK	Al-Ki..... b	WPB	.....
WNL	Diamond Head..... b	WPC	Tyee..... b
WNM	Florence Luckenbach..... b	WPD	Tampa, Fla..... c
WNN	Corwin..... b	WPE	Tatoosh..... b
WNO	Pavlof..... b	WPF	.....
WNP	Pleiades..... b	WPG	Goliah..... b
WNQ	.....	WPH	S. M. Fischer..... b
WNR	.....	WPI	.....
WNS	Kvichak..... b	WPJ	.....
WNT	New York, N. Y..... c	WPK	.....
WNU	New Orleans, La..... c	WPL	Seafarer..... b
WNV	Portland..... b	WPM	.....
WNW	San Ramon..... b	WPN	Pioneer..... b
WNX	.....	WPO	.....
WNY	.....	WPP	.....
WNZ	.....	WPQ	Zapora..... b
WOA	Despatch..... b	WPR	Ensenada, P. R..... c
WOB	.....	WPS	Starr..... b
WOC	.....	WPT	Davenport, Iowa..... c
WOD	.....	WPU	New Prague, Minn..... c
WOE	.....	WPV	.....
WOF	.....	WPW	.....
WOG	.....	WPX	Oneonta..... b
WOH	Expansion..... b	WPY	Wallula..... b
WOI	Akron, Ohio..... c	WPZ	Joseph Pulitzer..... b
WOJ	.....	WQA	Inco No. 1..... b
WOK	Detroit, Mich..... c	WQB	.....
WOL	Los Angeles..... b	WQC	Camino..... b
WOM	.....	WQD	.....
WON	La Brea..... b	WQE	.....
WOO	.....	WQF	.....
WOP	.....	WQG	.....
WOQ	.....	WQH	.....
WOR	California..... b	WQI	Costa Rica..... b
WOS	Samson..... b	WQJ	.....
WOT	Coalinga..... b	WQK	.....
WOU	Oregon..... b	WQL	.....
WOV	Venetia..... b	WQM	Navassa Isd., W. I..... c
WOW	Henry J. Biddle..... b		
WOX	.....	
WOY	.....	

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

Call signal.	Station.	Call signal.	Station.
WQN	.....	WRZ	.....
WQO	.....	WSA	Ashtabula, Ohio..... c
WQP	Canton, Ohio..... c	WSB	.....
WQQ	.....	WSC	Siasconset, Mass..... c
WQR	.....	WSD	.....
WQS	Speedwell..... b	WSE	Seagate, N. Y..... c
WQT	.....	WSF	Grace Dollar..... b
WQU	.....	WSG	Norwood..... b
WQV	Mt. Vernon, Ohio..... c	WSH	.....
WQW	.....	WSI	Sault Ste. Marie, Mich..... c
WQX	.....	WSJ	John A. Hooper..... b
WQY	Yosemite..... b	WSK	Sagaaponack, N. Y..... c
WQZ	.....	WSL	Sayville, Long Island, N. Y.. c
WRA	Henry T. Scott..... b	WSM	.....
WRB	Berlin..... b	WSN	Centralia..... b
WRC	J. B. Stetson..... b	WSO	Coronado..... b
WRD	.....	WSP	.....
WRE	J. A. Moffett..... b	WSQ	.....
WRF	.....	WSR	Reuce..... b
WRG	Passagrilla, Fla..... c	WSS	St. Nicholas..... b
WRH	Harvard..... b	WST	Miami, Fla..... c
WRI	Paraiso..... b	WSU	.....
WRJ	Aroline..... b	WSV	Savannah, Ga..... c
WRK	.....	WSW	Willamette..... b
WRL	.....	WSX	Klamath..... b
WRM	.....	WSY	Virginia Beach, Va..... c
WRN	.....	WSZ	.....
WRO	Isle Royal, Mich..... c	WTA	Erskine M. Phelps..... b
	Dauntless..... b	WTB	Argyll..... b
	Defiance..... b	WTC	Lansing..... b
WRP	Fearless..... b	WTD	Oleum..... b
	Hercules..... b	WTE	Tamesi..... b
	(Sea Rover..... b	WTF	Santa Maria..... b
WRQ	.....	WTG	Santa Rita..... b
WRR	.....	WTH	.....
WRS	.....	WTI	Catania..... b
WRT	Geo. W. Elder..... b	WTJ	.....
WRU	Port Arthur, Tex..... c	WTK	J. A. Chanslor..... b
WRV	Alliance..... b	WTM	W. S. Porter..... b
WRW	F. A. Kilburn..... b	WTN	Wm. F. Herrin..... b
WRX	.....	WTO	Frank H. Buck..... b
WRY	Yale..... b	WTP	Scranton, Pa..... c
		WTQ	El Segundo..... b
		WTR	Richmond..... b
		WTS	Col. E. L. Drake..... b
		WTT	Atlas..... b
		WTU	S. O. Co. No. 91..... b
		WTV	Captain A. F. Lucas..... b
		WTW	Maverick..... b
		WTX	Asuncion..... b

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

Call signal.	Station.	Call signal.	Station.
WTY	S. O. Co. No. 93..... b	WWD	..... 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
	..... c	WWM	San Juan..... b
WUH	..... c	WWN	Mongolia..... b
WUI	Fort Riley, Kans..... c		
WUJ	Fort Sam Houston, Tex..... c	WWO	..... b
WUK	Fort Stevens, Oreg..... c		
WUL	Fort Totten, N. Y..... c	WWP	..... b
WUM	Fort Wood, N. Y..... c	WWQ	Aztec..... b
WUN	Fort Worden, Wash..... c	WWR	Rose City..... b
WUO	Fort Winfield Scott, Cal..... c	WWS	Alaska..... b
WUP	Washington, D. C..... c		
WUQ	Washington, D. C..... c	WWT	..... b
WUR	Fort Morgan, Ala..... c		
WUS	Fort Rosecrans, Cal..... c	WWU	..... b
WUT	Fort Caswell, N. C..... c		
WUU	Fort Adams, R. I..... c	WWV	..... b
WUV	Fort Leavenworth, Kans..... c		
WUW	Fort Terry, N. Y..... c	WWW	..... b
WUX	Fort Crockett, Tex..... c		
WUY	Fort San Jacinto, Tex..... c	WWX	..... b
WUZ	Brownsville, Tex..... c		
WVA	Circle City, Alaska..... c	WWY	..... b
WVB	Fairbanks, Alaska..... c		
WVC	Fort Egbert, Alaska..... c	WWZ	..... b
WVD	Fort Gibbon, Alaska..... c	WXA	Buford..... b
WVE	Fort St. Michael, Alaska..... c	WXB	Crook..... b
WVF	Kotlik, Alaska..... c	WXC	Dix..... b
WVG	Nome, Alaska..... c	WXD	Kilpatrick..... b
WVH	Nulato, Alaska..... c	WXE	Liscum..... b
WVI	Petersburg, Alaska..... c	WXF	Logan..... b
WVJ	Wrangell, Alaska..... c	WXG	Meade..... b
	..... c	WXH	McClellan..... b
WVK	..... c	WXI	Merritt..... b
WVL	Fort Frank, P. I..... c	WXJ	Sheridan..... b
WVM	Fort Hughes, P. I..... c	WXK	Sherman..... b
WVN	Fort Mills, P. I..... c	WXL	Sumner..... b
WVO	Davao, P. I..... c	WXM	Thomas..... b
WVP	Fort Drum, P. I..... c	WXN	Warren..... b
WVQ	Fort Wm. McKinley, P. I..... c		
WVR	Fort Wint, P. I..... c	WXO	..... b
WVS	Jolo, P. I..... c		
WVT	Malabang, P. I..... c	WXP	..... b
WVU	Manila, P. I..... c		
WVV	Puerto Princesa, P. I..... c	WXQ	..... b
WVW	Zamboanga, P. I..... c	WXR	Burnside..... b
WVX	Cuyo, P. I..... c		
WVY	San Jose, P. I..... c	WXS	..... b
WVZ	Fort Mills, P. I..... c	WXT	Joseph Henry..... b
WWA	China..... b	WXU	Navesink..... b
WWB	Beaver..... b		
	..... b	WXV	..... b
WWC	..... b	WXW	General John M. Scofield..... b

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

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

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.	Serv- ice.	Hours.	Station controlled by—
Agricultural Col- lege, N. Dak.	9YG	300, 500*	P	X	N. Dak. Agr. College.
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 Agr. and Mech. Arts.
Athens, Ohio	8YP	300, 425	P	X	Ohio Univ.
Auburn, Ala.	5YA	1625, 1800	P	X	Ala. Polytechnic Inst.
Auburn, N. Y.	8YA	300, 440, 500, 600	P	(¹)	Edward L. Colby (Colby's Telph. School).
Bakersfield, Cal.	6ZW	200, 425	P	X	Lindley Winner.
Battle Creek, Mich.	8ZC	200, 425	P	X	Bert E. Clough.
Beeville, Tex.	5ZN	200, 450	P	X	Ed. Nettleton.
Beloit, Wis.	9XB	900*	P	X	Beloit College.
Berkeley, Cal.	6XB	200 to 3000*	P	X	Univ. of California.
Berkeley, Cal.	6XR	300, 600*	P	X	Frank Rieber.
Beverly Farms, Mass.	1ZH	200, 300, 425, 600	P	X	Wilbur H. Hardy.
Bozeman, Mont.	7ZD	200, 425	P	X	R. Earl Dawes.
Buffalo, N. Y.	8ZB	200, 300, 425, 600	P	X	Nelson E. Holt.
Burlington, Iowa	9XL	500*	P	X	William W. Peters (Burlington High School).
Cambridge, Mass.	1XO	300, 600*	P	X	General Radio Co.
Cambridge, Mass.	1XP	300, 550, 600	P	X	George W. Pierce.
Cambridge, Mass.	1XU	600*	P	X	Cutting & Washing- ton (Inc.).
Cambridge, Mass.	1YH	300, 550, 600*	P	X	Harvard Univ.
Canal Dover, Ohio	8ZX	200, 450	P	X	Harry S. Weber.
Charleston, S. C.	4YC	300, 600	P	X	The Citadel, S. C. Mil. Acad.
Chelsea, Mass.	1XC	300, 600*	P	X	Wm. J. Murdock Co.
Cincinnati, Ohio	8ZF	200, 425	P	X	Henry M. Rubel, jr.
Cincinnati, Ohio	8ZH	200, 300, 400	P	X	Clayton M. Howe (Hughes High School).
Cleveland, Tenn.	5ZH	425	P	X	W. O. Horner.
Columbia, Mo.	9YS	300, 375	P	X	Univ. of Missouri (School of Engi- neering).
Columbia, Mo.	9XQ	425, 800	P	X	Univ. of Missouri.
Columbus, Ohio	8YO	400	P	X	Ohio State Univ.
Dallas, Tex.	5ZC	200, 300, 425	P	X	Frank M. Corlett.
Dayenport, Iowa	9XE	300	P	X	William H. Kirwan.

¹ 9 a. m. to 9.30 a. m.; 2 p. m. to 2.30 p. m.; and on Mondays, Wednesdays, and Fridays, 7 p. m. to 7.30 p. m.

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

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

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours.	Station controlled by—
Denver, Colo.	9ZA	450, 500, 750.....	P	X	Capt. E. A. Smith (Co. A, Signal Corps, Colo. N. G.).
Denver, Colo.	9ZD	200, 425.....	P	X	Edward C. Stockman.
Denver, Colo.	9ZF	425, 550, 800.....	P	X	Capt. E. A. Smith. (Co. A, Signal Corps, Colo. N. G.).
Eldora, Iowa.....	9ZI	200, 425.....	P	X	Donald R. Lewis.
Elmira, N. Y.	8ZE	200, 425.....	P	X	Harry E. Fitch.
Fall River, Mass.	1ZF	200, 300, 425, 600..	P	X	Harold C. Bowen.
Fargo, N. Dak.	9YF	300, 600.....	P	X	Theo. L. Wanner.
Farmington, Conn.	1ZZ	200, 300, 425, 600..	P	X	David Lyon Moore.
Fayetteville, Ark.	5YM	200, 400.....	P	X	Univ. of Arkansas.
Friendship Heights, Md.	3ZF	200, 250.....	P	X	John V. Pursell.
Fruitvale, Cal.	6XN	300, 600*.....	P	X	National Wireless Telph. & Telgh. Co.
Gloucester, Mass.	1XI	300, 600*.....	P	X	John Hays Ham- mond, jr.
Grand Coteau, La.	5ZQ	450.....	P	X	St. Charles College.
Grand Forks, N. Dak.	9XN	1,500*.....	P	X	Univ. of North Da- kota.
Hamilton, Ohio.....	8ZU	200, 300, 425.....	P	X	Doron Bros. Electric Co.
Hartford, Conn.	1ZM	200, 300, 425, 600..	P	(1)	Hiram Percy Maxim.
Hartford, Conn.	1ZT	200, 300, 425, 600..	P	X	Clarence D. Tuska.
Hoquiam, Wash.	7ZA	200, 300, 425, 600..	P	X	Donald E. McGee.
Hyattsville, Md.	3XR	300, 400, 600.....	P	X	J. Harris Rogers.
Indianapolis, Ind.	9YK	200, 450.....	P	X	James E. Weyant (Shortridge High School).
Iowa City, Iowa.....	9YA	500, variable under 600 and over 1600.	P	X	State Univ. of Iowa.
Ironton, Ohio.	8ZG	200, 425.....	P	X	Henry W. Campbell.
Ithaca, N. Y.	8XT	(*).....	P	X	Cornell Univ.
Jacksonville, Ill.	9YH	* to 425.....	P	X	Illinois Woman's Col- lege.
Kansas City, Mo.	9XH	(*).....	P	X	Harry D. Betz.
Kansas City, Mo.	9XK	(*).....	P	X	Robert R. Moore.
Kansas City, Mo.	9YU	200, 300.....	P	X	Field Co. A, Signal Corps, Mo. N. G.
Key West, Fla.	4XA	200, 600.....	P	X	George W. Almour.
Lacey, Wash.	7YS	300, 450, 600.....	P	X	St. Martin's College.
La Grande, Oreg.	7ZH	200, 300, 425.....	P	X	Orland M. Heacock.
Lake Geneva, Wis.	9YW	300, 425.....	P	X	Northwestern Mil. and Naval Acad.
Lake Geneva, Wis.	9YX	300, 425.....	P	X	Northwestern Mil. and Naval Acad.
Lamoni, Iowa.	9YO	200, 350, 425.....	P	X	Graceland College.
Lawrence, Kans.	9XP	400, 550, 800*.....	P	X	Univ. of Kansas.
Lewiston, Mont.	7ZC	200, 425.....	P	X	Arthur C. Campbell.
Lexington, Ky.	9YL	500, 1800.....	P	X	Otto Holstein (Co. A, Signal Corps, Ky. N. G.).
Lexington, Mass.	1ZD	200, 300, 425, 600..	P	X	Samuel W. Dean.
Lima, Ohio.....	8YL	200, 425.....	P	X	J. E. Collins.

17 p. m. to 10.30 p. m.

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

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

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours.	Station controlled by—
Little Rock, Ark.	5XF	(*)	P	X	Arthur R. McCreary.
Little Rock, Ark.	5XO	625*	P	X	Ed Cornish.
Los Angeles, Cal.	6XL	600*	P	X	Y. M. C. A.
Los Angeles, Cal.	6YL	.....	P	X	High School.
Louisville, Ill.	9ZL	200, 425.	P	(1)	Cecil Bridges.
Madison, Wis.	9XM	2000, 2200.	P	X	Univ. of Wisconsin.
Marion, Ohio.	8ZD	200, 425.	P	X	Keith Henney.
Marlboro, Mass.	1XS	300, 600*	P	X	Louis W. Stevens.
Media, Pa.	3XO	300, 400, 600.	P	X	Simon Delbert, jr.
Memphis, Tenn.	5XC	425, variable to 600	P	X	Christian Bros. Col- lege.
Memphis, Tenn.	5ZD	296.	P	X	C. B. De La Hunt.
Minneapolis, Minn.	9ZE	(*)	P	X	Philip E. Edelman.
Minneapolis, Minn.	8ZM	200, 425.	P	X	Marc Frazer.
Mobile, Ala.	5ZM	200, 300, 450.	P	X	Ben W. Martin.
Montauk, Long Is- land, N. Y.	2XE	300, 600*	P	X	Western Electric Co.
Montclair, N. J.	2ZI	200, 325.	P	X	Alfred P. Morgan (Adams-Morgan Co.).
Monterey, Cal.	6XE	300, 600*	P	X	National Radio Co.
Montgomery, Ala.	5ZI	500, 1650, 1800.	P	X	Wm. H. Amerine (1st Field Co., Signal Corps, Ala. N. G.).
Morgantown, W. Va.	8XG	650.	P	X	C. W. Waggoner (W. Va. Univ.).
New Bedford, Mass.	1ZN	200, 300, 425, 600.	P	(2)	Milton A. Baylies.
New Braunfels, Tex.	5ZB	200, 450.	P	X	Arthur E. Mollen- hauer.
New Castle, Pa.	8ZN	200, 425.	P	X	R. L. Patch.
New Orleans, La.	5XM	300, 600.	P	X	Marconi Co.
New Rochelle, N. Y.	2ZK	280, 425.	P	X	George C. Cannon.
New York, N. Y.	2XG	300, 350, 600, 850, 1800, 2500.	P	X	Radio Telph. & Telgh. Co.
New York, N. Y.	2XH	300, 540, 600, 800.	P	X	Walter G. Hudson.
New York, N. Y.	2XM	300, 600, 1800.	P	X	John H. Morecroft (Columbia Univ.).
New York, N. Y.	2XN	300, 600.	P	X	Alfred N. Goldsmith (College of the City of N. Y.).
New York, N. Y.	2XR	(*)	P	X	Marconi Co.
New York, N. Y.	2XU	300, 600, 2000, 40000.*	P	X	Peter Cooper Hewitt.
New York, N. Y.	2YM	300, 400, 600, 2400.	P	X	Y. M. C. A. Telgh. School.
New York, N. Y.	2ZA	300, 450, 600.	P	X	New York Police Dept.
Northampton, Mass.	1ZL	200, 300, 425, 600.	P	X	Dean A. Lewis and Glen C. Sabin.
Nutley, N. J.	2ZH	300, 450, 600.	P	X	Arthur A. Hebert.
Oil City, Pa.	8YW	200, 450.	P	X	Clarence M. Wickes (Electra Club).
Omaha, Nebr.	9XU	800.	P	X	Union Pacific R. R. Co.
Orono, Me.	1XK	280, 590, 800.	P	X	Univ. of Maine.
Oakland, Cal.	6XC	300, 550, 600*	P	X	Lewis M. Clement.
Oakland, Cal.	6XT	300, 600, 800*	P	X	Howard H. Tremble.

11.55 a. m. to 1 p. m.; 6.30 p. m. to 11 p. m.

2 Continuous during day and from 6 p. m. to 9 p. m.

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

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

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours.	Station controlled by—
Oxford, Ohio.....	8YR	200, 425.....	P	X	Miami Univ.
Pacific Grove, Cal...	6ZB	300, 500, 600.....	P	X	Howard S. Bunting.
Philadelphia, Pa....	3XJ	300, 500, 600.....	P	X	St. Joseph's College.
Philadelphia, Pa....	3XC	300, 480, 600*.....	P	X	Frank B. Chambers.
Philadelphia, Pa....	3XP	300, 400, 600.....	P	X	Simon Delbert, jr.
Pierre, S. Dak.....	9ZP	200, 425.....	P	X	Dana McNeil.
Pittsburgh, Pa.....	8XC	1800, 2100, 3000...	P	X	Carnegie Inst. of Tech- nology.
Pittsburgh, Pa.....	8XK	450, 2000*.....	P	X	Frank Conrad.
Pittsburgh, Pa.....	8YI	300, 425.....	P	X	Univ. of Pittsburgh.
Pittsburgh, Pa.....	8YZ	200, 450.....	P	X	Charles C. Dunning (Peabody High School).
Pittsfield, Mass.....	1XG	1600, 3000, 6000...	P	X	General Electric Co.
Port Chester, N. Y..	2ZP	200, 300, 425, 600..	P	X	John W. Hubbard.
Pottsville, Pa.....	8ZR	200, 425.....	P	X	Cotesworth M. Jack- son.
Providence, R. I....	1ZP	200, 300, 425, 600..	P	X	Ralph C. Watrous.
Pullman, Wash.....	7YI	500, 1750.....	P	X	State College of Wash- ington.
Rapid City, S. Dak..	9XA	(*).....	P	X	Claude C. Van Nuys (S. Dak. School of Mines).
Rapid City, S. Dak..	9ZR	200, 425.....	P	X	S. R. Halley.
Richmond, Va.....	3ZK	500*.....	P	X	Frank S. Splatt (Sig- nalCorp., Va.N.G.).
Richmond Hill, N. Y	2ZV	300, 3500.....	P	X	Alfred H. Grebe.
Ridgway, Pa.....	8XO	300, 425.....	P	X	W.P.Osterhout (Pitts- burgh Wireless Equipment Co.).
Riverdale, Md.....			P	X	Frank A. DeGroot.
Rockford, Ill.....	9YB	200.....	P	X	Rockford School of Engineering.
Rock Island, Ill.....	9XR	300, 500*.....	P	X	Robert K. Karlowa (Tri-City Radio Lab.).
Rockland, Me.....	1ZR	200, 300, 425, 600..	P	X	Edward L. Norton.
Salt Lake City, Utah	6ZI	200, 425.....	P	X	Stephen H. Besley.
Salt Lake City, Utah	6ZV	200, 300, 425.....	P	X	Julian G. McCollom.
San Antonio, Tex...	5ZF	300, 450, 600.....	P	(1)	Sidney Friedrich.
San Antonio, Tex...	5ZR	200, 300, 450.....	P	(1)	John C. Rodriguez.
San Diego, Cal.....	6YS	300, 500, 600.....	P	X	Southern Electrical Co.
San Francisco, Cal..	6XA	300, 600*.....	P	X	Howard G. Aylsworth.
San Francisco, Cal..	6XH	300, 600*.....	P	X	Wm. W. Hanscom.
San Francisco, Cal..	6XI	300, 600*.....	P	X	Clarence W. Smith.
San Francisco, Cal..	6XO	300, 600*.....	P	X	Nat. Wireless Telph. & Telgh. Co.
San Jose, Cal.....	6XF	300, 600*.....	P	X	Charles D. Herrold.
Savannah, Ga.....	4XL	300, 460, 560, 600..	P	X	Claude A. Lewis and Manning White.
Schenectady, N. Y..	2XA	500, 800*.....	P	X	E. M. Kinney.
Schenectady, N. Y..	2XI	1600 to 10000*....	P	X	General Electric Co.
Schenectady, N. Y..	2YU	300, 2000.....	P	X	Walter L. Upson (Union College).
Schenectady, N. Y..	2ZB	200, 300, 400, 500..	P	X	Wallace L. Brooks.
Seattle, Wash.....	7XE	300, 600*.....	P	X	Marconi Co.

18 p. m. to 11.30 p. m.

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

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

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours.	Station controlled by—
Seattle, Wash.	7XK	300, 600, 1000, 1400, 2000, 4000.*	P	X	Kilbourne & Clark Mfg. Co.
Seattle, Wash.	7XM	300, 600, 1400*....	P	X	Wireless Instrument Co.
Seattle, Wash.	7XZ	600, 680*.....	P	X	Univ. of Washington.
Shreveport, La.	5ZS	200, 425.....	P	X	Willis E. Antony.
Slingerlands, N. Y. .	2XD	300, 400, 550, 600, 1000.	P	X	C. F. and B. V. Dietz.
Springfield, Ill.	9ZS	600, 1800.....	P	X	Illinois Watch Co.
Springfield, Mass.	1ZS	200, 300, 425, 600..	P	X	George U. Readio.
Springfield, Ohio.	8ZM	200, 300, 450.....	P	X	Ross McGregor.
Stillwater, Minn.	9YM	200, 300, 425.....	P	X	Co. K, 3d Infantry, Minn. N. G.
St. David's, Pa.	3ZS	425, 500.....	P	X	Charles H. Stewart.
St. Louis, Mo.	9XC	700, 825.....	P	X	Christian Bros. Col- lege.
St. Louis, Mo.	9XV	850, 1200, 1500, 2000.	P	X	Washington Univ.
St. Louis, Mo.	9XY	300, 600, 750, 1000.	P	X	St. Louis Univ.
State College, Pa.	8XE	(*).	P	(¹)	Pa. State College.
Summit, N. J.	2XW	300, 450, 600, 700, 1000.	P	X	Frank N. Waterman.
Takoma Park, Md. . .	3XB	500, 2000.....	P	X	Bliss Electrical School.
Tiffin, Ohio.	8ZT	200, 425.....	P	(¹)	John J. Grossman.
Trinidad, Colo.	9ZB	450, 600, 750.....	P	X	E. A. Smith (Co. A, Signal Corps, Colo. N. G.).
University Place, Nebr.	9YD	300, 468.....	P	X	Nebraska Wesleyan Univ.
Upper Montclair, N. J.	2ZE	200, 325.....	P	X	Paul F. Godley.
Valparaiso, Ind.	9XD	300, 600*.....	P	X	Dodge's Institute of Telgh.
Vancouver, Wash. . .	7ZN	200, 300, 425, 600..	P	X	George H. Wallace.
Waco, Tex.	5YG	200, 300, 600, 1625.	P	X	E. T. Genheimer (Waco High School Radio Club).
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. De Groot.
Washington, D. C. . .	3ZW	200, 425.....	P	X	Walther A. Parks.
Watchaug Pond, R.I. .	1XW	200, 300, 425, 600..	P	X	Ralph C. Watrous.
Wayne, Nebr.	9YT	300, 425.....	P	X	U. S. Conn, presi- dent, State Normal School.
Westbrook, Me.	1ZQ	200, 300, 425, 600..	P	X	Wm. H. Rocheleau.
Wheeling, W. Va. . .	8ZW	200, 450.....	P	X	John C. Stroebel, jr.
Wichita, Kans.	9YE	1700.....	P	X	Walter S. Ezell.
Wilkes-Barre, Pa.	8ZS	200, 425.....	P	X	John H. Stenger, jr.
Worcester, Mass.	1YK	(*).	P	X	Worcester Polytech- nic Inst.
Worcester, Mass.	1ZW	200, 425.....	P	X	Wm. H. Allison.

1 7 p. m. to 10.30 p. m.

SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
	First district:		Third district—Continued.
1XC	Chelsea, Mass.	3XO	Media, Pa.
1XG	Pittsfield, Mass.	3XP	Philadelphia, Pa.
1XI	Gloucester, Mass.	3XR	Hyattsville, Md.
1XK	Orono, Me.	3YM	Washington, D. C.
1XO	Cambridge, Mass.	3YN	Washington, D. C.
1XP	Cambridge, Mass.	3ZD	Riverdale, Md.
1XS	Marlboro, Mass.	3ZF	Friendship Heights, Md.
1XU	Cambridge, Mass.	3ZH	Washington, D. C.
1XW	Watchaug Pond, R. I.	3ZK	Richmond, Va.
1YH	Cambridge, Mass.	3ZS	St. Davids, Pa.
1YK	Worcester, Mass.	3ZW	Washington, D. C.
1ZD	Lexington, Mass.		Fourth district:
1ZF	Fall River, Mass.	4XA	Key West, Fla.
1ZH	Beverly Farms, Mass.	4YZ	Charleston, S. C.
1ZL	Northampton, Mass.		Fifth district:
1ZM	Hartford, Conn.	5XC	Memphis, Tenn.
1ZN	New Bedford, Mass.	5XF	Little Rock, Ark.
1ZP	Providence, R. I.	5XN	New Orleans, La.
1ZQ	Westbrook, Me.	5XO	Little Rock, Ark.
1ZR	Rockland, Me.	5YA	Auburn, Ala.
1ZS	Springfield, Mass.	5YG	Waco, Tex.
1ZT	Hartford, Conn.	5YM	Fayetteville, Ark.
1ZW	Worcester, Mass.	5ZB	New Braunfels, Tex.
1ZZ	Farmington, Conn.	5ZC	Dallas, Tex.
	Second district:	5ZD	Memphis, Tenn.
2XA	Schenectady, N. Y.	5ZF	San Antonio, Tex.
2XD	Slingerlands, N. Y.	5ZH	Cleveland, Tenn.
2XE	Montauk, Long Island, N. Y.	5ZI	Montgomery, Ala.
2XG	New York, N. Y.	5ZM	Mobile, Ala.
2XH	New York, N. Y.	5ZN	Beeville, Tex.
2XI	Schenectady, N. Y.	5ZQ	Grand Coteau, La.
2XL	Alden, N. J.	5ZR	San Antonio, Tex.
2XM	New York, N. Y.	5ZS	Shreveport, La.
2XN	New York, N. Y.		Sixth district:
2XR	New York, N. Y.	6XA	San Francisco, Cal.
2XU	New York, N. Y.	6XB	Berkeley, Cal.
2XW	Summit, N. J.	6XC	Oakland, Cal.
2YM	New York, N. Y.	6XE	Monterey, Cal.
2YS	New York, N. Y.	6XF	San Jose, Cal.
2YU	Schenectady, N. Y.	6XH	San Francisco, Cal.
2ZA	New York, N. Y.	6XI	San Francisco, Cal.
2ZB	Schenectady, N. Y.	6XL	Los Angeles, Cal.
2ZE	Upper Montclair, N. J.	6XN	Fruitvale, Cal.
2ZH	Nutley, N. J.	6XO	San Francisco, Cal.
2ZI	Montclair, N. J.	6XR	Berkeley, Cal.
2ZK	New Rochelle, N. Y.	6XP	Oakland, Cal.
2ZP	Port Chester, N. Y.	6YL	Los Angeles, Cal.
2ZV	Richmond Hill, N. Y.	6YS	San Diego, Cal.
	Third district:	6ZB	Pacific Grove, Cal.
3XB	Takoma Park, Md.	6ZI	Salt Lake City, Utah.
3XC	Philadelphia, Pa.	6ZV	Salt Lake City, Utah.
3XJ	Philadelphia, Pa.	6ZW	Bakersfield, Cal.

SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
	Seventh district:		Ninth district:
7XE	Seattle, Wash.	9XA	Rapid City, S. Dak.
7XK	Seattle, Wash.	9XB	Beloit, Wis.
7XM	Seattle, Wash.	9XC	St. Louis, Mo.
7XU	Algona, Wash.	9XD	Valparaiso, Ind.
7XZ	Seattle, Wash.	9XE	Davenport, Iowa.
7YI	Pullman, Wash.	9XH	Kansas City, Mo.
7YS	Lacey, Wash.	9XK	Kansas City, Mo.
7ZA	Hoquiam, Wash.	9XL	Burlington, Iowa.
7ZC	Lewistown, Mont.	9XM	Madison, Wis.
7ZD	Bozeman, Mont.	9XN	Grand Forks, N. Dak.
7ZH	La Grande, Oreg.	9XP	Lawrence, Kans.
7ZN	Vancouver, Wash.	9XQ	Columbia, Mo.
	Eighth district:	9XR	Rock Island, Ill.
8XA	Ann Arbor, Mich.	9XU	Omaha, Nebr.
8XC	Pittsburgh, Pa.	9XV	St. Louis, Mo.
8XE	State College, Pa.	9XY	St. Louis, Mo.
8XG	Morgantown, W. Va.	9YA	Iowa City, Iowa.
8XK	Pittsburgh, Pa.	9YB	Rockford, Ill.
8XO	Ridgeway, Pa.	9YD	University Place, Nebr.
8XT	Ithaca, N. Y.	9YE	Wichita, Kans.
8XU	Ithaca, N. Y.	9YF	Fargo, N. Dak.
8YA	Auburn, N. Y.	9YG	Agricultural College, N. Dak.
8YC	Ithaca, N. Y.	9YH	Jacksonville, Ill.
8YI	Pittsburgh, Pa.	9YI	Ames, Iowa.
8YL	Lima, Ohio.	9YK	Indianapolis, Ind.
8YO	Columbus, Ohio.	9YL	Lexington, Ky.
8YP	Athens, Ohio.	9YM	Stillwater, Minn.
8YR	Oxford, Ohio.	9YO	Lamoni, Iowa.
8YW	Oil City, Pa.	9YS	Columbia, Mo.
8YZ	Pittsburgh, Pa.	9YT	Wayne, Nebr.
8ZB	Buffalo, N. Y.	9YU	Kansas City, Mo.
8ZC	Battle Creek, Mich.	9YW	Lake Geneva, Wis.
8ZD	Marion, Ohio.	9YX	Lake Geneva, Wis.
8ZE	Elmira, N. Y.	9ZA	Denver, Colo.
8ZF	Cincinnati, Ohio.	9ZB	Trinidad, Colo.
8ZT	Ironton, Ohio.	9ZD	Denver, Colo.
8ZH	Cincinnati, Ohio.	9ZE	Minneapolis, Minn.
8ZM	Springfield, Ohio.	9ZF	Denver, Colo.
8ZN	New Castle, Pa.	9ZI	Eldora, Iowa.
8ZR	Pottsville, Pa.	9ZL	Louisville, Ill.
8ZS	Wilkes-Barre, Pa.	9ZM	Minneapolis, Minn.
8ZT	Tiffin, Ohio.	9ZP	Pierre, S. Dak.
8ZU	Hamilton, Ohio.	9ZR	Rapid City, S. Dak.
8ZW	Wheeling, W. Va.	9ZS	Springfield, Ill.
8ZX	Canal Dover, Ohio.		

AMATEUR RADIO STATIONS.

NOTE.—All amateur stations in this list, the power of which is rated up to 500 watts, are listed as 0.5 KW, and all stations, the power of which is rated from 500 to 1,000 watts, inclusive, are listed as 1.0 KW.

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.
			Kw.
1EAI	Abels, Charles A.	43 Nicollet St., Lowell, Mass.	0.5
1IUS	Achin, Horace, jr.	30 Smith St., N. Attleboro, Mass.	.5
1FT	Ackley, Edward P.	Peaks Island, Maine	.5
1ANFH	Aldrich, George E.	9 Simonds Rd., Melrose, Mass.	.5
18I	Alger, James W.	Reading, Mass.	.5
1UL	Allen, Edwin B.	Westerly, R. I.	.5
1KG	Allen, Franklin	125 Sycamore St., New Bedford, Mass.	.5
1JQ	Allen, George H.	16 Bacon St., Waltham, Mass.	.5
1GM	Allen, J. Wyman	236 Hale St., Beverly, Mass.	.5
1AAT	Allen, Laurence H.	60 Dean St., Attleboro, Mass.	.5
1PQ	Allen, Percival R.	147 Hancock St., Auburndale, Mass.	.5
1TF	Allenson, George T.	12 Railroad Ave., Valley Falls, R. I.	.5
1EV	Almquist, Fritz A.	333 Franklin St., Quincy, Mass.	.5
	American Radio Association. <i>See Fowle, Herbert L.</i>		
1KR	Anderson, Andrew R.	29 Lewis St., Lynn, Mass.	.5
1EN	Anderson, Daniel H.	40 Oliver St., Everett, Mass.	.5
1DK	Anderson, Herbert	833 Norman St., Bridgeport, Conn.	.5
1EID	Anderson, James H.	17 Bartlett Rd., Belmont, Mass.	.5
1NA	Andonegui, Lane	27 Linnaea St., Cambridge, Mass.	.5
1ME	Angell, Otis P.	20 Trowbridge St., Cambridge, Mass.	.5
1OA	Anthony, Richard L.	336 College St., Lewiston, Me.	.5
1KQ	Armstrong, James B.	15 Bradford Rd., Newton Highlands, Mass.	.5
1ES	Armstrong, Leroy W.	135 Point St., Providence, R. I.	.5
1ESV	Ashland, Homer B.	76 N. Union St., Burlington, Vt.	.5
1JL	Ayres, Richard T.	10 Common St., Charlestown, Mass.	.5
1ANB	Bacinka, Peter L.	137 Dorchester St., Worcester, Mass.	.5
1ANJ	Bailey, Charles E.	51 Chestnut St., New Britain, Conn.	.5
1IWW	Bailey, Phillip A.	64 Washington St., Middletown, Conn.	1.0
1ANX	Bailey, Willard L.	52 Robbins Rd., Arlington, Mass.	.5
1RF	Bailey, William M.	38-Menlo Ave., Lynn, Mass.	.5
1FC	Baker, C. Hall.	Torrington Point, Peaks Island, Me.	.5
1EMI	Baker, J. Stannard	40 Sunset Ave., Amherst, Mass.	.5
1AAE	Baker, Warren F.	2 Baker Pl., Dorchester, Mass.	.5
1DN	Balcom, Loris L.	Noroton Heights, Conn.	.5
1WE	Baldwin, James P.	66 Forest St., New Britain, Conn.	1.0
1LG	Ballou, Willis H.	82 Winthrop St., Medford, Mass.	.5
1EA	Barker, Gullian D.	19 Channing St., Newport, R. I.	.5
1ENU	Barney, George C.	R. F. D. No. 7, Bangor, Me.	.5
1LF	Barrett, Bradford L.	47 Forest St., Springfield, Mass.	.5
1WJ	Barrett, John H.	64 Lafayette Pl., Greenwich, Conn.	1.0
1ENF	Barth, Norbert E.	546 W. Main St., New Britain, Conn.	.5
1JK	Batchelder, Hugh M.	92 Lake Ave., Melrose, Mass.	.5
1AAZ	Bates, Roger E.	184 Pine St., Wollaston, Mass.	.5
1EMA	Bauer, Paul S.	169 Lynn Shore Drive, Lynn, Mass.	1.0
1GU	Baumann, Howard	24 Hale Ave., South Medford, Mass.	.5
1Y	Baxter, Horace M.	160 Foster St., Brighton, Mass.	.5
1CZ	Bean, Harold W.	82 S. Main St., Penacook, N. H.	1.0
18L	Bearse, Edwin W.	43 Cutter St., Somerville, Mass.	.5
1ABA	Beattie, Robert	21 County Rd., Everett, Mass.	.5
1AED	Beebe, William J.	42 Ridgewood Pl., Springfield, Mass.	.5
1VZ	Becker, Carl W.	56 Brookside Ave., Boston, Mass.	.5
1W	Beckvold, Melvin P.	87 Callender St., Dorchester, Mass.	.5
1OJ	Becher, George E.	416 Allen St., Springfield, Mass.	.5
1KW	Beerig, Herbert A.	61 South St., Jamaica Plain, Mass.	.5
1VL	Belknap, Edward L.	91 Vine St., Hartford, Conn.	.5
1HY	Bennett, Lawrence S.	2 Lawrence St., Everett, Mass.	.5
1LQ	Bennett, William F., jr.	24 Spring St., Somerville, Mass.	.5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
1ABK	Bent, Arthur E.	84 Commonwealth Ave., Boston, Mass.	
1ENQ	Berger, Sherwood	Naugatuck, Conn.	0.5
1HO	Bergmann, Malcolm P.	50 Jaques St., Somerville, Mass.	.5
1EAH	Berry, Gerald D.	28 N. Central Ave., Wollaston, Mass.	.5
1FI	Bernier, Walter J.	7 River St., Sanford, Me.	.5
1UG	Bigelow, Fred C.	123 Chapel St., Saylesville, R. I.	.5
1JN	Billotte, Louis C.	10 Centennial Ave., Revere, Mass.	.5
1IQ	Bishop, Donald S.	211 Washington St., North Attleboro, Mass.	.5
1EF	Bixby, Harold O.	65 Hillside Ave., Arlington Heights, Mass.	.5
1ATJ	Black, Oliver M.	19 Charles St., Lawrence, Mass.	.5
1QK	Black, William R.	32 Jefferson St., Newton, Mass.	.5
1KE	Blackie, Norman E.	110 Norfolk St., Dorchester, Mass.	.5
1KJ	Blake, Sidney S.	25 Elm St., Westerly, R. I.	.5
1EAK	Blake, William F.	104 Rutherford Ave., Charlestown, Mass.	.5
1BNC	Blanchard, Chester T.	25 Ashmont St., Dorchester Center, Mass.	.5
1NB	Blanchard, Ralph N.	12 Harvard St., Whitman, Mass.	.5
1HA	Blanchard, Raymond C.	14 Leonard St., North Attleboro, Mass.	.5
1WV	Blank, Donald C.	Greenwich, Conn.	1.0
1AB8	Bliss, Donald H.	12 Dean St., Attleboro, Mass.	.5
1EMC	Bloom, Harry	682 2d St., Fall River, Mass.	.5
1EH	Bloom, Phillip H.	9 Adams St., Holyoke, Mass.	.5
1LB	Blume, Carl T.	8 Upham St., Revere, Mass.	.5
1VH	Bollerer, Alexander V.	77 Linwood St., New Britain, Conn.	.5
1MB	Boudette, Clayton M.	194 Elm St., Everett, Mass.	.5
1QN	Bowditch, Frederic C., jr.	164 Rawson Road, Brookline, Mass.	.5
1KO	Bowen, Harold C.	168 Belmont Ave., Fall River, Mass.	.5
1EAP	Bowers, Maurice A.	13 Belmont Ave., Camden, Me.	.5
1EAS	Bowers, William K.	6 Samoset St., Dorchester, Mass.	.5
1KS	Boy Scouts of America, Troop 1.	Reading, Mass. (portable station).	.5
18X	Boy Scouts of America, Troop 2.	Cambridge, Mass.	.5
1RB	Brackett, Walter F.	24 Maple St., Stoneham, Mass.	.5
1GJ	Bradbury, Lawson E.	138 Endicott Ave., Revere, Mass.	.5
1WZ	Bradin, Jack H.	30 Highland St., Hartford, Conn.	1.0
1ESP	Bradshaw, Norwood V.	56 Elm St., Putnam, Conn.	.5
1AEJ	Bradshaw, Wesley B.	16 Centre St., New London, Conn.	.5
1EAM	Brasill, James J.	East Providence, R. I.	.5
1ESB	Brennan, Edward G.	Bedford St., Stamford, Conn.	.5
1UR	Briggs, Stuart M.	94 Walnut Pl., Brookline, Mass.	.5
1IS	Briggs, Stuart M.	91 Marion St., Brookline, Mass.	.5
1LR	Brigham, Everett R.	46 Church St., Hudson, Mass.	.5
1ABJ	Brockington, Harry G.	69 Lincoln St., Laconia, N. H.	.5
1ATW	Brogan, Arthur R. J.	12 Grigg St., Greenwich, Conn.	1.0
1ENT	Brothers, George W.	78 Central St., Hudson, Mass.	.5
1ASU	Brown, Irving M.	269 Northrup St., Providence, R. I.	.5
1TX	Brown, Louis	209 Blackstone St., Providence, R. I.	.5
1OR	Brown, Randolph B.	Dana, Mass.	.5
1ANT	Buck, Richard C.	44 Linden St., Reading, Mass.	.5
1WA	Bueb, John J., jr.	12 Maher Ave., Greenwich, Conn.	.5
1RG	Buffington, William H.	836 Maple St., Fall River, Mass.	.5
1HI	Burke, Alan W.	40 Pollock Ave., Pittsfield, Mass.	1.0
1LH	Burke, Henry M.	59 Chatham Rd., Everett, Mass.	.5
1AAL	Burt, Jairus F.	66 Pine St., Pittsfield, Mass.	.5
18V	Burton, H. R.	60 Cummings Ave., Wollaston, Mass.	.5
1HH	Buahee, Ward H.	249 County St., Attleboro, Mass.	.5
1JE	Buahway, George F.	87 Glen Rock Ave., Malden, Mass.	.5
1AAQ	Butler, James T.	314 Broadway, New Haven, Conn.	.5
1IR	Butterfield, George W.	14 Birch Hill Ave., Wakefield, Mass.	.5
1RS	Buzzelle, Alfred R.	89 Kinnaird St., Cambridge, Mass.	.5
1ESB	Byron, Myles	52 W. Liberty St., Waterbury, Conn.	.5
1MV	Caldwell, George W.	52 Cherry St., Lynn, Mass.	.5
1UF	Caldwell, Raymond P.	18 Morton St., Providence, R. I.	.5
1NU	Campbell, Harold G.	86 Kenwood St., Dorchester, Mass.	.5
1JO	Campbell, James S.	Northbridge, Mass.	1.0
1ABL	Campbell, John A.	9 Fairlee St., Somerville, Mass.	.5
1NV	Campbell, Margaret L.	14 High St., Rockport, Mass.	.5
1ATQ	Carleton, Francis J.	34 Concord St., Charlestown, Mass.	.5
1ABY	Carr, Albert H.	8 Decatur St., Worcester, Mass.	.5
1AAV	Carter, George T., jr.	686 Massachusetts Ave., Boston, Mass.	.5
18O	Cash, Wilson H.	3 Prospect St., Nantucket, Mass.	.5
1MD	Caswell, Carlton T.	106 Franklin St., Framingham, Mass.	.5
1QE	Chace, Myron D.	7 Norwood St., Worcester, Mass.	.5
1GC	Chadwick, Gilbert L.	19 11th Ave., Haverhill, Mass.	.5
1TY	Champlin, Albert R.	74 Spring St., Westerly, R. I.	.5
1RC	Chase, Frank H.	55 Washington Ave., Chelsea, Mass.	.5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
IHC	Cheetham, Henry R.	81 Avon St., Somerville, Mass.	Kw. 0.5
IAAO	Cheever, Walter G.	6 Aldersey St., Somerville, Mass.	.5
IEIC	Chesbro, Everett L.	54 High St., Mystic, Conn.	.5
IJV	Chisholm, Chesleigh C.	Squantum, Mass.	.5
IHV	Chutter, George A.	67 Church St., Swanton, Vt.	1.C
IAQ	Claffin, Harold M.	160 College Ave., Waterville, Me.	.5
IABC	Clark, Charles V.	25 Pierce Ave., Beverly, Mass.	.5
IWG	Clark, Bradford J.	49 Oak St., Hartford, Conn.	.5
IMZ	Clark, Lyman J.	Cuttjhuuk Light Station, Goswold, Mass.	.5
IQR	Clark, Wesley C.	34 Cliff St., Arlington, Mass.	.5
IASN	Clark, Wesley C.	High School, Arlington, Mass.	.5
ITS	Clarkson, Charles N.	17 Gibbs Ave., Newport, R. I.	.5
IUP	Classical High School.	Providence, R. I.	.5
IPT	Clayton, Henry C.	1422 Washington St., Canton, Ohio.	.5
IRM	Clements, William B.	29 Pemberton Sq., Boston, Mass.	.5
IASK	Coggins, Paul P.	93 Homer St., Newton Center, Mass.	.5
IDJ	Cole, George E.	350 Piedmont St., Waterbury, Conn.	.5
INE	Coleman, Benj. B. B.	193 Clapp St., Milton, Mass.	.5
IWC	Coleman, William F.	177 Wethersfield Ave., Hartford, Conn.	.5
JD	Collins, W. Lovejoy.	44 Carver Rd., Newton Highlands, Mass.	.5
IASP	Colson, Helen B.	Watertown High School, Watertown, Mass.	1.0
ISN	Colton, Robert H.	768 North St., Pittsfield, Mass.	.5
IWQ	Conner, John A.	7 Sellick St., Stamford, Conn.	.5
IDH	Cook, Lewis W.	49 Pleasant St., Ansonia, Conn.	.5
IDO	Cook, Witter T.	460 W. Main St., Norwich, Conn.	.5
IJU	Cooke, Grover C.	19 Carnes St., Lynn, Mass.	1.0
IABT	Coolikoff, Jack.	1 Chestnut St., Chelsea, Mass.	.5
IFP	Coombs, George T.	Castine, Me.	.5
IEMH	Copeland, Sylvester W.	656 2d St., Fall River, Mass.	.5
IOS	Copeland, H. Depew.	42 Huron Ave., Cambridge, Mass.	.5
ISB	Corcoran, Thomas A.	21 Putnam Ave., Cambridge, Mass.	.5
IPA	Corliss, Raymond B.	53 Allen Ave., Lynn, Mass.	.5
IAEG	Cornwell, William J.	24 Clark St., Cambridge, Mass.	.5
IEC	Cosgrove, Fred J.	57 Cedar St., Taunton, Mass.	.5
ION	Cosgrove, Roland D.	14 Wright St., Cambridge, Mass.	.5
IENE	Cosman, Howard E.	190 Summer St., Fitchburg, Mass.	.5
IOU	Cote, Armand E.	184 Harrison St., Pawtucket, R. I.	.5
IAR	Couri, Arthur N.	1 Monument St., Portland, Me.	.5
IEAD	Courtney, Roger D.	98 W. Springfield St., Boston, Mass.	.5
IDE	Cowles, Willard B.	94 W. Main St., Plainville, Conn.	.5
IFD	Crie, Oscar H.	Castine, Me.	.5
IEP	Crocker, Edmund P.	Swains Wharf, Nantucket, Mass.	1.0
IQS	Croft, Theodore C.	10 Winthrop St., Everett, Mass.	.5
I PW	Crosby, Carlton R.	East Harwich, Mass.	.5
IABQ	Crosby, Leslie W.	12 Elmwood Rd., Swampscott, Mass.	.5
IAEY	Cross, Leon F.	3 Vine St., Tilton, N. H.	.5
IGT	Cummings, Francis H.	Prides Crossing, Mass.	.5
INL	Curtis, Samuel.	41 Faxon Rd., Atlantic, Mass.	.5
IAAJ	Custean, Harry G.	24 Clark St., Cambridge, Mass.	.5
IASD	Dallin, Edwin B.	69 Oakland Ave., Arlington Heights, Mass.	.5
IQZ	Danehy, Edward J.	25 Sargent St., Cambridge, Mass.	.5
IKD	David, Harold E.	24 Belchertown Rd., Amherst, Mass.	.5
IAX	Davies, Orel E.	301 Main St., Rockland, Me.	.5
IANU	Davis, Clifton D.	8 Cedar Court, Wakefield, Mass.	.5
IASL	Davis, Emery W.	1045 Beacon St., Newton Highlands, Mass.	.5
IATO	Davis, Everett E.	16 St. Lawrence St., Portland, Me.	.5
IASX	Davis, Harold W.	R. F. D. No. 2, Keene, N. H.	.5
INO	Davis, Orin F.	124 Pearl St., Somerville, Mass.	.5
ILY	Daykin, Leo H.	339 Beacon St., Somerville, Mass.	.5
IEMV	Dean, J. Marshall.	46 Alderman St., Springfield, Mass.	.5
IATX	Dean, Reginald L.	23 Grove Ave., Westerly, R. I.	.5
ILE	Dean, Samuel W.	Quincy St., Cambridge, Mass.	.5
I WV	Delage, George C.	321 Greenwich Ave., Greenwich, Conn.	.5
IEMJ	De Lancy, Clyde P.	Hampton, N. H.	1.0
IEMD	De Lano, Ralph B.	76 Hancock St., Stoneham, Mass.	.5
IAEA	de Mars, Paul A.	43 Vine St., Lawrence, Mass.	.5
IDM	Dewey, Kenneth C.	4 Church St., Simsbury, Conn.	1.0
IESK	Dibbins, Samuel A.	Everett, Mass.	.5
IAEE	Dickson, William E.	59 Hamden Circle, Quincy, Mass.	.5
IATK	Dieter, Dean C.	216 Lynn Fells Way, Melrose, Mass.	.5
IEMK	Dock, Luther.	59 Granite St., Westerly, R. I.	.5
IET	Dodge, Joseph B.	26 School St., Manchester, Mass.	.5
IESW	Dodge, William E.	Beverly, Mass.	.5
IOZ	Doe, Charles S.	291 Reesdale Rd., Milton, Mass.	.5
ICF	Dole, Arthur M.	55 Buell St., Burlington, Vt.	.5
IAAU	Donahue, Frank J.	32 Whittier St., Lynn, Mass.	.5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
1ABO	Donnelly, George F.	South Meriden, Conn.	0.5
1EIZ	Donovan, Arthur B.	49 Bigelow Ave., Rockland, Mass.	1.0
1AE	Dow, Harrison L.	61 Oliver St., Rockland, Me.	.5
1VG	Dow, John A.	20 Woburn St., Reading, Mass.	.5
1EAQ	Downes, George H.	323 Edgewood Ave., New Haven, Conn.	.5
1UO	Doyle, John B.	306 Thurber Ave., Providence, R. I.	.5
1ATU	Doyle, Walter J.	29 Washington St., New Britain, Conn.	.5
1PC	Drake, Ervin T., jr.	40 Holyoke House, Cambridge, Mass.	.5
1ATI	Drake, Nathan L.	303 Mt. Auburn St., Watertown, Mass.	.5
1AAF	Drew, William E.	24 Central St., Auburndale, Mass.	.5
1RP	Duchemin, Albert W.	26 Pond St., Greenfield, Mass.	.5
1HZ	Duncan, Harrie E.	34 Foster St., Newtonville, Mass.	.5
1ATB	Dunham, Carroll S.	Berlin, Conn.	.5
1AM	Durette, Adolard J.	2 High St., Derry, N. H.	.5
1AE	Durham, Wilson N.	Near Oakland, Me.	.5
1LI	Dwight, Harrison W.	24 Milwood St., Dorchester, Mass.	.5
1PK	Eastman, Damon L.	Norfolk, Mass.	.5
1EIN	Eaton, Louis F.	165 Belmont St., Brockton, Mass.	.5
1EST	Eaton, Richard E.	59 Lovett St., Beverly, Mass.	.5
1HQ	Eberlein, George H.	15 Hastings St., Greenfield, Mass.	.5
1ID	Eddy, James C.	489 Common St., Belmont, Mass.	.5
1DT	Edgerly, Albert H., jr.	Kensington, Conn.	.5
1ENZ	Edison, Gerald H.	36 Bushnell St., Hartford, Conn.	.5
1QG	Edmester, Earle C.	23 Beacon St., Everett, Mass.	.5
1KB	Edwards, Ralph E.	214 Bacon St., Waltham, Mass.	.5
1RN	Ege, John F.	153 Crest Ave., Revere, Mass.	.5
1ENM	Ehler, Irwin H.	33 S. Water St., New Haven, Conn.	.5
1NC	Ekwall, George O.	"The Standish," Waltham, Mass.	.5
1OF	Eldredge, Clarence R.	41 Lawrence St., Wakefield, Mass.	.5
1HR	Elliott, Thomas H., jr.	104 Claremont Ave., Arlington Heights, Mass.	1.0
1ABD	Engel, Richard B.	35 5th St., Medford, Mass.	.5
1JJ	Entwistle, Guy R.	Medford, Mass.	.5
1AER	Entwistle, Guy R.	Everett, Mass.	.5
1MF	Entwistle, Warren R.	41 C St., Lowell, Mass.	.5
1RD	Ericson, Arthur E.	Manchester, Mass.	.5
1ANI	Erwin, William C.	50 Beechwood Ave., Watertown, Mass.	.5
1EIO	Estabrooks, Roland W.	33 Parkland Ave., Lynn, Mass.	1.0
1AAV	Etter, Earle F.	25 Bickerstoff St., Boston, Mass.	.5
1AJ	Fabbri, Alessandro	Bar Harbor, Me.	1.0
	Fall River State Armory.		
	See Norwell, Joseph C.		
1JT	Farmer, Edward E.	15 Cotting St., Medford, Mass.	1.0
1EQ	Farnum, Willis H.	21 Walter St., Somerville, Mass.	.5
1IJ	Fassitt, Andrew J., jr.	27 Walden St., Cambridge, Mass.	.5
1ANF	Fay, Arthur N.	257 Broadway, Chicopee Falls, Mass.	1.0
1ESF	Feeney, Elton O.	181 Allen Ave., Portland, Me.	.5
1EAT	Feeney, Paul F.	80 Crest Ave., Revere, Mass.	.5
1ESU	Fenno, Stanley W.	Revere High School, Revere, Mass.	.5
1ATF	Ferguson, Arthur W.	52 Linden St., Everett, Mass.	.5
1RO	Fernald, Wilder A.	238 Hale St., Lowell, Mass.	.5
1ABF	Fitch, Clinton	22 Cottage Pl., Waterbury, Conn.	1.0
1TJ	Fitch, Conover	321 Hammond St., Newton, Mass.	.5
1ENY	Flaherty, Harold J.	129 Essex St., Marlborough, Mass.	.5
1OH	Flanders, Fred F.	9 Norway St., Boston, Mass.	.5
1AEB	Flint, Arthur W.	4 Green St., Wakefield, Mass.	.5
1TL	Flint, Carl O.	4 High St., Westerly, R. I.	1.0
1AZ	Flint, Edward R.	Peaks Island, Me.	.5
1TW	Fogg, George F.	52 Upham St., Melrose, Mass.	.5
1NI	Folin, George G.	133 Buckminster St., Brookline, Mass.	.5
1PD	Folsom, Owen E.	89 Hewlett St., Boston, Mass.	.5
1PV	Folsom, Rolfe A.	76 Rockland Ave., Malden, Mass.	.5
1EMZ	Fortier, Ralph L.	245 Fort Pleasant Ave., Springfield, Mass.	.5
1AAK	Fowle, Herbert L.	Woodward Ave., Reading, Mass.	.5
1ENK	Fowle, Herbert L.	8 Cedar Court, Wakefield, Mass.	.5
1VJ	Frank, Louis G.	21 Summit Ave., Brookline, Mass.	.5
1GX	French, Walter B.	47 Varnum St., Lowell, Mass.	.5
1UJ	Frost, Edgar W.	2 Sheffield, Pepperell, Mass.	.5
1DU	Frost, Russell B.	49 Winthrop St., New Britain, Conn.	.5
1KT	Fruch, Frederick G.	962 South St., Rosindale, Mass.	.5
1IH	Fuller, Clarence C.	50 High St., Mansfield, Mass.	1.0
1KP	Fuller, Perry D.	14 Conson St., Dorchester, Mass.	.5
1CS	Furlong, Joseph.	85 Glen Rd., Boston, Mass.	.5
1EAZ	Furrier, Joseph P.	19 Tudor St., Lynn, Mass.	.5
1EBC	Gage, Roger W.	133 Princeton St., Lowell, Mass.	.5
1RZ	Gallagher, Edward J.	16 Appleton St., Atlantic, Mass.	.5
1HF	Gardner, Chester R.	11 Spring Hill Ter., Somerville, Mass.	.5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
1BF	Garrett, John D.	645 Farmington Ave., Hartford, Conn.	1.0
1UD	Gates, Harold S.	261 Washington Ave., Providence, R. I.	.5
1BF	Gates, Paul H.	Franklin, Vt.	.5
1GV	Gavill, Wilbur W.	West Chelmsford, Mass.	.5
1EAA	Gavin, Thomas H.	49 Lyon St., Fall River, Mass.	.5
1RI	Gawler, H. C.	Boston, Mass.	.5
188	Gawler, Leonard M.	53 Heath St., Somerville, Mass.	.5
1BK	Geer, Laurence P.	Berlin, N. H.	.5
1ANA	George, Eldridge B.	211 Arsenal St., Watertown, Mass.	.5
1NQ	Getchell, Melvin D.	14 Pleasant St., Arlington, Mass.	.5
1AAG	Ghen, Melville W.	64 First St., Melrose, Mass.	.5
1AEF	Gilman, Samuel.	63 Chestnut St., Chelsea, Mass.	.5
1CG	Godfray, Carlton T.	55 Homes Ave., Dorchester, Mass.	.5
1ANG	Godfrey, Warren	117 Park St., West Roxbury, Mass.	.5
1PR	Golder, John	1 Ivy St., Boston, Mass.	.5
1CH	Gordon, Everett P.	17 Crystal Ave., Derry, N. H.	.5
1AH	Goularte, Manuel I.	R. F. D., Fairhaven, Mass.	.5
1AAS	Gould, Clyde S.	123 Hamilton Ave., Lynn, Mass.	.5
1FA	Gould, Charles D.	45 Masonic St., Rockland, Me.	.5
1ENN	Gould, Ralph W. B.	Eastport, Me.	.5
1ESA	Gowell, Bert W.	217 Randolph St., North Abington, Mass.	1.0
1WI	Grant, Alfred A.	571 Washington St., Brighton, Mass.	.5
1ABG	Graves, William S.	Sunapee, N. H.	.5
1AAI	Gray, Arthur.	59 Regent St., Roxbury, Mass.	.5
18R	Gray, Hollis L.	29 Vine St., Medford, Mass.	.5
1ENX	Gray, Roland C.	Orono, Me.	.5
1CI	Gray, Walter B.	47 Leonard St., Rochester, N. H.	.5
1NJ	Greeley, Francis B.	50 Church St., Hudson, Mass.	.5
1UV	Greim, Arthur M.	24 Amory Ave., Boston, Mass.	.5
1ENH	Grenier, Leonard J.	43 Hamlet Ave., Woonsocket, R. I.	1.0
1FX	Griffin, Stephen A.	Peaks Island, Me.	.5
1UA	Guilmette, Edward J.	343 Mason St., Woonsocket, R. I.	.5
1BQ	Hackett, Harry S.	White River Junction, Vt.	.5
1HT	Hahn, P. Francis.	St. Anselms College, Manchester, N. H.	1.0
1KY	Hallett, Charles E.	28 Norcross Ter., Lynn, Mass.	.5
1AEH	Halligan, William J.	23 Devens St., Charlestown, Mass.	.5
1AW	Ham, Earle G.	55 Chestnut St., Portland, Me.	.5
1FH	Ham, Miles F.	21 Crosby St., Augusta, Me.	1.0
1OE	Hamilton, Charles F.	7 Pomona St., Springfield, Mass.	.5
1HM	Hammett, Herbert M.	4 Blue Hill Ave., Roxbury, Mass.	.5
1EGG	Hampton, William G.	107 Grove St., Fall River, Mass.	.5
1ENC	Hanks, Ruel C.	17 Crosby St., Augusta, Me.	1.0
1RR	Harding, David W.	Vineyard Haven, Mass.	.5
1PE	Hardy, Jack.	Littleton, Mass.	.5
1EAC	Hardy, Ralph	19 Parkman St., Boston, Mass.	.5
1ED	Hardy, Rodney C.	38 Gray St., Arlington, Mass.	.5
1EIS	Harrington, Charles B.	Newtonville, Mass.	.5
1ASJ	Harris, Nathan G.	94 Hudson St., Hartford, Conn.	.5
1AF	Hart, Emery A.	80 Melborne St., Portland, Me.	.5
1PM	Hartwell, E. G.	High School, North Attleboro, Mass.	.5
1ESQ	Hasbrouck, Louis.	130 N. Pleasant St., Amherst, Mass.	.5
1VO	Haakell, Shirley D.	Essex, Mass.	1.0
1LK	Haskins, Frederic C.	220 Lexington St., Belmont, Mass.	.5
1AY	Hatch, James F.	86 Elm St., Portland, Me.	.5
1FK	Hatch, Roland J.	171 Oxford St., Portland, Me.	.5
1ATP	Hatfield, Samuel J.	80 Pleasant St., Arlington, Mass.	.5
1BY	Hathaway, Samuel D.	126 Atlantic Ave., Marblehead, Mass.	.5
1AEV	Hayden, Kenneth L.	44 Chester Ave., Winthrop, Mass.	.5
1ANY	Hayward, Edward E., jr.	4 Pembroke St., Newton, Mass.	.5
1EIH	Heffernan, Edmund J.	369 Main St., New Britain, Conn.	1.0
1EMQ	Heidel, Edward O.	29 Hollister St., Pittsfield, Mass.	.5
1AZZ	Hendrick, E. Allen	52 Warner St., Springfield, Mass.	.5
1OC	Henry, Hugh M.	Rochester, Vt.	.5
1JY	Herland, John N.	48 Brush Hill Rd., Mattapan, Mass.	.5
18W	Hersey, Ralph H.	2 Harborview Ave., Salem, Mass.	1.0
1ABU	Hertz, William F. C., jr.	57 S. Water St., New Haven, Conn.	.5
1QV	Heyman, Harry	15 Congress St., Springfield, Mass.	.5
1ESS	Hick, Harry R.	Rock Hill, Conn.	.5
1ENW	Hicks, George B.	Penikese, Mass.	.5
1GI	Higgins, Charles A.	17 Pond St., Waltham, Mass.	.5
1FV	Hill, Harold F.	171 Auburn St., Cambridge, Mass.	.5
1OK	Hill, Harold F.	236 Chestnut St., Cambridge, Mass.	.5
1VT	Hill, William J.	691-A Columbia Rd., Dorchester, Mass.	.5
1NH	Hilliard, Dana S.	301 Hanover St., Fall River, Mass.	.5
1CT	Hillson, Robert E.	661 Maple St., Fall River, Mass.	.5
1DP	Hines, Norman E.	17 Asylum St., Norwich Conn.	1.0

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1WS	Hitchcock, Howard A.	1647 Boulevard, West Hartford, Conn.	Kv. 5
1LP	Hitchcock, Richard C.	11 Waller Court, New London, Conn.	5
1CD	Hitchcock, William H.	106 Arlington St., Manchester, N. H.	1.0
1PB	Hofmeyer, Frank A.	28 Armstrong St., Jamaica Plain, Mass.	5
1MN	Hodgdon, Milo L.	24 Wachusett St., Worcester, Mass.	5
1UU	Hoffmann, Harry J.	8 Estrella St., Jamaica Plain, Mass.	5
1WY	Hoggson, Wallace	Greenwich, Conn.	5
1ANN	Holbrook, Frank L.	86 Moody St., Portland, Me.	5
1ATY	Holcomb, Herbert A.	117 Spring St., Windsor Locks, Conn.	5
1KX	Holt, Clarence J.	26 Trenton St., Melrose, Mass.	5
1AET	Holmes, Phillip B.	21 Rockledge Rd., Newton Highlands, Mass.	5
1FW	Holton, Albert M.	11 Florida St., Springfield, Mass.	5
1EMT	Hoopes, Thomas T.	118 High St., Newburyport, Mass.	5
1RA	Hood, Ralph S.	7 Ash St., Danvers, Mass.	5
1TY	Horgan, T. Francis	299 Broadway, Newport, R. I.	5
1VQ	Horsfall, George W.	Unionville, Conn.	5
1JB	Hovenden, Herbert C.	42 Austin St., Newtonville, Mass.	5
1QT	Hovey, Arthur T.	74 Woodcliff St., Boston, Mass.	5
1BSO	Howard, Frank W.	38 Main St., Dexter, Me.	5
1GL	Howe, Bradford L.	11 Fair Oaks Ave., Newtonville, Mass.	5
1BX	Howe, Reginald F.	94 School St., Keene, N. H.	5
1BU	Hoyt, Lowell P.	R. F. D. No. 3, Presque Isle, Me.	5
1EIP	Hudder, Paul B.	222 Eastern Ave., Gloucester, Mass.	5
1UX	Hull, Elliott B.	484 Hope St., Providence, R. I.	5
1AEP	Hunkins, Fred L.	17 Center St., Laconia, N. H.	5
1QY	Hunt, Albert M.	42 Madison Ave., Newtonville, Mass.	5
1ATH	Hunt, Alfred W.	137-A Belmont St., Everett, Mass.	5
1AU	Huntington, Charles E.	3 Orange St., Newburyport, Mass.	5
1ASB	Huston, Robert D.	19 Nevens St., Portland, Me.	5
1ABX	Hutchins, Albert G., jr.	42 Illinois St., Central Falls, R. I.	5
1ANP	Hyde, Charles E.	11 Fearless Ave., Lynn, Mass.	5
1NS	Hyde, Irving B.	59 Glenwood Ave., Pittsfield, Mass.	5
1NN	Ingalls, George A.	7 Holten St., Danvers, Mass.	5
1EMO	Ireland, Wilbur E.	Corinna, Me.	5
1MA	Irwin, Samuel D.	West Bridgewater, Mass.	5
1LD	Isherwood, William L.	69 Winsor St., New Bedford, Mass.	5
1TM	Jackson, Edward A.	15 School St., Newport, R. I.	5
1EAR	Jacques, Arthur E.	52 Newton St., Marlboro, Mass.	5
1GB	Jaques, Louis A.	57 Jaques St., Somerville, Mass.	5
1II	Jennings, W. Francis, jr.	89 Sewell Woods Rd., Melrose Highlands, Mass.	5
1TP	Jensen, Leonard C.	17 Mt. Vernon St., Providence, R. I.	5
1KA	Jepson, Warren F.	3 Perkins St., Melrose, Mass.	5
1UE	Jette, George E.	161 Summer St., Central Falls, R. I.	5
1DA	Johnson, Arthur A.	Cromwell, Conn.	5
1HJ	Johnson, Edward C., jr.	198 Randolph Ave., Milton, Mass.	1.0
1ENB	Johnson, George E.	135 Pleasant St., Brunswick, Me.	5
1ENS	Johnson, George W.	63 Trinity St., New Britain, Conn.	5
1AEM	Johnson, Gilbert W.	75 Ontario St., Providence, R. I.	5
1MK	Johnson, Thurston A.	123 Winthrop St., Winthrop, Mass.	5
1ASF	Jordan, Richard	22 Baldwin St., Cambridge, Mass.	5
1MJ	Judkins, Nathaniel B.	1474 Pawtucket Ave., Rumford, R. I.	5
1LL	Justice, Francis C.	148 Tremont St., Newton, Mass.	5
1HU	Karl, Henry J.	568 Union St., New Bedford, Mass.	5
1IC	Keller, Adrian C.	4-A Pleasant Ave., Somerville, Mass.	5
1CY	Kelley, Lawrence E.	35 Saunders St., Allston, Mass.	5
1MI	Kelley, Richard P.	8 O St., South Boston, Mass.	5
1DF	Kelsey, Phillip C.	Ivoryton, Conn.	5
1ATA	Kempton, Ralph J.	Presque Isle, Me.	5
1ASA	Kenison, Arthur C.	45 Parker St., Lexington, Mass.	1.0
1ENQ	Kennedy, Jack A., jr.	81 Sherman St., Portland, Me.	5
1EX	Keyes, Perley E.	71 School St., Sanford, Me.	5
1ANC	Killam, Phineas S.	25 Belmont St., Reading, Mass.	5
1QP	Kilton, James A., jr.	21 Lasell St., Auburndale, Mass.	5
1NZ	Knight, George W.	29 Central St., Manchester, Mass.	5
1EIR	Knight, Hugh C.	132 Melrose St., Melrose, Mass.	5
1PI	Knight, Maurice E.	3 Edwin St., Boston, Mass.	5
1LZ	Knight, Montgomery	475 Appleton St., Holyoke, Mass.	1.0
1EJ	Knight, Winfield W.	105 Chestnut St., Camden, Me.	5
1FN	Knowlton, Dean W.	48 Congress St., Belfast, Me.	5
1ASM	Koester, Max W.	554 Broadway, Everett, Mass.	5
1ENP	Kollen, Henry T.	990 Eddy St., Providence, R. I.	5
1AT	Kraus, William L.	13 Fountain Ave., Somerville, Mass.	5
1ANK	Kurth, Henry L. R.	126 Columbia St., Cambridge, Mass.	5
1EAO	La Marche, Harold E.	70 George St., Attleboro, Mass.	5
1ASW	Landick, Robert E.	77 Park St., Lynn, Mass.	5
1WR	Lane, Chauncey C.	73 E. Water St., New Haven, Conn.	5
1KH	Lally, Charles A.	12 Lincoln St., North Adams, Mass.	5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
1KU	Lamb, Claude M.	244 Federal St., Greenfield, Mass.	0.5
1GD	Lane, Frederic A.	7 Madison Ave., Gloucester, Mass.	.5
1GK	Lang, Stanley W.	799 Tyler St., Pittsfield, Mass.	1.0
1EV	Lawyer, Lanphere R.	27 Barnett St., New Britain, Conn.	.5
1FL	Larrabee, Charles W.	176 Prospect St., Portland, Me.	.5
1UH	Lear, George F.	101 Broadway, Newport, R. I.	.5
1UZ	Learned, Alpha A.	76 Camp St., Providence, R. I.	.5
1JA	Leathers, John W.	78 Bay State Ave., Somerville, Mass.	.5
1FQ	Leavitt, Vernal A.	26 Lafayette St., Portland, Me.	.5
1WF	Lefave, Stanley J.	130 Tremont St., Melrose, Mass.	.5
1EIE	Leidel, Ralph J.	284 Warren St., Providence, R. I.	.5
1IF	Leighton, Harold M.	25 Walnut St., Lynn, Mass.	.5
1MR	Leonard, Frederick D.	353 S. Main St., Mansfield, Mass.	.5
1ANL	Leonard, James A.	30 Newhall St., Lynn, Mass.	.5
1ESR	Leonard, Theodore	1188 State St., Bridgeport, Conn.	.5
1ESH	Lessard, Walter	636 Broad St., Central Falls, R. I.	.5
1VY	Lewis, George B.	North Haven, Conn.	.5
1EIM	Lewis, Kenneth P.	124 Maplewood Ave., Gloucester, Mass.	.5
1AAR	Lewis, William H., jr.	226 Upland Rd., Cambridge, Mass.	.5
1BB	Lindsay, Alexander M., jr.	Manomet, Mass.	1.0
18C	Lipson, Edward	38 Overlea Ave., East Saugus, Mass.	1.0
18P	Lisker, William	141 Chester Ave., Providence, R. I.	.5
1AEL	Little, Noel C.	8 College St., Brunswick, Me.	.5
1EIL	Loheed, William J., jr.	12 Clifton Ave., Campello, Mass.	.5
1BM	Lomnitz, Frank W.	1365 E. Main St., Bridgeport, Conn.	.5
1EY	Loomis, George A.	119 S. Main St., St. Albans, Vt.	.5
1WU	Loomis, Harold C.	18 Oakland Ter., Hartford, Conn.	.5
1KI	Loring, Wilfred B.	Plympton, Mass.	.5
1NY	Lovis, Donald B.	26 Adelaide St., Jamaica Plain, Mass.	.5
1EMB	Lovejoy, Julian	Littleton, Mass.	1.0
1FF	Lowell, Philip E.	Portland Pier, Portland, Me.	.5
1ASR	Ludgate, Roswell V.	239 Broadway, Cambridge, Mass.	.5
1ENJ	Ludington, Harold A.	205 Peck Ave., West Haven, Conn.	.5
1ESD	Lyman, Charles F., jr.	Dover, Mass.	.5
1ANE	Lyman, Edward W.	25 Pine St., Pittsfield, Mass.	.5
1ASH	Lyman, Reginald P.	27 S. Main St., Rutland, Vt.	.5
1NT	Lynch, John P.	260 Geneva Ave., Dorchester, Mass.	.5
1EAE	Lynch, Sherman W.	High School, Beverly, Mass.	.5
18J	Lynch, Sherman W.	26 Abbott St., Beverly, Mass.	.5
1HE	Lynde, Kenneth R.	20 Cloelia Ter., Newtonville, Mass.	1.0
1VK	Lynn English High School	Highland Square, Lynn, Mass.	1.0
1MW	Lynn, Harold W.	107 Alden St., Whitman, Mass.	.5
1ML	Lyon, William H.	East Lexington, Mass.	.5
1ATS	Maurdy, Ernest H.	28 Chester St., Watertown, Mass.	.5
1RE	MacLeod, Charles M.	11 St. Stephens Court, Lynn, Mass.	.5
1TN	Mahoney, Charles J.	18 Pond Ave., Newport, R. I.	.5
1EIX	Man, Edward H.	North Stonington, Conn.	.5
1TC	Manchester, Arthur W.	31 Newport Ave., Newport, R. I.	.5
1CW	Manchester, Edwin F.	4 Park Place, Portland, Me.	.5
1TH	Manuel, Lloyd	6 Nichol Ter., Newport, R. I.	1.0
1UT	Macroft, Jesse	Warwick, R. I.	.5
1EY	Macroft, William	235 Northup St., Cranston, R. I.	.5
1AB	Marden, Frank O.	250 Elm St., South Portland, Me.	.5
1GP	Marsh, Albert A.	11 Heard St., Chelsea, Mass.	.5
1EAW	Marshall, Robert E.	2 Pleasant Pl., Marlboro, Mass.	.5
1NG	Marshall, T. Stanley	1 Hobart St., Danvers, Mass.	1.0
1ENA	Martin, Paul S.	79 7th St., Turners Falls, Mass.	1.0
1LC	Massachusetts Institute of Technology	Boston, Mass.	.5
1AAB	Massey, John C.	3 Whitwell Ave., Newport, R. I.	.5
1MT	Mathewson, Oliver W.	34 Corona St., Dorchester, Mass.	.5
1AEX	Maurer, Frank T.	32 Arlington St., West Haven, Conn.	.5
1VF	Mayer, Arthur W.	7 Chestnut St., Jamaica Plain, Mass.	.5
1EAY	McCarthy, George E.	20 Belden St., New Britain, Conn.	.5
1ER	McCurdy, Bruce H.	81 Parade St., Providence, R. I.	.5
1NW	McDermott, Joseph H.	Belmont, Mass.	.5
1END	McElroy, George A.	88 Forest Ave., Portland, Me.	.5
1QQ	McGrath, Joseph L.	206 Fayette St., Wollaston, Mass.	.5
1TZ	McHenry, Albert T.	64 Cutter St., Melrose, Mass.	.5
1CX	McIntosh, Harold W.	431 Great Plains Ave., Needham, Mass.	.5
1ASC	McKay, John S. R.	259 Pond St., Boston, Mass.	.5
1CU	McKay, Preston L.	54 Plymouth St., Carver, Mass.	.5
1ABV	McKinney, Roscoe H.	Thomaston, Me.	.5
1CM	McLane, Henry R.	342 Union Ave., Laconia, N. H.	1.0

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1VD	McMahon, John F., jr.	56 West Ave., South Norwalk, Conn.	Kc. 0.5
1LX	McMahon, William G.	6 Rockland St., Melrose Highlands, Mass.	.5
1AAN	McNamara, Frederick W.	23 Alpine St., Arlington, Mass.	.5
1EX	Meador, Raymond B.	R. F. D. No. 1, Rochester, N. H.	.5
1EZ	Medbery, Chester E.	7 Sprague Ave., Cranston, R. I.	.5
1FM	Meggison, Forrest L.	82 Central St., Westbrook, Me.	.5
1FJ	Meggison, Wilbur P.	13 Mechanic St., Westbrook, Me.	.5
1UC	Mellor, Joseph W.	186 6th Ave., Woonsocket, R. I.	.5
1QH	Melvin, Arthur W.	R. F. D. No. 1, Chelmsford, Mass.	.5
1SA	Mercer, W. Roy	34 Webster St., Allston, Mass.	.5
1UY	Merritt, Hyland E.	18 Lowden Ave., Somerville, Mass.	.5
1ASI	Merrrow, Ernest W.	21 Houghton St., Worcester, Mass.	.5
1ATM	Meynell, Louis C.	49 Waban Hill Rd., Newton, Mass.	.5
1BB	Mills, Bruce M.	48 Crescent St., Rutland, Vt.	.5
1ATZ	Mitchell, Adolph H.	70 Jonathan St., Providence, R. I.	.5
1ND	Mix, Donald G.	1 Kensington Heights, Worcester, Mass.	.5
1ABH	Mooradian, Arom P.	144 Lawton Ave., Lynn, Mass.	.5
1ESJ	Morrill, Donald H.	424 Wethersfield Ave., Hartford, Conn.	.5
1ESL	Morris, Joseph A.	56 Cedar St., New Britain, Conn.	1.0
1ES	Morrison, H. R.	137 Ingham St., Willimansett, Mass.	.5
1EME	Morrison, Raymond D.	17 Malbone Ave., Newport, R. I.	.5
1VU	Morse, Harold J.	40 Clark St., Hartford, Conn.	.5
1VK	Morse, Walter J.	24 Terrill St., Rutland, Vt.	.5
1QO	Morton, Adalbert R.	79 Lonsdale St., Dorchester, Mass.	.5
1GO	Morton, Sidney	6 Francis Ave., Pittsfield, Mass.	.5
1AEX	Mosher, Albert E.	35 Forest St., Lawrence, Mass.	.5
1IO	Mosher, Clifton E.	11 Jenny Lind St., New Bedford, Mass.	.5
1ENO	Muehl, Gottfried	Bartlett & Clinton Sts., Portsmouth, N. H.	.5
1TB	Mulvihill, Francis A.	369 Main St., New Britain, Conn.	1.0
1HW	Munroe, Henry W. T.	38 Beacon St., Everett, Mass.	.5
1EU	Murphy, Charles F.	54 Essex St., Marlboro, Mass.	.5
1PX	Murphy, Harry J.	Florence, Mass.	.5
1MC	Murray, Albert F.	21 Norway St., Boston, Mass.	.5
1AAM	Murray, James J.	28 Wensley St., Boston, Mass.	.5
1QF	Nash, Paul	64 Fairmont Ave., Newton, Mass.	.5
1FS	Nash, William A.	43 Granite St., Biddeford, Me.	.5
1AAD	Needham, Raymond W.	10 Grove St., Pittsfield, Mass.	.5
1WN	Neubaus, Theodore F.	Windsor, Conn.	1.0
1RY	Newcomb, Roland D.	15 Webster St., Atlantic, Mass.	.5
	Newton Technical High School. See Harrington, Charles B.		
1TO	Newton, Raymond C.	292 California Ave., Providence, R. I.	.5
1FR	Nichols, John S.	60 Edward Ave., Pittsfield, Mass.	1.0
1FU	Nicholson, James H.	119 Washington Ave., Portland, Me.	1.0
1GH	Nickerson, Arthur B.	33 Radcliffe Rd., Somerville, Mass.	.5
1SG	Nickerson, Edgar W.	16 Atlantic Ave., Beverly, Mass.	.5
1QJ	Noble, Lewis C.	35 Woodlawn Ave., Wellesley Hills, Mass.	.5
1RU	Norcross, Warren	Needham, Mass.	.5
1EAF	Norwell, Joseph C.	Fall River, Mass.	.5
1QA	Nyquist, Norman A.	107 Chestnut Ave., Jamaica Plain, Mass.	.5
1SU	O'Brien, David W.	178 Second St., Pittsfield, Mass.	.5
1OR	O'Brine, Daniel J.	152 Bridge St., Manchester, Mass.	.5
1DB	O'Connor, Cornelius T.	10 Cowperthwaite St., Cambridge, Mass.	.5
1ANZ	O'Hara, John F.	86 Bassett St., Lynn, Mass.	.5
1IX	Ohlson, Olof	472 Crafts St., Newton, Mass.	.5
1HT	Oliver, H. E.	235 Springside Ave., Pittsfield, Mass.	.5
1BD	Oliver, Herbert W.	164 Allen Ave., Lynn, Mass.	.5
1ESE	O'Neill, John D.	Leonard St., Stamford, Conn.	.5
1ANO	Osborne, Roger W.	15 Olney Pl., East Lynn, Mass.	.5
1MO	Ostrander, Freeman J., jr.	73 Charles St., Springfield, Mass.	.5
1GN	Palmer, Charles A.	57 Wollaston Ave., Arlington Heights, Mass.	.5
1WK	Palmer, Rae C.	320 Wethersfield Ave., Hartford, Conn.	1.0
1PC	Palmer, Russell S.	93 Central St., Somerville, Mass.	.5
1ANQ	Palmquist, Walter N.	701 Cranston St., Providence, R. I.	.5
1VY	Park, Francis E., jr.	359 Main St., Stoneham, Mass.	.5
1JC	Parker, John A.	246 Broadway, Somerville, Mass.	.5
1BY	Parker, Leighland F.	Island Pond, Vt.	1.0
1EAB	Parker, Wesley G.	37 Cherry St., New Britain, Conn.	.5
1BH	Parmelee, Albert O.	Reading, Mass.	.5
1IE	Paton, Raymond	613 California St., Newtonville, Mass.	.5
1IG	Patten, Ernest L. O.	11 Holmes St., Malden, Mass.	.5
1OM	Payson, Gilbert R., jr.	545 Belmont St., Belmont, Mass.	.5
1UB	Pease, Reginald M.	5 W. Park St., Providence, R. I.	.5
1VN	Peckham, J. Wallace	Middletown, R. I.	.5
1KF	Pennyacker, Thomas R.	Chatham, Mass.	.5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
1RF	Pennypacker, Thomas R.	6 Chauncy St., Cambridge, Mass.	0.5
1AI	Perry, Horace R.	74 Winter St., Portland, Me.	.5
1DB	Petersen, Hans C. W.	44 New King St., Thompsonville, Conn.	.5
1ATL	Peterson, Robert M.	3 Blodgett Pl., Worcester, Mass.	.5
1EMP	Petrie, Andrew L.	22 Lamberton St., New Haven, Conn.	.5
1KK	Petty, Raymond A.	Dartmouth, Mass.	.5
1PN	Pettipas, William P.	14 Friend Street Pl., Lynn, Mass.	.5
1ESI	Phelan, Harold.	35 Cedar St., Wakefield, Mass.	.5
1EW	Phelan, Lawrence T.	102 Rodman St., Fall River, Mass.	.5
1WB	Phillbrook, Robert G.	Greenwood, Mass.	.5
1SE	Phillips, Henry D.	11 Haskell St., Cambridge, Mass.	.5
1AO	Pickles, Joseph A.	38 Emery St., Santoro, Me.	.5
1KN	Pierce, Frederick H.	High School Bldg., Lewiston, Me.	.5
1IL	Pierre, Robert.	70 Westland Ave., Boston, Mass.	.5
1ENL	Pierson, George B.	173 Howard Ave., New Haven, Conn.	.5
1ATC	Pinkham, Everett C.	92 Franklin St., Watertown, Mass.	.5
1AAH	Pinnington, William.	71 Jouvett St., New Bedford, Mass.	.5
1KN	Plaisted, Frank H.	142 Davis Ave., Brookline, Mass.	.5
1EMG	Polleys, William V., jr.	606 Public St., Providence, R. I.	.5
1EMR	Poole, Willard H.	229 Belmont St., Fall River, Mass.	.5
1EMS	Poole, Willard H.	Durfee High School, Fall River, Mass.	.5
1ASE	Poor, Stearns.	100 Valentine St., West Newton, Mass.	.5
1ABP	Pope, Donald R.	2 Winthrop, Danvers, Mass.	.5
1ATN	Potter, Robert G.	50 Garfield St., Watertown, Mass.	.5
1WX	Powell, Miss Cecil.	86 Farmington Ave., Hartford, Conn.	1.0
1JS	Powers, Leonard S.	431 Plymouth St., Carver, Mass.	.5
1DR	Prantis, George.	266 Fairview St., New Britain, Conn.	1.0
1JG	Pratt, Fearing.	120 Main St., Hingham, Mass.	.5
1ABM	Pratt, Phineas W.	100 Harvard St., Everett, Mass.	.5
1AN	Pratt, Rahma W.	207 Longfellow St., Westbrook, Me.	.5
1FJ	Pratt, Walter L.	50 Hartsuff St., Rockland, Mass.	.5
1RK	Prescott, Earle M.	6 Lincoln St., Stoneham, Mass.	.5
1AAC	Prinz, Julius C.	5 Charles St., Newport, R. I.	.5
1QM	Proulx, George H.	147 Pemberton St., Cambridge, Mass.	.5
1PY	Pulley, Lester A.	33 Porter St., Melrose, Mass.	.5
1MP	Pursell, Clarence V.	1257 Morton St., Dorchester, Mass.	.5
1ASQ	Quinn, Albert C.	14 Elsmere Ave., Lynn, Mass.	.5
1FZ	Ranlett, Frederick J., jr.	357 Central St., Auburndale, Mass.	.5
1IK	Ray, Charles H.	R. F. D. No. 2, Auburn, Me.	.5
1AEO	Redfield, Kendall A.	18 Mace Pl., Lynn, Mass.	.5
1DY	Redick, Kenneth T.	Newington, Conn.	1.0
1CQ	Reed, Coleman C.	672 Marlboro St., Keene, N. H.	.5
1PO	Reed, Leslie S.	61 Chestnut St., New Bedford, Mass.	1.0
1ANV	Reed, Parker C.	37 Norway St., Boston, Mass.	.5
1BO	Reed, Sherman A.	19 Dunbar St., Keene, N. H.	.5
1EAG	Reeves, Clarence E.	37 Edgewood St., Roxbury, Mass.	.5
1HS	Reese, Lauren A.	181 Woodlawn Ave., Pittsfield, Mass.	.5
1SZ	Reid, Ralph A.	8 Cedar St., Wakefield, Mass.	.5
1EAM	Remington, Frederick H.	269 St. Botolph St., Boston, Mass.	.5
	Revere High School. See Fenno, Stanley W.		
1ST	Reynolds, J. Louis.	20 Cordon St., Framingham, Mass.	.5
1CP	Reynolds, Walter W.	19 Marlboro St., Belmont, Mass.	.5
1GE	Reynolds, William B.	37 State St., Framington Center, Mass.	.5
1DI	Rhodes, Clarence A.	50 Sedgewick St., Bridgeport, Conn.	.5
1ANR	Rice, Alonzo H., jr.	8 Thatcher St., Hyde Park, Mass.	.5
1IA	Richmond, Harold B.	12 George St., Medford, Mass.	.5
1IX	Rinaldi, Henry L.	34-A Ibbetson St., Somerville, Mass.	.5
1CC	Robert, Fortuna.	458 Lowell St., Manchester, N. H.	.5
1DD	Robillard, Paul M.	149 State St., New London, Conn.	.5
1BR	Robinson, B. C.	St. Johnsbury Center, Vt.	1.0
1GR	Robinson, Henry S.	136 Pleasant St., Attleboro, Mass.	.5
1FE	Robinson, Laurence B.	R. F. D. No. 2, Gorham, Me.	.5
1EJ	Robinson, Philip F.	149 Hollis Ave., Braintree, Mass.	.5
1EMU	Rogers, Harold A.	39 Paulena St., West Somerville, Mass.	.5
1ENV	Root, Edward L.	36 North School St., Manchester, Conn.	.5
1AEN	Rosen, Victor E.	33 Woodlawn St., Lynn, Mass.	.5
1EL	Rosenbloom, William.	108 Thornton St., Revere, Mass.	.5
1MS	Rowell, Kendall B.	135 Dale St., Waltham, Mass.	.5
1UW	Rowe, Austin E.	110 Loring Rd., Winthrop, Mass.	.5
1LS	Rumey, Leon C.	49 Fairmont St., Belmont, Mass.	.5
1BR	Rusack, Sidney I.	192 Adams St., Lakewood, R. I.	.5
1RT	Rusk, Ian M.	West Townsend, Mass.	.5
1ATD	Ryan, James F.	51 E. Liberty St., Waterbury, Conn.	.5
1EML	Ryder, Malcolm P.	86 Callhoun St., Springfield, Mass.	.5
1EIG	Sacs, James G.	124 Prairie Ave., Providence, R. I.	.5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1IZ	St. James, Robert T.	38 Avery Lane, Great Barrington, Mass.	Kw. 1.0
1QI	St. James, Vincent.	258 1st St., Pittsfield, Mass.	1.0
1AEI	St. John, Forbes.	Darien, Conn.	1.0
1WT	Salzgeber, John W.	81 W. Main St., Ivoryton, Conn.	.5
1WH	Sam, C. King.	17 N. Elm St., Waterbury, Conn.	1.0
1DX	Sandreuter, Stuart.	Stamford, Conn.	.5
1HL	Sargent, Frederick G.	Westford, Mass.	1.0
	Saugus High School. <i>See</i> Senay, Charles T.		
1FD	Saunders, Frank.	Richmond, Me.	1.0
1QB	Saunders, George B.	52 Francis St., Boston, Mass.	.5
1AV	Sawyer, Harry L.	31 Newhall St., Lynn, Mass.	.5
1HK	Sayward, Lyman W.	253 Belmont St., Wollaston, Mass.	.5
1ASG	Scher, Harold C.	20 Ashton Ave., Beverly, Mass.	.5
1IN	Schwartz, Walter P.	3 Thatcher St., Hyde Park, Mass.	.5
1LM	Scott, Kenneth G.	27 Alston St., Somerville, Mass.	.5
1LT	Scott, Ralph A.	952 Franklin St., Melrose Highlands, Mass.	.5
1EU	Seibert, Leroy G.	Berlin, Conn.	.5
1IM	Senay, Charles T.	Saugus High School, Saugus, Mass.	.5
1ANM	Senior, William B.	68 Mechanic St., Westerly, R. I.	.5
1IU	Shattuck, George E.	227 Broad St., North Attleboro, Mass.	.5
1AEQ	Shaw, Arthur M.	49 Washington Blvd., Springfield, Mass.	.5
1BN	Shaw, Raymond H.	10 E. Washington St., Rutland, Vt.	1.0
1DC	Sheehan, Walter J.	40 Terrace Ave., Waterville, Conn.	1.0
1AS	Sheffield, Irving J.	25 Warren St., Hallowell, Me.	.5
1IV	Sherman, Israel.	55 Revere St., Boston, Mass.	.5
1MQ	Sherman, Joseph E.	349 Tremont St., Boston, Mass.	.5
1GG	Shirt, Arthur G.	18 Augustus St., Fall River, Mass.	.5
1RX	Shorey, G. Faxon.	249 Grove St., Melrose, Mass.	.5
1QU	Shortis, John.	5 Chelsea St., Charlestown, Mass.	.5
1SM	Sias, Cyril W.	62 Kensington Ave., Springfield, Mass.	.5
1WO	Simkin, Colin.	44 High St., Hartford, Conn.	1.0
1RC	Simmons, Minot A.	124 Beech St., Roslindale, Mass.	.5
1DF	Simsbury High School.	Simsbury, Conn.	.5
1AL	Sinnett, Chester M.	Bailey Island, Me.	.5
1ASX	Sisson, Harry D., jr.	41 Brenton Ter., Pittsfield, Mass.	.5
1RQ	Sistare, Donald B.	48 Forest St., Springfield, Mass.	.5
1VT	Stawson, Spencer W.	Brookside Drive, Greenwich, Conn.	.5
1AEK	Sleeper, Joseph N.	Sanbornston, N. H.	.5
1AD	Smith, Edward S. C.	55 South St., Biddeford, Me.	.5
1OO	Smith, Kirk E.	300 Park St., West Springfield, Mass.	.5
1VT	Smith, Lewis J.	7 Cedar St., Norwich, Conn.	.5
1EK	Snow, Albert E.	Orleans, Mass.	.5
1F	Snow, Albert E.	30 Carry Ave., Chelsea, Mass.	1.0
1AA X	Snow, David F.	15 Lincoln St., Arlington, Mass.	.5
1GA	Snow, Harold C.	41 Paradise Rd., Swampscott, Mass.	.5
1BJ	Somerville, Paul S.	32 Cliff St., St. Johnsbury, Vt.	.5
1T	Soney, Henry C.	11 Poindexter St., Lynn, Mass.	.5
1AEU	Southworth, Arthur P.	122 Chestnut St., Wakefield, Mass.	.5
1VN	Southworth, Palmer H.	34 Mantowese St., Hartford, Conn.	.5
1TE	Sparrow, Edward.	Southboro, Mass.	.5
1LA	Spear, G. Dana.	32 Common St., Walpole, Mass.	1.0
1ATQ	Spencer, Bonifield M.	17 Maple St., Attleboro, Mass.	.5
1AST	Spencer, Walter B.	41 Pleasant St., West Hartford, Conn.	.5
1FG	Spinney, Charles E.	24 Winter St., Sanford, Me.	.5
1EMF	Stacy, Frank A.	7 Dodge Court, Danvers, Mass.	.5
1OW	Stackhouse, Walter T.	86 Crescent Ave., Revere, Mass.	.5
1AA	Stackpole, Leroy E.	53 River St., Sanford, Me.	.5
1TU	Stackpole, Nelson B.	725 Mineral Spring Ave., Pawtucket, R. I.	.5
1VR	Stagg, Uberto K.	Noroton Heights, Conn.	.5
1WP	Stallworth, Henry H.	50 Liberty St., Hartford, Conn.	.5
1GZ	Stansfield, Arthur C.	17 Montgomery St., Lawrence, Mass.	.5
1IB	Stanyan, Starr W.	76 Boston Ave., West Medford, Mass.	.5
1LU	Staples, Lloyd E.	145 Matfield St., East Bridgewater, Mass.	.5
1TQ	Stark, William H.	258 Ives St., Providence, R. I.	.5
1NM	Starkweather, John B.	17 Gibson Rd., Newtonville, Mass.	.5
1VS	Steadman, Robert C.	31 Park Rd., Brockton, Mass.	.5
1DL	Steele, Maitland.	1202 Park St., West Hartford, Conn.	.5
1RW	Steeves, Arthur.	260 Brighton Ave., Boston, Mass.	.5
1BH	Sterling, George E.	28 Paine St., Springvale, Me.	.5
1LN	Sterling, Roy.	21 Coral St., Lowell, Mass.	.5
1ABR	Stevens, Charles L.	19 Lincoln St., Stoneham, Mass.	.5
1FY	Stevens, Charles R.	30 Worcester St., Framingham Center, Mass.	.5
1AAP	Stevens, Louis W.	394 Riverway, Boston, Mass.	.5
1CA	Stimson, Robert C.	New London, N. H.	.5
1TK	Stlness, Samuel.	260 Broad St., Central Falls, R. I.	1.0

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
1KL	Stocker, Clarence I.	65 N. Franklin St., Lynn, Mass.	0.5
1GY	Stolba, Nestor W.	182 Lakeview Ave., Cambridge, Mass.	.5
1BL	Stone, Clayton P.	14 Portland St., St. Johnsbury, Vt.	.5
1AES	Stone, Perry	15 West St., New London, Conn.	.5
1ANS	Stoughton, Edgecombe	198 Ocean Ave., Portland, Me.	.5
1EI	Strang, Paul S. and Olin T.	58 N. Beacon St., Allston, Mass.	.5
1PL	Stratton, Rolland A.	215 Federal St., Greenfield, Mass.	.5
1EMN	Straub, Alphonse B.	151 S. Elm St., Waterbury, Conn.	.5
1OQ	Struthers, Francis W.	Townsend, Mass.	.5
1BG	Stuart, Hamilton C.	12 Main St., St. Johnsbury, Vt.	.5
1AC	Stubbs, Edward T.	1 Bennett St., Sanford, Me.	.5
1JH	Sturtevant, Windsor	219 Florida St., Springfield, Mass.	.5
1HD	Sullivan, John F.	485 E. 6th St., South Boston, Mass.	.5
1ASO	Surette, Albert L.	434 Massachusetts Ave., Arlington, Mass.	.5
1NF	Sutcliffe, Raymond S.	29 Foster St., Fall River, Mass.	.5
1EAN	Swanton, William A.	42 Dix St., Dorchester, Mass.	.5
1AK	Tabbut, Arthur R.	6 First South St., Bar Harbor, Me.	.5
1EIK	Tarment, Ralph E.	381 Main St., Everett, Mass.	.5
1OG	Tarr, Gertrude E.	8 High St., Rockport, Mass.	.5
1OX	Tarr, Melville S.	45 Parker St., Chelsea, Mass.	.5
1EAV	Tatroult, Ernest	Northbridge, Mass.	.5
1EIQ	Taylor, Alfred C.	788 Hope St., Providence, R. I.	.5
1EAS	Taylor, David F.	55 Bromfield St., Wollaston, Mass.	.5
1ABE	Taylor, Frederic W.	30 S. Main St., Attleboro, Mass.	.5
1BZ	Taylor, George F.	Kennebunk, Me.	1.0
1LJ	Taylor, James W.	62 Tremont St., Boston, Mass.	.5
1OD	Taylor, Walter A.	3 Thurston St., Somerville, Mass.	.5
1QD	Therrien, Arthur J.	213 Walnut St., Lynn, Mass.	.5
1RH	Thompson, James H.	319 South Ave., Whitman, Mass.	.5
1UI	Thornley, Howard W.	7 Belmont St., Pawtucket, R. I.	.5
1DQ	Tilden, Paul L.	23 Williams St., New London, Conn.	.5
1HB	Travis, Gerald E.	59 Kenmere Rd., Medford, Mass.	.5
1NP	Travis, Gerald E.	38 Montebello Rd., Jamaica Plain, Mass.	.5
1GQ	Thompson, John E.	3 Grand St., Reading, Mass.	.5
1ETA	Tobey, Harold A.	42 Pomeworth St., Stoneham, Mass.	.5
1EIF	Towner, F. Bruce	133 Belmont St., Everett, Mass.	.5
1TA	Tucker, Cecil A.	21 Church St., Lynn, Mass.	.5
1EE	Tucker, Elton H.	121 Messer St., Providence, R. I.	.5
1LV	Tufts, J. Warren	43 Cornell Ave., West Somerville, Mass.	.5
	Tufts Wireless Society. <i>See</i> Entwistle, Guy R.		
1MG	Turner, Edwin E.	72 Wyman St., Jamaica Plain, Mass.	.5
1FG	Tyler, Samuel F.	28 Sargent St., Newton, Mass.	.5
1OI	Tyrrrell, Alanson B.	8 Ellis Ave., Medford, Mass.	.5
1KO	Upham, Howard B.	20 Mt. Bowdoin Ter., Boston, Mass.	.5
1BA	Varnum, George E.	161 Chelsea St., Charlestown, Mass.	.5
1KV	Veeder, Chester F.	Gosnold, Mass.	.5
1VB	Verbyla, Albert E.	7 Center St., Danbury, Conn.	.5
1HX	Vogel, Edward A.	49 Curtis Ter., Pittsfield, Mass.	.5
1PF	von Colln, Gustaf	44 Flynt St., Quincy, Mass.	.5
1ASV	Vose, Charles H.	1 Ocean Ter., Lynn, Mass.	.5
1ANW	Wadleigh, Paul F.	Hanover, N. H.	.5
1QC	Wadsworth, Arthur G.	Eastham, Mass.	.5
1BE	Wadsworth, Philip S.	8 Hanover St., Portland, Me.	.5
1VE	Walker, Alva S.	69 Dearfield Drive, Greenwich, Conn.	.5
1KZ	Waldie, Thomas G.	21 Woodbury St., Beverly, Mass.	.5
1JW	Walker, J. Frank	Kittery, Me.	.5
1EIB	Walker, Leon F.	45 Nixon St., Dorchester, Mass.	.5
1ATR	Walker, William G.	53 Winthrop St., Everett, Mass.	.5
1EIT	Walker, William H.	Burlington, Mass.	.5
1EII	Wallace, Malcolm E.	6 Witherbee Ter., Marlboro, Mass.	.5
1KC	Wallace, Ralph H.	1192 Morton St., Dorchester, Mass.	.5
1HP	Wallace, William H.	30 Hastings St., Cambridge, Mass.	.5
1JM	Walter, Elmer H.	39 Cleveland St., Melrose, Mass.	.5
1EIW	Walter, Howard S.	Melrose, Mass. (portable station)	.5
1BW	Walton, Harold F.	104 Elm St., Montpelier, Vt.	.5
1TC	Ward, J. Stedman	16 John St., Newport, R. I.	.5
1TP	Ware, Stanley P.	75 Winthrop St., Everett, Mass.	.5
1MU	Warren, Bertram E.	103 Lexington St., Waltham, Mass.	.5
	Watertown High School. <i>See</i> Colson, Helen B.		
1JH	Watson, Paul W.	17 Waverly St., Everett, Mass.	.5
1FZ	Weber, John H.	12 Russell St., Lewiston, Me.	.5
1EB	Watson, William F., jr.	112 2d St., Newport, R. I.	.5
1CL	Webster, Fullerton D.	12 Hampshire St., Everett, Mass.	.5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1EAL	Weeks, Walter R.	47 Pleasant St., Marlboro, Mass.	Kw. 1.0
1LO	Weicker, Theodore, jr.	79 Prospect St., Stamford, Conn.	.5
1CR	Wellington, Ellsworth	Lunda St., Waltham, Mass.	.5
1ABI	Wells, Herbert A.	32 Nelson St., Dorchester, Mass.	.5
1FP	Welsh, Michael J.	2 Crescent Lodge, Melrose, Mass.	.5
1PH	Werner, Gustave A. F.	73 Hollingsworth St., Lynn, Mass.	.5
1RV	West, Howard F.	63 Chestnut Hill Ave., Brighton, Mass.	.5
1NE	Wetherell, Fred L.	37 Peck St., Attleboro, Mass.	.5
1VE	Whipple, Harold B.	172 Park St., Medford, Mass.	.5
1ABW	Whitcomb, Raymond E.	12 Gerry St., Stoneham, Mass.	.5
1AT	White, Earle B.	Belfast, Me.	.5
1EMW	White, Elmir L., jr.	61 Shurtleff St., Chelsea, Mass.	.5
1ABZ	White, I. Davis.	Peterboro, N. H.	.5
1QV	White, Thomas C.	53 Perkins Ave., Malden, Mass.	.5
1AEW	Whittaker, Laban H.	38 Corona St., Dorchester, Mass.	.5
1VA	Wickes, Henry W.	Pleasant St., Winthrop, Mass.	.5
1EMX	Wisemeyer, Max L. A.	Stonington, Conn.	.5
1AG	Wilbur, Harold S.	R. F. D. No. 6, Auburn, Me.	.5
1GW	Wiley, James D.	1548 Beacon St., Waban, Mass.	.5
1BC	Wilson, Walter F.	27 Grand St., South Portland, Me.	.5
1AAW	Winant, Alvin C.	West Medway, Mass.	.5
1GF	Wolf, Charles F., jr.	62 Division St., Pittsfield, Mass.	.5
1ATV	Wood, E. Earl.	Camden, Me.	.5
1BD	Woodhead, Edward F.	56 Summer St., Lewiston, Me.	.5
1ESN	Wright, Ira H.	12 Closson St., Methuen, Mass.	.5
1RL	Wright, Wendell L.	114 Exchange St., Rockland, Mass.	.5
1ATE	Young, Bruce W.	23 Forest St., Arlington Heights, Mass.	.5
1ENI	Young, Carl F.	501 Union St., Portsmouth, N. H.	.5
1FMY	Young, Frank A.	625 W. Main St., Meriden, Conn.	.5
1CO	Young, Sumner B.	291 Ashmont St., Dorchester, Mass.	.5
1DG	Yvon, Robert C.	513 Stanley St., New Britain, Conn.	.5
1PS	Zahn, Edward G.	11 Field St., Jamaica Plain, Mass.	.5
1VC	Zander, Joseph T.	34 South St., Ansonia, Conn.	.5
1ENR	Zarth, William A.	69 Myrtle Ave., Stamford, Conn.	.5
1OY	Zwiage, Conrad J.	776 Winthrop Ave., Revere, Mass.	.5

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1AA	Stackpole, L. E.	1ABE	Taylor, F. W.	1AEH	Halligan, W. J.
1AAA	Not issued.	1ABF	Fitch, C.	1AEI	St. John, F.
1AAB	Masse, J. C.	1ABG	Graves, A. S.	1AEJ	Bradshaw, W. B.
1AAC	Prinz, C.	1ABH	Mooradain, A. P.	1AEK	Sleeper, J. N.
1AAD	Needham, R. W.	1ABI	Wells, H. A.	1AEL	Little, N. C.
1AAE	Baker, W. F.	1ABJ	Brockington, H. G.	1AEM	Johnson, G. W.
1AAF	Drew, W. E.	1ABK	Bent, A. E.	1AEN	Rosen, V. E.
1AAG	Ghen, M. W.	1ABL	Campbell, J. A.	1AEO	Redfield, K. A.
1AAH	Pinnington, W.	1ARM	Pratt, P. W.	1AEP	Hunkins, F. L.
1AAI	Gray, A.	1ABO	Donnelly, G. F.	1AEQ	Shaw, A. M.
1AAJ	Custeau, H. G.	1ABP	Pope, D. R.	1AER	Everett Evening School.
1AAK	Fowle, H. L.	1ABQ	Crosby, L. W.	1AES	Stone, P.
1AAL	Burt, J. F.	1ABR	Stevens, C. L.	1AET	Holmes, P. B.
1AAM	Murray, J. J.	1ABS	Bliss, D. H.	1AEU	Southworth, A. P.
1AAN	McNamara, F. W.	1ABT	Coolikoff, Jack.	1AEV	Hayden, K. L.
1AAO	Cheever, W. G.	1ABU	Hertz, W. F. C.	1AEW	Whittaker, L. H.
1AAP	Stevens, L. W.	1ABV	McKinney, R. H.	1AEX	Mosher, A. E.
1AAQ	Butler, J. T.	1ABW	Whitcomb, R. F.	1AEY	Cross, L. F.
1AAR	Lewis, W. H.	1ABX	Hutchins, A. G., jr.	1AF	Hart, E. A.
1AAS	Gould, C. S.	1ABY	Carr, A. H.	1AG	Wilbur, H. S.
1AAT	Allen, L. H.	1ABZ	White, I. D.	1AH	Goularte, M. L.
1AAU	Donahue, F. J.	1AC	Stubbs, E. T.	1AI	Perry, H. R.
1AAV	Carter, G. T.	1AD	Smith, E. S. C.	1AJ	Fabrizi, A.
1AAW	Winant, A. C.	1AE	Dow, H. L.	1AK	Tabbutt, A. R.
1AAX	Snow, D. F.	1AEA	deMars, P. A.	1AL	Sinnott, C. M.
1AAZ	Etter, E.	1AEB	Flint, A. W.	1AM	Butler, Guy W.
1AAZ	Bates, R. E.	1AEC	Not issued.	1AN	Pratt, R. W.
1ABA	Beattie, R.	1AED	Beebe, W. J.	1ANA	George, E. B.
1ABB	Not issued.	1AEE	Dickson, W. E.	1ANB	Bacuinka, P. L.
1ABC	Clark, C. V.	1AEF	Gilman, S.	1ANC	Killam, P. S.
1ABD	Engel, R. B.	1AEG	Cornwell, W. J.		

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1AND	Not issued.	1ATV	Wood, E. E.	1DQ	Doughty, J. H.
1ANE	Lyman, E. W.	1ATW	Brogan, A. R. J.	1DR	Smith, P. B.
1ANF	Fay, A. N.	1ATX	Deat, R. L.	1DS	Westmore, R. E.
1ANG	Godfrey, W.	1ATY	Holcomb, H. A.	1DT	Edgerly, A. H., jr.
1ANH	Aldrich, G. E.	1ATZ	Mitchell, A. H.	1DU	Frost, R. S.
1ANI	Erwin, W. C.	1AU	Huntington, C.	1DV	Schwichtenberg, W. A.
1ANJ	Bailey, C. E.	1AV	Richardson, G. D.	1DW	Holdick, Wm.
1ANK	Kurth, H. L. R.	1AW	Ham, E. G.	1DX	Sandreuter, S.
1ANL	Leonard, J. A.	1AX	Davies, O. E.	1DY	Redick, K. T.
1ANM	Senior, W. B.	1AY	Hill, E. R.	1DZ	Hammond, G. A.
1ANN	Holbrook, F. L.	1AZ	Flint, E. R.		
1ANO	Osborne, R. W.	1BA	Varnum, G. E.	1EA	Barker, G. D.
1ANP	Hyde, C. E.	1BB	Lindsay, A. M., jr.	1EAA	Gavin, T. H.
1ANQ	Palmquist, W.	1BC	Wilson, W. F.	1EAB	Parker, W. G.
1ANR	Rice, A. H., jr.	1BD	Woodhead, E. F.	1EAC	Hardy, R.
1ANS	Stoughton, E. J.	1BE	Wadsworth, P.	1EAD	Courtney, R. D.
1ANT	Buck, R. C.	1BF	Gates, P. H.	1EAE	Beverly High School.
1ANU	Davis, C. D.	1BG	Stuart, H. C.	1EAF	Norwell, J. C.
1ANV	Reed, P. C.	1BH	Semons, R. W.	1EAG	Reeves, C. E.
1ANW	Wadleigh, P. F.	1BI	Somerville, P. S.	1EAH	Berry, G. D.
1ANX	Bailey, W. L.	1BJ	Morse, W. J.	1EAI	Abels, C. A.
1ANY	Hayward, E. E., jr.	1BK	Stone, C. P.	1EAJ	Brassill, J. J.
1ANZ	O'Hara, J. F.	1BL	Lomnitz, F. W.	1EAK	Blake, W. F.
1AO	Pickles, J. A.	1BM	Shaw, R. H.	1EAL	Weeks, W. R.
1AP	Downing, R. E.	1BN	Reed, S. A.	1EAM	Remington, F. H.
1AQ	Clafin, H. M.	1BP	Mills, B. M.	1EAN	Swanton, W. A.
1AR	Courl, A. N.	1BQ	Hackett, H. S.	1EAO	La Marche, H. E.
1AS	Sheffield, I. J.	1BR	Robinson, B. C.	1EAP	Bowers, M. A.
1ABA	Kenison, A. C.	1BT	Cusack,	1EAQ	Downes, G. H.
1ASB	Huston, R. D.	1BU	Hoyt, L. P.	1EAR	Jacques, A. E.
1ASC	McKay, J. S. R.	1BW	Walton, H. F.	1EAS	Taylor, D. F.
1ASD	Dallin, E. B.	1BX	Howe, R. F.	1EAT	Feeeny, P. F.
1ASE	Poor, S.	1BY	Parker, L. F.	1EAU	Bowers, W. K.
1ASF	Jordan, R.	1BZ	Taylor, G. F.	1EAV	Tatreault, E.
1ASG	Scher, H. C.	1CA	Stimson, R. C.	1EAW	Marshall, R. E.
1ASH	Lyman, R. P.	1CB	Southwick, H. F.	1EAX	Maurer, F. T.
1ASI	Morrow, E. W.	1CC	Robert, F.	1EAY	McCarthy, G. E.
1ASJ	Harris, N.	1CD	Hitchcock, W. H.	1EAZ	Furrier, J. P.
1ASK	Coggins, P. P.	1CF	Dole, A. M.	1EB	Watson, W. F., jr.
1ASL	Davis, E. W.	1CG	Godfray, C. T.	1EC	Cogrove, F. J.
1ASM	Koetter, M. W.	1CH	Gordon, E. P.	1ED	Hardy, R. C.
1ASN	Arlington High School.	1CI	Gray, W. D.	1EE	Walte, L. A.
1ASO	Surrette, A. L.	1CJ	Hillson, R. E.	1EF	Bixby, H. O.
1ASP	Watertown High School.	1CK	Onens, C. E.	1EG	Williams, W. L.
1ASQ	Quinn, A. C.	1CL	Webster, F. D.	1EH	Bloom, P. H.
1ASR	Ludgate, R. V.	1CM	McLane, H. R.	1EI	Strang, P. S.
1AST	Spencer, W. B.	1CN	Brown, T. S.	1EIA	Tobey, H. A.
1ASU	Brown, I. M.	1CO	Young, S. B.	1EIB	Walker, L. F.
1ASV	Vose, C. H.	1CP	Reynolds, W. W.	1EIC	Chebro, E. L.
1ASW	Landick, R. E.	1CQ	Reed, C. C.	1EID	Anderson, J. D.
1ASX	Sisson, H. D., jr.	1CR	Wellington, E.	1EIE	Leidel, R. J.
1ASY	Davis, H. W.	1CS	Furlong, J.	1EIF	Towner, F. B.
1ASZ	Hendrick, E. A.	1CU	Collins, G. A.	1EIG	Sacs, J. G.
1AT	White, E. B.	1CW	Manchester, E. F.	1EIH	Heffernan, E. J.
1ATA	Kempton, R. J.	1CX	McIntosh, H. W.	1EII	Wallace, M. E.
1ATB	Dunham, C. S.	1CY	Kelly, L. E.	1EIJ	Knight, W. W.
1ATC	Pinkham, E. C.	1CZ	Bean, H. W.	1EIK	Tarment, R. E.
1ATD	Ryan, J. F.	1DA	Johnson, A. A.	1EIL	Loheed, W. J., jr.
1ATE	Young, B. W.	1DB	Peterson, H. C. W.	1EIM	Lewis, K. P.
1ATF	Ferguson, A. W.	1DC	Sheehan, W. J.	1EIN	Eaton, L. F.
1ATG	Carlton, F. J.	1DD	Robillard, P.	1EIO	Estabrooks, R. W.
1ATH	Hunt, A. W.	1DE	Cowles, W.	1EIP	Hudder, P. B.
1ATI	Drake, N. L.	1DF	Kelsey, P. C.	1EIQ	Taylor, A. C.
1ATJ	Black, O. M.	1DG	Yuon, R. C.	1EIR	Knight, H. C.
1ATK	Dieter, D. C.	1DH	Cook, L. W.	1EIS	Newton Technical School.
1ATL	Peterson, R. M.	1DI	Rhodes, C. A.	1EIT	Walker, W. H.
1ATM	Meynell, L. C.	1DJ	Cole, G. E.	1EIU	Murphy, C. F.
1ATN	Fotter, R. G.	1DK	Anderson, H.	1EIV	Lawyer, L. A.
1ATO	Davis, E. E.	1DL	Steele, M.	1EIW	Walzer, H. S.
1ATP	Hatfield, S. J.	1DM	Dewey, K. C.	1EIX	Man, E. H.
1ATQ	Spencer, B. M.	1DN	Balcom, L.	1EY	Loomis, G.
1ATR	Walker, W. G.	1DO	Cook, W. T.	1EIZ	Donovan, A. B.
1ATS	Macurdy, E. H.	1DP	Himes, N. E.	1EJ	Robinson, P. F.
1ATT	Kraus, W. L.				
1ATU	Doyle, W. J.				

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1EK	Snow, A. E.	1ESO	Howard, F. W.	1HE	Lynde, K. R.
1EL	Rosenbloom, W.	1ESP	Bradshaw, N. V.	1HF	Gardner, C. R.
1EM	Hiorns, K. E.	1ESQ	Hasbrouck, L.	1HG	Jarret, L. F.
1EMA	Bauer, P. S.	1ESR	Leonard, T.	1HH	Bushee, W. H.
1EMB	Lovejoy, J.	1ESS	Hick, H. R.	1HI	Burke, A. W.
1EMC	Bloom, H.	1EST	Eaton, R. E.	1HJ	Johnson, E. C. 2d.
1EMD	De Lano, R. B.	1ESU	Fenno, S. W.	1HK	Sayward, L. W.
1EME	Morrison, R. D.	1ESV	Ashland, H. B.	1HL	Sargent, F. G.
1EMF	Stacy, F. A.	1ESW	Dodge, W. E. A.	1HM	Hammett, H. M.
1EMG	Polleys, W. V., jr.	1ESX	Meador, R. B.	1HN	Anderson, D. H.
1EMH	Copeland, S. W.	1ET	Dodge, J. B.	1HO	Bergmann, M. P.
1EMI	Baker, J. S.	1EU	Selbert, L. G.	1HP	Waldman, W. H.
1EMJ	De Lancey, C. P.	1EV	Almquist, F. A.	1HQ	Eberlein, G. H.
1EMK	Dock, L.	1EW	Phelan, L. T.	1HR	Elliott, T. H., jr.
1EML	Ryder, M. P.	1EX	Keyes, P. E.	1HS	Reese, L. A.
1EMN	Straub, A. B.	1EY	Marcroft, W.	1HT	Oliver, H. E.
1EMO	Ireland, W. E.	1EZ	Medberry, C. H.	1HU	Karl, H. J.
1EMP	Petrie, A. L.			1HV	Chutter, G. A.
1EMQ	Heidel, E. O.	1FA	Gould, C. D.	1HW	Munro, H. W. T.
1EMR	Poole, W. H.	1FB	Saunders, F.	1HX	Vogel, E. A.
1EMS	Poole, W. H. (for Durflee, H.)	1FC	Baker, C. H.	1HY	Bennett, L. S.
		1FD	Crie, O. H.	1HZ	Duncan, H. E.
1EMT	Hoopes, T. T.	1FE	Robinson, L. B.	1IA	Richmond, H. B.
1EMU	Rogers, H. A.	1FF	Lowell, P. E.	1IB	Stanyan, S. W.
1EMV	Dean, J. M.	1FG	Spinney, C. E.	1IC	Keller, A. C.
1EMW	White, E. L., jr.	1FH	Ham, M. F.	1ID	Eddy, J. C.
1EMX	Wiesemeyer, M.	1FI	Bernier, W. J.	1IE	Payton, R.
1EMY	Young, F. A.	1FJ	Meggison, W. P.	1IF	Leighton, H. W.
1EMZ	Fortier, M. R. L.	1FK	Hatch, R. J.	1IG	Patten, E. L. O.
1EN	Pierce, F. H.	1FL	Larrabee, C. W.	1IH	Fuller, C. H.
1ENA	Martin, P. S.	1FM	Meggison, F. L.	1II	Jennings, W. F., jr.
1ENB	Johnson, G. E.	1FN	Knowlton, D. W.	1IJ	Fassitt, A. J., jr.
1ENC	Hanks, R. C.	1FO	Davis, F. R.	1IK	Ray, C. H.
1END	McElroy, G. A.	1FP	Coombs, G. T.	1IL	Pierce, R.
1ENE	Cosman, H. E.	1FQ	Leavitt, V. A.	1IM	Saugus High School.
1ENF	Barth, N. E.	1FR	Nichols, J. S.	1IN	Schwartz, W. P.
1ENG	Kennedy, J. A., jr.	1FS	Nash, W. A.	1IO	Mosher, C. E.
1ENII	Grenier, L. J.	1FT	Ackley, E. P.	1IP	Ware, S. P.
1ENI	Young, C. F.	1FU	Nicholson, J. H.	1IQ	Bishop, D. S.
1ENJ	Ludington, H. A.	1FV	Hill, H. F.	1IR	Butterfield, G. W.
1ENK	American Radio As- soc.	1FW	Holton, A. M.	1IS	Briggs, S. M.
		1FX	Griffin, S. A.	1IT	Hahn, P. F.
1ENL	Pierson, G. B.	1FY	Stevens, G. R.	1IU	Krueger, W. H.
1ENM	Ehler, I. H.	1FZ	Weber, J. H., jr.	1IV	Sherman, I.
1ENN	Gould, R. W. B.			1IW	Beckvold, M. P.
1ENO	Muhl, G.	1GA	Snow, H. C.	1IX	Ohlson, O.
1ENP	Kollen, H. T.	1GB	Jaques, L. A.	1IY	Baxter, H. M.
1ENQ	Berger, S.	1GC	Chadwick, G. L.	1IZ	St. James, R. T.
1ENR	Zarth, W. A.	1GD	Lane, F. A.		
1ENS	Johnson, G. W.	1GE	Reynolds, W. B.	1JA	Leathers, J. W.
1ENT	Brothers, G. W.	1GF	Wolf, C. F., jr.	1JB	Hovenden, H. C.
1ENU	Barney, G. C.	1GG	Shirl, A. G.	1JC	Farker, J. A.
1ENV	Root, E. L.	1GH	Nickerson, A. B.	1JD	Collins, L.
1ENW	Hicks, G. B.	1GI	Higgins, C. H.	1JE	Bushway, G. F.
1ENX	Gray, R. C.	1GJ	Bradbury, L. E.	1JF	Snow, A. E.
1ENY	Flaherty, H. J.	1GK	Lane, S. W.	1JG	Pratt, F.
1ENZ	Edison, G. H.	1GL	Howe, B. L.	1JH	Martin, E. C.
1EO	Blanchard, C. T.	1GM	Haffcke, F. M.	1JI	Watson, P. W.
1EP	Crocker, E. P.	1GN	Palmer, C. A.	1JJ	Tufts Wireless So- ciety.
1EQ	Farnum, W. H.	1GO	Morton, S.	1JK	Batchelder, H. M.
1ER	McCurdy, B. H.	1GP	Marsh, A. A.	1JL	Ayres, R. T.
1ES	Armstrong, J. W.	1GQ	Thompson, J. E.	1JM	Walter, E. H.
1ESA	Gowell, B. W.	1GR	Robinson, H. S.	1JN	Billette, L. C.
1ESB	Byron, M.	1GS	McMahon, E. C.	1JO	Campbell, J. S.
1ESC	Gage, R. W.	1GT	Cummings, F. H.	1JP	Parkhurst, R. W.
1ESD	Lyman, C. F., jr.	1GU	Raumann, H.	1JQ	Allen, G. H.
1ESE	O'Neill, J. D.	1GV	Gavill, W. W.	1JR	Harding, D. W.
1ESF	Feehey, F. O.	1GW	Riley, J. D.	1JS	Powers, L. S.
1ESG	Hampton, W. G.	1GX	French, W. B.	1JT	Farmer, E.
1ESII	Lessard, W.	1GY	Stolba, N. W.	1JU	Cook, G. C.
1ESI	Phelan, H.	1GZ	Stansfield, A. C.	1JV	Chisholm, G. C.
1ESJ	Morrill, D. H.			1JW	Walker, J. F.
1ESK	Dibblins, S. A.	1HA	Blanchard, R. C.	1JX	Rinaldi, H. L.
1ESL	Morris, J.	1HB	Travis, G. E.	1JY	Herland, J. N.
1ESM	Brennan, E. G.	1HC	Cheatham, H. R.		
1ESN	Wright, I. H.	1HD	Sullivan, J. F.		

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1KA	Jepson, W. F.	1MU	Warren, B. E.	1PP	Welch, M. J.
1KB	Edwards, R. E.	1MV	Caldwell, G. W.	1PQ	Allen, F. R.
1KC	Wallace, R. H.	1MW	Lynn, H. W.	1PR	Goilder, J.
1KD	David, H. E.	1MX	Calley, E. W.	1PS	Zahn, E. G.
1KE	Blackie, N. E.	1MY	Fales, M. A. L.	1PT	Clayton, H. C.
1KF	Pennypacker, T. R.	1MZ	Clark, L. J.	1PV	Folsom, R. A.
1KG	Allen, F.			1PW	Crosby, C. R.
1KH	Lally, C. A.	1NA	Andonegui, L.	1PX	Murphy, H. J.
1KI	Loring, W. B.	1NB	Blanchard, R. N.	1PY	Pulley, L. A.
1KJ	Blake, B. S.	1NC	Ekwall, G. O.	1PZ	Ranlett, F. J., Jr.
1KK	Petty, R. A.	1ND	Mix, D. G.		
1KL	Stocker, C. I.	1NE	Coleman, B. B. B.	1QB	Saunders, G. B.
1KM	Schleshauf, W. W.	1NF	Sutcliffe, R. S.	1QC	Wadsworth, A. G.
1KN	Plaisted, F. H.	1NG	Marshall, T. S.	1QD	Therrien, A. J.
1KO	Upham, H. B.	1NH	Hilliard, D. S.	1QE	Chace, M. D.
1KP	Fuller, P. D.	1NI	Folin, G. G.	1QF	Nash, P. F.
1KQ	Armstrong, J. B.	1NJ	Grealey, F. B.	1QG	Edmester, E. C.
1KR	Anderson, A. R.	1NK	Kohl, W. C.	1QH	Melvin, A. W.
1KS	Boy Scouts of Amer- ica, Troop I.	1NL	Curtis, S., jr.	1QJ	Noble, L. C.
		1NM	Starkweather, J. B.	1QK	Black, W. R.
1KT	Fruch, F. O.	1NN	Ingalls, G. A.	1QL	Noyes, R.
1KU	Lamb, C. M.	1NO	Davis, O. F.	1QN	Bowditch, F. C., jr.
1KV	Veeder, C. F.	1NP	Travis, G. E.	1QO	Morton, A. R.
1KW	Bearing, H. A.	1NQ	Getchell, M. D.	1QP	Kilton, J. A., jr.
1KX	Holt, C. G.	1NR	Wetherell, F. L.	1QQ	McGrath, J. L.
1KY	Hallett, C. E.	1NS	Hyde, I. B.	1QR	Clark, W. C.
1KZ	Waldie, T. G.	1NT	Lynch, J. P.	1QS	Crot, T. C.
		1NU	Campbell, H. G.	1QT	Hovey, A. T.
1LA	Spear, G. D.	1NV	Campbell, Miss M. L.	1QU	Shortis, J.
1LB	Blume, C. T.	1NW	McDermott, J. H.	1QW	White, T. C.
1LC	Mass. Int. of Tech.	1NX	Brown, W. C.	1QX	Booth, J. D.
1LD	Isherwood, W. L.	1NY	Lovis, D. B.	1QY	Hunt, A. M.
1LE	Harvard Wireless Club.	1NZ	Knight, G. W.	1QZ	Danehy, E. J.
1LF	Barrett, B. L.	10A	Anthony, R. L.	1RA	Hood, R. S.
1LG	Ballon, W. H.	10B	O'Brine, D. J.	1RB	Brackett, W. F.
1LH	Burke, H. M.	10C	Henry, H. M.	1RC	Chase, F. H.
1LI	Dwight, H. W.	10D	Taylor, W. A.	1RD	Ericson, A. E.
1LJ	Taylor, J. W.	10E	Hamilton, C. F.	1RE	MacLeod, C. M.
1LK	Haskins, F. C.	10F	Eldredge, C. R.	1RF	Pennypacker, T. R.
1LL	Justice, F. C.	10G	Tarr, Miss G. E.	1RG	Buffinton, W. H.
1LM	Scott, K. G.	10H	Flanders, F. F.	1RH	Thompson, J. H.
1LN	Sterling, Roy.	10I	Tyrell, A. B.	1RI	Gawler, H. C.
1LO	Weicker, T., jr.	10J	Beecher, G. E.	1RJ	Bailey, W. M.
1LP	Hitchcock, R.	10K	Hill, H. F.	1RK	Prescott, E. M.
1LQ	Bennett, W. F., jr.	10L	Whitmore, J. W.	1RL	Wright, W. A.
1LR	Brigham, E. R.	10M	Fayson, G. R., jr.	1RM	Clements, W. B.
1LS	Runey, L. C.	10N	Cosgrove, R. D.	1RN	Ege, J. F.
1LT	Scott, R. A.	10O	Smith, K. E.	1RO	Fernald, W. A.
1LU	Staples, L. E.	10P	Baldwin, P. K.	1RP	Duchemin, A. W.
1LV	Tufts, J. W.	10Q	Struthers, F. W.	1RQ	Stare, D. B.
1LW	Miller, R. A.	10R	Brown, R. B.	1RR	Rusk, I. M.
1LX	McMahon, W. G.	10S	Copland, H. D.	1RS	Buzzelle, A. R.
1LY	Daykin, L. H.	10T	Appelin, G. W.	1RT	Baskin, Israel.
1LZ	Knight, M.	10U	Cote, A. E.	1RU	Norcross, W.
		10V	Anderson, A. E.	1RV	West, H. E.
1MA	Irwin, S. W.	10W	Stackhouse, W. T.	1RW	Steeves, A.
1MB	Boudette, C. M.	10X	Tarr, M. S.	1RX	Shorey, G. F.
1MC	Murray, A. F.	10Y	Zwinge, C. J.	1RY	Newcomb, R. D.
1MD	Caswell, C. T.	10Z	Doe, C. S.	1RZ	Gallagher, E. J.
1ME	Angell, O. P.				
1MF	Entwistle, W. R.	1PA	Corliss, R. B.	18A	Mercer, W. R.
1MG	Turner, E. E.	1PB	Hoefner, F. A.	18B	Corcoran, T. A.
1MH	Eaton, H. W.	1PC	Palmer, R. S.	18C	Lipson, E.
1MI	Kelly, R. P.	1PD	Folsom, O. E.	18D	Oliver, H. W.
1MJ	Jenkins, N. B.	1PE	Hardy, J.	18E	Phillips, H. D.
1MK	Johnson, T. A.	1PF	von Colln, G.	18F	Garrett, J. D.
1ML	Lyon, W. H.	1PG	Tyler, S. F.	18G	Nickerson, E. W.
1MM	Wood, M. E.	1PH	Werner, G. A. F.	18H	Parmelee, A. O.
1MN	Hodgdon, M. L.	1PI	Knight, M. E.	18I	Alger, J. W.
1MO	Ostrander, F. K., jr.	1PJ	Pratt, W. L.	18J	Lynch, S. W.
1MP	Pursell, C. V.	1PK	Eastman, D. L.	18K	Geer, L. P.
1MQ	Sherman, J. E.	1PL	Stratton, R. A. E.	18L	Bearse, E. W.
1MR	Leonard, F. D.	1PM	Hartwell, E. G.	18M	Sias, C. W.
1MS	Rowell, K. B.	1PN	Pettipas, W. P.	18N	Colton, R. H.
1MT	Mathewson, O. W.	1PO	Reed, L. S.	18O	Cash, W. H.

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
18P	Lisker, W.	1UA	Gullmette, E. J.	1VL	Belknap, E. L.
18Q	Morrison, H. R.	1UB	Pease, R. M.	1VM	VanAllen, E. J.
18R	Gray, H. L.	1UC	Mellor, J. W.	1VN	Southworth, P. H.
18S	Gawler, L. M.	1UD	Gates, H. S.	1VO	Haskell, S. D.
18T	Reynolds, J. L.	1UE	Jette, G. E.	1VP	Whipple, H. B.
18U	O'Brien, D. W.	1UF	Caldwell, R. P.	1VR	Stagg, U. K.
18V	Burton, H. R.	1UH	Lear, G. F.	1VS	Steadman, R. C.
18W	Hersey, R. H.	1UI	Thornley, H. W.	1VT	Hill, W. J.
18X	Boy Scouts of America, Troop 2.	1UJ	Frost, E. W.	1VU	Morse, H. J.
18Y	Hathaway, S. D.	1UK	Capillon, E. A.	1VV	Lewis, G. B.
18Z	Reid, R. A.	1UL	Allen, E. B.	1W	Delage, G. C.
		1UM	Flint, C. O.	1VY	Park, F. E., jr.
		1UN	Peckham, J. W.	1VZ	Becker, C. W.
1TA	Tucker, C. A.	1UO	Doyle, J. B.		
1TB	Mulvihill, F. A.	1UP	Classical High School, Prov.	1WA	Bueb, J. J., jr.
1TC	Ward, J. S.			1WB	Philbrook, R. G.
1TD	Wilbur, A. E.	1UR	Briggs, S. M.	1WC	Coleman, W. F.
1TE	Sparrow, E. G.	1US	Achin, H., jr.	1WE	Baldwin, J. P.
1TF	Allinson, G. T.	1UT	Marcroft, J.	1WF	Lefave, S. J.
1TG	Manchester, A. W.	1UW	Rowe, A. E.	1WG	Clark, B. J.
1TH	Manuel, L.	1UX	Hull, E. B.	1WI	Grant, A. A.
1TI	Horgan, F. T.	1UY	Merritt, H. E.	1WJ	Barrett, J. H.
1TJ	Fitch, C.	1UZ	Learned, A. A.	1WK	Palmer, R. C.
1TK	Stiness, S. G.			1WN	Neuhaas, T. F.
1TL	Flint, C. O.	1VA	Wickes, H. W.	1WO	Simkin, C.
1TN	Mahoney, C. J.	1VB	Verbyla, A. E.	1WP	Stallworth, H. H.
1TO	Newton, R. C.	1VC	Zander, J. T.	1WQ	Conner, J. A.
1TP	Jensen, L. C.	1VD	McMahon, J. F.	1WR	Lane, C. C.
1TQ	Stark, W. H.	1VE	Walker, A. S.	1WS	Hitchcock, H. A.
1TS	Clarkson, C. M.	1VF	Mayer, A. W.	1WT	Saltzgeber, J. W.
1TT	Soney, H. C.	1VG	Dow, J. A.	1WU	Loomis, H. C.
1TU	Stackpole, N. B.	1VH	Bollerer, A. V.	1WV	Blanke, D. C.
1TW	Fogg, G. F.	1VI	Slawson, S. W.	1WW	Bailey, P. A.
1TX	Brown, L.	1VJ	Frank, L. G.	1WX	Powell, Cecil
1TY	Champlin, A. R.	1VK	Lynn English, High School.	1WY	Hogson, W.
1TZ	McHenry, A. T.				

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 the 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.
2AEF	Abrams, Milton F., jr.	386 Scranton Ave., Lynbrook, N. Y.	Kil. 0.5
2AMA	Ackerman, Rudolph W.	Scarsdale, N. Y.	1.0
2ANL	Adams, Chester B.	41 Osborn St., Keyport, N. J.	.5
2BT	Adams, Earl F.	1048 Julia St., Elizabeth, N. J.	.5
2AA	Adams, Everett L.	22 Stockton St., Bloomfield, N. J.	.5
2TQ	Adams, E. William, jr.	392 Franklin St., Bloomfield, N. J.	.5
2AOF	Adams, John D.	172 6th Ave., North Troy, N. Y.	.5
2AAV	Adickes, Ernest D.	173 W. Ridgewood Ave., Ridgewood, N. J.	1.0
2AMV	Adolph, Herbert.	1167 Clay Ave., New York, N. Y.	.5
2VQ	Agnoli, Justus J.	16 Purvis St., Long Island City, N. Y.	.5
2AQO	Alexander, Bronson H.	600 W. 183d St., New York, N. Y.	.5
2LA	Alfaro, Richard F.	730 Riverside Drive, New York, N. Y.	1.0
2ARF	Allen, Edwin W. and James J., jr.	Chatham, N. J.	.5
2AMK	Allin, Willis F.	1148 Fairmount Ave., Elizabeth, N. J.	.5
2US	Allstrom, F. Condit.	46 Chestnut St., East Orange, N. J.	.5
2AHC	Amy, Ernest V.	48 W. 70th St., New York, N. Y.	.5
2AKZ	Anderson, Lansdell.	226 Sylvania Ave., Avon-by-the-Sea, N. J.	.5
2VI	Anderson, Robert N.	353 Warburton Ave., Yonkers, N. Y.	.5
2ALG	Angen, John.	1075 Elizabeth Ave., Elizabeth, N. J.	.5
2ARV	Appell, Daniel T.	41 St. Nicholas Ter., New York, N. Y.	.5
2UR	Arany, Leo.	123 W. 112th St., New York, N. Y.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
2EG	Aranyi, Egmont.....	123 W. 112th St., New York, N. Y.	0.5
2BS	Asche, Charles F.	78 Roosevelt Pl., Freeport, N. Y.	.5
2GL	Ashley, George.....	Chatham, N. Y.	.5
2IP	Ashmall, William E., jr.	11 Pavonia Ave., Arlington, N. J.	.5
2APE	Averill, William H.....	Sayville, N. Y.	1.0
2ALV	Atkinson, Benjamin.....	496 Park Ave., Paterson, N. J.	.5
2JN	Atwater, Charles K.....	40 Oakwood Ave., Upper Montclair, N. J.	.5
2MR	Atwater, Frank G., jr.....	1562 E. 15th St., Brooklyn, N. Y.	.5
2NY	Austrian, Ralph B.....	49 St. Nicholas Ter., New York, N. Y.	1.0
2AMR	Avery, John.....	4 Spruce St., Corona, N. Y.	.5
2RW	Baily, Hobart W.....	Harrison, N. Y.	.5
2APX	Baker, Alvah L.....	233 W. 116th St., New York, N. Y.	.5
2LO	Baker, William N.....	881 Montgomery St., Jersey City, N. J.	.5
2ARA	Ballison, Howard.....	361 Eastern Parkway, Brooklyn, N. Y.	.5
2AIX	Ballentine, Harold E.....	17 Sharp Ave., Port Richmond, N. Y.	.5
2DL	Bangert, Valentine F., jr.....	34 Orchard St., Jamaica, N. Y.	.5
2BD	Banta, Theodore C.....	76 Walnut St., Ridgewood, N. J.	.5
2AQP	Bargebuhr, Herbert M.....	649 W. 184th St., New York, N. Y.	.5
2PC	Barriette, Samuel L.....	311 Macon St., Brooklyn, N. Y.	.5
	Barron Avenue High School. See Love, John H.		
2GB	Bartlett, Bernard W.....	507 Westfield Ave., Westfield, N. J.	.5
2CJ	Bathgate, Walter E.....	102 High St., Passaic, N. J.	.5
2ADV	Bazensky, Joseph I.....	307 Berriman St., New York, N. Y.	.5
2AFZ	Beaton, J. Donald.....	Waterwitch, N. J.	.5
2EJ	Bechtloff, Claude B.....	106 Walnut St., Ridgewood, N. J.	.5
2CZ	Becker, Frank.....	12 Callister St., New York, N. Y.	.5
2AGE	Bedell, Walter R.....	35 Hooker Ave., Poughkeepsie, N. Y.	.5
2CO	Beechel, George H. J.....	231 79th St., Brooklyn, N. Y.	.5
2ACX	Beeken, William S.....	Fanwood, N. J.	.5
2MV	Bell, Arthur E.....	92 Elizabeth St., West New Brighton, N. Y.	.5
2WN	Beller, William A. G.....	588 Essex St., Brooklyn, N. Y.	.5
2AGA	Belsky, Walter.....	1134 Findlay Ave., New York, N. Y.	.5
2AQX	Bement, Frederic.....	Bryant High School, Long Island City, N. Y.	1.0
2LL	Benedict, Alonzo R.....	Newburgh, N. Y.	.5
2AP	Benson, Edwin.....	2567 Bediord Ave., Brooklyn, N. Y.	.5
2ALW	Benson, Warren S.....	4 Fuller Pl., New York, N. Y.	.5
2TE	Bentzig, Victor H.....	165 Woodmere Pl., Richmond Hill, N. Y.	.5
2AHA	Benzing, Herman A.....	802 E. Jersey St., Elizabeth, N. J.	.5
2ARY	Berger, George P.....	171 Parker St., Newark, N. J.	.5
2PN	Berger, H. C. V. B.....	33 Pennington Ave., Passaic, N. J.	.5
2AHS	Bergner, James A.....	206 High St., Brooklyn, N. Y.	.5
2AFB	Berlin, Benjamin.....	1252 Flatbush Ave., Brooklyn, N. Y.	.5
2NT	Bernstein, Arthur W.....	220 1st Ave., Mt. Vernon, N. Y.	.5
2MS	Berri, Herbert.....	497 E. 17th St., Brooklyn, N. Y.	.5
2AMH	Bettels, Edward T.....	56 Rockdale Ave., New Rochelle, N. Y.	.5
2MN	Betts, Philander II.....	218 Valley Rd., Montclair, N. J.	.5
2AIF	Bils, Charles A.....	86 Clark Ave., Ocean Grove, N. J.	.5
2QB	Blackford, Harold W.....	220 Park Ave., Plainfield, N. J.	.5
2FO	Blanchard, Wesley S.....	170 Jersey St., New Brighton, N. Y.	.5
2CR	Blauvelt, William M.....	198 Main St., Nyack, N. Y.	.5
2SP	Bleilevms, Gerhardt.....	318 33d St., Woodcliff-on-Hudson, N. J.	1.0
2AHK	Bocchio, Raymond.....	8 E. Barbour St., Haledon, N. J.	.5
2AFA	Bodkin, Laurence G.....	290 Clinton Ave., Brooklyn, N. Y.	.5
2FD	Boeder, Arthur R.....	3430 Duncomb Ave., New York, N. Y.	1.0
2PY	Bogardus, Henry L.....	327 Bergen Ave., Jersey City, N. J.	.5
2AQS	Bohman, Albert.....	122 Wilbur Ave., Long Island City, N. Y.	.5
2TP	Bohn, William C.....	1515 2d Ave., New York, N. Y.	.5
2ARG	Bona, Edward.....	82 Van Nostrand Ave., Jersey City, N. J.	.5
2UG	Bondeaux & Knights.....	862 Hewitt Pl., New York, N. Y.	1.0
2ME	Rooth, Sherman F.....	30 Center St., New York, N. Y.	.5
2AQM	Borax, Isidor.....	226 W. 121st St., New York, N. Y.	.5
2ASM	Borduin, David.....	61 Planter Ave., Prospect Park, N. J.	.5
2AEK	Brainard, Edward S.....	400 W. Franklin Ave., Ridgewood, N. J.	1.0
2LW	Breen, Thomas J.....	353 E. 193d St., New York, N. Y.	.5
2ARN	Bremer, Frank V.....	3613 Boulevard, Jersey City, N. J.	.5
2AII	Brewster Carleton, jr.....	2 Ocean Ave., Bay Shore, N. Y.	.5
2AAS	Brick, Frank R., jr.....	50 Avenue B, Bayonne, N. J.	1.0
2GF	Brockman, Francis C.....	226 Walnut St., Roselle Park, N. J.	1.0
2AFC	Broggini, Claud.....	2605 8th Ave., New York, N. Y.	.5
2CL	Brooklyn Telegraph School.	313 Fulton St., Brooklyn, N. Y.	.5
2FU	Brooks, L. Van V.....	510 W. 113th St., New York, N. Y.	.5
2AJF	Broome, Frank H.....	315 Chestnut St., Roselle Park, N. J.	.5
2FF	Brower, Harold S.....	19 S. Clinton St., Poughkeepsie, N. Y.	.5
2ANT	Brown, Mortimer.....	Sayville, N. Y.	.5
2VM	Brown, Phillip T.....	1808 Grand Concourse, New York, N. Y.	1.0
2KD	Browne, Walram S.....	1565 E. 12th St., Brooklyn, N. Y.	1.0

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
2JR	Bruce, Edmond	2049 63d St., Brooklyn, N. Y.	0.5
2AMI	Brush, George S., jr. Bryant High School. See Bement, Frederic.	326 E. Main St., Patchogue, N. Y.	.5
2AF	Bryant, Marquis V.	6 S. Highland Ave., Nyack, N. Y.	.5
2MH	Buchanan, William F.	128 Market St., Perth Amboy, N. J.	.5
2ACN	Buchheister, Morris	5 W. 177th St., New York, N. Y.	.5
2NL	Buckman, John R.	4 Hemlock Pl., New Rochelle, N. Y.	.5
2AKO	Burns, Raymond N.	203 Bay 31st St., Bensonhurst, N. Y.	.5
2AID	Butler, Robert M.	396 E. 16th St., Brooklyn, N. Y.	.5
2AJ	Buttner, Edwin T.	Keansburg, N. J. (portable station)	.5
2AGM	Buttner, Edwin T.	1160 3d Ave., New York, N. Y.	.5
2AHR	Byrne, William	85 N. 120th St., Rockaway Park, N. Y.	.5
2ACQ	Cadmus, Le Roy G.	96 Forest Ave., Glen Ridge, N. J.	.5
2WK	Caggiano, Carmine J.	245 Pacific St., Brooklyn, N. Y.	1.0
2RL	Camp, Victor F.	Brightwaters, N. Y.	.5
2ARP	Campbell, George C.	92 Highland Ave., Yonkers, N. Y.	.5
2ES	Campbell, Robert, jr.	117 Marshall St., Elizabeth, N. J.	.5
2SX	Cannon, George C.	183 Drake Ave., New Rochelle, N. Y.	1.0
2ALK	Capillon, Edward A.	799 Park Ave., New York, N. Y.	.5
2APR	Carpenter, Stephen C.	273 S. Main St., Hempstead, N. Y.	.5
2AIC	Carr, John	204 W. 149th St., New York, N. Y.	.5
2JA	Carruthers, David	135 Waverly Pl., New York, N. Y.	.5
2AKE	Cater, Raymond	Keyport, N. J.	.5
2AKJ	Caulfield, James V.	2331 185th St., New York, N. Y.	.5
2ADB	Cawman, David L.	1531 Sewell Ave., Asbury Park, N. J.	.5
2APY	Charleton, Eugene E.	1628 11th Ave., Brooklyn, N. Y.	.5
2AOC	Cherry, George S.	155 Broad St., Keyport, N. J.	.5
2DS	Clark, Le Roy	Chestnut St., Englewood, N. J.	1.0
2AQJ	Clarkin, William	38 Vernon Ter., East Orange, N. J.	.5
2AOK	Class, Charles L.	416 Morris Ave., New York, N. Y.	.5
2AAK	Codaday, Lawrence M.	227 Audubon Ave., New York, N. Y.	1.0
2MY	Cohan, Edwin K.	601 W. 156th St., New York, N. Y.	1.0
2ARR	Cohen, Monte	310 W. 14th St., New York, N. Y.	.5
2PS	Cohen, Samuel	1936 Pitkin Ave., Brooklyn, N. Y.	.5
2HV	Collignon, Francis A.	352 Willet Ave., Port Chester, N. Y.	.5
2TZ	Collins, Frank J.	22 Cedar St., Yonkers, N. Y.	.5
2RT	Collinson, Jesse G.	70 Cherry St., West Orange, N. J.	.5
2KN	Collison, Percy B.	172 Maple St., Brooklyn, N. Y.	.5
2HW	Combes, Rae	2A E. 42d St., Bayonne, N. J.	.5
2AHI	Comes, William J.	14 Geneva St., Newark, N. J.	.5
2FQ	Connor, Harold G.	827 3d Ave., North Troy, N. Y.	.5
2JC	Connors, James	1304 Shakespeare Ave., New York, N. Y.	.5
2AMW	Coon, George	36 116th St., New York, N. Y.	.5
2ADY	Cooper, William S.	586 53d St., Brooklyn, N. Y.	.5
2HF	Coote, Charles W.	210 Audubon Ave., New York, N. Y.	.5
2KA	Coote, Charles W.	586 177th St., New York, N. Y.	.5
2IG	Corwin, George E.	46 Hanford St., Middletown, N. Y.	.5
2LD	Cotter, William F.	68 Oakland Ave., Jersey City, N. J.	.5
2VK	Covert, James D.	40 Glenwood Rd., Upper Montclair, N. J.	.5
2IT	Cowper, Norman C.	Lynbrook, N. Y.	1.0
2AER	Crinnion, Edward T. J.	63 Mt. Hope Pl., New York, N. Y.	.5
2DP	Crocker, Frank II.	11 Broadway, Rockville Center, N. Y.	.5
2GJ	Cronmeyer, Edmund G.	1201 Vyse Ave., New York, N. Y.	.5
2AJV	Cronin, William	526 W. 174th St., New York, N. Y.	.5
2EM	Crosby, Roy C.	211 W. 148th St., New York, N. Y.	.5
2ADM	Crosby, Warner N.	Saddle River, N. J.	.5
2ANQ	Crowe, Howard A.	Harrison, N. Y.	.5
2ABF	Crozier, Edward A.	Fair Haven, N. J.	.5
2KJ	Cummings, Frank N.	2132 Washington Ave., New York, N. Y.	.5
2ADT	Cushman, Charles D., jr.	137 Davis Ave., New Brighton, N. Y.	.5
2DI	Cyriax, Ernest A.	219 E. 71st St., New York, N. Y.	.5
2GG	Dahlgren Birger A.	1652 41st St., Brooklyn, N. Y.	.5
2BJ	Dahms, Herbert	21 Manitou Ave., Poughkeepsie, N. Y.	.5
2CE	Dain, John W.	313 James St., Peekskill, N. Y.	1.0
2AD	Dammers, Albert	145 Newell Ave., Rutherford, N. J.	1.0
2AAI	Dartignenave, Henry P.	659 W. 179th St., New York, N. Y.	.5
2AOY	Davidson, Arthur	308 W. 112th St., New York, N. Y.	.5
2AGX	Davies, Richard J., jr.	334 4th St., Union Hill, N. J.	1.0
2ADP	Davis, Clarence F.	809 Park Pl., Brooklyn, N. Y.	.5
2CX	Davison, Walter H., jr.	22 N. Park Ave., Rockville Center, N. Y.	.5
2NA	Dawley, Earle R.	86 Henry St., Passaic, N. J.	.5
2AIS	Dawson, Fred	64 Laurel Ave., Arlington, N. J.	.5
2KK	Day, Howard B.	555 Mountain Ave., Westfield, N. J.	1.0
	de Calahorra, Amadeo S. See Saenz de Calahorra, Amadeo.		

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
2AFN	Decker, Ralph W. E.	21 Valley Rd., White Plains, N. Y.	1.0
2VS	Decker, Ralph W. E.	7 Odell Ave., White Plains, N. Y.	1.0
2JX	De Cortin, Gustav A.	16 Elm St., Mt. Vernon, N. Y.	.5
2AJX	Dederick, Harry C.	46 N. 5th St., Hudson, N. Y.	.5
2TL	de Forest, Edward L., Jr.	Garden City, N. Y.	.5
2AAB	Deltz, Burr V.	Blingerlands, N. Y.	.5
2JT	Dennis, Frederick F.	Fair Haven, N. J.	.5
2CF	Derx, Martin, Jr.	253 Vernon Ave., Brooklyn, N. Y.	1.0
2AJG	De Vizio, Joseph	1656 Parker St., Westchester, N. Y.	.5
2AS	De Yoe, Willard L.	689 Broadway St., Paterson, N. J.	.5
2TC	Dickenson, Henry E.	91 Greenbridge Ave., White Plains, N. Y.	.5
2CN	Dickey, Edward T.	1649 Amsterdam Ave., New York, N. Y.	.5
2ARX	Dickinson, Edwin A.	1038 Garden St., Hoboken, N. J.	.5
2GY	Dietz, Walter	13 Sherman Ave., Yonkers, N. Y.	.5
2ARM	Dimmick, F. Ray	2304 4th St., Jersey City, N. J.	.5
2ALL	Dinga, William E.	585 Amsterdam Ave., New York, N. Y.	.5
2AFE	Dix, Harold S.	115 Harrison Ave., Westfield, N. J.	.5
2ABO	Dodd, H. Hanson	131 Clarewill Ave., Upper Montclair, N. J.	.5
2RO	Dodds, Andrew C.	132 S. Swan St., Albany, N. Y.	.5
2EZ	Donohue, Peter J.	103 W. 60th St., New York, N. Y.	.5
2ML	Donovan, Etienne S.	255 Circuit St., New Rochelle, N. Y.	.5
2EA	Doty, Walter P.	478 W. 145th St., New York, N. Y.	.5
2AIA	Draper, George B.	1076 Anderson Ave., New York, N. Y.	.5
2EU	Droste, George T.	1309 Pugsley Ave., New York, N. Y.	.5
2QA	Drury, Frank	21 Amherst Ave., Jamaica, N. Y.	.5
2IY	Dugan, Edward W.	631 Jersey Ave., Jersey City, N. J.	.5
2TN	Dunham, Clarence L.	250 Woodlawn Ave., Jersey City, N. J.	.5
2ACV	Dunham, John S.	22 Buckingham Rd., Brooklyn, N. Y.	.5
2ALI	Dunham, Nelson	103 1st Ave., Highland Park, N. J.	1.0
2HT	Dunn, Alan C.	62 Edgecombe Ave., New York, N. Y.	.5
2RG	Earle, William P., Jr.	White Plains, N. Y.	.5
2AV	Eastern District Y. M. C. A.	179 Marcy Ave., New York, N. Y.	.5
2AI	Eber, John G.	5505 3d Ave., Brooklyn, N. Y.	.5
2ADE	Eckler, H. D.	30 Highland Ave., Walden, N. Y.	.5
2QJ	Eckley, Harold J.	Beechmont Pk., New Rochelle, N. Y.	.5
2PG	Eckstein, William J.	35 W. 177th St., New York, N. Y.	1.0
2AEH	Edwards, Joseph B.	236 Linden Ave., Brooklyn, N. Y.	.5
2AKN	Eddy, John L., Jr.	11 3d Ave., New Brighton, N. Y.	.5
2LE	Egolf, Richard S.	1122 49th St., Brooklyn, N. Y.	.5
2AGY	Ellingham, Irving	302 Broadway, New York, N. Y.	.5
2IQ	Elliott, Paul C.	162 E. 66th St., New York, N. Y.	.5
2RG	Elrae Mfg. & Trading Co.	White Plains, N. Y.	1.0
2ET	Emanuel, John H., Jr.	Englewood, N. J.	.5
2EP	Engelhart, Lawrence	New Dorp, N. Y.	.5
2ET	England, George B.	917 St. Nicholas Ave., New York, N. Y.	.5
2ASO	Engstrom, Joseph E.	100 St. Marks Pl., Brooklyn, N. Y.	.5
2OC	Erasmus Hall High School	Flatbush Ave., Brooklyn, N. Y.	.5
2ARZ	Erickson, Ewald T.	Harrison, N. Y.	.5
2AOO	Erven, Raymond P.	Keansburg, N. J.	.5
2AIR	Estberg, Hugo L.	682 Bergen St., Brooklyn, N. Y.	.5
2FR	Ettlinger, Albert	202 W. 93d St., New York, N. Y.	.5
2UF	Evans, Arthur F.	246 Emerson Pl., Brooklyn, N. Y.	.5
2AHY	Everingham, Charles E.	206 9th St., Troy, N. Y.	.5
2BI	Everitt, William L.	724 South St., Peekskill, N. Y.	.5
2IC	Faraon, Adolph J.	536 Hudson St., Hoboken, N. J.	1.0
2PM	Faraon, Adolph J.	Belle Harbor, N. Y.	1.0
2JK	Faraon, Rene J.	808 West End Ave., New York, N. Y.	.5
2IB	Feeney, Walter	515 McLean Ave., Yonkers, N. Y.	1.0
2ADQ	Felix, Edgar	528 Riverside Drive, New York, N. Y.	.5
2ANY	Felt, George G.	Hawthorne, N. Y.	.5
2ARC	Ferguson, George M.	303 Stuyvesant Ave., Brooklyn, N. Y.	.5
2MZ	Ferguson, James B., jr.	331 E. 173d St., New York, N. Y.	.5
2AQT	Ferris, Clinton S.	409 Smith St., Peekskill, N. Y.	1.0
2CY	Ferris, Malcolm	Seaside Park, N. J.	.5
2ALE	Fingerlin, Harold J.	296 Washington Ave., Rockaway Beach, N. Y.	.5
2AIQ	Fink, Gustave	315 Lenox Rd., Brooklyn, N. Y.	.5
2ANF	Fish, Edward H.	27 Highland Ave., Middletown, N. Y.	.5
2AEM	Fishoff, Louis A.	210 E. 114th St., New York, N. Y.	.5
2RU	Fletcher, Jordon J.	Lynbrook, N. Y.	1.0
2WB	Fogetti, Howard J.	7421 Narrows Ave., New York, N. Y.	.5
2ANM	Foot, N. Brainard	1432 75th St., Brooklyn, N. Y.	.5
2TB	Ford, Everett J.	318 Randolph Ave., Jersey City, N. J.	.5
2FV	Foster, Dudley E.	423 4th Ave., Newark, N. J.	.5
2IR	Foulke, J. Brion, jr.	Babylon, N. Y.	.5
2WM	Fowler, Jack B.	676 Lincoln Pl., Brooklyn, N. Y.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kil.
2KM	Francis, Charles E.	1662 70th St., Brooklyn, N. Y.	0.5
2AME	Frank, Richard	408 Main St., Union, N. J.	.5
2ALA	Francis, Sylvian	294 W. 92d St., New York, N. Y.	.5
2AQW	Frankenstein, Edwin S.	97 Bruce Ave., Yonkers, N. Y.	.5
2APZ	Freeman, Robert J.	Southampton, N. Y.	.5
2FK	Freure, Richard W.	439a McDonough St., Brooklyn, N. Y.	.5
2JH	Fricke, William B.	156 N. Arlington Ave., East Orange, N. J.	.5
2ABE	Frost, Jacob	1531 2d Ave., New York, N. Y.	.5
2BG	Gaede, George F.	Preakness, N. J.	.5
2QG	Gale, Rowland A.	540 W. 154th St., New York, N. Y.	.5
2UP	Gannon, J. Kimball	517 Park St., Upper Montclair, N. J.	.5
2GR	Gardell, Emil C.	Oakhurst, N. J.	.5
2AQC	Gardner, William E.	15 Prospect St., Adams, N. Y.	.5
2MC	Garity, William E.	324 Reid Ave., Brooklyn, N. Y.	.5
2FX	Gedney, Ray Van D.	Center Ave., Little Falls, N. J.	1.0
2AMY	Geils, Henry	1 Walton Ave., New York, N. Y.	.5
2ADD	Gelina, C. J.	Chatham, N. Y.	.5
2ASA	Genodette, Honore E.	Kinderhook, N. Y.	.5
2AIM	Giefer, Frank H., jr.	West Brighton, N. Y.	.5
2AY	Gittelbauer, Frederick	38 Vreeland St., East Rutherford, N. J.	.5
2TV	Glenn, George	48 Chester St., Newark, N. J.	.5
2AIT	Gluck, John	1709 Park Ave., New York, N. Y.	.5
2JU	Goette, Clifford J.	1425 Church St., Richmond Hill, N. Y.	1.0
2AJY	Goldstein, Jack	956 Stebbins Ave., New York, N. Y.	.5
2AFU	Goll, Robert E.	1710 Caton Ave., Brooklyn, N. Y.	.5
2KY	Goodchild Electrical Co.	237 Greenwich St., New York, N. Y.	1.0
2AA X	Goodell, John B.	106 Loraine Ave., Upper Montclair, N. J.	1.0
2UN	Graham, Malcolm	4 Overlook Ave., Ridgewood, N. J.	.5
2ALB	Gratzner, Raymond	802 W. 181st St., New York, N. Y.	.5
2EB	Gray, Frank F.	Madison Bldg., Montclair, N. J.	1.0
2ARS	Grece, Joseph F.	134 Manhattan Ave., Jersey City, N. J.	.5
2BK	Green, Adoniram J.	73 Paterson St., Paterson, N. J.	.5
2QQ	Green, Irving W.	85 Clerk St., Jersey City, N. J.	.5
2LP	Green, Raymond J.	1352 St. Nicholas Ave., New York, N. Y.	.5
2KL	Gregory, Arthur V.	197 High St., Perth Amboy, N. J.	.5
2AQR	Grover, Paul B.	Toms River, N. J.	.5
2AGI	Grumbacher, Walter	Peekskill, N. Y.	.5
2AJP	Grummet, Melvin L.	9525 4th Ave., Brooklyn, N. Y.	.5
2CI	Guarino, John J.	242 Mountain Way, Kingsland, N. J.	.5
2BQ	Guild, Baldwin	495 Mt. Prospect Ave., Newark, N. J.	.5
2DO	Guldi, Walter E.	Sayville, N. Y.	.5
2ADN	Gutmann, Bernard	110 Garfield Pl., Brooklyn, N. Y.	.5
2ANC	Guy, Raymond F.	342 Broadway, Tottenville, N. Y.	1.0
2RR	Haight, Russell P.	18 Spruce St., Bloomfield, N. J.	1.0
2EV	Hajos, Eugene	626 Trinity Ave., New York, N. Y.	1.0
2AQZ	Hail, Norman C.	47 Hill St., Newark, N. J.	.5
2KR	Hallenbeck, Charles	1150 54th St., Brooklyn, N. Y.	.5
2UQ	Hallett, E. Douglas	86 Prospect Pl., Rutherford, N. J.	.5
2EN	Halligan, James W.	328 E. 19th St., New York, N. Y.	.5
2ART	Hammond, George P.	1855 70th St., Brooklyn, N. Y.	.5
2AFV	Halsey, Edward G., jr.	200 Smith St., Peekskill, N. Y.	.5
2CW	Ham, Frank H.	Cornwall-on-Hudson, N. Y.	.5
2DD	Hammond, Fremont M.	160 E. Main St., Patchogue, N. Y.	.5
2PX	Hamilton, Albert G., jr.	Beach Ave., Larchmont, N. Y.	.5
2OA	Hammond, Lester	2 Pinehurst Ave., New York, N. Y.	1.0
2AKM	Hanson, George V.	Rockaway Beach, N. Y.	.5
2AE	Happe, William H.	566 W. 162d St., New York, N. Y.	.5
2GH	Hardy, Myles	373 W. 126th St., New York, N. Y.	.5
2IP	Harper, Augustus F.	512 Washington Ave., Brooklyn, N. Y.	.5
2BC	Harris, James B.	4 125th St., New York, N. Y.	1.0
2AMN	Hart, Phillip	225 Brighton Ave., Perth Amboy, N. J.	.5
2FZ	Harris, Charles C.	Freeport, N. Y.	.5
2ACE	Harrison, John B.	112 Broad St., Bloomfield, N. J.	.5
2MA	Hasbrouck, Earl	Walkill, N. Y.	1.0
2SM	Hatry, William B.	71 Orange St., Brooklyn, N. Y.	.5
2ACW	Hattermuller, Theodore	34 S. Railroad Ave., Middletown, N. Y.	.5
2ASC	Hauger, Oscar	37 Zal-riskie St., Haledon, N. J.	.5
2APN	Hausrath, Alfred H., jr.	1866 Cedar Ave., New York, N. Y.	.5
2JC	Hawkins, Ernest W.	224 Depew St., Peekskill, N. Y.	.5
2KC	Hayes, Frank X. J.	162 E. 82d St., New York, N. Y.	.5
2BM	Heermance, Earle	523 State St., Hudson, N. Y.	.5
2APG	Hegmege, Joseph O. L.	235 River Drive, Garfield, N. J.	.5
2AFJ	Heinsohn, Frederick E.	442 S. 4th Ave., Mt. Vernon, N. Y.	.5
2ANI	Heinzmann, Milton	991 Chancellor Ave., Irvington, N. J.	.5
2AMO	Heiss, Walter	51 Crawford St., Newark, N. J.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
2ABB	Held, William J.	110 Elliot Ave., Yonkers, N. Y.	Kw.
2PW	Hellman, Abraham F.	424 E. 138th St., New York, N. Y.	0.5
2FJ	Helwig, Herman	711 E. 18th St., Brooklyn, N. Y.	.5
2ACT	Hendricks, Miles S.	Lloyd, N. Y.	.5
2AKV	Herbert, Norman	54 Crawford St., Newark, N. J.	.5
2NR	Heuer, William H.	Islip, N. Y.	.5
2AIG	Hevener, Osborn F.	215 4th St., Newark, N. J.	.5
2AGJ	Hewitt, John K.	Quail and Bradford Sts., Albany, N. Y.	1.0
2WE	Heydon, Albert R.	403 Decatur St., Brooklyn, N. Y.	.5
2UO	Heyer, Benjamin W.	45 N. Fullerton Ave., Montclair, N. J.	.5
2DG	Higgs, Harry Y.	30 Irving Pl., Brooklyn, N. Y.	.5
2NU	Hill, William S.	332 Rector St., Perth Amboy, N. J.	.5
2H	Hiller, Harry E.	5 Charles St., West Orange, N. J.	.5
2ANV	Hirschfeld, Edward	338 W. 18th St., New York, N. Y.	.5
2LJ	Hoagland, Raymond	Red Bank, N. J.	1.0
2ALX	Hobson, Christopher E.	1018 Columbus Ave., Westfield, N. J.	1.0
2EK	Hoernel, Paul	Babylon, N. Y.	.5
2ANJ	Hoff, Russell S.	298 Western Ave., Albany, N. Y.	.5
2AQQ	Hoffman, Frank	Keansburg, N. J.	.5
2NS	Hoffman, Paul J.	165 E. 88th St., New York, N. Y.	.5
2AFM	Holmes, George	158th St. and Harlem River, New York, N. Y.	.5
2AFO	Holmes, George	164 W. 146th St., New York, N. Y.	1.0
2ADW	Homan, Carroll L.	Sayville, N. Y.	.5
2NF	Homan, Eber J.	1915 62d St., Brooklyn, N. Y.	.5
2AEU	Honeywell, Robert	515 Prospect Ave., Asbury Park, N. J.	.5
2LY	Hoover, Raymond	496 Belmont Ave., Newark, N. J.	.5
2MF	Hoppock, Allen H.	215 Clark St., Westfield, N. J.	.5
2AOL	Horn, Charles W.	379 Broadway, Far Rockaway, N. Y.	.5
2OJ	Horning, Robert H.	29 Westfield Ave. E., Roselle Park, N. J.	1.0
2AFW	Hornung, Julius L.	203 E. 64th St., New York, N. Y.	.5
2HU	Hotchkiss, Grosvenor	146 Halsey St., Brooklyn, N. Y.	.5
2ASB	Houseworth, Charles W.	2422 University Ave., New York, N. Y.	.5
2II	Howell, Walter J.	135 Edgecombe Ave., New York, N. Y.	.5
2DF	Hoyt, William L.	44 Hilton Ave., Garden City, N. Y.	.5
2ALO	Huff, Frederick W.	665 State St., Perth Amboy, N. J.	.5
2ABT	Hulse, L. Mortimer	9 James St., Middletown, N. Y.	.5
2ALP	Hulse, Tremaine	32 3d Ave., Bay Shore, N. Y.	.5
2ADC	Humphreys, Ferdinand F.	319 W. 82d St., New York, N. Y.	.5
2AK	Hunkins, Carl J.	South Side High School, Newark, N. J.	.5
2ADL	Hunkins, Carl J.	123 Hillside Ave., Newark, N. J.	.5
2AMS	Hunter, John W.	68th St. and 2d Ave., Brooklyn, N. Y.	.5
2ACD	Hunter, Thomas F.	1102 W. 2d Ave., Asbury Park, N. J.	.5
2EF	Hurd, Theodore	Tilton Ave., Red Bank, N. J.	.5
2HL	Huyler, Rollin M.	809 St. Nicholas Ave., New York, N. Y.	.5
2APV	Hymmen, Robert	100 Armstrong Ave., Jersey City, N. J.	.5
2BW	Hynes, Eugene	2429 Valentine Ave., New York, N. Y.	.5
2UJ	Innes, Richard C.	343 W. 29th St., New York, N. Y.	.5
2NQ	Isaacson, Charles B.	48 W. 89th St., New York, N. Y.	1.0
2AQB	Jablousky, William	553 E. 134th St., New York, N. Y.	.5
2LS	Jackson, Benjamin B.	188 Montross Ave., Rutherford, N. J.	1.0
2EX	Jacquet, Lloyd	478A 16th St., Brooklyn, N. Y.	.5
2ADU	Jakobson, Irving D.	370 Senator St., Brooklyn, N. Y.	.5
2AMG	Jaques, Channing K.	150 Elm St., New Rochelle, N. Y.	.5
2IK	Jensen, Martin	27 Grant Ave., Yonkers, N. Y.	.5
2ARW	Jockers, Edwin B.	142 Ridge St., Newark, N. J.	.5
2ASE	Johnson, Axel W.	459 E. 135th St., New York, N. Y.	.5
2A1Y	Johnson, John A.	1028 2d Ave., New York, N. Y.	.5
2ANZ	Johnson, Richard H.	23 S. Clinton St., Poughkeepsie, N. Y.	.5
2VC	Johnson, Theophilus, jr.	17 3d St., Woodside, N. Y.	.5
2RV	Johnson, W. Eugene	Grant Ave., East Rockaway, N. Y.	.5
2AAL	Johnstone, George W.	235 Rector St., Perth Amboy, N. J.	.5
2OY	Jones, Frank	1814 Brunswick St., Newark, N. J.	.5
2AO	Jones, Robert O.	88 Ella St., Bloomfield, N. J.	.5
2AAQ	Judson, Joseph E.	89 3d St., Keyport, N. J.	.5
2APH	Kalbach, Charles	2211 Andrews Ave., New York, N. Y.	.5
2AJL	Kalning, William C.	1455 Ave. A., New York, N. Y.	.5
2NC	Katz, Frederick	1464 Seabury Pl., New York, N. Y.	.5
2ABH	Kavanagh, John	1920 Anthony Ave., New York, N. Y.	.5
2VT	Kayser, Herbert	41 Convent Ave., New York, N. Y.	1.0
2WA	Keers, John K.	224 81st St., Brooklyn, N. Y.	.5
2ALR	Kells, David G.	253 73d St., Brooklyn, N. Y.	.5
2QX	Keller, George C.	2181 Richmond Turnpike, Port Richmond, N. Y.	.5
2ON	Kellow, James C.	144 Liberty Ave., Jamaica, N. Y.	1.0
2NJ	Kennedy, Harold J.	51 Bainbridge St., Brooklyn, N. Y.	.5
2AEQ	Kienzie, Henry A.	419 E. 79th St., New York, N. Y.	.5
2EX	Kilmer, Theron W.	165 W. 85th St., New York, N. Y.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
2AGZ	King, Frank	326 W. 107th St., New York, N. Y.	1.0
2QD	King, Wendell W.	778 1st Ave., Upper Troy, N. Y.	1.0
2FI	Kirkpatrick, Louis W.	317 6th Ave., Newark, N. J.	.5
2ANG	Kirschhoff, Willard J.	438 E. 148th St., New York, N. Y.	.5
2DV	Kissick, Robert G.	199 Lincoln Pl., Brooklyn, N. Y.	.5
2AEC	Kleinberger, Richard	239 Bement Ave., West New Brighton, N. Y.	.5
2AOH	Kleppe, Arthur	189 Inwood Ave., Montclair, N. J.	.5
2AHD	Klopak, Joseph	509 S. 10th St., Newark, N. J.	.5
2AND	Klune, Fred C., Jr.	Harrison, N. Y.	.5
2DH	Knapp, Samuel	89A Cooper St., Brooklyn, N. Y.	.5
2AJB	Knies, Emil H.	274 W. 135th St., New York, N. Y.	.5
2APQ	Knight, Harold E. H.	251 Fenimore St., Brooklyn, N. Y.	.5
2AET	Knopf, Richard	3048 Decatur Ave., New York, N. Y.	.5
2VF	Koch, Edward	168 Willis Ave., New York, N. Y.	.5
2NP	Koenig, George F.	4279 Webster Ave., New York, N. Y.	.5
2SF	Kollock, Alan S.	1009 Walker Ave., Woodhaven, N. Y.	.5
2AAP	Kollock, Arnett W.	862 Madison St., Brooklyn, N. Y.	.5
2ANS	Koyen, Walter R.	Woodbridge, N. J.	.5
2BB	Krech, Karl G.	316 Godwin Ave., Midland Park, N. J.	.5
2APU	Krantz, Hubert K.	183 Argyle Rd., Brooklyn, N. Y.	.5
2BQ	Kreft, Raymond A.	10 Elm St., West Orange, N. J.	.5
2AAR	Kroger, Ernest G.	Hartsdale, N. Y.	.5
2ADS	Lafrenandre, Gaston W.	Sayville, N. Y.	.5
2PU	Lalley, Joseph F.	202 4th St., Union Hill, N. J.	.5
2AQK	Lambert, Fred F.	300 Sickles Ave., New Rochelle, N. Y.	.5
2HX	Lane, David M.	343 9th St., Jersey City, N. J.	.5
2TY	Lane, George	139 Academy St., Poughkeepsie, N. Y.	.5
2FS	Larkin, James S.	66 E. 56th St., New York, N. Y.	.5
2AOE	Larsen, Rudolph	220 Madison Ave., Perth Amboy, N. J.	.5
2AAM	Laug, Ernest	411 Spring St., West Hoboken, N. J.	.5
2APF	Lauterborn, George E.	68 N. Lark St., Albany, N. Y.	.5
2MB	Lawrence, George J., jr.	Jackson Ave., Nyack, N. Y.	.5
2KG	Layng, Grant	841 St. Nicholas Ave., New York, N. Y.	.5
2AOJ	Leathe, William W.	Larchmont, N. Y.	.5
2CB	Leeb, Henry Lorent	166 Ralston Ave., South Orange, N. J.	1.0
2AIK	Leek, Nathaniel L.	Amagansett, N. Y.	.5
2MX	Le Gallez, Clayton B.	Slingerlands, N. Y.	.5
2AFR	Lehmann, Erich W. G.	36 Steuben St., East Orange, N. J.	.5
2AKR	Leighton, Leo	515 W. 172d St., New York, N. Y.	.5
2ARJ	Leiter, David	262 Delancey St., New York, N. Y.	.5
2WG	Lemkie, Harry A.	30 Delaware St., Elizabeth, N. J.	.5
2IE	Lemma, Walter S.	319 W. 94th St., New York, N. Y.	.5
2ANB	Leo, Nelson	600 W. 183d St., New York, N. Y.	.5
2AAV	Le Tarte, Augustin J.	346 McClellan St., Schenectady, N. Y.	1.0
2AGK	Lewis, Edward H.	20-21 Morningside Ave., New York, N. Y.	.5
2AEW	Leyh, William	1867 Himrod St., Brooklyn, N. Y.	.5
2AGC	Lindgren, Richard N.	788 E. 175th St., New York, N. Y.	1.0
2ANA	Lingheimer, Carl M.	102 Watson Ave., Newark, N. J.	1.0
2AHU	Littlefield, Charles E.	2672 Mansfield Pl., Sheephead Bay, N. Y.	.5
2AKP	Lockard, J. F.	1 St. Nicholas Ter., New York, N. Y.	.5
2JF	Lockwood, Nelson W.	237 Prospect St., East Orange, N. J.	.5
2ABR	Lorini, Osmun W.	96 Highland Ave., Yonkers, N. Y.	.5
2VI	Loub, Arthur F.	445 E. 88th St., New York, N. Y.	.5
2BB	Loumsberry, Isaac R.	13 Edward St., Ossining, N. Y.	.5
2AQL	Love, John H.	Barron Ave., High School Building, Woodbridge, N. J.	.5
2ED	Lowe, Graham von S.	262 W. 77th St., New York, N. Y.	.5
2BZ	Lyman, C. Glenn	Babylon, N. Y.	.5
2HO	Lyons, William B.	Broad St., Bloomfield, N. J.	1.0
2ASG	MacBride, William D.	65 Maolis Ave., Bloomfield, N. J.	.5
2ARU	Machlett, Raymond R.	131 W. 188th St., New York, N. Y.	.5
2ABS	Mack, Burtis D.	Pleasantville, N. Y.	1.0
2WY	MacLeod, Myron R.	530 5th St., Brooklyn, N. Y.	.5
2AOB	Macksond, Michel E.	162 Congress St., Brooklyn, N. Y.	.5
2ABM	Magennis, Arthur K.	Edgewater, N. J.	.5
2AAO	Maguire, Howard S.	814 Lancaster St., Albany, N. Y.	.5
2DK	Maguire, Nelson	317 E. 144th St., New York, N. Y.	.5
2DC	Maher, Frank	207 E. 158th St., New York, N. Y.	.5
2ACS	Maier, John C.	211 E. Union Ave., Bound Brook, N. J.	.5
2KE	Maloney, Joseph T.	164 E. 82d St., New York, N. Y.	.5
2GQ	Manning, Charles T.	81 N. Maple Ave., East Orange, N. J.	.5
2AOM	Manning, Conant	191 Alexander Ave., Montclair, N. J.	.5
2AGB	Marchant, Ralph	2711 Creston Ave., New York, N. Y.	1.0
2OX	Mardon, F. Herbert	1309 West Farms Rd., New York, N. Y.	.5
2AHN	Marshall, Leonard H.	240 Westchester Ave., Rye, N. Y.	.5
2AOA	Mase, F. Kenneth	358 Moraleman St., Belleville, N. J.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
2ALN	Mason, Percy H.	106 Lewis St., Paterson, N. J.	0.5
2GX	Mason, Samuel F.	Keyport, N. J.	.5
2AFD	Massimo, Albert.	Bayside, N. Y.	.5
2AKK	Maurer, Edward W.	65 Osborn St., Keyport, N. J.	.5
2AHL	May, Anthony	1684 Ave. A, New York, N. Y.	1.0
2SG	May, Fred.	143 High St., Montclair, N. J.	.5
2TD	Mayer, Arthur C.	319 W. 139th St., New York, N. Y.	.5
2AGG	Mayer, Warren J.	157 Elm St., Elizabeth, N. J.	.5
2HP	Mayhew, B. Alan, jr.	Tenafly, N. J.	1.0
2VX	McCarthy, George W.	1012 Sutter Ave., Brooklyn, N. Y.	.5
2IL	McClintock, George C.	319 Dudley Ave., Westfield, N. J.	.5
2GP	McClintock, Ralph W.	125 High St., Nutley, N. J.	.5
2HA	McCoy, Daniel	45 Lee Ave., Yonkers, N. Y.	1.0
2ARK	McCoy, Lester M.	R. F. D. No. 2, Peekskill, N. Y.	.5
2BY	McHugh, John A.	23 Woodland Pl., White Plains, N. Y.	.5
2BO	McIntire, Mevlert A.	1127 Avenue G., Brooklyn, N. Y.	.5
2HM	McKee, Clarence A.	821 E. 216th St., New York, N. Y.	.5
2AJO	McKenna, John R.	134 Shonnard Ter., Yonkers, N. Y.	.5
2EY	McKinney, Fred J.	300 Glenwood Ave., Bloomfield, N. J.	.5
2ANE	McLean, True.	38 Central Ave., Tompkinsville, N. Y.	1.0
2PI	McLoughlin, Robert J.	105 Francisco Ave., Rutherford, N. J.	.5
2AEO	McMonagle, Daniel J.	571 59th St., Brooklyn, N. Y.	.5
2ALF	Manchee, Alleyne W.	745 Highland Ave., Newark, N. J.	.5
2AKL	Maran, Joseph F.	Marlboro, N. J.	.5
2LI	Meacham, Fredk. C., jr.	236 Decatur St., Brooklyn, N. Y.	.5
2NV	Meder, George C.	990 1st Ave., New York, N. Y.	1.0
2OF	Meier, Robert A.	Lynbrook, N. Y.	1.0
2AAW	Meinecke, Ernest	27 Zabrlskie St., Jersey City, N. J.	.5
2AAE	Mekeel, Arthur H.	Lloyd, N. Y.	.5
2AW	Melville, Richard T.	501 Sixth St., Brooklyn, N. Y.	.5
2ALC	Merrifew, John E., jr.	Northport, N. Y.	.5
2SL	Merrill, J. Stewart.	Lynbrook, N. Y.	1.0
2NO	Merritt, Frank	28 Spring St., Red Bank, N. J.	.5
2AHG	Mersfelder, J. Henry, jr.	792 S. 13th St., Newark, N. J.	.5
2OG	Meuke, Charles H.	135 Corlies Ave., Asbury Park, N. J.	.5
2ANU	Midgley, Herbert	59 Brewster St., Tompkinsville, N. Y.	.5
2IF	Miller, Eugene B.	4 New Vanderbilt Ave., Jamaica, N. Y.	1.0
2ACY	Miller, Fred W.	12 Hicks Ave., Winfield, N. Y.	.5
2AIV	Miller, George.	Huntington Station, N. Y.	.5
2ID	Miller, John W., jr.	119 Smith St., Peekskill, N. Y.	.5
2ARQ	Miller, Raymond II	327 Hillside Ave., Newark, N. J.	1.0
2ADI	Mitchell, Clifford E.	79 Walnut St., Walden, N. Y.	.5
2NI	Moles, Charles E.	229 Valentine Lane, Yonkers, N. Y.	.5
2MI	Morris, Earle S.	1192 Dean St., Brooklyn, N. Y.	.5
2LN	Morrison, Clifford P.	2513 Catalpa Ave., Brooklyn, N. Y.	1.0
2MT	Moses, Abram W.	270 E. 161st St., New York, N. Y.	.5
2GM	Moss, Sidney W.	56 Taylor Pl., So. Orange, N. J.	.5
2PO	Mott, Harold	67 Mott Ave., Far Rockaway, N. Y.	.5
2KS	Mowton, Edward M.	70 Hillcrest Ave., Yonkers, N. Y.	1.0
2HY	Muckenhaupt, Carl F.	317 Church St., Poughkeepsie, N. Y.	.5
2AML	Mueller, Carl F., jr.	440 Monroe Ave., Elizabeth, N. J.	1.0
2AIL	Mulcahy, Frank II	444 E. 169th St., New York, N. Y.	.5
2AG	Mulford, Harold C.	6 Weekes Ave., Oyster Bay, N. Y.	.5
2AFY	Muller, Herbert W.	203 E. 71st St., New York, N. Y.	.5
2AOI	Muller, Henry G.	541 W. 123d St., New York, N. Y.	.5
2HJ	Muller, Julius A., jr.	301 Union Ave., Mt. Vernon, N. Y.	.5
2GO	Mulligan, Harry G.	356 Madison Ave., Albany, N. Y.	.5
2ALQ	Mulvaney, Thomas	1903 Barnes Ave., Westchester, N. Y.	.5
2GI	Murphy, Dennis	9 Ingram St., Yonkers, N. Y.	.5
2SK	Murray, Charles	Great North, N. J.	.5
2AFQ	Murray, Stephen A.	401 Manhattan Ave., New York, N. Y.	.5
2FT	Murray, William E.	521 N. James St., Peekskill, N. Y.	.5
2ABA	Myers, Austin S.	129 Wallace Ave., Mt. Vernon, N. Y.	1.0
2ANO	Nelson, Irving J.	80 E. 115th St., New York, N. Y.	.5
2GU	New York Catholic Protectory.	Walker Ave., Westchester, N. Y.	.5
	New York Engineering College. See Harrietts, James B.		
2NW	New York School of Telegraphy.	2-14 W. 125th St., New York, N. Y.	.5
2AKD	Nichols, Robert W.	708 1st Ave., Asbury Park, N. J.	.5
2NN	Nightingale, John J.	103 17th Ave., Paterson, N. J.	.5
2AHP	Noble, J. Kendrick	441 N. Broadway, Yonkers, N. Y.	1.0
2WF	Nolan, Frank J.	100 Linden Ave., Bloomfield, N. J.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
2KF	Nolan, George T.	449 E. 183d St., New York, N. Y.	0.5
2AGO	Norris, Robert P.	906 St. Marks Ave., New York, N. Y.	.5
2AFB	Obert, J. Edwin	1005 Emory St., Asbury Park, N. J.	.5
2OL	O'Brien, Laurence J.	285 E. 157th St., New York, N. Y.	.5
2CK	O'Brien, Thomas	7 Nassau Ave., Freeport, N. Y.	1.0
2KU	Oehmen, Oscar	759 Franklin Ave., Brooklyn, N. Y.	.5
2ALS	Oetjen, John J.	543 17th St., West New York, N. J.	.5
2UV	Oliver, George E.	511 Ave. A, Bayonne, N. J.	.5
2ABW	Olsen, Arthur C.	1046 Summit Ave., New York, N. Y.	.5
2ACP	Olsen, Alfred E.	4035 Park Ave., New York, N. Y.	.5
2AKG	Olsen, George I.	1348 Iloward St., Peekskill, N. Y.	.5
2BU	Olsen, Oscar A.	948 Stebbins Ave., New York, N. Y.	.5
2OM	O'Mara, Edward F.	114 W. 61st St., New York, N. Y.	.5
2QM	Osbome, J. Spencer	164 Union Ave., Belleville, N. J.	.5
2AIN	Ostreich, Thaddeus	116 Waverly Pl., New York, N. Y.	.5
2AFT	Oudin, C. Folger	7 Union St., Schenectady, N. Y.	.5
2RE	Paceni, L. Gerard	397 Van Pelt St., Long Island City, N. Y.	1.0
2AEX	Paige, John S.	999 Esplanade, Pelham Manor, N. Y.	.5
2NK	Pain, J. Adam	18 14th Ave., Mt. Vernon, N. Y.	.5
2AQH	Palmer, Thomas	18 Fulton St., Newark, N. J.	.5
2GK	Pate, W. Schuyler	8 Douglas Rd., Glen Ridge, N. J.	1.0
2FO	Patton, Norman F.	257 W. 92d St., New York, N. Y.	.5
2ARI	Pawley, Myron G.	513 2d Ave., Asbury Park, N. J.	.5
2AZ	Pearl, Eugene S.	307 Gregory Ave., Passaic, N. J.	.5
2WH	Pearsall, Arthur R.	197 Warburton Ave., Yonkers, N. Y.	.5
2ALU	Peiler, Harold L.	321 E. 90th St., New York, N. Y.	.5
2PH	Pendleton, Archibald	49 Pendleton Pl., New Brighton, N. Y.	1.0
2MD	Pendleton, Harold A.	799 Quincy St., Brooklyn, N. Y.	.5
2AAZ	Pennell, Vere F.	15 Baldwin St., Newark, N. J.	.5
2ADZ	Perkins, William J.	425 75th St., Brooklyn, N. Y.	.5
2ARL	Perry, Irving D.	68 N. Parkway, East Orange, N. J.	.5
2AEJ	Pettit, Mortlock S.	88 Fanshawe Ave., Yonkers, N. Y.	.5
2FA	Pfeifer, Clarence H.	306 Prospect St., Ridgewood, N. J.	1.0
2NZ	Peil, A. Leslie	242 Cottage St., Irvington, N. Y.	.5
2AIC	Platz, Orlando R.	512 W. 122d St., New York, N. Y.	.5
2UX	Phelan, Charles W.	61 Powell Ave., Rockville Center, N. Y.	.5
2RX	Picken, James C., jr.	125 Sherman Ave., New York, N. Y.	.5
2AIO	Pieri, Donald	Westchester and Bergen Aves., New York, N. Y.	1.0
2ARB	Plauth, William	179 Euclid Ave., Brooklyn, N. Y.	.5
2KW	Plummer, James A.	340 Orient Way, Rutherford, N. J.	.5
2ACL	Pohlman, Lauren V.	424 Brandywine Ave., Schenectady, N. Y.	1.0
2ACC	Poling, Gifford	Keyport, N. J.	.5
2AIZ	Poling, Russell H.	Keyport, N. J.	1.0
2WC	Pollock, J. Millard	34 Clifton Pl., Brooklyn, N. Y.	.5
2WT	Poole, William C.	53 Maple St., Yonkers, N. Y.	.5
2PF	Pope, Frederick B.	24 Carroll St., Yonkers, N. Y.	.5
2AEY	Poppete, Jacob, jr.	38 Jacob St., Newark, N. J.	.5
2RJ	Porter, Charles A.	1700 Ditmas Ave., Brooklyn, N. Y.	.5
2DQ	Porter, Roland W.	1991-1993 Washington Ave., New York, N. Y.	.5
2OP	Prendergast, Robert M.	174 4th St., Union Course, N. Y.	.5
2APP	Prinz, Peter J.	28 Hanson Pl., Jamaica, N. Y.	.5
2ABV	Pulsifer, Frederic K., jr.	353 Ridgewood Ave., Glen Ridge, N. J.	1.0
2APM	Purvis, Harry	500 W. 173d St., New York, N. Y.	.5
2IP	Pruden, Harold M.	142 N. 15th St., East Orange, N. J.	.5
2EI	Quick, Henry C.	471 75th St., Brooklyn, N. Y.	.5
2AGY	Radio Stations of the World. See Ellingham, Irving.		
2ARI	Randell, Edward J.	Fort Totten, N. Y.	.5
2TK	Randolph, Randolph A.	538 W. 165th St., New York, N. Y.	.5
2AED	Rappolt, Frank A.	1879 Morris Ave., New York, N. Y.	.5
2AFG	Rattner, Manuel	36 Union St., Poughkeepsie, N. Y.	.5
2ARO	Rau, James F.	Island Heights, N. J.	.5
2ANH	Raufar, Frank J.	50 Shepherd Ave., Brooklyn, N. Y.	.5
2OE	Raynor, Sinclair L.	Freeport, N. Y.	1.0
2AJD	Redfern, William W., jr.	2249 82d St., Brooklyn, N. Y.	.5
2AJH	Reed, Cecil J.	26 College Pl., Newark, N. J.	.5
2ABZ	Regan, Claude	Keyport, N. J.	.5
2IV	Reich, Herbert J.	79 10th St., New Dorp, N. Y.	.5
2ACF	Reichman, John T.	Belford, N. J.	.5
2AJT	Reilly, Hugh	9808 Fort Hamilton Ave., Brooklyn, N. Y.	.5
2RII	Reiss, Lester	580 W. 161st St., New York, N. Y.	.5
2AJM	Requa, Reginald C.	Huntington, N. Y.	.5
2RB	Reuman, William H.	480 9th Ave., New York, N. Y.	.5
2AHO	Reyle, Stanley	421 Van Reipen Ave., Jersey City, N. J.	.5
2AEI	Reynolds, Albert S.	222 S. Clinton St., East Orange, N. J.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
2AAT	Reynolds, Palmer W.	3 N. Terrace Ave., Mt. Vernon, N. Y.	Kw. 0.5
2ACG	Reynolds, Thomas A.	16 Camp Woods Rd., Ossining, N. Y.	.5
2AJZ	Rice, Robert	715 St. Nicholas Ave., New York, N. Y.	.5
2ACU	Richardson, John R.	16 Culver St., Yonkers, N. Y.	.5
2AHZ	Richfield, Nicholas	554 W. 194th St., New York, N. Y.	1.0
2AOG	Richter, Robert	148 Blvd., Rockaway Beach, N. Y.	.5
2AGP	Ripperger, Clinton	147 Wisner Ave., Middletown, N. Y.	.5
2CV	Ritter, Alexander	110 Catalpa Ave., Perth Amboy, N. J.	.5
2CU	Robbins, Walter G.	Babylon, N. Y.	.5
2CD	Robbins, William E., jr.	614 5th Ave., Upper Troy, N. Y.	.5
2LC	Roberts, A. Ferry	Tenafly, N. J.	1.0
2AKB	Roberts, Hugh V.	19309 Hollis Ave., Hollis, N. Y.	.5
2VE	Robertson, Gus	125 Hunter Ave., Long Island City, N. Y.	.5
2KT	Robertson, Merle E.	98 Piermont Ave., Nyack, N. Y.	.5
2QR	Robertson, William L.	57 Montross St., Rutherford, N. J.	.5
2AKH	Robinson, Christopher S.	113 Johnson St., Highland Park, N. J.	.5
2AH	Roche, Walter J.	2 Irving Pl., Jamaica, N. Y.	1.0
2HE	Rock, Leroy W.	201 Beach St., Red Bank, N. J.	.5
2AMZ	Roebrich, Henry	2 Belmont Ave., Garfield, N. J.	.5
2ACO	Rogers, John	13 W. 100th St., New York, N. Y.	.5
2AOQ	Roquer, Leon E.	76 Fox Ter., Dunwoodie, N. Y.	.5
2ADG	Rosa, Harry D.	52 Gate St., Poughkeepsie, N. Y.	.5
2AGQ	Rosenberg, Uda B.	2116 Honeywell Ave., New York, N. Y.	.5
2AHH	Rossner, James E.	31 Grove Ave., Albany, N. Y.	.5
2FN	Roth, August F.	2316 Gleason Ave., New York, N. Y.	1.0
2AJE	Rowley, Herbert G.	107 Clifton Ave., Newark, N. J.	.5
2TH	Roy, James A. S.	59 Park Ter., West Orange, N. J.	.5
2AMJ	Ruddy, George F.	186 High St., Perth Amboy, N. J.	.5
2JI	Ruhlmann, Ernest R.	97 W. 34th St., Bayonne, N. J.	.5
2AHT	Rupert, Stephen E. G.	107 2d St., Pelham, N. Y.	1.0
2ANP	Valentine, Russell D.	165 Amboy Ave., Woodbridge, N. J.	.5
2AAM	Russo, Ernest O.	Atlantic City, N. J.	.5
2DE	Ruttman, Ferdinand	605 W. 141st St., New York, N. Y.	.5
2WL	Ryan, Lester F.	18 Kosciusko St., Brooklyn, N. Y.	.5
2DM	Sachs, Harold	11 E. 68th St., New York, N. Y.	.5
2ACJ	Sanz de Calahorra, Amadeo.	146 W. 65th St., New York, N. Y.	.5
2SB	Sangree, Ernest M.	1807 Ditmas Ave., Brooklyn, N. Y.	.5
2AEN	Saxton, Herbert	215 Bidwell Ave., Jersey City, N. J.	.5
2LH	Sayres, Ralph A.	4645 Central Ave., Richmond Hill, N. Y.	.5
2KS	Schabbehar, Edwin A.	412 Village Ave., Hempstead, N. Y.	1.0
2AFI	Schaefer, Charles	2027 Webster Ave., New York, N. Y.	.5
2CS	Schaefer, Charles L.	201 Broadway, Port Richmond, N. Y.	1.0
2ANW	Schaefer, Maximillian	73 W. 115th St., New York, N. Y.	.5
2KQ	Schaefer, Regnell C.	185 N. 16th St., East Orange, N. J.	.5
2AFH	Schaeffer, Adolph	1487 Nostrand Ave., Brooklyn, N. Y.	.5
2AAN	Schanck, Henry S.	92 Main St., Keyport, N. J.	.5
2APK	Schedler, Herbert D.	1024 Summit Ave., Jersey City, N. J.	.5
2BF	Schell, Richard, jr.	35 Grasmere Ave., Grasmere, N. Y.	.5
2AQL	Schenone, John	15 1st St., Keyport, N. J.	.5
2AOT	Schleckser, Raymond R.	12 Fabyan Pl., Newark, N. J.	.5
2AOZ	Schlitz, Karl W.	28 Jefferson St., Brooklyn, N. Y.	.5
2AJW	Schmelzer, Gerhard	7301 3d Ave., Brooklyn, N. Y.	.5
2AIE	Scholz, Frank A.	251 New York Ave., Newark, N. J.	.5
2PD	Schomp, Roy	76 Undercliff Ave., Edgewater, N. J.	.5
2AU	Schram, John, jr.	283 E. 32d St., Brooklyn, N. Y.	.5
2ASJ	Schroeder, Henry	23 N. 12th St., Haledon, N. J.	.5
2HI	Schuck, Charles H.	1966 University Ave., New York, N. Y.	.5
2AKX	Schwarz, Sylvan S.	30 Osborne Ter., Newark, N. J.	.5
2PQ	Schwartz, Max B.	1709 St. Johns Pl., Brooklyn, N. Y.	.5
2ND	Schweizer, Charles L.	710 3d Ave., Brooklyn, N. Y.	.5
2IN	Scotfield, Robert W.	87 Macon St., Brooklyn, N. Y.	.5
2AQG	Scott, Walter F.	207 N. 11th St., Newark, N. J.	.5
2AIU	Scully, Walter	260 Fairmount Ave., Jersey City, N. J.	.5
2AJR	Seckel, William	220 Wadsworth Ave., New York, N. Y.	.5
2AN	Sedlak, Conrad J.	633 Main St., New Durham, N. J.	.5
2ACM	Segall, Louis M.	1832 65th St., Brooklyn, N. Y.	.5
2AMC	Seller, Frank B.	54 Elm St., Summit, N. J.	.5
2ANK	Seitz, Wesley	7 Seitz Court, Patchogue, N. Y.	.5
2ANX	Shaw, Albert E., jr.	1060 72d St., Brooklyn, N. Y.	.5
2PZ	Shaw, Horace S.	391 St. Johns Pl., Brooklyn, N. Y.	.5
2ALM	Sheldon, Henry B.	26 Main St., Keyport, N. J.	.5
2AQY	Showalter, John W.	333 Birch St., Richmond Hill, N. Y.	.5
2CG	Shield, Frederic K.	23 Second Ave., Highland Park, N. J.	.5
2AOR	Shirvell, Ernest J. A.	32 Lawrence St., New York, N. Y.	.5
2OU	Shibert, Walter	1538 E. 15th St., Brooklyn, N. Y.	.5
2GV	Siegmann, Harry E.	36 Davis St., Rockville Center, N. Y.	1.0
2AGV	Sievering, Harry W.	54 Navin Pl., Newark, N. J.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
2AAD	Silleck, William C.	388 E. 144th St., New York, N. Y.	Kw. 0.5
2APD	Skinner, William	Ridgewood Ave. and Spruce St., Richmond Hill, N. Y.	.5
2BI	Slater, Harry	156 19th St., Brooklyn, N. Y.	.....
2AQI	Smejkal, Harry	1349 1st Ave., New York, N. Y.	.5
2AQU	Smith, F. Carter	572 W. 187th St., New York, N. Y.	.5
2JB	Smith, Clarence B., jr.	1017 South Ave., Westfield, N. J.	1.0
2AFX	Smith, Edward J.	327 E. 27th St., New York, N. Y.	.5
2KP	Smith, Edgar T.	185 Brooklyn Ave., Brooklyn, N. Y.	.5
2LK	Smith, J. Owne	Valley Stream, N. Y.	.5
2IV	Smith, Nelson M.	143 Norton Ave., Port Chester, N. Y.	.5
2JO	Smith, Nelson V.	Lawrence, N. Y.	1.0
2AEU	Smith, Ralph C.	129 N. 14th St., East Orange, N. J.	.5
2ABQ	Smith, Robert W.	152 Croton Ave., Ossining, N. Y.	.5
2AMF	Smith, William W.	207 Wegman Parkway, Jersey City, N. J.	.5
2KH	Solberg, Walter	620 46th St., Brooklyn, N. Y.	.5
2AQV	Sommer, Isidor	56 Columbia St., New York, N. Y.	.5
2GC	Sonn, Albert E.	150 2d Ave., Newark, N. J.	1.0
2RP	Sorgens, Walter M.	29 Odell St., Schenectady, N. Y.	1.0
2ARE	Southard, Sealey M.	32 Raynor St., Freeport, N. Y.	.5
	South Side High School Radio Club. See Hunkins, Carl J.		
2ALJ	Spader, William V.	103 1st Ave., Highland Park, N. J.	.5
2KZ	Spalding, Kenneth W.	501 Argyle Rd., Brooklyn, N. Y.	.5
2IM	Spangenberg, Lester	25 S. 4th St., Lakeview, N. J.	1.0
2WP	Spannaus, Charles O.	660 W. 180th St., New York, N. Y.	.5
2RF	Springer, C. Meredith	8 Ithaca St., Elmhurst, N. Y.	.5
2UY	Squire, Milford	122 Guion Ave., Richmond Hill, N. Y.	.5
2AOU	Stadler, Reuben L.	304 McNeal St., Millville, N. J.	.5
2APC	Stanard, John	1974 University Ave., New York, N. Y.	.5
2FS	Stanley, Howard L.	Babylon, N. Y.	.5
2AL	Stanley, Walter N.	654 Putnam Ave., Brooklyn, N. Y.	.5
2AKC	Stantley, Joseph J.	5 Hampton Court Ter., Jersey City, N. J.	.5
2AGS	Stanton, Walter A.	782-A Hancock St., Brooklyn, N. Y.	.5
2AEE	Starrett, John	440 McDonough St., Brooklyn, N. Y.	.5
2VW	Steinkamp, Harold	89 Hyatt Ave., Yonkers, N. Y.	.89
2AJN	Stenger, Harry C.	484 Onderdonk Ave., Brooklyn, N. Y.	.5
2AB	Sterns, Morton W.	705 W. 179th St., New York, N. Y.	1.0
2AFL	Stevens, Fred	15 Wood Pl., Yonkers, N. Y.	.5
2HS	Stewart, Douglass	90 N. Broadway, Yonkers, N. Y.	.5
2UZ	Stewart, G. Edwin	45 Hillside Ave., Rockview Center, N. Y.	.5
2AKA	Stewart, Guy A., jr.	404 S. 1st Ave., Mt. Vernon, N. Y.	.5
2ADA	Stimpson, Warren E.	1933 Daly Ave., New York, N. Y.	1.0
2AAC	Storrs, William K.	513 E. 144th St., New York, N. Y.	.5
2AJQ	Stratton, L. Brainerd	44 Seneca St., Onelida, N. Y.	.5
2AEV	Strauss, Maurice B.	568 5th St., Brooklyn, N. Y.	.5
2HR	Summerville, Christopher	4 Jones Pl., Yonkers, N. Y.	1.0
2AKI	Sypher, Edgar L., jr.	138 New York Ave., Jamaica, N. Y.	.5
2KO	Tamburino, Anthony	1632 Parker St., New York, N. Y.	.5
2AEL	Tannenbaum, Samuel	86 Warburton Ave., Yonkers, N. Y.	1.0
2GS	Taylor, George W.	171 Alden St., Orange, N. J.	.5
2AGH	Taylor, K. Allan	576 Madison Ave., Elizabeth, N. J.	.5
2IS	Teets, Albert S.	Hillside Ave., Peekskill, N. Y.	.5
2AMU	Tennon, Evans H.	705 1st Ave., Asbury Park, N. J.	.5
2ACZ	Terhune, Frank	167 High St., Passaic, N. J.	.5
2AHO	Thornhill, Sewell E.	Sayville, N. Y.	.5
2APA	Thornton, Joseph	922 Central Ave., Westfield, N. J.	.5
2EC	Thiede, Ferdinand C.	486 Decatur St., Brooklyn, N. Y.	.5
2PJ	Thomas, Alonzo E., jr.	176 A Union St., Jersey City, N. J.	.5
2AIW	Thompson, Harold	21 Rose St., Paterson, N. J.	.5
2AOP	Thomson, John M., jr.	22 Bloomfield Ave., Passaic, N. J.	.5
2ASI	Tirrell, Walter H.	20 Rutland Rd., Brooklyn, N. Y.	.5
2OR	Tong, Myron A.	148 Housman Ave., West Brighton, N. Y.	.5
2AEP	Tourof, Sigmund	1820 Topping Ave., New York, N. Y.	1.0
2AOD	Townley, Harold C.	505 Kimball Ave., Westfield, N. J.	1.0
2CF	Trallet, Frederick E.	20 Cottage Place, Yonkers, N. Y.	.5
2ALH	Trautwein, Charles F.	853 S. 12th St., Newark, N. J.	.5
2PT	Traver, William F.	67 Mott Ave., Far Rockaway, N. Y.	.5
2AAJ	Tripp, David R.	28 Close St., Schenectady, N. Y.	1.0
2AC	Tripp, George B., jr.	30 Edgecliff Ter., Yonkers, N. Y.	.5
2AOT	Trowbridge, Otis H.	1396 Park Lane, Pelham Manor, N. Y.	1.0
2ABN	Trube, Carl E.	6 Livingston Ave., Yonkers, N. Y.	.5
2AAU	Trube, Robert L.	Hastings-on-Hudson, N. Y.; 6 Livingston Ave., Yonkers, N. Y.	.5
2DZ	Tuna, Lawrence	182 Madison Ave., New York, N. Y.	.5
2AL'O	Tyler, Burnett	79 Winthrop St., Brooklyn, N. Y.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
2FG	Tymeson, Sidney.....	21 Henry St., Schenectady, N. Y.	0.5
2RM	Underhill, Chester R.....	47 Church St., Montclair, N. J.	.5
2AR	Underhill, George H.....	78 S. Hamilton St., Poughkeepsie, N. Y.	.2
2HD	Underwood, Kenneth C.....	259 Mt. Prospect Ave., Newark, N. J.	.5
2OT	Urban, Ferdinand A.....	1189 44th St., Brooklyn, N. Y.	.5
2APL	Urban, Charles B.....	113 Washington St., Westfield, N. J.	.5
2AM1	Van Cleef, Howard.....	326 E. Main St., Patchogue, N. Y.	.5
2UU	Vanderbilt, Clinton B.....	5 Jerome Pl., Upper Montclair, N. J.	.5
2APW	Vanderbilt, Harold W.....	205 Park Pl., Brooklyn, N. Y.	.5
2ALD	Van Doren, Harold I.....	120 Union Ave., Westfield, N. J.	1.0
2CP	Van Duzer, Charles P.....	172 Fisk Ave., Westerleigh, N. Y.	.5
2AMB	Van Dyke, Theodore F., jr.....	246 Morris Ave., Summit, N. J.	.5
2ALT	Van Loan, Harold H.....	Athens, N. Y.	.5
2ABK	Van Meerbeke, C. J., jr.....	Hazlet, N. J.	.5
2KV	Varetoni, Wm.....	115 Randolph Ave., Clifton, N. J.	.5
2RZ	Veneman, Peter.....	36 Watson St., Paterson, N. J.	.5
2ACA	Viering, Harry F.....	98 Abbott Ave., Ocean Grove, N. J.	.5
2ADX	Vogel, Erwin W.....	61 S. Blvd., New York, N. Y.	.5
2FB	Volke, Edgar.....	883 S. 19th St., Newark, N. J.	.5
2ACR	Von Thun, Henry B.....	461 Jefferson Ave., Brooklyn, N. Y.	.5
2AMT	Voepel, Daniel, jr.....	1162 Forest Ave., New York, N. Y.	.5
2AMP	Von Ardyn, John.....	125 Riverside Drive, New York, N. Y.	.5
2AMQ	von Frankendorff, Leander.....	403 S. 7th St., Newark, N. J.	.5
2ADO	Vrooman, Max M.....	1204 State St., Schenectady, N. Y.	.5
2OQ	Wade, J. Melmoth.....	83 Hamilton Ave., Yonkers, N. Y.	.5
2AAF	Waelde, William E.....	424 Church St., Poughkeepsie, N. Y.	.5
2AJU	Wagerer, Lewis G.....	122 Boulevard, Rockaway Beach, N. Y.	.5
2AQ	Wak, Henry.....	82 17th Ave., Newark, N. J.	.5
2ANR	Walcutt, Frank.....	841 W. 179th St., New York, N. Y.	.5
2ABU	Walton, Fred E.....	61 Raymond Ave., Rutherford, N. J.	.5
2QP	Ward, John R.....	160 Garfield Pl., Brooklyn, N. Y.	.5
2DN	Warner, Herbert M.....	Little Falls, N. J.	.5
2AKT	Warner, Stanley F.....	221 S. Clinton St., East Orange, N. J.	.5
2AKW	Warren, W. Harold.....	605 Munroe Ave., Asbury Park, N. J.	.5
2AGW	Watson, Edmund A.....	78 Van Ness Ave., Rutherford, N. J.	1.0
2AHM	Watters, John J.....	Port Richmond, N. Y.	1.0
2AMD	Weatherbee, W. T.....	Millington, N. J.	.5
2MQ	Weber, Ernest A.....	202 Spruce St., Richmond Hill, N. Y.	.5
2ABL	Weigand, Daniel.....	Hazlet, N. J.	.5
2AJK	Weiss, Benjamin.....	96 Watkins St., Brooklyn, N. Y.	.5
2FH	Weiss, Jacob.....	5 Adams St., Port Washington, N. Y.	1.0
2IJ	Weller, William W.....	982 Linton Ave., New York, N. Y.	.5
2CA	Werner, George J.....	728 W. 181st St., New York, N. Y.	.5
2FM	West, Gilmore O.....	59 6th Ave., Long Branch, N. J.	.5
2AHE	West, Russell H.....	44 South St., Newark, N. J.	.5
2AIJ	White, Clinton R.....	484 Clinton Ave., Brooklyn, N. Y.	1.0
2TJ	White, Howard E.....	1125 Madison Ave., New York, N. Y.	.5
2AON	Whitehead, Ralph R., jr.....	Woodstock, N. Y.	.5
2AMX	Whittleton, Harry M.....	Palisades Park, N. J.	.5
2AFS	Wiendieck, Elmer C.....	Merrick, N. Y.	.5
2WQ	Willetts, Gilson V.....	92 Hamilton Ave., Yonkers, N. Y.	.5
2AJI	Willey, R. T.....	1460 Bedford Ave., Brooklyn, N. Y.	.5
2DR	Williams, Arthur D.....	73 S. Arlington Ave., East Orange, N. J.	.5
2API	Williams E. Harvey.....	547 Clifton Ave., Newark, N. J.	.5
2AGN	Williams, E. Malcolm.....	Troy High School, Troy, N. Y.	1.0
2EH	Wilmott, George B.....	1138 E. 37th St., Brooklyn, N. Y.	.5
2GN	Wilson, John A., jr.....	Tenally, N. J.	1.0
2QI	Wimpfheimer, Gustave R.....	1056 Hoe Ave., New York, N. Y.	.5
2DA	Winn, Arthur H.....	325 Church St., Poughkeepsie, N. Y.	1.0
2FP	Woerner, Charles A.....	247 Union St., Jersey City, N. J.	.5
2IZ	Wohl, William M.....	763 E. 152d St., New York, N. Y.	.5
2AJA	Wood, Charles.....	274 W. 135th St., New York, N. Y.	.5
2APT	Woodman, Malcolm W.....	New York University, New York, N. Y.	.5
2LZ	Woodrow, William.....	224 W. 140th St., New York, N. Y.	1.0
2AKF	Woodruff, Gordon B.....	459 Grove St., Westfield, N. J.	.5
2BV	Woodward, Reginald.....	84 Amherst St., East Orange, N. J.	.5
2ABC	Woodcott, James V.....	40 Edgewood Lane, Palisade, N. J.	1.0
2AFP	Woolley, Harrison.....	569 W. 173d St., New York, N. Y.	.5
2IW	Worth, John B.....	Cresshill, N. J.	1.0
2AES	Wright, Henry O.....	115 Mountain Ave., Westfield, N. J.	.5
2BE	Yerbury, George S., jr.....	21 Irving Place, Passaic, N. J.	.5
2HZ	Yonmans, Chester.....	5 Old Road, Bayonne, N. J.	.5
2AKY	Young Men's Christian Ass'n.....	Asbury Park, N. J.	1.0
2AEG	Ziegler, Edward F.....	705 Woodbine St., Brooklyn, N. Y.	.5
2CM	Zimmerman, Herman, jr.....	2590 3d Ave., New York, N. Y.	.5
2AGU	Zimmerman, William.....	765 Hunterdon St., Newark, N. J.	1.0
2DB	Zucker, Richard D.....	45 Clinton Place, Mt. Vernon, N. Y.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2AA	Adams, Everett L.	2AGW	Watson, E. A.	2AKA	Stewart, Guy A., jr.
2AAC	Storrs, William.	2AGX	Davies, R. J., jr.	2AKB	Roberts, Hugh V.
2AAD	Silleck, William C.	2AGZ	King, Frank.	2AKC	Stantley, J. T.
2AAF	Weseld, W. E.	2AH	Roche, Walter J.	2AKD	Nichols, R. W.
2AAJ	Tripp, David R.	2AHA	Benzing, H. A.	2AKE	Cater, Raymond.
2AAK	Cockaday, Lawrence M.	2AHC	Amy, E. V.	2AKF	Woodruff, G. B.
2AAM	Lang, Ernest.	2AHD	Klopak, J.	2AKG	Olson, George I.
2AAO	Maguire, Howard S.	2AHE	West, R. H.	2AKH	Robinson, C. S.
2AAP	Kollock, A. W.	2AHG	Mersfelder, J. H., jr.	2AKI	Sypher, E. L., jr.
2AAQ	Judson, Joseph E.	2AHH	Rossner, James E.	2AKJ	Caulfield, J. V.
2AB	Sterns, Morton W.	2AHI	Comes, William J.	2AKK	Maurer, Edward.
2AAS	Brick, Frank K., jr.	2AHK	Bocchio, Raymond.	2AKL	Maran, J. F.
2AAU	Trube, Robert L.	2AHL	May, Anthony.	2AKM	Hanson, Geo. V.
2AAZ	Pennell, Vere F.	2AHM	Watters, J. J.	2AKN	Eddy, John L., jr.
2ABC	Woolcott, James V.	2AHN	Marshall, Leonard H.	2AKO	Burns, Raymond N.
2ABD	Blims, Charles A.	2AHO	Thomhill, S. E.	2AKP	Lockard, J. F.
2ABH	Kavanagh, John.	2AHP	Noble, J. Kendrick.	2AKR	Leighton, Leo.
2ABN	Trube, Carl E.	2AHQ	Reyle, Stanley.	2AKT	Warner, Stanley F.
2ABO	Dodd, H. H.	2AHR	Byrne, William.	2AKU	Honeywell, Robert.
2ABR	Lorini, Osmun W.	2AHS	Bergner, James.	2AKV	Herbert, Norman.
2ABT	Hulse, L. M.	2AHT	Ruppert, Stephen E.	2AKW	Warren, W. Harold.
2ABV	Pulsifer, Frederic K., jr.	2AHU	Littlefield, Charles E.	2AKX	Schwarz, Sylvan L.
2ABW	Olsen, Arthur C.	2AHY	Everingham, Charles E.	2AKY	Y. M. C. A.
2AC	Tripp, George B., jr.	2AHZ	Elchfield, Nicholas.	2AKZ	Anderson, Lansdell.
2ACJ	de Calahorra, A. S.	2AI	Eber, J. G.	2AL	Stanley, W. N.
2ACL	Pohiman, L. V.	2AIA	Draper, George B.	2ALA	Francis, Sylvian.
2ACR	Von Thun, Henry B.	2AIC	Plaltz, Orlando R.	2ALB	Gratzner, Raymond.
2ACS	Maler, John C.	2AID	Butler, R. M.	2ALC	Merrihew, John E., jr.
2ACU	Richardson, John R.	2AIE	Scholz, Frank A.	2ALD	Van Doren, Harold.
2ACV	Dunham, John S.	2AIF	Betts, Philander H.	2ALE	Fingering, Harold J.
2ACZ	Terhune, Frank.	2AIG	Hevener, Osborn F.	2ALF	Manchee, Alleyene W.
2AD	Dammers, Albert.	2AII	Brewster, Carlton.	2ALG	Augen, John.
2ADC	Humphrey, F. F.	2AIJ	White, Clinton R.	2AII	Trautwein, Charles F.
2ADE	Eckler, H. D.	2AIK	Leek, Nathaniel L.	2ALJ	Dunham, Nelson.
2ADI	Mitchell, Clifford E.	2AIL	Mulcahy, Frank.	2ALK	Spader, William V.
2ADL	Hunkins, Carl J.	2AIM	Glefer, Frank H.	2ALL	Capillon, Edward A.
2ADN	Guttman, Bernard.	2AIN	Ostrewich, Thaddeus.	2ALM	Dinger, William E.
2ADP	Davis, Clarence F.	2AIO	Pieri, Donald.	2ALN	Sheldon, Henry B.
2ADU	Jobson, I. D.	2AIP	Harper, Augustus E.	2ALO	Mason, Percy H.
2ADX	Vogel, E. W.	2AIQ	Fink, Gustave.	2ALP	Huff, Frederick W.
2AE	Happe, W. H.	2AIR	Estberg, Hugo.	2ALQ	Hulse, Tremaine.
2AEB	Tompkins, G. F.	2AIS	Dawson, Fred.	2ALR	Mulvaney, Thomas.
2AED	Rappolt, F. A.	2AIT	Gluck, John.	2ALS	Kells, David G.
2AEF	Abrams, M. F.	2AIU	Scull, Walter.	2ALT	Oetjen, John J.
2AEG	Ziegler, Edward F.	2AIV	Miller, George.	2ALS	Van Loan, Harold H.
2AEH	Edwards, J. B.	2AIW	Thompson, Harold.	2ALU	Peiler, Harold.
2AEI	Reynolds, A. S.	2AIX	Ballentine, Harold E.	2ALV	Atkinson, Benjamin.
2AEJ	Peffitt, M. S.	2AIY	Johnson, John A.	2ALW	Benson, Warren S.
2AEN	Sorten, H.	2AIZ	Poling, Russell H.	2ALX	Hobson, Christopher E.
2AER	Crinion, E. T. J.	2AJ	Buttner, Edwin T.	2AMA	Ackerman, Rudolph W.
2AES	Wright, H. O.	2AJA	Wood, Charles.	2AMB	VanDyke, Theodore F.
2AEW	Layh, William.	2AJB	Knies, Emil U.	2AMC	Seiler, Frank.
2AF	Bryant, M. V.	2AJC	Carr, John.	2AMD	Weatherbie, W. T.
2AFA	Bodkin, Laurence G.	2AJD	Redfern, William W.	2AME	Frank, Richard.
2AFE	Dix, Harold S.	2AJE	Rowley, Herbert G.	2AMF	Smith, William W.
2AFH	Schaefer, Adolph.	2AJF	Broome, Frank H.	2AMG	Jaques, Channing K.
2AFM	Holmes, George.	2AJG	DeVizio, Joseph.	2AMH	Bettels, Edward T.
2AFR	Lehman, E. W. G.	2AJH	Reed, Cecil J.	2AMI	Brush, George.
2AFU	Goll, Robert E.	2AJI	Willey, R. T.	2AMJ	Ruddy, George E.
2AFW	Hornung, J. L.	2AJK	Weiss, Benjamin.	2AMK	Allan, William F.
2AFY	Muller, H. W.	2AJL	Kalning, W. C.	2AML	Mueller, Carl F., jr.
2AG	Mulford, H. C.	2AJM	Requa, Reginald C.	2AMM	Hubbey, Russel S.
2AGA	Bilsky, Walter.	2AJN	Stenger, H. C.	2AMN	Hart, Phillip.
2AGC	Lindgren, Richard N.	2AJO	McKenna, John K.	2AMO	Hells, Walter.
2AGG	Mayer, Warren J.	2AJP	Grammet, Melvin L.	2AMP	Ardyn, John V.
2AGH	Taylor, Kimber A.	2AJQ	Stratton, Brainerd.	2AMQ	Frankendorf, Leonard V.
2AGJ	Hewitt, John K.	2AJR	Seckel, William.	2AMR	Avery, John.
2AGM	Buttner, Edwin.	2AJT	Reilly, Hugh.	2AMS	Hunter, John W.
2AGN	Norris, Robert P.	2AJU	Wagerer, Lewis G.	2AMT	Voepel, Daniel, jr.
2AGO	Rosenberg, Uda B.	2AJV	Cronin, William.	2AMU	Tennon, E vans H.
2AGT	Schleckser, Raymond R.	2AJW	Schmelzer, Gerhard.	2AMV	Adolph, Herbert.
2AGU	Zimmerman, William.	2AJX	Dederick, Harry C.	2AMW	Coon, George.
2AGV	Sievering, H. W.	2AJY	Goldstein, Jack.		
		2AJZ	Rice, Robert.		
		2AK	Hunkins, C. J.		

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2AMX	Whittleton, Harry M.	2APV	Hymmen, Robert.	2AU	Schram, John, jr.
2AMY	Gell, Henry.	2APW	Vanderbilt, Harold W.	2AV	Y. M. C. A., Eastern Dist.
2AMZ	Roehrich, Henry.	2APX	Baker, A. L.	2AW	Melville, Richard T.
2AN	Sedlak, C. J.	2APY	Charleton, F. E.	2AZ	Pearl, E. S.
2ANA	Lindheimer, Carl M.	2APZ	Freeman, Robert J.	2BA	Ash, Harry M., jr.
2ANB	Leo, Nelson.	2AQ	Wak, Henry.	2BB	Lounsbury, Isaac.
2ANC	Guy, R. F.	2AQA	Drury, Frank.	2BC	Harratts, J. B.
2AND	Klune, Fred C., jr.	2AQB	Jacquet, Lloyd.	2BD	Banta, T. C.
2ANE	McLean, True.	2AQC	Gardner, Wm. E.	2BE	Verbury, G. S.
2ANF	Fish, Edward H.	2AQQ	Scott, W. F.	2BG	Gaede, G. F.
2ANG	Kirchhoff, W. J.	2AQH	Palmer, Thomas.	2BI	Slater, Harry.
2ANH	Raufer, Frank J.	2AQI	Smejkal, Harry.	2BJ	Dahms, Herbert.
2ANI	Heinzman, Milton.	2AQJ	Clarkin, William.	2BL	Lambert, F. E.
2ANJ	Hoff, R. S.	2AQL	Love, J. H.	2BM	Ileerance, E.
2ANK	Seltz, Wesley.	2AQM	Broax, I.	2BO	McIntire, M. A.
2ANL	Adams, C. B.	2AQO	Alexander, B. H.	2BQ	Guild, Baldwin.
2ANM	Foot, N. B.	2AQP	Bargebuhr, H. M.	2BR	Krech, Karl G.
2ANO	Nelson, Irving J.	2AQQ	Hoffman, Frank.	2BS	Asche, Charles F.
2ANP	Valentine, Russel D.	2AQR	Grover, Paul B.	2BT	Adams, E. F.
2ANQ	Crowe, H. A.	2AQS	Bohman, Albert.	2BU	Olson, Oscar A.
2ANR	Walcutt, Frank.	2AQT	Ferris, C. S.	2BV	Woodward, Reginald.
2ANS	Koyen, W. R.	2AQU	Smith, E. C.	2BW	Hymes, E.
2ANT	Brown, Mortimer.	2AQV	Sommer, J.	2BY	McHugh, John A.
2ANU	Midgley, Herbert.	2AQW	Frankenstein, E. S.	2BZ	Lyman, C. G.
2ANV	Hirschfeld, Edward.	2AQX	Bement, F.	2CA	Werner, G. J.
2ANW	Schaefer, Maximilian.	2AQY	Showalter, J. W.	2CB	Leeb, Henry L.
2ANX	Shaw, A. E., jr.	2AQZ	Hull, N. C.	2CD	Robbins, W. E., jr.
2ANY	Felt, G. G.	2AR	Underhill, George H.	2CE	Dain, John W.
2ANZ	Johnson, R. H.	2ARA	Balison, Howard.	2CF	Traefel, F. E.
2AO	Jones, R. O.	2ARB	Plauth, William.	2CG	Shield, Frederic K.
2AOA	Mase, F. K.	2ARC	Ferguson, G. M.	2CI	Guarino, John J.
2AOB	Macsond, M. E.	2ARD	Oechler, Alfred C.	2CJ	Bathgate, W. E.
2AOC	Cherry, G. S.	2ARE	Southard, Sealey M.	2CK	O'Brien, T.
2OOD	Townley, H. C.	2ARF	Allen, James J.	2CL	Brooklyn Telegraph School.
2AOE	Larsen, Rudolph.	2ARG	Bona, Edward.	2CM	Zimmerman, Herman.
2AOF	Adams, J. D.	2ARH	Randell, Edward J.	2CN	Dickey, E. T.
2AOG	Richter, Robert.	2ARI	Pawley, Myron G.	2CO	Beechel, G. H. J.
2AOH	Kleppe, Arthur.	2ARJ	Leiter, David.	2CP	Van Duzen, Charles P.
2AOI	Muller, H. G.	2ARK	McCoy, Lester.	2CQ	Hampe, Bernard A.
2AOJ	Leathe, W. W.	2ARL	Perry, J. D.	2CR	Blauvelt, W. M.
2AOK	Class, Charles L.	2ARM	Dimmick, E. R.	2CS	Schaefer, C. L.
2AOL	Horn, Charles W.	2ARN	Bremer, F. V.	2CU	Robbins, Walter G.
2AOM	Manning, Conant.	2ARO	Rau, James F.	2CV	Ritter, Alexander.
2AON	Whitehead, R. R., jr.	2ARP	Campbell, George C.	2CW	Ham, Frank M.
2AOO	Erven, R. P.	2ARQ	Müller, Raymond.	2CX	Davidson, W. H., jr.
2AOP	Thomson, J. M., jr.	2ARR	Cohen, Monte.	2CY	Ferris, Malcolm.
2AOQ	Royer, L. E.	2ARS	Grece, Joseph F.	2CZ	Becker, Frank.
2AOR	Shirvell, E. J. A.	2ART	Hammond, George P.	2DA	Winn, A. H.
2AOT	Throwbridge, O. H.	2ARU	Machlett, Raymond R.	2DB	Zucker, R. D.
2AOU	Stadler, Reuben L.	2ARV	Appell, Daniel T.	2DC	Maier, Frank.
2AOY	Davidson, Arthur.	2ARW	Jockers, Edwin B.	2DD	Hammond, T. M.
2AOZ	Schlitz, Karl W.	2ARX	Dickinson, Edwin A.	2DE	Ruttman, F.
2AP	Benson, Edwin.	2ARY	Berger, George P.	2DF	Hoyt, William L.
2APA	Thornton, Jas.	2ARZ	Erickson, E. T.	2DG	Higgs, H. Y.
2APB	Obert, J. Edwin.	2AS	De Yoe, W. L.	2DH	Knapp, Samuel.
2APC	Stanard, John.	2ASA	Genodette, Honore.	2DK	Maguire, Nelson.
2APD	Skinner, William.	2ASB	Houseworth, Charles W.	2DL	Bangert, Valentine F.
2APE	Averill, William H.	2ASC	Hauger, Oscar.	2DM	Sachs, II.
2APF	Woolley, H.	2ASD	Gehret, Ernest G.	2DN	Warner, Herbert M.
2APG	Hegmegee, J. O. L.	2ASE	Johnson, Axel W.	2DO	Guldi, Walter E.
2APH	Kalbach, C.	2ASF	Sohnle, Fred.	2DP	Crocker, Frank H.
2API	Williams, E. H.	2ASG	MacBride, William D.	2DQ	Porter, Roland.
2APJ	Lauterborn, G. E.	2ASH	Geoghagen, T. V.	2DR	Williams, A. D.
2APK	Scheldler, H. D.	2ASI	Tirrell, Walter H.	2DS	Clark, Le Roy.
2APL	Urban, C. B.	2ASJ	Schroeder, Henry.	2DV	Kissick, R. G.
2APM	Purvis, H.	2ASK	Schwartz, Adolph.	2DZ	Tuna, Lawrence.
2APN	Hausroth, A. H., jr.	2ASL	Thurston, George.	2EA	Doty, W. P.
2APO	Tyler, B.	2ASM	Borduain, David.	2EC	Thiede, F. C.
2APP	Prinz, P. J.	2ASN	Koegel, Carl J.		
2APQ	Knight, H. E. H.	2ASO	Engstrom, Joseph E.		
2APR	Carpenter, S. C.	2ASP	Ruben, Samuel.		
2APS	Wiendieck, F. C.				
2APT	Woodman, M. W.				
2APU	Krantz, H. K.				

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2ED	Lowe, Graham V.	2ID	Miller, John W., jr.	2LZ	Woodrow, W.
2EG	Arany, Egmont.	2IE	Lemmon, W. S.	2MA	Hasbrouck, Earl.
2EI	Quick, H. C.	2IF	Miller, Eugene B.	2MC	Garity, William E.
2EJ	Bechloft, C. B.	2IH	Hiller, Harry E.	2ME	Booth, Sherman F.
2EK	Hoernol, Paul.	2II	Howell, W. J.	2MF	Hoppock, A. H.
2EN	Halligan, James W.	2IJ	Waller, W.	2MH	Buchanan, W. F.
2EP	Engelhart, L. W.	2IK	Jensen, Martin.	2MI	Morris, E. S.
2ES	Campbell, R., jr.	2IL	McClintock, G. C.	2ML	Donovan, E. T.
2ET	England, G. B.	2IM	Spangenberg, L.	2MN	Betts, Philander C.
2EU	Droste, G. T.	2IN	Scofield, R. W.	2MQ	Weber, E. A.
2EV	Hajos, Eugene.	2IO	Patton, Norman F.	2MR	Atwater, F. G., jr.
2EX	Jackson, B. B.	2IP	Ashmal, W. E., jr.	2MS	Berri, Herbert.
2EY	McKinney, F. J.	2IB	Teets, Albert S.	2MT	Moses, Abram W.
2EZ	Donohue, Peter J.	2IT	Cowper, Norman.	2MV	Bell, A. E.
2FA	Pfeifer, C. H.	2IV	Smith, Nelson M.	2MX	La Gallez, Clayton B.
2FB	Voeke, Edgar.	2IW	Worth, J. B.	2MY	Cohen, Edwin K.
2FC	Dex, Martin, jr.	2IY	Dugan, E. W.	2MZ	Ferguson, James B., jr.
2FF	Brower, H. S.	2IZ	Wohl, William M.		
2FH	Wells, Jacob.			2NA	Dawley, Earle Reed.
2FI	Helwig, H. F.	2JA	Caruthers, David.	2NC	Katz, Frederick.
2FK	Freure, Richard W.	2JB	Smith, Clarence B., jr.	2ND	Schweser, Charles L.
2FM	West, G. D.	2JC	Connors, James.	2NF	Homan, E. J.
2FN	Roth, August F.	2JD	Boeder, Arthur R.	2NI	Moles, C. E.
2FO	Blanchard, Wesley S.	2JE	Lockwood, Nelson W.	2NJ	Kennedy, Harold J.
2FP	Woerner, C. A.	2JH	Fricke, William B.	2NK	Falm, J. A.
2FQ	Connor, H. G.	2JI	Ruhlman, Ernest R.	2NL	Bucknam, John R.
2FR	Ettlinger, Albert.	2JN	Atwater, Charles K.	2NN	Nightingale, John.
2FS	Stanley, H. L.	2JO	Smith, N. V.	2NO	Merritt, Frank.
2FT	Murray, William E.	2JP	Frudan, Harold M.	2NP	Koenig, George F.
2FU	Brooks, L. V.	2JR	Bruce, Edmond.	2NQ	Isaacson, Charles B.
2FV	Foster, D. E.	2JS	Larkin, James S.	2NR	Heuer, William H.
2FX	Gidney, Ray V.	2JT	Dennis, F. T.	2NS	Hoffman, Paul J.
2FZ	Harris, C. C.	2JU	Goette, C. J.	2NU	Hill, William S.
		2JV	Reich, Herbert.	2NV	Meder, George C.
		2JX	De Cartin, G. A.	2NW	Austrian, Ralph B.
2GB	Bartlett, B. W.			2NY	N. Y. School of Telegraphy.
2GC	Sonn, A. E.	2KA	Coote, C. W.	2NZ	Pfeil, A. L.
2GF	Brockman, F. C.	2KB	Schabbhear, Edwin A.		
2GG	Dahlgren, B.	2KC	Hayes, Frank.	20A	Hammond, Lester.
2GH	Hardy, Myles.	2KD	Browne, W. S.	20C	Erasmus Hall High School.
2GI	Murphy, Dennis.	2KE	Maloney, J. T.	20E	Raynor, Sinclair L.
2GJ	Cronmeyer, E. C.	2KF	Nolan, George T.	20F	Meler, Robert A.
2GK	Pate, W. Schuyler.	2KG	Layng, G.	20J	Horning, Robert H.
2GL	Ashley, George.	2KH	Solberg, W.	20M	O'Mara, Edward F.
2GM	Moss, Sidney W.	2KI	Uphof, L. S.	20Q	Wade, Melmoth.
2GN	Wilson, John A., jr.	2KJ	Cummings, Frank X.	20R	Tong, Myron A.
2GO	Mulligan, Harry G.	2KK	Day, H. B.	20X	Mardon, Frederick H.
2GP	McClintock, Ralph W.	2KL	Gregory, A. V.		
2GQ	Manning, Charles T.	2KM	Francis, Charles E.	2PC	Barriette, Samuel L.
2GR	Gardell, Emil C.	2KN	Collison, Percy B.	2PG	Eckstein, William J.
2GS	Taylor, George W.	2KO	Tambupino, Anthony.	2PH	Fendleton, A. F.
2GU	New York Catholic Protectorsy.	2KP	Smith, Edgar T.		
2GV	Stegmann, Harry E.	2KQ	Schaefer, R. C.	2PJ	Thomas, Alonzo E., jr.
2GY	Dietz, Walter.	2KR	Hallenbeck, Charles.	2PM	Farson, A. D.
		2KS	Morton, Edward M.	2PN	Berger, Henry C.
2HA	McCoy, Daniel.	2KT	Robertson, M. E.	2PQ	Schwartz, Max B.
2HD	Underwood, R. C.	2KU	Oehmen, O.	2PS	Cohen, Samuel.
2HE	Rock, Le Roy W.	2KV	Varetoni, William.	2PU	Lally, Joseph.
2HF	Coate, C. W.	2KW	Plummer, J. A.	2PW	Hellman, Abraham E.
2HI	Schuck, Charles H.	2KX	Kilmer, T. W.	2PX	Hamilton, A. G.
2HJ	Muller, J. A., jr.	2KY	Goodechild Electrical Co.	2PY	Bogardus, Henry L.
2HKL	Huyler, Rollin M.			2QB	Blackford, H. W.
2HM	McKee, Clarence A.	2KZ	Spalding, K. W.	2QD	King, Wendell W.
2HO	Lyons, W. B.			2QG	Gale, Rowland A.
2HP	Mayhew, B. A., jr.	2LC	Roberts, A. P.	2QI	Wimpfelmeyer, G. R.
2HR	Summerville, Chris.	2LE	Egolf, R. E.	2QJ	Eckley, H. J.
2HS	Stewart, Douglas.	2LH	Sayres, Ralph A.	2QK	Ward, John R.
2HT	Duting, Alan C.	2LI	Meachman, F. C., jr.	2QL	Green, Irving W.
2HU	Hotchkiss, G.	2LJ	Hoagland, Raymond.	2QM	Robertson, W. L.
2HV	Collignon, Francis A.	2LK	Smith, J. O.	2QU	Osborne, J. Spencer.
2HW	Combes, Rae.	2LL	Benedict, A. R.		
2HX	Lane, D. M.	2LN	Morrison, C. P.	2RB	Reuman, William H.
2HY	Muckenhaupt, C. F.	2LP	Green, Ray J.	2RF	Springer, Charles M.
2HZ	Younmans, Chester.	2LS	Jablonsky, William.	2RH	Reiss, Lester.
		2LW	Breen, Thomas J.		
2IB	Feeney, Walter.	2LY	Hoover, R.		
2IC	Farson, A. J.				

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2RJ	Porter, Charles A.	2TP	Bohn, William C.	2VM	Brown, P. T.
2RL	Camp, Victor F.	2TQ	Adams, William.	2VQ	Agnoli, Justus.
2RP	Borgicus, Walter M.	2TV	Glenn, George.	2VW	Steinkamp, H.
2RR	Haighs, Russell P.	2TY	Lane, George.		
2RV	Johnson, W. E.	2TZ	Collins, F. J.	2WA	Keers, John K.
2RW	Bailey, H. W.			2WB	Fogetti, H. J.
2RX	Picken, James C., jr.	2UF	Evans, A. F.	2WC	Pollak, J. M.
		2UG	Bondeaux & Knights.	2WE	Haydon, Albert R.
2SB	Sangree, Ernest M.	2UO	Hever, B. W.	2WF	Nolan, T. J.
2SF	Kollock, A. S.	2UQ	Hallett, E. D.	2WG	Leskie, H. A.
2SO	May, Fred.	2UR	Arany, Leo.	2WH	Pearsall, A. R.
2SK	Murray, Charles.	2UV	Oliver, George E.	2WI	Anderson, R. W.
2SM	Hatry, William B.	2UY	Squire, Milford.	2WK	Caggiano, C. J.
2SP	Bielefens, Gerhardt.	2UZ	Stewart, G. E.	2WL	Ryan, L. F.
2SQ	Kredit, B. A.			2WM	Fowler, J. B.
2ST	Emanuel, John H.	2VC	Johnson, T., jr.	2WN	Betler, W. A. G.
		2VE	Robertson, Gus.	2WP	Spannaus, C.
2TB	Ford, Everett J.	2VI	Loub, A. F.	2WT	Poole, William C.
2TE	de Forest, E. L., jr.	2VK	Cobert, James D.	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.
			<i>Kw.</i>
3PC	Abbott, E. H. B.	417 Landis Ave., Vineland, N. J.	0.5
3AMK	Abdill, George S.	125 E. Union St., Burlington, N. J.	.5
3QK	Adams, Leslie H.	828 Landis Ave., Vineland, N. J.	1.0
3CA	Adelberger, Adrian J.	Wayne, Pa.	1.0
3ET	Alber, Robert C.	5018 Irving St., Philadelphia, Pa.	1.0
3WJ	Alden, John H.	124 Bryant St. NW., Washington, D. C.	.5
3BM	Allen, George Y.	Bernardsville, N. J.	.5
3PE	Allen, John P.	2032 N. Capitol St., Washington, D. C.	.5
3VH	Anconia, Frederick B.	1579 Mineral Spring Rd., Reading, Pa.	.5
3QD	Andersen, Frederick J.	735 Lincoln St., Reading, Pa.	.05
3BR	Anderson, John A.	612 Cherry St., Camden, N. J.	.5
3LJ	Anderson, Joseph L.	Texas, Md.	.5
3KR	Anderson, Richard J.	2510 26th St., North Wildwood, N. J.	.5
3TQ	Andrews, Edward C.	22d and Morris Sts., Philadelphia, Pa.	.5
3JF	Apfelbaum, Martin	2711 Girard Ave., Philadelphia, Pa.	.5
3VG	Applegate, Franklin and Macpherson.	34 Hillcrest Ave., Trenton, N. J.	.5
3AX	Arner, Oscar Q.	56 V St. NW., Washington, D. C.	.5
3AA	Ashmore, John W.	3408 Hamilton St., Philadelphia, Pa.	.5
3CN	Ashton, Leon W.	106 Washington Ave., Collingswood, N. J.	.5
3AIB	Atkinson, T. Howard	423 E. State St., Trenton, N. J.	.5
3QN	Atlee, Charles B.	100 Linden Ave., Riverton, N. J.	.5
3PI	Atlee, Franklin	2039 Pine St., Philadelphia, Pa.	.5
3JC	Ault, Arthur K.	1152 Columbia Ave., Baltimore, Md.	.5
3GC	Bach, Earl C.	928 N. 4th St., Allentown, Pa.	.5
3AFI	Backe, Louis M., jr.	17 Maxham St., Sea Isle City, N. J.	.5
3GZ	Backe, Louis M., jr.	1211 Ridge Ave., Philadelphia, Pa.	.5
3MA	Bacon, Harry E.	1527 Girard Ave., Philadelphia, Pa.	.5
3CK	Baer, Francis M.	1744 Corcoran St. NW., Washington, D. C.	.5
3DD	Baily, William J., jr.	5218 Spruce St., Philadelphia, Pa.	.5
3MU	Baily, William J., jr.	5417 Addison St., Philadelphia, Pa.	.5
3CS	Baker, Harold Z.	134 N. Church St., Waynesboro, Pa.	1.0
3AMN	Bakley, Frank W.	300 9th St., Ocean City, N. J.	.5
3PL	Ballentine, Charles S.	4810 Germantown Ave., Philadelphia, Pa.	.5
3AKP	Bargelt, R. L.	Woodstock, Va.	.5
3AGF	Barkley, Joseph A.	2313 W. 17th St., Wilmington, Del.	1.0
3SW	Barnard, Julian W.	Bryn Mawr, Pa.	1.0
3MS	Barnhart, Lawrence W.	1637 N. 6th St., Harrisburg, Pa.	.5
3KN	Barr, Richard H.	602 W. Chestnut St., Lancaster, Pa.	1.0
3RZ	Barrett, Montague W.	222 Dartmouth St., Norfolk, Va.	.6

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
38Y	Barretta, Valroy S.	Vineland, N. J.	Kc. 0.5
30X	Barrington, Roger W.	608 Park Ave., Fansauken, N. J.	.5
30J	Barron, John H., jr.	3022 Abell Ave., Baltimore, Md.	.5
3AKG	Basford, Robert F.	112 W. 17th St., Wildwood, N. J.	.5
3WY	Basford, Robert F.	5308 Haverford Ave., Philadelphia, Pa.	.5
3AJ	Bausman, George H.	1246 N. Broadway, Baltimore, Md.	.5
3ASK	Baxley, C. Herbert	1126 W. North Ave., Baltimore, Md.	.5
3QT	Bayard, Arnold	Woodbine, N. J.	1.0
3ATI	Bayne, C. Armistead	914 Moran Ave., Norfolk, Va.	1.0
3VM	Baynes, Ralph J.	812 Vandever Ave., Wilmington, Del.	1.0
3BL	Beach, Harry L.	3711 M St. NW., Washington, D. C.	.5
3ARW	Beaston, Frank, jr.	3732 Locust St., Philadelphia, Pa.	.5
3AIR	Beaumont, Robert H.	7432 Devon St., Philadelphia, Pa.	.5
3WS	Beaumont, Robert H.	Atlantic City, N. J.	1.0
3AAV	Bechler, William C., jr.	1443 S. 3d St., Philadelphia, Pa.	.5
3ARF	Beck, Page M.	300 Minor St., Richmond, Va.	.5
3AGI	Beck, Rodney M.	4833 Pulaski Ave., Philadelphia, Pa.	.5
3WV	Becker, Frank F.	2118 N. 5th St., Philadelphia, Pa.	.5
3S	Beekley, Francis C.	Media, Pa.	1.0
3AMF	Beekman, Robert L.	Mt. Washington, Md.	.5
3M	Behan, Arthur R.	3447 N. 15th St., Philadelphia, Pa.	.5
3NL	Behm, L. F.	1519 Poplar Grove St., Baltimore, Md.	.5
3AEF	Beidelman, Harry A.	840 Elm St., Camden, N. J.	.5
3NI	Bell, Albert A., jr.	8 Catalpa Ave., Hamilton, Md.	1.0
3ARL	Belt, William B.	Hyattsville, Md.	.5
3VY	Beresford, Rees H.	4541 Chestnut St., Philadelphia, Pa.	.5
3DC	Bergen, Donald M.	920 Riverside Ave., Trenton, N. J.	1.0
3FY	Bergey, H. Leon	Lansdale, Pa.	1.0
3WH	Berkeley, Kenneth H.	3422 Center St. NW., Washington, D. C.	.5
3KS	Bernhard, William	2119 Fairmount Ave., Baltimore, Md.	1.0
3VL	Bernstein, Abe R.	321 Church St., Norfolk, Va.	.5
3DN	Bertolet, Benjamin, jr.	2112 Columbia Ave., Philadelphia, Pa.	.5
3MO	Bickel, E. Clifton	758 High St., Pottstown, Pa.	1.0
3CC	Biddle, Howard L., jr.	319 Hillside Ave., Jenkintown, Pa.	.5
3HW	Bidwell, George L.	1245 Evarts St. NE., Washington, D. C.	.5
3NH	Bierfreund, Max A.	Pitman Ave., Pitman, N. J.	.5
3LQ	Birch, Stanford B.	45 Washington Ave., Collingswood, N. J.	.5
3FT	Bisciolotti, Bernard J.	608 Carpenter St., Philadelphia, Pa.	.5
3CY	Biser, Mark H.	Middletown, Md.	.5
3BP	Blackwood, George C.	5346 Wayne Ave., Philadelphia, Pa.	.5
3ASF	Blaess, George	2106 N. 5th St., Philadelphia, Pa.	.5
3AAJ	Blair, C. Drewry	1804 Hanover Ave., Richmond, Va.	.5
3AAI	Blake, John M.	2506 Maryland Ave., Baltimore, Md.	.5
3TV	Bianford, Irving	922 North St., Portsmouth, Va.	.5
3AGP	Bianford, Irving I.	Portsmouth, Va. (portable station)	.5
3ASU	Bium, William	1811 Arctic Ave., Atlantic City, N. J.	.5
3GN	Board of Public Education	Lehigh Ave. and 8th St., Philadelphia, Pa.	.5
3EO	Bockins, John M., jr.	Abington, Pa.	.5
3FX	Bonsall, Thomas F.	213 Chester Ave., Glenolden, Pa.	.5
3AEM	Booz, Walter M.	237 W. Pine St., Wildwood, N. J.	.5
3ADA	Bott, James M.	1011 W. Cumberland St., Philadelphia, Pa.	.5
38N	Bourgeois, Edmund R.	901 Central Ave., Ocean City, N. J.	1.0
3TL	Bowes, Joseph J.	2647 Agate St., Philadelphia, Pa.	.5
3AIX	Bowman, Christian M.	150 E. Chestnut St., Lancaster, Pa.	.5
3RG	Bowman, Philip W.	202 E. Montgomery St., Baltimore, Md.	.5
3HJ	Bradley, Horace E.	315 V St. NE., Washington, D. C.	.5
38O	Bradshaw, R. B.	239 Chestnut St., Haddonfield, N. J.	.5
3BO	Brady, John B.	Somerset, Md.	.5
3UZ	Braidwood, Thomas W.	Anglesea, N. J.	1.0
3AMS	Brandt, Bruce C.	932 Oak Hill Ave., Hagerstown, Md.	.5
3NZ	Branin, Manliff L.	4516 Pacific Ave., Wildwood, N. J.	.5
3EV	Brannan, Julian L.	2632 Guilford Ave., Baltimore, Md.	.5
38S	Brany, Emil B.	241 Goepf St., Bethlehem, Pa.	1.0
3ARD	Brautigam, Harry G.	5714 American St., Philadelphia, Pa.	.5
3ATN	Briscoe, James D.	Hyattsville, Md.	.5
3VE	Brenner, Samuel M.	5025 Walnut St., Philadelphia, Pa.	.5
3AGM	Breuil, James F.	209 Rutgers St., Swarthmore, Pa.	.5
3AMI	Brineshults, Ralph	Cedarville, N. J.	.5
3ASM	Britt, Charles J.	Arlington, Pa.	.5
3TP	Brittingham, Otis B.	1038 North St., Portsmouth, Va.	.5
3W	Broadbelt, J. Edward, jr.	2723 Guilford Ave., Baltimore, Md.	.5
3H	Brockman, Francis C.	3 N. Main St., Nazareth, Pa.	1.0
3DF	Brockway, Ladue M.	154 Bickley Ave., Glenside, Pa.	.5
3ANM	Bromley, George T., jr.	222 N. Fulton St., Allentown, Pa.	1.0
3AHS	Brown, Edwin H.	125 State St., Harrisburg, Pa.	.5
3AMT	Brown, Raymond H.	633 10th St. NE., Washington, D. C.	.5

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
3AST	Brown, William	3013 Fairmount Ave., Atlantic City, N. J.	0.5
3ATA	Brubaker, John W.	911 Indiana Ave., Atlantic City, N. J.	1.0
3KE	Brubaker, John W.	200 W. 16th St., Philadelphia, Pa.	.5
3AAF	Brudenell, Norman	2123 W. Pacific St., Philadelphia, Pa.	.5
3AGO	Brunhouse, Jacob S.	431 W. York Ave., York, Pa.	1.0
3OH	Bryan, John D.	1927 S. Salford St., Philadelphia, Pa.	.5
3GF	Bryce, Stanley C.	1626 N. 13th St., Philadelphia, Pa.	.5
3BK	Bryce, Stanley C.	Seaside Park, N. J.	.5
3CP	Bunting, George M., jr.	315 E. Broad St., Chester, Pa.	.5
3NW	Burke, Thomas J.	1750 W. Mole St., Philadelphia, Pa.	.5
3ANW	Burkhardt, Horace C.	1243 West Ave., Ocean City, N. J.	.5
3SM	Burnett, A. Elmo	418 N. 23d St., Richmond, Va.	.5
3RX	Buskey, Harry L.	425 Westover Ave., Norfolk, Va.	.5
3VB	Butt, Harvey R.	1307 Moran Ave., Norfolk, Va.	.5
3UW	Call, J. Richard	114 Walnut St., Haddonfield, N. J.	.5
3UJ	Campbell, James D.	214 Wyncote Rd., Jenkintown, Pa.	.5
3CO	Campbell, James S.	1700 S. 60th St., Philadelphia, Pa.	.5
3BW	Campbell, John W.	1209 N. 25th St., Philadelphia, Pa.	.5
3AHA	Carlisle, John F.	1015 10th Ave., Moore, Pa.	.5
3BX	Carpenter, C. Ellwood, jr.	7417 Sprague St., Philadelphia, Pa.	.5
3UN	Carpenter, C. Ellwood, jr.	Ocean City, N. J.	.5
3BA	Carrington, Roland	347 Camel St., Baltimore, Md.	.5
3AAG	Carroll, Louis, jr.	26 S. New Jersey Ave., Atlantic City, N. J.	.5
3AB	Carroll, Roy C.	918 Westminster St. N.W., Washington, D. C.	.5
3AND	Casey, Howard	230 S. Connecticut Ave., Atlantic City, N. J.	.5
3QQ	Cassady, Park H.	Hershey, Pa.	1.0
3AIW	Chadwich, Herbert E.	110 Walnut St., Jenkintown, Pa.	.5
3KO	Chalmers, Edwin L.	125 Burk Ave., Wildwood, N. J.	1.0
3ANL	Chambers, Ivan F.	1519 Franklin St., Washington, Del.	.5
3ASE	Channell, John W.	Philadelphia, Pa. (portable station)	1.0
3FM	Channell, John W.	5213 Germantown Ave., Philadelphia, Pa.	.5
3ST	Chappell, Ralph R.	2112 E. Clay St., Richmond, Va.	.5
3SD	Cheltenham High School.	Elkins Park, Pa.	.5
3AHP	Chesser, Page P. A.	Georgetown, Del.	.5
3DE	Chism, Thomas A.	3617 O St. N.W., Washington, D. C.	.5
3UT	Cianfrani, Theodore.	1217 Morris St., Philadelphia, Pa.	.5
3BG	Clark, Edwin T.	2419 S. Juniper St., Philadelphia, Pa.	.5
3FQ	Clark, William R.	38 N. Paxon St., Philadelphia, Pa.	.5
3WN	Cloman, William E.	3725 Kossuth St., Baltimore, Md.	.5
3AOI	Coblentz, Philip O.	Middletown, Md.	.5
3AIA	Cocklin, Foster W.	1630 N. 5th St., Harrisburg, Pa.	1.0
3UR	Cohan, William W.	611 Lombard St., Philadelphia, Pa.	.5
3MP	Cohen, Henry	600 S. 2d St., Philadelphia, Pa.	.5
3CL	Coleman, Walter V.	2245 N. 15th St., Philadelphia, Pa.	.5
3AO	Collier, Wilbur H.	820 W. Fayette St., Baltimore, Md.	.5
3AOR	Cook, Charles F.	Yardley, Pa.	.5
3CI	Cook, Howell E.	Seaside House, Atlantic City, N. J.	.5
3ADO	Coombs, John S.	Bethesda, Md.	.5
3LR	Cooper, William F.	Franklin and Marshall Academy, Lancaster, Pa.	.5
3WP	Cox, T. Newell	Pikesville, Md.	.5
3AEA	Craigie, Stuart M.	511 W. Grace St., Richmond, Va.	.5
3PT	Creager, E. Clark	Wynnewood, Pa.	.5
3BE	Critchlow, P. Davey	2632 N. 17th St., Philadelphia, Pa.	.5
3QJ	Crowley, Robert H.	23 N. Dewey St., Philadelphia, Pa.	.5
3ARE	Cullin, Ernest N.	1762 Willard St. N.W., Washington, D. C.	.5
3ANK	Cunningham, G. Blair	1419 Linden St., Allentown, Pa.	.5
3NC	Dalling, Howard	2942 High St., Camden, N. J.	.5
3ASD	Damon, Lester R.	2517 N. 9th St., Philadelphia, Pa.	.5
3FB	Darby, George B., jr.	1 Bala Ave., Bala, Pa.	.5
3WI	Darnell, Albert H., jr.	129 S. Pennsylvania Ave., Atlantic City, N. J.	.5
3FA	Davis, Edwin L.	3812 8th St. N.W., Washington, D. C.	.5
3AOE	Davis, Lewis V.	Burlington, N. J.	.5
3WL	Davis, Raymond	1422 Perry Pl. N.W., Washington, D. C.	1.0
3UG	Dearden, Rowland R., 3d	11th St. and 69th Ave., Philadelphia, Pa.	.5
3AHT	Deavers, Wayne R.	1815-A W. Main St., Richmond, Va.	.5
3QU	Deichmann, George L., jr.	Park Heights Ave., Baltimore, Md.	.5
3FN	Deichmiller, Alvin	1323 S. Carey St., Baltimore, Md.	.5
3FF	Dempster, Warren J.	118 Cleveland Ave., Norwood, Pa.	.5
3LP	Densham, Harry W.	Collingswood, N. J.	.5
3FR	Densten, E. Craig	Penns Grove, N. J.	1.0
3QB	Derbyshire, Agnew W.	47 Clapier St., Germantown, Pa.	.5
3HY	Derr, Francis S.	36 Franklin St., Somerville, N. J.	.5
3FY	Devlin, John L.	5611 Angora Ave., Philadelphia, Pa.	.5
3JE	Dickerson, E. Stuart, jr.	121 W. Cedar Ave., Merchantville, N. J.	.5
3AEW	Dicks, Grover C.	Hagerstown, Md.	.5
3GA	Dietz, Fred	2136 N. Orleans St., Philadelphia, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
3RD	Dimling, Rudolph G. A.	Bancroft Pk., Baltimore, Md.	0.5
3IC	Dingee, Alex. L. M.	Paoli, Pa.	1.0
3AKK	Dolbow, George W.	215 W. 22d St., Wilmington, Del.	.5
3KH	Don Bosco Institute	507 S. 9th St., Philadelphia, Pa.	.5
3PG	Dorsey, Arthur.	3601 Greenmount Ave., Baltimore, Md.	.5
3GJ	Doughty, William R.	218 E. Park Ave., Haddonfield, N. J.	.5
3MA	Downes, Marlboro K.	1002 E. Broad St., Richmond, Va.	.5
3LN	Doyle, John E.	1931 N. Uber St., Philadelphia, Pa.	1.0
3BB	Dralovec, Dalibor.	3535 N. Water St., Philadelphia, Pa.	.5
3DL	Dreis, William J.	823 N. Penn St., Allentown, Pa.	.5
3ARH	Drexel Radio Club	Drexel Institute, Philadelphia, Pa.	.5
3MD	Dulany, Franklin R.	5 W. Walnut Ave., Merchantville, N. J.	.5
3LT	Dunbar, Lewis T.	R. F. D. No. 1, Bristol, Pa.	.5
3AHO	Dunn, John M.	30 Union St., Salem, N. J.	.5
3UM	Durham, Edmund B.	85 South St., Somerville, N. J.	.5
3VA	Durham, Wilson N.	4618 Spruce St., Philadelphia, Pa.	.5
3AK	Duvall, Edward B.	1027 Madison Ave., Baltimore, Md.	.5
3SC	Ecton, Albert F.	822½ 7th St. SW., Washington, D. C.	.5
3TJ	Edson, Howard D.	1505 N. Gratz St., Philadelphia, Pa.	.5
3FV	Edwards, Charles.	3345 Ella St., Philadelphia, Pa.	.5
3BN	Egan, John E.	1332 N. Merrine St., Philadelphia, Pa.	.5
3VI	Egner, John	3126 N. 7th St., Philadelphia, Pa.	.5
3IH	Eisele, Edward, jr.	1116 Glenwood St., Philadelphia, Pa.	.5
3AKI	Eisenhard, Stanley E.	1512 Gordon St., Allentown, Pa.	1.0
3AKT	Eisenhauer, Harry D.	744 N. 11th St., Reading, Pa.	.5
3KT	Elder, Lucius W.	407 Wayne Ave., Wayne, Pa.	.5
3BQ	Eller, George O.	717 7th St. SE., Washington, D. C.	.5
3ADL	Ellis, Edmund K.	Bethesda, Md.	.5
3LU	Ellis, J. Elton	1929 Hoffman St., Philadelphia, Pa.	.5
3CR	Ellis, William G.	2204 N. 15th St., Philadelphia, Pa.	1.0
3AW	Ely, Harry S.	Overlea, Md.	.5
3ADR	Endress, John N.	2430 Jefferson St., Harrisburg, Pa.	1.0
3AKE	Enslin, Louis R.	1731 N. 21st St., Philadelphia, Pa.	.5
3AME	Ensor, John S.	Mt. Washington, Md.	.5
3DR	Eyster, James A.	317 Washington Ave., Haddonfield, N. J.	1.0
3ATR	Falconer, Norwood B.	1630 Bolton St., Baltimore, Md.	.5
3HT	Falkenberg, August E.	512 Franklin Ter., Baltimore, Md.	1.0
3LM	Faries, Walter R.	Llankerris Rd., Bala, Pa.	.5
3AAU	Faulstich, Chester W.	1535 Clifton St., Baltimore, Md.	.5
3OT	Faust, Elmer J.	728 Hamilton St., Allentown, Pa.	.5
3BI	Feiler, Frederick W.	269 W. Thayer St., Philadelphia, Pa.	.5
3TR	Fell, David B.	19 Park Ave., Ogontz, Pa.	.5
3JU	Fenimore, Robert S.	Windsor Mill Rd., Baltimore, Md.	.5
3RC	Fenton, Edward T.	Park Heights Ave., Baltimore, Md.	.5
3CH	Ferris, Malcolm.	3409 Baring St., Philadelphia, Pa.	.5
3IX	Field, Harry P.	219 39th St., Norfolk, Va.	.5
3CQ	Finger, Russell W.	448 Royden St., Camden, N. J.	.5
3OP	Fink, Louis, 3d.	Laurel Springs, N. J.	.5
3IW	Fisher, John T.	136 York Ave., West Cape May, N. J.	.5
3DZ	Fisher, Roy S.	3520 Disston St., Philadelphia, Pa.	1.0
3HO	Fithian, Wm. S., jr.	313 E. Commerce St., Bridgeton, N. J.	1.0
3BH	Flather, Bryan S.	1358 South Carolina Ave. SE., Washington, D. C.	.5
3AFH	Fliegel, William M.	4535 N. 17th St., Philadelphia, Pa.	.5
3VX	Flounders, Newton.	Media, Pa.	1.0
3ARM	Flumerfelt, E. Clinton.	Polkville, N. J.	.5
3AMA	Fow, Oscar A.	103 Summit Ave., Jenkintown, Pa.	.5
3KC	Flynn, Thomas F.	Mineral, Va.	.5
3QY	Frank H. Stewart Electric Co.	37-39 N. 7th St., Philadelphia, Pa.	.5
3JN	Frankenfield, Albert L.	236 N. 53d St., Philadelphia, Pa.	.5
	Franklin and Marshall Academy. See Cooper, William F.		
3VS	French, Edward R., jr.	231 9th St. SE., Washington, D. C.	.5
3EL	Fricke, Henry W. L.	801 Aisquith St., Baltimore, Md.	1.0
3NB	Frye, Marcus, jr.	616 Elmer St., Vineland, N. J.	1.0
3QP	Fulton, Harold E.	1643 Turner St., Allentown, Pa.	.5
3AMG	Gains, George A.	804 W. Saratoga St., Baltimore, Md.	.5
3JV	Gardner, James A.	14 1st Ave., West Catasaugua, Pa.	.5
3MT	Gardner, William L.	1612 N. 4th St., Harrisburg, Pa.	.5
3NF	Gaskill, William W.	226 E. Washington Ave., Merchantville, N. J.	.5
3AY	Gaskins, Richard W.	931 North St., Portsmouth, Va.	.5
3WN	Gaty, John P. and Lewis R.	29 Morris Ave., Morristown, N. J.	1.0
3CU	Gause, Harry W.	221 5th St. SE., Washington, D. C.	.5
3LX	Geiglein, Henry S.	2583 W. Fayette St., Baltimore, Md.	1.0
3UI	George, John R.	222 W. Wyoming Ave., Philadelphia, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
3ATH	George, John R.	5150 Knox St., Philadelphia, Pa.	Kw. 0.5
3AV	Gerns, William H.	1663 Wisconsin Ave. NW., Washington, D. C.	.5
38X	Gleske, Alfred W., Jr.	Catonsville, Md.	1.0
3AOP	Gilbert, Clifford W.	1620 N. 17th St., Philadelphia, Pa.	.5
3UA	Gilbert, Harry P., Jr.	809 Emmet St., Portsmouth, Va.	.5
3AHI	Giles, Larkin	1307 Clayton St., Wilmington, Del.	.5
3ARI	Gillen, John J.	2134 Christian St., Philadelphia, Pa.	.5
3AZ	Gillingham, Geo. L., Jr.	4508 Richmond St., Bridesburg, Pa.	.5
3AR	Gilpin, Levering H.	2702 N. Calvert St., Baltimore, Md.	1.0
3II	Gleisner, Francis W.	134 Folsom Ave., Atlantic City, N. J.	.5
	Glenside Wireless Association. See Zabel, Leroy E.		
3AIF	Gluck, Earl.	Berwick Ave., Hamilton, Md.	.5
3LO	Godfrey, Clarence M.	915 14th St. SE., Washington, D. C.	.5
3IF	Godfrey, Earl.	145 St. Charles Pl., Atlantic City, N. J.	.5
3NK	Godfrey, Howard L.	2150 N. Corlies St., Philadelphia, Pa.	.5
3FG	Godfrey, James M.	5037 Springfield Ave., Philadelphia, Pa.	.5
3WX	Goebel, Eugene S.	1601 Columbia Ave., Philadelphia, Pa.	.5
3AKM	Goldstein, William.	642 N. Clinton Ave., Trenton, N. J.	.5
3KB	Goodall, Albert B.	518 Rhode Island Ave. NE., Washington, D. C.	.5
3JZ	Goodling, David H.	330 N. Madison St., Allentown, Pa.	.5
3WO	Goodwin, Harold F.	4941 N. 5th St., Philadelphia, Pa.	.5
3UY	Gordon, Horace W.	5115 Spruce St., Philadelphia, Pa.	.5
3OL	Grant, Arthur F.	2112 Venango St., Philadelphia, Pa.	.5
3RO	Gravely, Willis T.	854 Main St., Danville, Va.	1.0
3KM	Gray, Gerald.	92 Main St., Newton, N. J.	.5
3EX	Gray, Karl F.	113 Northampton St., Easton, Pa.	.5
3KF	Green, Anthony J.	1112 S. Lakewood Ave., Baltimore, Md.	.5
3EC	Green, Daniel J.	610 Washington St., Cape May, N. J.	.5
3AKH	Greenfield, Robert H.	1626 W. Ontario St., Philadelphia, Pa.	.5
3AGT	Gresh, Harold.	Main St. and Franklin Ave., Norristown, Pa.	1.0
3ANF	Grier, George M.	114 W. 13th St., Wilmington, Del.	.5
3VK	Griffith, Dorsey J.	3104 R St. NW., Washington, D. C.	.5
3PZ	Griffith, Elmer G.	1415 Loudon St., Philadelphia, Pa.	.5
3MK	Griscom, Samuel B.	32 Walnut St., Salem, N. J.	.5
3AL	Guenzel, Herman A.	410 Buttonwood St., Philadelphia, Pa.	.5
3ATG	Gummere, John F.	20 Tenby Rd., Llanerch, Pa.	.5
3HD	Haake, William F.	3429 Frederick Ave., Baltimore, Md.	.5
3RQ	Haas, Jerome S.	2011 Atlantic Ave., Atlantic City, N. J.	.5
3RF	Haig, J. Donald.	118 E. Maple Ave., Merchantsville, N. J.	.5
3NM	Haldeman, George E.	849 Maple Ave., Collingswood, N. J.	.5
3AIG	Hale, Charles W.	233 Lancaster Ave., Wayne, Pa.	.5
3OD	Hall, Leroy.	86 V St. NW., Washington, D. C.	.5
3QV	Hall, Robert S.	Clarke's Lane, Arlington, Md.	.5
3PR	Hamburg, Russell.	105 E. Crocus Rd., Wildwood Crest, N. J.	.5
3ASW	Hammel, William C.	640 Lake St., Lancaster, Pa.	.5
3RV	Hammill, McClintock, Jr.	1822 Spruce St., Philadelphia, Pa.	.5
3JT	Hampson, George M.	731 Newington Ave., Baltimore, Md.	.5
3JY	Hann, Charles B.	206 E. Preston St., Baltimore, Md.	.5
3HR	Harmer, Robert H.	150 S. Willow Grove Pike, Glenside, Pa.	.5
3ADF	Harrell, Leonard B.	900 Holladay St., Portsmouth, Va.	.5
3PH	Harris, Edwin R.	61 N. 61st St., Philadelphia, Pa.	.5
3PJ	Harris, S. Sylvan.	3413 Judson St., Philadelphia, Pa.	1.0
3LY	Harris, William J.	23d and Howard Sts., Chester, Pa.	.5
3QW	Harsch, Lawrence P.	Mt. Ranier, Md.	.5
3AMD	Hart, Robert M.	208 St. Martins Rd., Baltimore, Md.	.5
3IS	Hartley, Milton E.	635 E St. SE., Washington, D. C.	.5
3VJ	Harvey, Edmund H.	Seane, Pa.	.5
3ART	Harvey, Walter E.	233 N. Broad St., Trenton, N. J.	.5
3FS	Harwood, Theodore O.	1326 N. Broadway, Baltimore, Md.	.5
3ID	Hasenfus, Joseph F.	2328 N. Fairhill St., Philadelphia, Pa.	.5
3AED	Haslett, Harold D.	1822 N. Croskey St., Philadelphia, Pa.	.5
3ADT	Hastings, Harris.	905 B St. NE., Washington, D. C.	.5
3ASR	Hauf, Joseph C., Jr.	4310 Maine Ave., Baltimore, Md.	.5
3LI	Heck, Lewis O.	1614 Webster St., Baltimore, Md.	.5
3NX	Heintzelman, Walter.	312 N. 14th St., Allentown, Pa.	.5
3ATD	Heist, Le Roy E.	2415 N. Capitol St., Washington, D. C.	.5
3ANO	Henneberger, Hubert.	15 Cannon Ave., Hagerstown, Md.	1.0
3AGE	Hemphill, William J., Jr.	235 W. Wyoming Ave., Philadelphia, Pa.	.5
3LM	Hernandez, Roger B.	1326 Chew St., Allentown, Pa.	.5
3DW	Hermanns, A. Walter.	Philadelphia, Pa. (portable station).	.5
3SZ	Herndon, Landon C.	409 Middle St., Portsmouth, Va.	.5
3GP	Hettinger, Alfred C.	124 S. Church St., Allentown, Pa.	.5
3EM	Heyser, Wilber A.	337A Marshall St., Norristown, Pa.	.5
3HM	Hickman, Paul W.	1917 Green St., Philadelphia, Pa.	.5
3AAX	Hicks, Thomas R.	425 Miner St., West Chester, Pa.	1.0

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
3PV	Hiestand, Benjamin	Marietta, Pa.	0.5
300	Hindin, Louis N.	1615 S. 5th St., Philadelphia, Pa.	.5
3ND	Hirst, Arthur C.	Haverford, Pa.	.5
3MF	Hitchner, Clyde G.	405 8th St., Vineland, N. J.	.5
3JX	Hoagland, Donald	43 Lake St., Bridgeton, N. J.	.5
3RI	Hodges, R. E. L.	2648 Maryland Ave., Baltimore, Md.	.5
3ATF	Hodges, Thomas L.	3408 Duvall Ave., Baltimore, Md.	.5
3RU	Hoff, J. Marshall	4909 Knox St., Philadelphia, Pa.	.5
3KK	Hofmann, George A.	1416 Liberty St., Trenton, N. J.	.5
3AQ	Hogan, Harold O.	3d and Cherokee Sts., South Bethlehem, Pa.	.5
3AMP	Holloway, J. Q. A.	Mt. Washington, Md.	.5
3EZ	Hollyday, H. Robins.	120 E. Dover St., Easton, Md.	.5
3AEN	Holstein, Hubert	1932 Page St., Philadelphia, Pa.	.5
3PS	Holt, Clarence J.	136 D St. SE., Washington, D. C.	.5
3AAK	Hopkins, James R.	3214 West Ave., Newport News, Va.	.5
3AET	Horner, George E.	734 Market St., Camden, N. J.	.5
3AHK	Houck, Harry W.	New Cumberland, Pa.	1.0
3PX	Howard, H. Trumbull	221 Park Ave., Swarthmore, Pa.	.5
3UC	Howell, S. Van S.	Clinton, N. J.	.5
3UF	Howlett, Joseph T. F.	2303 N. Broad St., Philadelphia, Pa.	1.0
3UP	Howlett, Joseph T. F.	2303 N. Broad St., Philadelphia, Pa. (portable station).	.5
3UQ	Howlett, Joseph T. F.	Mt. Pocono, Pa.	1.0
3AFO	Huddy, James J., jr.	1906 Wolf St., Philadelphia, Pa.	.5
3ARN	Hunt, Harry L.	1006 Wilkesbarre St., Easton, Pa.	.5
3ARP	Hunter, H. Clifford	226 E. Lancaster Ave., Wayne, Pa.	.5
3TE	Huyette, Paul B.	4601 Wayne Ave., Philadelphia, Pa.	.5
3WF	Huyler, Rollin M.	Mt. Tabor, N. J.	.5
3LB	Iddings, Frederick T.	1608 Linden Ave., Baltimore, Md.	.5
3CJ	Imfeld, Fred, jr.	117 N. 6th St., Philadelphia, Pa.	.5
3ADI	Imfeld, Fred, jr.	Bridgeport, N. J.	.5
3OV	Jacoby, Arthur C.	517 Linden St., Allentown, Pa.	.5
3AU	Jewett, R. W. Dickinson	1833 Jefferson Pl. NW., Washington, D. C.	.5
3MZ	Jodry, Ray S.	Quincy, Pa.	1.0
3OG	Jones, John W.	328 Cooper St., Camden, N. J.	.5
3NP	Jones, LaFrantz	923 French St., Wilmington, Del.	.5
3LC	Jones, Winters	728 N. Monroe St., Baltimore, Md.	.5
3AB	Jordan, Pendleton A., jr.	339 Main St., Suffolk, Va.	.5
3TB	Judson, Elbert B.	111 13th St. SE., Washington, D. C.	.5
3ATE	Keim, Jonathan D.	81 Keim St., Pottstown, Pa.	.5
3AHD	Keller, John H.	2631 N. 6th St., Harrisburg, Pa.	.5
3WZ	Keller, Kenneth W.	159 Harrison Ave., Glenside, Pa.	.5
2WW	Keller, Paul A.	13th St. and Lehigh Ave., Phila., Pa.	.5
3TZ	Kellert, Charles	1208 St. Matthew St., Baltimore, Md.	.5
3ARG	Kelley, Ray F.	1042 S. Paxon St., Philadelphia, Pa.	.5
80B	Kennedy, Ignatius L.	28 S. Market St., Frederick, Md.	.5
3EP	Kennedy, Joseph H.	2052 E. Fletcher St., Philadelphia, Pa.	1.0
3AOK	Kenyon, Walter R.	Philadelphia, Pa. (portable station).	.5
3SH	Kenyon, Walter R.	1838 Columbia Ave., Philadelphia, Pa.	1.0
3AOL	Kienast, Joseph	Columbus Rd., Burlington, N. J.	.5
3TT	Kindt, Charles F., jr.	301 Washington Lane, Jenkintown, Pa.	.5
3MM	King, Albert	209 St. Mary St., Burlington, N. J.	.5
3SV	King, Charles E.	Calvert Court Apts., Baltimore, Md.	.5
3RP	Kirby, Elmer S.	5300 Glenmore Ave., Philadelphia, Pa.	.5
3RH	Kline, H. N. Gay	17 E. 12th St., Ocean City, N. J.	.5
3AAO	Klock, Victor J.	707 N. Seventh St., Camden, N. J.	.5
3KX	Knight, G. Webber, jr.	1545 Walnut St., Harrisburg, Pa.	1.0
3IQ	Knoll, Lloyd M.	3260 Chestnut St., Philadelphia, Pa.	.5
3AEH	Knoll, Lloyd M.	240 Greenwich St., Reading, Pa.	.5
3SL	Knoppel, Herman L.	136 Lismore Ave., Glenside, Pa.	.5
3FJ	Knowles, Edward P.	1100 W. State St., Trenton, N. J.	.5
3TY	Krone, Julian E.	2908 West Ave., Newport News, Va.	.5
3FI	Kumler, Kelvin C.	Kensington, Md.	.5
3SQ	Kupp, Clarence L.	451 Lincoln Ave., Pottstown, Pa.	1.0
3CF	Laager, Creston F.	1029 Belmont Ave., West Philadelphia, Pa.	.5
3GV	Laber, Joseph M.	2422 N. Gratz St., Philadelphia, Pa.	.5
3OS	Lafferty, Francis A.	1717 Ingersoll St., Philadelphia, Pa.	.5
3VD	Lamb, Franklin	623 Elmer St., Vineland, N. J.	.5
3UB	Lamb, Roland H.	1131 Gorsuch Ave., Baltimore, Md.	.5
3ME	Lamdin, Charles R.	4016 Edmonson Ave., Baltimore, Md.	.5
3TC	Landis, Harry	2461 N. 28th St., Philadelphia, Pa.	.5
3QG	Landis, Harold O.	341 N. Front St., Reading, Pa.	.5
3CW	Lange, J. Robert	1938 Lemmon St., Baltimore, Md.	.5
3AAB	Lamsford, Willis R.	3607 13th St., N. W. Washington, D. C.	.5
3EB	LaSalle College	1240 N. Broad St., Philadelphia, Pa.	1.0
3ADE	Layton, Howard H.	805 Washington St., Wilmington, Del.	.5
3AHE	Lazarus, Sanford S.	576 Madison Ave., York, Pa.	1.0
3ED	Legg, Albert A.	1931 N. 23d St., Philadelphia, Pa.	.5
3OI	Lehmberg, Henry	5116 N. 12th St., Philadelphia, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
3AHW	Leigh, Walter S.	Clinton, N. J.	0.5
30A	Lentz, Arthur F.	18 Fairview St., West Catasauqua, Pa.	.5
3ADI	Leopold, William	2110 N. 4th St., Philadelphia, Pa.	.5
3AAE	Lesky, William	2800 Snyder Ave., Philadelphia, Pa.	.5
3TW	Leslie, Malcolm C.	749 Asbury Ave., Ocean City, N. J.	.5
3QC	Lever, Haseltine S.	Abington, Pa.	.5
3LA	Levin, Davis	44 S. Bond St., Baltimore, Md.	.5
30H	Ley, Lewis	243 E. Pearl St., Burlington, N. J.	.5
3RB	Lewis, Ellis	658 Linden Ave., York, Pa.	1.0
3AAL	Lewis, John B.	5108 Whitney Ave., Philadelphia, Pa.	.5
3ASP	Lewis, John C., jr.	4014 Pennurst Ave., Baltimore, Md.	.5
3ASV	Lewis, Joseph A.	201 Massachusetts Ave., Atlantic City, N. J.	.5
3AKN	Lewis, Max J.	222 Jackson St., Trenton, N. J.	.5
3AEK	Lewis, Samuel W.	121-B North Mass. Ave., Atlantic City, N. J.	.5
3AIN	Liddell, Harry M.	224 W. Poplar Ave., Wildwood, N. J.	.5
3UE	Lindauer, Herman E.	3409 Piedmont Ave., Baltimore, Md.	.5
3AMO	Linthicum, Robert E.	2013 Benning Rd., NE., Washington, D. C.	.5
3AFN	Lippincott, Bertram	1712 Spruce St., Philadelphia, Pa.	.5
3AOS	Lister, Robert W.	102 Overbrook Ave., Trenton, N. J.	.5
3AFK	Lohr, Allen W.	2122 Flagler Pl., NW., Washington, D. C.	.5
3QE	Long, Perry H.	133 Runnymede Ave., Wayne, Pa.	.5
3RE	Longaker, Abram	216 Zeraldo St., Philadelphia, Pa.	.5
3AAD	Longfellow, Charles F., jr.	3038 R St., NW., Washington, D. C.	.5
3DU	Louchheim, William S.	Jenkintown, Pa.	.5
3UX	Loughlin, John K.	2215 Hunting Park Ave., Philadelphia, Pa.	.5
3DI	Lowell, Percival D.	2838 27th St., NW., Washington, D. C.	.5
3WQ	Lower Marion High School	Ardmore, Pa.	.5
3AAR	Lum, Robert B.	64 Greene Ave., Madison, N. J.	.5
3PM	Lusse, Richard N.	2855 N. 8th St., Philadelphia, Pa.	.5
3NY	Lutz, John M.	119 E. Wildwood Ave., Wildwood, N. J.	.5
3DY	Lynn, Thomas H.	Hyattsville, Md.	.5
3LG	Lyon, Harry H.	Hyattsville, Md.	.5
3UL	Lyon, Raymond S.	527 William St., Boonton, N. J.	.5
3GH	MacDonlad, Stuart	209 N. 53rd St., Philadelphia, Pa.	.5
3EQ	MacKendrick, Robert G.	307 Amos Land Rd., Holmes, Pa.	.5
3IA	Mahlmeister, Eugene, jr.	1901 N. 13th St., Philadelphia, Pa.	1.0
3AM	Majer, Carl T.	Philadelphia, Pa. (portable station).	.5
3MR	Mandelkern, Maurice H.	2349 N. 15th St., Philadelphia, Pa.	.5
3TS	Mandeville, Francis T.	116 Church St., Boonton, N. J.	.5
3MH	Markham, Lester M.	5108 Baltimore Ave., Philadelphia, Pa.	.5
3ES	Martin, E. Linton	315 Radcliffe St., Bristol, Pa.	.5
3AHF	Martin, Justus L.	721 W. Fayette St., Baltimore, Md.	.5
3ASI	Marts, Harvey	836 Central Ave., Ocean City, N. J.	.5
3ER	Maryland School of Telegraphy.	Baltimore, Md.	1.0
3AIV	Mastin, Marion G.	1438 Meridian Pl. NW., Washington, D. C.	.5
3NR	Maul, Gilbert F.	Chatham, N. J.	.5
3DO	Maxson, Donald L.	Kensington, Md.	.5
3ADS	McAllister, Louis E.	807 Asbury Ave., Ocean City, Md.	.5
3TU	McAnally, Charles G.	1601 Lincoln Ave., Moore, Pa.	.5
3DJ	McCarter, William F.	4718 N. Camac St., Philadelphia, Pa.	.5
3JL	McCaskey, Edward R.	1029 Main St., Darby, Pa.	1.0
3AIS	McClanen, Wilson T.	3326 Van Kirk St., Wissinoming, Pa.	.5
3QO	McCloskey, J. Leonard	112 Broad St., Palmyra, N. J.	.5
3LZ	McCullough, Earl N.	125 N. Gross St., Philadelphia, Pa.	.5
3KV	McDowell, Albert P., jr.	41 Carpenter Lane, Philadelphia, Pa.	.5
3PK	McGear, Herbert K.	3014 W. York St., Philadelphia, Pa.	.5
3SJ	McIntosh, Howard F.	4218 Thompson St., Philadelphia, Pa.	.5
3EY	McIntyre, Wm.	Oak Lane, Pa.	.5
3AOD	McIver, Renwick S.	2036 O St. NW., Washington, D. C.	.5
3KP	McKinley, Richard S., jr.	218 Lansdowne St., Wayne, Pa.	.5
3ASG	McKnett, Robert R.	3147 W. Gordon St., Philadelphia, Pa.	.5
3ARS	McNair, William D.	1933 Biltmore St. NW., Washington, D. C.	.5
3VR	McVickar, W. Patton	112 Chester Pike, Norwood, Pa.	1.0
3ANT	Martin, George C.	1553 Ferry St., Easton, Pa.	1.0
3RK	Mecaslin, Harry B.	3903 Hawthorne Ave., Baltimore, Md.	1.0
3GL	Meck, Michael	1550 N. Allison St., Philadelphia, Pa.	.5
3MJ	Megowen, Horace L.	4511 N. 18th St., Philadelphia, Pa.	.5
3KW	Mehring, Charles J.	414 Reily St., Harrisburg, Pa.	.5
3NT	Melton, J. Carroll	422 Cambridge Crescent, Larchmont, Va.	1.0
3MG	Mervine, Watson M.	509 Laconey Ave., Palmyra, N. J.	.5
3RA	Messinger, Miles B.	309 N. Linden St., Bethlehem, Pa.	.5
3FD	Meyer, Emil J.	1919 Green St., Philadelphia, Pa.	.5
3ATL	Michael, Albert C.	550 Camp St., Harrisburg, Pa.	.5
3AGS	Michael, Albert.	Harrisburg, Pa.	1.0
3EO	Mill Mountain Incline (Inc.)	Roanoke, Va.	1.0

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
3AC	Miller, Alfred H.	6358 McCallum St., Philadelphia, Pa.	0.5
3TD	Miller, Harry G.	1526 2d Ave., York, Pa.	1.0
3GQ	Miller, Kelly, Jr.	430 College St., NW., Washington, D. C.	.5
3ANA	Miller, Martin V.	801 Oak Hill Ave., Hagerstown, Md.	.5
3AGN	Miller, Paul F.	38 S. 5th St., Easton, Pa.	.5
3ASA	Millner, Robert D.	3335 Tennyson St., NW., Washington, D. C.	.5
3ASN	Minnick, Otis.	42 Fairview Ave., Cumberland, Md.	.5
3AI	Mohr, Paul D.	537 Chestnut St., Emaus, Pa.	1.0
3ANI	Montrose, Jack	5113 Viola St., Philadelphia, Pa.	.5
3OE	Mooney, John, jr.	Philadelphia, Pa. (portable station)	.5
3OM	Mooney, John, jr.	2903 Girard Ave., Philadelphia, Pa.	.5
3GG	Moor, Percy W.	6119 Ridge Ave., Philadelphia, Pa.	.5
3EK	Moore, Daniel D.	2308 N. Charles St., Baltimore, Md.	1.0
3CB	Moore, Earl T.	546 Stanbridge St., Norristown, Pa.	.5
3AKA	Moore, James P.	123 S. Massachusetts Ave., Atlantic City, N. J.	.5
3ATM	Morgan, Joseph, jr.	408 Tioga St., Johnstown, Pa.	1.0
3IO	Morgan, Joseph, jr.	314 W. Seymour St., Germantown, Pa.	.5
3NQ	Morley, Augustin II.	1008 McKean St., Philadelphia, Pa.	.5
3GS	Morris, George M.	1511 Hazzard Street, Philadelphia, Pa.	.5
3MI	Morris, Maynard C.	926 S. 54th St., Philadelphia, Pa.	.5
3AHM	Morris, William J., jr.	134 Prospect St., Trenton, N. J.	.5
3MY	Moyer, Edgar F.	561 Broad St., Emaus, Pa.	.5
3WD	Moyer, Luke I.	2021 N. Lambert St., Philadelphia, Pa.	.5
3OY	Muller, Ralph II.	2665 Douglass St., Philadelphia, Pa.	.5
3TG	Murphy, Clement II.	1838 N. Hope St., Baltimore, Md.	.5
3HS	Murray, Eugene M.	Grays Lane, Haverford, Pa.	1.0
3AGR	Musante, Augustine F. S.	118 S. Darlington St., West Chester, Pa.	.5
3GE	Nadig, Stanton F.	203 N. 4th St., Allentown, Pa.	.5
3MI	Nasn, Clifford S.	3615 N. 19th St., Philadelphia, Pa.	.5
3CT	Nassau, James A.	1510 N. 18th St., Philadelphia, Pa.	.5
3AAN	Nichols, Verne	512 Linden St., Bethlehem, Pa.	.5
3TI	Nichols, Crawford V.	218 Crawford St., Portsmouth, Va.	.5
3AGK	Nichols, Jack and William F.	Ambler, Pa.	.5
3HL	Nielsen, Harold, jr.	8751 Frankford Ave., Holmesburg, Pa.	.5
3EE	Nikirk, Thomas E.	Washington, D. C. (portable station)	.5
3VU	Nikirk, Thomas E.	411 12th St., SE., Washington, D. C.	.5
3AFP	Noble, Christopher	303 E. Graves Lane, Philadelphia, Pa.	.5
3KD	Noel, James F.	219 2d St. NE., Washington, D. C.	.5
3GO	Norcross, Earl L.	216 Roberts Ave., Glenside, Pa.	.5
3AOM	O'Brien, Francis J.	2226 N. Carlisle St., Philadelphia, Pa.	1.0
3ATP	Onens, Clarence E.	Paulsboro, N. J.	.5
3RJ	Oppermann, Richard	3746 N. 17th St., Philadelphia, Pa.	.5
3VZ	Orlando, Frank	1948 S. 11th St., Philadelphia, Pa.	.5
3WC	Ort, Otto V.	1212 Delaware Ave., Wilmington, Del.	1.0
3EG	Owen, A. Thomas	562 Stanbridge St., Norristown, Pa.	.5
3DM	Page, John C.	Friendship Heights, Md.	.5
3OK	Paine, James P.	525 South St., Portsmouth, Va.	.5
3CX	Parichy, Emery	2332 William St., Trenton, N. J.	.5
3NS	Parker, Joseph P.	808 3d St., Philadelphia, Pa.	.5
3OW	Patchel, Robert F.	532 S. 15th St., Philadelphia, Pa.	.5
3BY	Patterson, Edward B.	618 Park Ave., Pensauken, N. J.	.5
3KG	Patterson, John	2835 N. Bailey St., Philadelphia, Pa.	.5
3CG	Pauly, Robert	204 N. New St., Nazareth, Pa.	.5
3IL	Pawson, James M.	336 W. Logan St., Philadelphia, Pa.	.5
3FL	Pearson, Roland D.	Frankford, N. J.	.5
3GI	Pelham, Fred B.	603 Howard Pl. NW., Washington, D. C.	.5
3PN	Pemberton, Henry R.	West School Lane, Philadelphia, Pa.	.5
3TO	Pent, Robert E.	305 Wyncote Rd., Jenkintown, Pa.	.5
3DB	Perry, Willard P., jr.	129 E. State St., Trenton, N. J.	1.0
3SF	Peter, Armistead, 3d	Tudor Pl. and 31st St. NW., Washington, D. C.	.5
3DA	Peterson, Raymond E.	6047 Allman St., Philadelphia, Pa.	1.0
3JB	Petit, Ernest L.	2344 McClellan St., Philadelphia, Pa.	.5
3UK	Peysler, Philip S.	3208 West Ave., Newport News, Va.	.5
3BT	Philadelphia School of Wireless Telegraphy.	Philadelphia, Pa. (portable station)	.5
3AT	Philadelphia School of Wireless Telegraphy.	Philadelphia, Pa. (portable station)	.5
3PW	Philadelphia School of Wireless Telegraphy.	117 Broad St., Philadelphia, Pa.	.5
3TX	Philadelphia Turngemeinde Club.	1705 Broad St., Philadelphia, Pa.	.5
3AIIH	Phillips, Charles E.	629 Linwood Ave., Collingswood, N. J.	.5
3RM	Phillips, John D.	612 N. 2d St., Rending, Pa.	1.0
3AKR	Phillips, Raymond B.	400 W. 24th St., Wilmington, Del.	.5
3AFD	Phillips, William G.	140 Washington Ave., Collingswood, N. J.	.5
3MC	Pillsbury, Martin K.	Washington Market, Trenton, N. J.	1.0

AMATEUR RADIO STATIONS—Continued.

• THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
3TA	Piper, S. Webster	133 E. Antietam St., Hagerstown, Md.	1.0
3LD	Pisani, Sylvester	226 N. Calhoun St., Baltimore, Md.	.5
3EH	Place, Samuel W.	662 Stanbridge St., Norristown, Pa.	1.0
3MW	Poalk, James L., jr.	325 Summit Ave., Jenkintown, Pa.	.5
3LV	Podenski, Paul.	1602 Beulah St., Philadelphia, Pa.	.5
3SP	Polk, Charles P.	33 E. Walnut Ave., Merchantville, N. J.	.5
3AEL	Pollard, R. Spotswood	308 Elm Ave., Swarthmore, Pa.	.5
3QI	Poole, George D.	2404 Chestnut Ave., Newport News, Va.	.5
3PF	Postpicbal, Otto I.	1617 S. 16th St., Philadelphia, Pa.	.5
3AEO	Porrorff, Russell B.	110 N. Church St., Waynesboro, Pa.	1.0
3EH	Powell, Edwin L.	216 Spruce Ave., Takoma Park, Md.	.5
3JA	Presbrey, Victor E.	Vineland, N. J.	.5
3ADM	Prescott, Henry E.	407 N. Redfield St., Philadelphia, Pa.	.5
3KY	Preston, James E.	911 Oriental Ave., Collingswood, N. J.	.5
3EJ	Primrose, Donald L.	2814 St. Paul St., Baltimore, Md.	.5
3AHG	Proeschold, Harold V.	189 Everett Pl., Rutherford, N. J.	.5
3WR	Pyle, W. A. Faries.	1273 Park Boulevard, Camden, N. J.	.5
3ADN	Quaintance, Leland C.	1807 Phelps Pl., Washington, D. C.	.5
3FE	Rabl, Samuel	419 3rd St., Baltimore, Md.	.5
3UO	Radio Apparatus Co. of America.	5847 Ellsworth St., Philadelphia, Pa.	.5
3ARK	Radio Association of Maryland.	Bancroft Rd., Arlington, Md.	1.0
3RN	Ramsey, Howard N.	96 W. Sharpnack St., Philadelphia, Pa.	.5
3VC	Rancotelli, Erani.	1435 S. Broad St., Philadelphia, Pa.	.5
3NU	Ranf, William Q.	4107 Belle Ave., Baltimore, Md.	.5
3NG	Raser, Edward G.	931 Edgewood Ave., Trenton, N. J.	.5
3TM	Rash, Franklin I.	504 Claymont St., Wilmington, Del.	.5
3AOT	Ratcliffe, William E.	352 Brunswick Ave., Trenton, N. J.	.5
3AEP	Rau, James F.	2045 E. Kingston St., Philadelphia, Pa.	.5
3ARO	Rau, James F.	Island Heights, N. J.	.5
3RW	Redgrave, DeWitt C.	1505 Bolton St., Baltimore, Md.	.5
3ADH	Reed, Charles J., jr.	Sea Isle City, N. J.	1.0
3ADP	Reed, Richard M.	716 Main St., Riverton, N. J.	.5
3AKW	Reid, J. Garnett.	706 Edgwood Ave., Richmond, Va.	.5
3EF	Reiff, W. Norman.	916 Fayette St., Conshohocken, Pa.	1.0
3SA	Requa, Fred A.	1623 W. Pratt St., Baltimore, Md.	.5
3KU	Reynolds, Edwin I.	Bethesda, Md.	.5
3DK	Richardson, Thomas L.	Quarantine, Curtis Bay, Md.	.5
3BF	Richter, Harry A.	2733 N. Fairhill St., Philadelphia, Pa.	.5
3MQ	Ridgway, A. King.	5 E. Melrose St., Chevy Chase, Md.	.5
3AFS	Rieger, George, jr.	Penlynn, Pa.	.5
3AFG	Rile, Joseph C.	Broad Axe, Pa.	1.0
3UH	Rivers, William L.	1439 17th St., Philadelphia, Pa.	.5
3KZ	Roberts, Harold A.	Berwyn, Pa.	1.0
3NV	Robey, V. C. K.	117 Commerce St., Rockville, Md.	.5
3GN	Robinson, George C.	607 N. 10th St., Richmond, Va.	.5
3AAP	Roehm, John A.	668 Union St., Lancaster, Pa.	.5
3ADG	Roehm, Sewall	501 Upland Ave., Noble, Pa.	.5
3RR	Rouller, Harold C.	66 Chestnut St., Pottstown, Pa.	.5
3AOW	Roethlinger, Charles A.	431 W. Susquehanna Ave., Philadelphia, Pa.	.5
3CV	Rohrer, Harry B.	73 Decatur St., Cumberland, Md.	.5
3GB	Rohrich, George J.	Hyattsville, Md.	.5
3AIT	Roland, Penn R.	563 Hlaws Ave., Norristown, Pa.	.5
3MN	Rollins, Thomas E.	1732 S. 21st St., Philadelphia, Pa.	.5
3VV	Rose, Harold W.	St. Albans School, Washington, D. C.	.5
3VL	Rosenfeld, S.	321 Church St., Norfolk, Va.	.5
3UV	Ross, John W.	214 14th St., Norfolk, Va.	.5
3VP	Rothman, Charles.	1837 Wilhelm St., Baltimore, Md.	.5
3AID	Rovins, Theodore.	2021 N. 32d St., Philadelphia, Pa.	.5
3IP	Rowe, Charles R.	1308 Massachusetts Ave. SE., Washington, D. C.	.5
3AAS	Rudrow, Robert G.	6311 Dicks Ave., Philadelphia, Pa.	.5
3LE	Samaha, Edward F.	2 Oriental Pl., Atlantic City, N. J.	.5
3AMH	Sanders, Cecil W.	150 McCormick St., Clifton Forge, Va.	.5
3TK	Savage, Thomas A.	54 W. Willow Grove Ave., Philadelphia, Pa.	.5
3LL	Schaff, Merle S.	Riverton, N. J.	.5
3GW	Schaffer, Raymond C.	Limeport, Pa.	.5
3VO	Schall, John R.	1318 Turner St., Allentown, Pa.	.5
3AP	Scheetz, Edwin F.	Wyncote, Pa.	.5
3EW	Scheffy, Ralph B.	346 Lafayette St., Bristol, Pa.	.5
3AFW	Schimpf, Henry L.	5020 Newhall St., Philadelphia, Pa.	.5
3AIU	Schimpf, Henry L.	Philadelphia, Pa.	1.0
3PA	Schlichting, Edward N. E.	223 Andrew Ave., Wildwood, N. J.	.5
3AEG	Schmidt, G. Ambrose	1936 1st St. NW., Washington, D. C.	.5
3JK	Schnable, Stanley E.	346 Goepf St., Bethlehem, Pa.	1.0

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
3ANC	Schoble, Ralph T.	Wyncote, Pa.	0.5
3FN	Schuck, Leon H.	2441 N. 8th St., Philadelphia, Pa.	1.0
3FU	Schuck, Leon H.	Cape May, N. J.	1.0
3AIK	Schuller, Byron S.	28 S. Grant St., Waynesboro, Pa.	.5
3HU	Schuller, Joseph T.	1329 Brown St., Philadelphia, Pa.	.5
3OU	Schwering, Harry C., jr.	1533 S. 16th St., Philadelphia, Pa.	.5
3SU	Seeley, Alfred J.	241 N. Wilton St., Philadelphia, Pa.	.5
3VT	Seidenberg, Frank	219 Parrish St., Philadelphia, Pa.	.5
3GD	Sener, C. Edward, jr.	2706 24th St. NE., Washington, D. C.	.5
33QZ	Service, Charles A., jr.	Bala, Pa.	1.0
3AOH	Shaffer, Sylvester	1017 Warden St., Baltimore, Md.	.5
3WK	Shannon, Frank	327 N. Wilton St., Philadelphia, Pa.	.5
3AIM	Sharp, Lewis W.	322 Morgan Ave., Palmyra, N. J.	.5
3ARA	Shaw, R. Russell	207 High St., Burlington, N. J.	.5
3HF	Sheetz, George F.	322 Morgan Ave., Palmyra, N. J.	.5
3RT	Sheiry, Edward S.	Friendship Heights, Md.	.5
3EU	Shelley, F. Cheston	116 W. 22d St., Baltimore, Md.	.5
3BJ	Sheriff, Leslie M.	925 Westminster St. NW., Washington, D. C.	.5
3ANG	Schermer, Frank C.	4963 Wakefield St., Philadelphia, Pa.	.5
3IB	Sherrill, Arthur M.	329 W. School Lane, Philadelphia, Pa.	.5
3AES	Sherwood, John R., jr.	Park Heights Ave., Baltimore, Md.	.5
3AOG	Shoemaker, Joseph L.	718 Edgewood Ave., Richmond, Va.	.5
3LF	Shreiner, Carl H.	37 E. James St., Lancaster, Pa.	.5
3IU	Silver, Paul B.	210 Lansdowne Ave., Philadelphia, Pa.	.5
3ANE	Silberberger, Fred E.	3406 N. 11th St., Philadelphia, Pa.	.5
3UD	Silvers, Frank H., jr.	430 Princeton Ave., Trenton, N. J.	.5
3FD	Simon, Walter	1234 Carroll St., Baltimore, Md.	.5
3AGW	Simons, Joseph M.	4553 Pulaski Ave., Philadelphia, Pa.	.5
3ANR	Sinkinson, William R.	2 11th St., Ocean City, N. J.	.5
3ADK	Skiles, John D., jr.	438 N. Duke St., Lancaster, Pa.	.5
3PP	Skinner, William H.	117 Glenn Road, Ardmore, Pa.	.5
3NO	Sleath, Robert W.	305 Schuylkill Ave., Reading, Pa.	.5
3BD	Smith, Alan P., 3d.	18 E. Madison St., Baltimore, Md.	.5
3AIH	Smith, Alfred L.	28 Escher St., Trenton, N. J.	.5
3DQ	Smith, G. Victor	429 W. Hanover St., Trenton, N. J.	.5
3AKS	Smith, Harry F.	247 E. Ross St., Lancaster, Pa.	1.0
3PU	Smith, Hubert H.	518 N. 5th St., Philadelphia, Pa.	.5
3KA	Smith, Norborne G.	South Hill, Va.	1.0
3FH	Smith, Sewall P.	Catonsville, Md.	.5
3HG	Smith, W. P.	5046 Haverford Ave., Philadelphia, Pa.	.5
3ASH	Snappe, Edwin A., jr.	318 W. Logan St., Philadelphia, Pa.	.5
3JR	Snow, Harold A.	1656 Newton St. NW., Washington, D. C.	1.0
3AE	Snyder, Edwin H., jr.	1767 Columbia Rd., Washington, D. C.	.5
3IK	Snyder, Harry H.	Cold Spring, N. J.	.5
3AFE	Somers, Lewis S., jr.	3554 N. Broad St., Philadelphia, Pa.	.5
3SG	Speakman, Edwin G., jr.	3014 Cambridge St. NW., Washington, D. C.	.5
3ANS	Stacks, Thomas de A.	607 Reilly St., Harrisburg, Pa.	.5
3DH	Stahl, Harry E., jr.	275 Bellevue Ave., Trenton, N. J.	.5
3KI	Stanley, John S.	Laurel, Md.	.5
3BC	Stephen, C. Chester	Laurel Springs, N. J.	.5
3HI	Stepp, John W.	1122 Kenyon St. NW., Washington, D. C.	.5
3QA	Stevens, Lewis D.	5224 Delancey St., Philadelphia, Pa.	.5
	Stewart Electric Co., Philadelphia. See Frank H. Stewart Electric Co.		
3AOF	Stiles, Ralph J.	510 Broad St., Cape May, N. J.	.5
3IJ	Stockton, William	26 Main St., Flemington, N. J.	.5
3HK	Stokes, Josiah T.	15 W. Stiles Ave., Collingswood, N. J.	.5
3FW	Strailman, Gilbert T.	649 29th St., Newport News, Va.	.5
3AON	Strang, Harry L.	2020 1st St. NW., Washington, D. C.	.5
3PQ	Strieby, Malcolm	112 Rutgers Ave., Swarthmore, Pa.	.5
3TS	Stritzel, Alfred H.	Champion Apts., Atlantic City, N. J.	.5
3QS	Stubbs, Thomas H.	427 W. Union St., West Chester, Pa.	.5
3AS	Stumpter, Albert G.	Old Harford R., Hamilton, Md.	.5
3AAC	Swartz, French V.	26 S. New Jersey Ave., Atlantic City, N. J.	.5
3ANH	Swartzkopf, Walter K.	1551 S. 58th St., Philadelphia, Pa.	.5
3AGL	Sweiger, Monroe J.	6033 Reinhardt St., Philadelphia, Pa.	.5
3GY	Swinney, Walter, jr.	815 N. Mount St., Baltimore, Md.	.5
3TH	Tabb, Vincent W.	26 Court St., Portsmouth, Va.	.5
3OF	Talbot, George L.	506 14th St., Highlandtown, Md.	.5
3ASL	Tallmadge, Richard H.	Chatham, N. J.	.5
3QL	Tapley, Robert E.	Hampton Court, Norfolk, Va.	.5
3HB	Taylor, Sidney L. M.	17 Winona Ave., Norwood, Pa.	.5
3AEI	Thomas, David	200 Bethlehem Pike, Ambler, Pa.	.5
3AFR	Thomas, Fred S., jr.	1715 Christian St., Philadelphia, Pa.	.5
3EC	Thomson, Henry A.	Primos, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
3TF	Thorborg, Martin E.	230 Seymour St., Philadelphia, Pa.	0.5
3OE	Titus, George E.	249 Mt. Hope Ave., Dover, N. J.	.5
3AHR	Tolbert, Warren B.	Philadelphia, Pa. (portable station)	.5
3IY	Tolbert, Warren B.	7037 Hegerman St., Philadelphia, Pa.	.5
3VF	Tompkins, E. Randolph.	526 9th Ave., Roanoke, Va.	.5
3AMW	Townsend, Lloyd	26 N. Massachusetts Ave., Atlantic City, N. J.	.5
3AIP	Tranor, Harry W.	906 W. Park Sq., Moore, Pa.	.5
3AH	Treide, Carl L.	2102 E. Baltimore St., Baltimore, Md.	.5
3GK	Troth, Raymond H.	3350 N. 18th St., Philadelphia, Pa.	1.0
3AIY	Tuck, Wilbur A.	Point of Rocks, Md.	.5
3ATE	Tuttle, Norris	Bryn Mawr, Pa.	.5
3RY	Turner, Morris C., jr.	2613 Maryland Ave., Baltimore, Md.	.5
3OZ	Twine, Roy W.	319 W. 28th St., Norfolk, Va.	.5
3QR	Underhill, Chester R.	Brightside Farm, Gullford, Md.	.5
3ASO	University of Pennsylvania.	Philadelphia, Pa.	.5
3DV	Uphoff, Frank B.	3649 York Rd., Philadelphia, Pa.	.5
3VQ	Uphoff, Frank B.	9318 Thorofare Ave., Margate City, N. J.	.5
3VW	Uphoff, Frank B.	Philadelphia, Pa. (portable station)	.5
3CE	Uрман, Edgar A.	1823 W. Fayette St., Baltimore, Md.	.5
3CM	Van Horn, J. Clunn.	5127 Arch St., Philadelphia, Pa.	.5
3SB	Van Hulsteyn, J. M. C.	Cockeysville, Md.	.5
3QM	Varnes, Earl W.	8 Race St., Cambridge, Md.	.5
3TN	Venn, Silas N.	900 Vandever Ave., Wilmington, Del.	.5
3ATK	Viessman, Warren.	2711 Twoly Ave., Baltimore, Md.	.5
3AAY	Wagner, Laurence E.	6077 Allman St., Philadelphia, Pa.	.5
3KL	Wagner, William H.	121 Obold St., West Reading, Pa.	.5
3LW	Waite, John W.	2938 N. 3d St., Philadelphia, Pa.	.5
3ADW	Walker, Orville R.	134 S. 17th St., Allentown, Pa.	.5
3IR	Wallace, Lewis J.	2728 Poplar St., Philadelphia, Pa.	.5
3AIL	Wallace, M. Edgar.	38 Prospect St., Trenton, N. J.	.5
3RF	Wallace, William D.	2629 Edmondson Ave., Baltimore, Md.	.5
3NN	Wallen, Francis B.	405 Broadway, Camden, N. J.	.5
3AN	Walsh, Maurice L.	819 W. Lexington St., Baltimore, Md.	.5
3OR	Walker, Donald R.	552 Kohn St., Norristown, Pa.	.5
3AAW	Walthall, John H.	267 W. York St., Norfolk, Va.	.5
3NE	Walton, Brewer G.	New Garden, Pa.	.5
3HU	Walton, Brewer G.	1420 N. Bouvier St., Philadelphia, Pa.	.5
3PO	Watson, James B.	2412 S. Rosewood St., Philadelphia, Pa.	.5
3BV	Watson, Paul G.	214 W. Barnard St., West Chester, Pa.	.5
3VN	Ways, Clarence I.	10 Hanover St., Cumberland, Md.	1.0
3AG	Weant, Clarence H.	1546 Aisquith St., Baltimore, Md.	.5
3AFA	Weber, Charles W.	Abington, Pa.	.5
3AER	Weber, James N.	111 3d St., Millville, N. J.	.5
3AFT	Webster, Harold S.	3623 N. 16th St., Philadelphia, Pa.	.5
3AEH	Wedge, Franklin W.	126 Athens Ave., Ardmore, Pa.	.5
3OC	Wegner, Arthur H.	Livingston Heights, Va.	.5
3AAT	Wegner, Edwin	117 Northampton St., South Bethlehem, Pa.	1.0
3AFM	Weidman, Marshall D.	Columbia, N. J.	.5
3ADP	Weigal, George H.	716 Main St., Riverton, N. J.	.5
3FC	Weik, Charles F.	7148 Vandyke St., Philadelphia, Pa.	.5
3AHR	Weik, Charles F.	Philadelphia, Pa. (portable station)	.5
3AGA	Weikel, John H.	900 Church St., North Wales, Pa.	.5
3LH	Weiss, Leonard.	4825 Woodland Ave., Philadelphia, Pa.	.5
3HF	Weiss, Simon.	815 S. 5th St., Camden, N. J.	.5
3OQ	Welke, Paul L.	39 S. Stricker St., Baltimore, Md.	.5
3AML	Wessells, Wilbert T.	Newark, Del.	.5
3AF	West, William M.	1407 N. Central Ave., Baltimore, Md.	.5
3AGD	Westlake, Harry T.	1922 N. Broad St., Philadelphia, Pa.	.5
3FI	Wever, John A.	238 S. Patterson Park Ave., Baltimore, Md.	1.0
3KQ	Wexler, Bernard.	431 Dickinson St., Philadelphia, Pa.	.5
3CZ	Wheatley, Douglas N.	405 N. 32d St., Philadelphia, Pa.	.5
3MV	Whitaker, Lorenzo D.	937 14th St. SE., Washington, D. C.	.5
3DG	White, Norman P.	19 General Greene Ave., Trenton, N. J.	.5
3EN	Whitney, Lucien S.	624 Quincy St. NW., Washington, D. C.	.5
3OX	Wick, Arthur	2106 S. Percy St., Philadelphia, Pa.	.5
3NJ	Wicks, Preston S.	2206 Ruskin Ave., Baltimore, Md.	1.0
3ARO	Wight, Donald M.	1620 29th St., Washington, D. C.	.5
3SI	Williams, Harvey	3523 N. 18th St., Philadelphia, Pa.	.5
3IP	Williamson, Charles M., Jr.	Hampton, Va.	.5
3AKD	Williamson, Robert M.	4701 Pulaski Ave., Philadelphia, Pa.	.5
3BU	Wilson, Arthur J.	35 S. 45th St., Philadelphia, Pa.	.5
3AKO	Wilson, Roy	30th and Locust Sts., Wilmington, Del.	.5
3IV	Wilson, Willard S.	705 Adams St., Wilmington, Del.	.5
3BZ	Winters, Ralph N.	404 Pearl St., Camden, N. J.	.5
3HA	Wiseman, Luther B.	330 W. St. NW., Washington, D. C.	.5
3BR	Witty, Gustav	1608 W. Allegheny St., Philadelphia, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
3WE	Wohlford, John F.	404 Elm Ave. SW., Roanoke, Va.	0.5
3AAH	Wohlsein, Richard	430 W. Orange St., Lancaster, Pa.	.5
3JD	Wolcott, Roger G.	224 41st St., Norfolk, Va.	.5
3BS	Wolff, William J.	2422 S. Iseminger St., Philadelphia, Pa.	.5
3GR	Wood, Richard M.	Keyworth Ave. and Park Heights, Baltimore, Md.	1.0
3WG	Worley, Robert A.	940 Carteret Ave., Trenton, N. J.	.5
3AGH	Wright, Ervin T.	58 Broad St., Salem, N. J.	.5
3AAZ	Wright, S. Joseph	924 Spruce St., Philadelphia, Pa.	.5
3AFL	Wynkoop, John E.	4316 Chestnut St., Philadelphia, Pa.	.5
3AIO	Wynkoop, John E.	Philadelphia, Pa. (portable station)	.5
3RS	Yearley, Clifton K.	Garrison and Fernhill Aves., Baltimore, Md.	.5
3WT	Young, Walter T.	521 Leibert St., Bethlehem, Pa.	.5
3AKF	Young Men's Christian Association (Central Branch).	1421 Arch St., Philadelphia, Pa.	.5
3HZ	Zabel, Leroy E.	100 Glenside Ave., Glenside, Pa.	.5
3IG	Zabel, Leroy E.	156 Lismore Ave., Glenside, Pa.	1.0
3NA	Zang, Joseph A., jr.	3701 Fairmount Ave., Philadelphia, Pa.	.5
3ATO	Zang, Frederick A.	469 Rutherford St., Trenton, N. J.	.5
3AMR	Ziegler, Lewis D., 3d	5101 Pulaski Ave., Philadelphia, Pa.	.5
3ANP	Zimmerman, Harry F.	7 24th St., Wilmington, Del.	.5
3LS	Zito, Vincent.	213 N. Gay St., Baltimore, Md.	.5
3PB	Zorger, Daniel H.	409 Helker St., Harrisburg, Pa.	1.0

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
3AA	Ashmore, John W.	3ADT	Hastings, Harris	3AGF	Barkley, J. A.
3AAB	Lansford, W. R.	3ADW	Walker, Orville R.	3AGH	Wright, Ervin T.
3AAC	Swartz, French V.	3AE	Snyder, Edwin H., jr.	3AGI	Beck, Rodney M.
3AAD	Longfellow, Charles F., jr.	3AEA	Craigie, Stuart M.	3AGK	Nichols, Jack and William F.
3AAE	Lesky, William	3AED	Haslett, Harold D.	3AGL	Sweger, Monroe J.
3AAF	Brudenell, Norman	3AEF	Beldelman, Harry A.	3AGN	Miller, Paul F.
3AAG	Carroll, Louis, jr.	3AEG	Schmidt, G. Ambrose.	3AGP	Blanford, Irving I.
3AAH	Wohlsein, Richard.	3AEH	Knoll, Lloyd M.	3AGR	Musante, Augustine F.
3AAI	Blake, John M.	3AEI	Thomas, David.	3AGS	Michaels, A. G.
3AAJ	Blair, Drewry.	3AEK	Lewis, J. A.	3AGT	Greish, Harold.
3AAK	Hopkins, James R.	3AEL	Pollard, R. Spottswood.	3AH	Treide, Carl L.
3AAL	Lewis, John B.	3AEM	Booz, W. N.	3AHA	Carlisle, John F.
3AAM	Russo, Ernest.	3AEN	Holstein, Hubert.	3AHE	Lazarus, Sanford S.
3AAN	Nicholls, Verne.	3AEO	Pottorff, Russell.	3AHF	Martin, Justus L.
3AAO	Klock, Victor J.	3AEP	Rau, James F.	3AHI	Giles, Larkin.
3AAP	Roehm, John.	3AER	Weber, James N.	3AIH	Houck, Harry W.
3AAR	Lum, Robert B.	3AES	Sherwood, John R., jr.	3AII	Morris, W. J., jr.
3AAS	Rudrow, Robert.	3AET	Horner, George E.	3AIJ	Phillips, Charles E.
3AAT	Wegner, Edwin.	3AEW	Dicks, G. C.	3AIO	Dunn, John M.
3AAU	Faulstich, Chester W.	3AF	West, William M.	3AIP	Chesser, Page P. A.
3AAV	Bechler, Wm. C., jr.	3AFA	Weber, Charles W.	3AHR	Tolbert, Warren B. and Welk, Chas. F.
3AAW	Walthall, John H.	3AFD	Phillips, William G.	3AHS	Brown, Edwn H.
3AAX	Hicks, Thomas R.	3AFE	Somers, Lewis S., jr.	3AHT	Deavers, W. R.
3AAY	Wagner, Laurence E.	3AFG	Rile, Joseph C.	3AHW	Leigh, Walter S.
3AAZ	Wright, S. Joseph.	3AFH	Fliegel, William M.	3AI	Mohr, Paul D.
3AB	Carroll, Roy C.	3AFI	Backe, Louis M., jr.	3AIA	Cocklin, Foster W.
3AC	Miller, Alfred H.	3AFK	Lohr, Allen W.	3AIB	Atkinson, T. Howard.
3ADA	Bott, James M.	3AFL	Wynkoop, John E.	3AID	Rovins, Theodore.
3ADE	Layton, Howard H.	3AFM	Weidman, Marshall D.	3AIE	Kelm, Jonathan D.
3ADF	Harrell, Leonard B.	3AFN	Lippincott, Bertram.	3AIF	Gluck, Earle.
3ADG	Roehm, Sewall.	3AFO	Huddy, James J., jr.	3AIG	Hale, Charles W.
3ADH	Reed, Charles J., jr.	3AFP	Noble, Christopher.	3AIH	Smith, Alfred L.
3ADI	Imfeld, Fred H.	3AFR	Thomas, Fred S., jr.	3AIL	Wallace, M. Edgar.
3ADK	Skiles, John D., jr.	3AFS	Rieser, George, jr.	3AIM	Sharp, Lewis W.
3ADL	Ellis, Edmund K.	3AFT	Webster, Harold S.	3AIN	Liddell, Harry M.
3ADM	Prescott, Henry E.	3AFW	Schimpf, Henry L.	3AIO	Wynkoop, John E.
3ADN	Quaintance, Leland C.	3AG	Weant, Clarence H.	3AIP	Tranor, Harry W.
3ADO	Coombs, John S.	3AGA	Weikel, J. H.	3AIR	Besumont, Robert H.
3ADP	Reed & Weigel.	3AGD	Westlake, Harry T.	3AIS	McClanen, Wilson T.
3ADR	Endress, John.	3AGE	Hemphill, William J., jr.	3AIT	Roland, Penn R.
3ADS	McAllister, Louis E.				

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
3AIU	Schlumpf, Henry L.	3ARA	Shaw, F. Russell.	3BQ	Eller, George O.
3AIV	Mastin, Marion G.	3ARD	Brantigan, H. G.	3BR	Witty, Gustav.
3AIW	Chadwick, Eric.	3ARE	Cullin, Ernest N.	3BS	Wolf, William J.
3AIY	Tuck, Wilbur A.	3ARF	Beck, Page M.	3BT	Philadelphia School of Wireless Telegraphy.
3AJ	Bausman, George H.	3ARG	Kelley, Ray F.	3BU	Wilson, Arthur J.
3AK	Duvall, Edward B.	3ARH	Drexel Radio Club.	3BV	Watson, Paul G.
3AKA	Moore, James P.	3ARI	Gillen, John J.	3BW	Campbell, John W.
3AKD	Williamson, Robt. M.	3ARK	Radio Association of Maryland.	3BY	Patterson, Edward B.
3AKE	Enslin, L. R.	3ARL	Belt, William B.	3BZ	Winters, Ralph N.
3AKF	Central Y. M. C. A.	3ARM	Flumerfelt, E. C.	3CA	Adelberger, Adrian J.
3AKG	Basford, R. F.	3ARN	Hunt, H. Lester.	3CB	Moore, Earl T.
3AKH	Greenfield, R. H.	3ARO	Wight, Donald M.	3CC	Biddle, Howard L., Jr.
3AKI	Eisenhard, Stanley E.	3ARP	Hunter, H. Clifford.	3CE	Upman, Edgar A.
3AKK	Dobrow, George W.	3ARS	McNair, William D.	3CF	Leafer, Creston F.
3AKM	Goldstein, William.	3ART	Harvey, Walter E.	3CG	Pauly, Robert.
3AKN	Lewis, Max J.	3ARW	Beaston, Frank W., Jr.	3CH	Ferris, Malcolm.
3AKO	Wilson, Roy.	3AS	Stumptner, Albert G.	3CI	Cook, Howell E.
3AKP	Bargelt, R. L.	3ASA	Milner, Robert D.	3CJ	Imfeld, Fred H.
3AKR	Phillips, Raymond B.	3ASB	Damon, L. R.	3CK	Baer, Francis M.
3AKS	Smith, Harry F.	3ASE	Channell, John W.	3CL	Coleman, Walter V.
3AKT	Eisenhaner, Harry D.	3ASF	Blaess, George.	3CM	Van Horn, J. Clunn.
3AKW	Raid, James G.	3ASG	McKnett, Robert R.	3CN	Ashton, Leon W.
3AL	Guenzel, Herman A.	3ASH	Snappe, Edwin A.	3CO	Campbell, James S.
3AM	Majer, Carl T.	3ASI	Marts, Harvey.	3CP	Bunting, George M., Jr.
3AMA	Fow, Oscar A.	3ASK	Jordan, P. A., Jr.	3CQ	Finger, Russell W.
3AMD	Hart, Robert M.	3ASL	Tallmadge, R. H.	3CR	Ellis, William G.
3AME	Ensor, John B.	3ASM	Britt, C. J.	3CS	Baker, Harold Z.
3AMF	Beekman, Robert L.	3ASN	Minnick, Otis.	3CT	Nassau, James A.
3AMG	Gains, G. A.	3ASO	University of Pennsylvania.	3CU	Gauss, Harry W.
3AMH	Sanders, Cecil W.	3ASP	Lewis, John C., Jr.	3CW	Lange, J. Robert.
3AMI	Brineshulls, Ralph.	3ASR	Hanf, Joseph C., Jr.	3CX	Parichy, Emery.
3AMK	Abdell, George S.	3AST	Brown, William.	3CY	Biser, Mark.
3AML	Wessells, W. Thomas.	3ASU	Blum, William.	3CZ	Wheatley, Douglas N.
3AMN	Bakley, F. W.	3ASV	Lewis, J. Arthur.	3DA	Peterson, Raymond E.
3AMO	Linthicum, Robt. E.	3ASW	Hammel, W. C.	3DB	Perry, Willard P., Jr.
3AMP	Holloway, Jack.	3AT	Philadelphia School of Wireless Telegraphy.	3DC	Bergen, Donald M.
3AMR	Ziegler, Lewis D.	3ATA	Brubaker, John W.	3DD	Bailey, William J., Jr.
3AMS	Brandt, Bruce C.	3ATD	Helst, LeRoy E.	3DE	Chism, Thomas A.
3AMT	Brown, Raymond H.	3ATE	Tuttle, Norris.	3DF	Blackway, Ladue M.
3AMW	Townsend, Lloyd.	3ATF	Hodges, Thomas L.	3DG	White, Norman P.
3AN	Walsh, Maurice L.	3ATG	Gunnere, John F.	3DH	Stahl, Harry E., Jr.
3ANA	Miller, Marvin V.	3ATH	George, John R.	3DI	Lowell, Percival D.
3ANB	Schoble, Ralph.	3ATI	Bayne, C. A.	3DJ	McCarte, William F.
3AND	Casey, Howard.	3ATK	Vlessman, Warren.	3DK	Richardson, Thomas L.
3ANE	Silberberger, Fred E.	3ATL	Michael, Albert.	3DL	Krels, William J.
3ANF	Grier, G. M.	3ATM	Morgan, Joseph, Jr.	3DM	Page, John C.
3ANG	Shermer, F. C.	3ATN	Briscoe, James.	3DN	Bertolet, Benjamin.
3ANH	Swartzkopf, Walter K.	3ATO	Zapp, Fred A.	3DO	Maxson, Donald L.
3ANL	Chambers, Ivan F.	3ATP	Onens, Clarence E.	3DP	McDonald, Lester B.
3ANM	Brobley, George T., Jr.	3AU	Jewett, Richd. W. D.	3DQ	Smith, G. Victor.
3ANO	Henneberger, Hubert A.	3AV	Gerns, William H., Jr.	3DR	Eyster, James A.
3ANP	Zimmerman, Harry.	3AW	Ely, Harry S.	3DU	Louchheim, William S.
3ANR	Sinkinson, Wm. R.	3AX	Arner, Oscar Q.	3DV	Uphoff, Frank B.
3ANS	Stacks, Thomas D.	3AY	Gaskins, Richard W.	3DW	Hermanns, A. Walter.
3ANT	Martin, George C.	3AZ	Gillingham, George L., Jr.	3DY	Lynn, Thomas H.
3ANW	Burkhardt, Horace C.	3BA	Carrington, Roland.	3DZ	Fisher, Roy S.
3AO	Collier, Wilbur H.	3BB	Kralovec, Dalbor.	3EB	La Salle College.
3AOD	McIver, Renwick S.	3BC	Stephen, C. Chester.	3EC	Thomson, Henry A.
3AOE	Davis, Lewis V.	3BD	Smith, Alan P.	3ED	Legg, Albert A.
3AOF	Stiles, Ralph J.	3BE	Critchlow, P. Davey.	3EE	Nikirk, Thomas E.
3AOG	Shoemaker, Joseph L.	3BF	Richter, Harry A.	3EF	Reiff, W. Norman.
3AOH	Shaffer, Sylvester.	3BG	Clark, Edwin T.	3EH	Powell, Edwin L.
3AOI	Coblentz, Phillip O.	3BH	Flather, Bryan S.	3EI	Kimber, Kelvin C.
3AOK	Kenyon, Walter R.	3BI	Feller, Frederick W.	3EJ	Primrose, Donald L.
3AOL	Kienast, J.	3BJ	Sheriff, Leslie M.	3EK	Moore, Daniel D.
3AOM	O'Brien, Francis J.	3BK	Bryce, Stanley C.	3EL	Fricke, Henry W. L.
3AON	Strang, Harry L.	3BL	Besch, Harry L.	3EM	Heyser, Wilbur A.
3AOP	Gilbert, C. W.	3BM	Allen, George Y.		
3AOR	Lister, R. W.	3BO	Brady, John B.		
3AOT	Ratcliffe, W. E.	3BP	Blackwood, George C.		
3AOW	Roethlinger, Chas. H.				
3AP	Scheetz, Edwin F.				
3AQ	Hogan, Harold O.				
3AR	Gilpin, Levering H.				

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
3EN	Whitney, Lucien S.	3IA	Mahlmeister, E. J., jr.	3LI	Heck, Lewis O.
3EO	Bookins, John M., jr.	3IB	Sherrill, Arthur M.	3LJ	Anderson, Joseph L.
3EP	Kennedy, Joseph H.	3IC	Dingee, Alex. L. M.	3LL	Schaff, Merle S.
3EQ	MacKendrick, Robert G.	3ID	Hasenfus, Joseph F.	3LM	Hernandez, Roger B.
3ES	Martin, E. Linton.	3IF	Godfrey, Earle.	3LN	Doyle, John E.
3ET	Alber, Robert C.	3IG	Zabel, Roy E.	3LO	Godfrey, Clarence M.
3EU	Shelley, F. Cheston.	3IH	Eisele, Edward, jr.	3LP	Densham, Harry W.
3EV	Brannan, Julian L.	3II	Gleisner, Francis W.	3LQ	Birch, Stanford S.
3EX	Gray, K. F.	3IJ	Stockton, William.	3LR	Zito, Vincent.
3EY	McIntyre, William.	3IK	Snyder, Harry H.	3LT	Dunbar, Lewis T.
3FA	Devis, Edwin L.	3II.	Pawson, James M.	3LU	Ellis, J. Elton.
3FB	Darby, George B., jr.	3IM	Behan, Arthur R.	3LV	Pademshki, Paul.
3FC	Welk, Charles F.	3IO	Morgan, Joseph.	3LW	Waite, John W.
3FD	Simon, Walter.	3IP	Williamson, Charles M., jr.	3LX	Geiglein, Henry S.
3FF	Dempster, Warren J.	3IQ	Knoll, Lloyd M.	3LY	Harris, William J.
3FG	Godfrey, James M.	3IS	Hartley, Milton E.	3LZ	McCullough, Earl N.
3FH	Smith, Sewell P.	3IT	Stritzel, Alfred H.	3MA	Bacon, Harry.
3FI	Wever, John A.	3IU	Silver, Paul.	3MC	Pillsbury, Martin K.
3FJ	Kewies, Edward P., jr.	3IV	Fisher, John.	3MD	Dulany, Franklin R.
3FL	Pearson, Roland D.	3IX	Field, Harry P.	3ME	Lamdin, Charles R.
3FM	Channell, John W.	3IY	Tolbert, Warren B.	3MF	Hitchner, Clyde G.
3FN	Delchmiller, Alvin.	3JA	Presbrey, Victor.	3MG	Mervine, Watson M.
3FQ	Clark, William R.	3JB	Pettit, Ernest L.	3MH	Markham, Lester M.
3FR	Densten, E. Craig.	3JC	Ault, Arthur K.	3MI	Nash, Clifford S.
3FT	Bisciotti, Bernard J.	3JD	Wolcott, Roger G.	3MJ	Megowen, Horace L.
3FV	Edwards, Charles.	3JE	Dickerson, E. Stuart, jr.	3MK	Griscom, Samuel E.
3FW	Strallman, Gilbert T.	3JF	Apfelbaum, Martin.	3ML	Morris, Maynard C.
3FY	Devlin, John L.	3JH	Brockman, Francis C.	3MM	King, Albert.
3GA	Dietz, Fred.	3JK	Schnable, Stanley E.	3MN	Rollins, Thomas E.
3GB	Rohrich, George J.	3JL	McCaskey, Edward R.	3MO	Bickel, E. Clifton.
3GD	Sener, Charles E., jr.	3JN	Frankenfeld, Albert L.	3MP	Cohen, Henry.
3GE	Nadig, Stanton E.	3JP	Rowe, Charles R.	3MQ	Ridgway, Augustin K.
3GF	Bryce, Stanley C.	3JR	Snow, Harold A.	3MR	Mandelkern, Maurice.
3GG	Moor, Percy W.	3JS	Beekley, Francis S.	3MS	Barnhart, Lawrence W.
3GI	Pelham, Fred B.	3JT	Hampson, George M.	3MT	Gardner, William.
3GJ	Doughty, William R.	3JU	Fenimore, Robert S.	3MU	Bally, William J., jr.
3GK	Troth, Raymond H.	3JV	Gardner, J. A.	3MV	Whitaker, Lorenzo D.
3GL	Meck, Michael.	3JX	Hosagland, Donald.	3MW	Poalk, James L., jr.
3GN	Board of Public Education.	3JY	Hann, Charles B.	3MY	Moyer, Edgar F.
3GO	Norcross, Earl L.	3JZ	Goodling, D. H.	3MZ	Jodry, Ray S.
3GP	Hettinger, Alfred C.	3KA	Smith, Norborne G.	3NA	Zang, Joseph R., jr.
3GQ	Miller, Kelly.	3KB	Goodall, Alfred B.	3NB	Frye, Marcus, jr.
3GR	Wood, Richard M.	3KC	Flynn, Thomas F.	3NC	Dalling, Howard.
3GS	Morris, George M.	3KD	Noel, James F.	3ND	Hirst, Arthur C.
3GU	Hopkins, Robert E.	3KE	Burbaker, John W.	3NE	Walton, Brewer G.
3GV	Leber, Joseph M.	3KF	Burbaker, John W.	3NF	Gaskill, William W.
3GW	Schaffer, Raymond C. H.	3KG	Patterson, John E.	3NG	Raser, Edward G.
3GX	Robinson, George C.	3KH	Don Bosco Institute.	3NH	Bierfreund, Max A.
3GY	Swinney, Walter, jr.	3KI	Stanley, John S.	3NI	Bell, Albert A., jr.
3GZ	Backe, Louis M., jr.	3KK	Hofmann, George A.	3NJ	Wicks, Preston S.
3HA	Wiseman, Luther B.	3KL	Wagner, William H.	3NK	Godfrey, Howard L.
3HB	Taylor, Sidney L. M.	3KM	Gray, Gerald.	3NL	Behm, L. F. F.
3HC	Green, Daniel J.	3KN	Barr, Richard H.	3NM	Haldeman, George E.
3HD	Haake, William F.	3KO	Chalmers, Edwin L.	3NN	Wallen, Francis B.
3HF	Weiss, Simon.	3KP	McKinley, Richard S., jr.	3NO	Sleath, Robert W.
3HG	Smith, W. P.	3KQ	Wexler, Bernard.	3NP	Jones, La Frantz.
3HH	Place, Samuel W.	3KR	Anderson, Richard J.	3NQ	Morley, Augustin H.
3HI	Stapp, John W.	3KS	Bernhart, William.	3NR	Maul, Gilbert E.
3HJ	Bradley, Horace E.	3KT	Elder, L. W.	3NS	Parker, Joseph P.
3HK	Stokes, Josiah T.	3KU	Reynolds, Edwin L.	3NT	Melton, J. Carroll.
3HL	Nielsen, Harald, jr.	3KW	Mehring, Charles J.	3NU	Ranft, William Q.
3HN	Schuck, Leon H.	3KX	Knight, G. Webber, jr.	3NV	Robey, V. C. K.
3HP	Sheetz, George F.	3KZ	Roberts, Harold A.	3NW	Burke, Thomas J.
3HR	Harmer, Robert H.	3LA	Levin, Davis.	3NX	Heintzelman, Walter.
3HS	Murray, Eugene M.	3LB	Iddings, Frederick T.	3NY	Lutz, J. M.
3HT	Falkenberg, August E.	3LC	Jones, Winters.	3NZ	Brannin, Manliff L.
3HU	Walton, Brewer G.	3LD	Pisani, Sylvester.	3OA	Lentz, Arthur.
3HV	Leibhart, John H.	3LE	Samaha, Frank.	3OB	Kennedy, Ignatius L.
3HW	Lidwell, George L.	3LF	Shreiner, Carl H.	3OC	Wegner, Arthur H.
3HY	Derr, Francis S.	3LG	Lyons, Harry H.	3OD	Hall, Leroy.
3HZ	Zabel, Roy.	3LH	Weiss, Leonard.	3OE	Mooney, John, jr.
				3OF	Talbot, George L.
				3OG	Jones, John W.
				3OH	Urian, J. D.

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
3OI	Lehmberg, Henry.	3RD	Dimling, Rudolph G. A.	3UA	Gilbert, Harry P., Jr.
3OJ	Barron, John H., jr.	3RE	Longaker, A.	3UB	Lamb, Roland H.
3OK	Palne, J. Persons, jr.	3RF	Wallace, William D.	3UD	Silvers, Frank H.
3OL	Grant, Arthur F.	3RH	Kilne, H. N. Gay.	3UE	Cianbauer, Edgar.
3OM	Mooney, John, jr.	3RI	Hodges, R. E. L.	3UF	Howlett, Joseph T. F.
3ON	Mates, Walter A.	3RJ	Oppermann, Richard.	3UG	Dearden, Rowland R., 3d.
3OO	Hindin, Louis N.	3RK	Mecaslin, Harry B.	3UH	Rivers, William L.
3OP	Fink, Louis, 3d.	3RM	Phillips, John D.	3UI	George, John R.
3OQ	Welke, Paul L., jr.	3RN	Ramsey, Howard N.	3UJ	Campbell, James D.
3OR	Walker, Donald K.	3RO	Gravelly, William T.	3UK	Peyser, Philip S.
3OB	Lafferty, Francis A.	3RP	Kirby, Elmer S.	3UM	Durham, Edmund B.
3OT	Faust, Elmer J.	3RQ	Haas, Jerome S.	3UN	Carpenter, C. Ellwood, jr.
3OU	Schwering, Harry C., jr.	3RR	Roeller, Harold C.	3UR	Cohan, William W.
3OV	Jacoby, Arthur C.	3RS	Yearley, Clifton K.	3UT	Cianfrani, Theodore.
3OW	Patchel, Robert E.	3RT	Sherry, Edward S.	3UV	Ross, John W.
3OX	Wick, Arthur.	3RU	Hoff, J. Marshall.	3UW	Call, J. Richard.
3OY	Muller, Ralph H.	3RV	Hammill, McClintock, jr.	3UZ	Bradwood, Thomas W.
3OZ	Twine, Roy.	3RW	Redgrave, de Witt C.		
3PA	Schlichting, E. N. E.	3RX	Busker, Albert F.	3VA	Durham, Wilson N.
3PB	Zorger, Daniel H., jr.	3RY	Turner, Morris C., jr.	3VB	Butt, Harvey R.
3PD	Meyer, Emil J.	3RZ	Barrett, Montague W.	3VC	Rancetelli, Ernani.
3PE	Allen, John P.			3VE	Brenner, Samuel.
3PF	Postpichal, Otto L.	3SA	Requa, Fred A.	3VF	Tompkins, E. Randolph.
3PG	Dorsey, Arthur.	3SC	Ecton, Albert F.	3VG	Applegate, Franklin.
3PH	Harris, Edwin R.	3SD	Cheltenham High School.	3VH	Ancona, Fred.
3PI	Atlee, Franklin.	3SF	Peter, Armistead, 3d.	3VI	Egner, John.
3PJ	Harris, S. Sylvan.	3SG	Speakman, Edwin G., jr.	3VK	Griffith, Dorsey J.
3PK	McGear, Herbert K.	3SH	Kenyon, Walter R.	3VL	Beresstein & Rosenfeld.
3PL	Ballentine, Charles S.	3SI	Williams, Harvey.	3VN	Ways, Clarence I.
3PN	Pemberton, Henry R.	3SJ	McIntosh, Howard.	3VO	Schall, John R.
3PP	Skinner, William H.	3SK	Baxley, C. Herbert.	3VP	Rothman, Charles.
3PR	Hamburg, Russell.	3SL	Knoppel, Herman L.	3VQ	Uphoff, Frank B.
3PT	Cresager, E. Clark.	3SN	Bourgeois, Edmund R.	3VR	McVicker, W. Patton.
3PU	Smith, Hubert B.	3SO	Bradshaw, R. B.	3VU	Nikirk, Thomas E.
3PV	Hlestand, Benjamin.	3SQ	Kupp, Clarence L.	3VV	Rose, Harold M.
3PW	Philadelphia School of Wireless Telegraphy.	3SR	Anderson, John A.	3VW	Uphoff, Frank B.
3PX	Howard, H. Trumbull.	3SS	Brany, Emil B.	3VX	Flounders, Newton.
3PY	Bergey, H. Leon.	3ST	Chappell, Ralph R.	3VY	Beresford, Rees H.
3PZ	Griffith, Elmer G.	3SU	Seeley, Alfred J.	3VZ	Orlando, Frank.
3QA	Stevens, Lewis D.	3SV	King, Charles E.		
3QB	Derbyshire, A. George W.	3SW	Barnard, Julian W.	3WC	Ort, O. V.
3QC	Lever, Haseltine S., jr.	3SX	Gieske, Alfred W., jr.	3WD	Moyer, Luke I.
3QD	Anderson, Frederick J.	3SY	Barretta, Valroy S.	3WE	Wohlford, John F.
3QE	Long, P. H.	3SZ	Herndon, Landon C.	3WF	Huyler, Rollin M.
3QF	Haig, James D.	3TA	Piper, S. Webster.	3WG	Worley, Robert A.
3QG	Lands, Harold O.	3TB	Judson, Elbert B.	3WH	Berkeley, Kenneth H.
3QI	Poole, G. D.	3TC	Lands, Harry.	3WI	Darnell, Henry, jr.
3QJ	Adams, Leslie H.	3TD	Miller, Harry G.	3WJ	Alden, John H.
3QK	Tapley, Robert E.	3TE	Huyette, Paul B.	3WK	Shannon, Frank.
3QL	Varnes, Earl W.	3TF	Thorborg, Martin E.	3WL	Davis, Raymond.
3QN	Atlee, Charles F.	3TG	Murphy, Clement H.	3WM	Cioman, William.
3QO	McCloskey, Leonard.	3TH	Tabb, Vincent W.	3WN	Gaty, John P.
3QP	Fulton, Harold E.	3TI	Nichols, Crawford V.	3WO	Goodwin, Harold F.
3QQ	Cassady, Park H.	3TJ	Edson, Howard D.	3WP	Cox, T. Newell.
3QT	Bayard, Arnold.	3TK	Savage, Thomas A.	3WQ	Lower Marion High School.
3QU	Delchmann, George L., jr.	3TL	Bowes, Joseph J.	3WR	Pyle, W. A. Faries.
3QV	Hall, Robert S.	3TM	Rash, Franklin L.	3WT	Young, Walter T.
3QW	Harsch, Lawrence P.	3TP	Brittingham, Ottis B.	3WX	Kressel, Gordon.
3QX	Barrington, Roger W.	3TQ	Andrews, Edward C.	3WU	Hecker, Frank F.
3QY	Stewart Electric Co.	3TR	Fell, David B.	3WW	Keller, Paul A.
3QZ	Service, Charles A., jr.	3TS	Mandeville, Francis T.	3WX	Goebel, Eugene S.
3RA	Messinger, Miles N.	3TU	McAnally, Charles C.	3WY	Basford, Robert F.
3RB	Lewis, Ellis, jr.	3TV	Blanford, Irving.	3WZ	Keller, Kenneth W.
3RC	Fenton, Edward T.	3TW	Leslie, Malcolm C.		
		3TX	Philadelphia Turn-gemeinde Club.		
		3TY	Krone, Julian E.		

AMATEUR RADIO STATIONS—Continued.

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.
4AN	Agnew, Robert D.	219 E. Anderson St., Savannah, Ga.	Kw. 0.5
4CU	Allen, Glenn L.	St. Petersburg, Fla.	.5
4CB	Allston, William F.	8 Colonial St., Charleston, S. C.	.5
4CZ	Ashley, Robert C.	738 4th Ave. N., St. Petersburg, Fla.	1.0
4DJ	Atkins, Charles A.	27 Candler St., Atlanta, Ga.	.5
4BA	Avant, Marion C.	806 N. 4th St., Wilmington, N. C.	.5
4BZ	Barber, Edward D.	203 St. Andrews St., Dothan, Ala.	.5
4DX	Benning, Broughton W.	50 Whiteford Ave., Atlanta, Ga.	.5
4CQ	Blankenship, Elliott E.	803 W. Monroe St., Jacksonville, Fla.	.5
4DR	Brantley, Lewis B.	534 5th St. N., St. Petersburg, Fla.	.5
4CX	Breck, Charles.	50 Logan Ave., Atlanta, Ga.	.5
4CC	Breden, Henry W.	1304 Myrtle Ave., Jacksonville, Fla.	1.0
4BQ	Bryan, E. Harry.	343 Rowland Court, St. Petersburg, Fla.	.5
4CS	Buck, C. Howard.	St. Petersburg, Fla.	.5
4CI	Carr, John M.	821 1st Ave. N., St. Petersburg, Fla.	.5
4DH	Church, Archie W.	196 Chappel St., Atlanta, Ga.	1.0
4CK	Clodfelter, Charles W.	41 S. Pleasant St., Winston-Salem, N. C.	1.0
4DU	Coloney, Paul R.	1404 Braden St., Bradentown, Fla.	.5
4DT	Cole, Edwin A.	806 South Dakota St., Tampa, Fla.	.5
4CE	Conn, Albert L.	75 4th Ave. N., St. Petersburg, Fla.	.5
4CY	Cooper, Frank P.	717 S. Edison St., Tampa, Fla.	.5
4BN	Cross, K. E.	Port Tampa, Fla.	.5
4BF	Dane, Seymour.	1440 13th St., Miami, Fla.	.5
4AE	Davis, Loren V.	St. Petersburg, Fla.	.5
4AM	de Vore, Ross Allen.	10 Essie St., Atlanta, Ga.	.5
4ED	Dobbins, Walter E.	230 Ponce de Leon Ave., Atlanta, Ga.	.5
4AZ	Dunk, Thomas R.	1424 Laura St., Jacksonville, Fla.	1.0
4DS	Edwards, W. Leroy.	32 Prospect Pl., Atlanta, Ga.	.5
4CD	Elston, Esmond B.	227 5th St., S., St. Petersburg, Fla.	.5
4DD	Emory University.	Oxford, Ga.	1.0
4CN	Falks, Robert L.	87 Mary St., Waycross, Ga.	.5
4EB	Farrey, Owen J.	Nazareth, N. C.	.5
4AJ	Featherston, Joe A.	Honea Path, S. C.	1.0
4DL	Flowers, Robert B.	296 Rawson St., Atlanta, Ga.	.5
4DA	Fogarty, John J.	707 Azeele St., Tampa, Fla.	1.0
4CM	French, William A., 3d.	107 S. 4th St., Wilmington, N. C.	.5
4DM	Gerlach, Harry J.	22 Ormewood Ave., Atlanta, Ga.	1.0
4AI	Gibson, Isaac A., jr.	403 E. Bolton St., Savannah, Ga.	.5
4AX	Gordon, Clarence M.	Palmer College, De Funiak Springs, Fla.	1.0
4CP	Guimaraes, Abilio S.	298 Highland Ave., Atlanta, Ga.	.5
4AT	Hall, Marvin S.	687 N. Boulevard, Atlanta, Ga.	.5
4BR	Hamilton, George H.	209 W. Gordon St., Savannah, Ga.	.5
4DG	Hawkins, Marion.	14 Richmond Ave., Atlanta, Ga.	1.0
4DN	Hege, William C.	1007 Patterson Ave., Winston-Salem, N. C.	1.0
4BS	Henshaw, Howard.	Miami, Fla.	.5
4CG	Holtzclaw, Ralph C.	Roseland, Fla.	.5
4CO	Howald, George A.	Decatur, Ga.	.5
4EA	Huggins, William C.	7 S. 4th St., Wilmington, N. C.	.5
4AF	Humphrey, Arthur L.	1105 Market St., Wilmington, N. C.	.5
4BI	James, F. Leslie.	211 Lee St., Tampa, Fla.	.5
4DF	Johnstone, Henry P.	106 S. Edison Ave., Tampa, Fla.	.5
4CF	Keen, David W.	117 5th St., St. Petersburg, Fla.	.5
4CR	Keiger, J. Lee.	1140 Balsley St., Winston-Salem, N. C.	.5
4BI	Kreis, Joseph W., jr.	655 S. Pryor St., Atlanta, Ga.	.5
4AL	Kruger, Charles E.	11 Bates Ave., Kirkwood, Ga.	.5
4BR	Leonard, Rudolph.	209 W. Gordon St., Savannah, Ga.	.5
4DB	Lesley, John L.	114 Hyde Park Pl., Tampa, Fla.	.5
4EF	Linville, Roy R.	646 13th St., Winston-Salem, N. C.	.5
4AS	Marmelstein, Charles A.	1319 Barnard St., Savannah, Ga.	.5
4AG	Marsh, William A.	R. F. D. No. 1, Miami, Fla.	.5
4BL	Matheson, Hugh M.	Key Biscayne, Fla.	.5
4AU	Matheson, Hugh M.	Cocoanut Grove, Fla.	.5
4CT	Mellvaine, Victor C.	208 Verne St., Tampa, Fla.	.5
4BO	Megee, Benjamin R.	63 Mansfield St., Atlanta, Ga.	1.0
4AB	Meltaer, Isador.	627 Margaret St., Key West, Fla.	.5
4CL	Merriam, Francis F.	College Park, Ga.	.5
4DE	Moore, Thomas H., jr.	321 N. Spring St., Pensacola, Fla.	.5
4CJ	Morgan, Sidney S.	1821 W. Broad St., Savannah, Ga.	.5
4DV	Nelson, Wayne M.	Kernersville, N. C.	.5
4BW	Newell, William F.	828 Fifth Ave. N., St. Petersburg, Fla.	.5
4DK	Patterson, Clifford F.	508 Vine St., Atlanta, Ga.	1.0
4DC	Peer, Emmitt E.	419 Duval St., Jacksonville, Fla.	1.0
4BD	Pinkston, Jeter, jr.	107 Gordon St., Valdosta, Ga.	1.0

AMATEUR RADIO STATIONS—Continued.

FOURTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
4AA	Pope, Wilbur B.	197 Dearing St., Athens, Ga.	Kw. 1.0
4BT	Powell, Dwight E.	715 E. Washington St., Orlando, Fla.	.5
4DY	Raffo, James H.	Bay Shore Blvd., Tampa, Fla.	.5
4AC	Rice, Elmer L.	1702 E. Duval St., Jacksonville, Fla.	1.0
4DI	Rothrock, William S.	517 Ridge Ave., Wluston-Salem, N. C.	1.0
4BV	Saeger, Raymond A.	Ankona, Fla.	.5
4AY	Sanders, Tye C.	239 Woodward Ave., Atlanta, Ga.	1.0
4BU	Santas, Vern F.	156 N. 2d St., St. Petersburg, Fla.	.5
4CA	Shahan, J. Hubert.	315 W. 5th St., Rome, Ga.	1.0
4EC	Shumate, John R., Jr.	600 Clay St., Thomasville, Ga.	1.0
4BK	Simons, Mayrant	Summerville, S. C.	1.0
4CH	Smith, Ivy H.	Covington, Ga.	.5
4AO	Smoot, Lloyd D.	1443 Laura St., Jacksonville, Fla.	1.0
4DO	Stalnaker, Leo	6th Ave. and 33d St., Tampa, Fla.	.5
4DZ	Stone, Hector A.	Lockhart, Fla.	.5
4EE	Stubbs, William P.	109 E. Gwinnett St., Savannah, Ga.	1.0
4AR	Summers, C. H., jr.	501 E. Main St., Gainesville, Fla.	.5
4DW	Swinson, Alton H.	Little River, Fla.	.5
4DQ	Tabb, Vincent W.	Little M. College, West Raleigh, N. C.	1.0
4CW	Taft, Robert B.	105 Rutledge Ave., Charleston, S. C.	.5
4AD	Walker, James E.	Milledgeville, Ga.	1.0
4AW	Wall, Patrick H.	258 Plant Ave., Tampa, Fla.	1.0
4DP	Warner, George C.	609 Swann Ave., Tampa, Fla.	1.0
4BQ	Watkins, C. E.	Fort Pierce, Fla.	1.0
4AG	West End Wireless Club.	105 Lawton St., Atlanta, Ga.	.5
4BP	Whitaker, A. Klein	210 Stanton St., Bradentown, Fla.	1.0
4AK	Whitting, Charles T.	R. F. D. No. 6, Gainesville, Fla.	1.0
4AP	Whittaker, Alan D., jr.	221 E. 10th St., Atlanta, Ga.	1.0
4BH	Wikle, James R.	619 S. Pryor St., Atlanta, Ga.	.5
4BM	Williams, Emory C.	Kirdwood, Ga.	1.0

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
4AA	Pope, Wilbur B.	4BP	Whitaker, A. Klein.	4DD	Emory University.
4AD	Walker, James E.	4BQ	Bryan, E. H.	4DE	Moore, Thomas H., jr.
4AE	Davis, Loren V.	4BR	Hamilton, Geo., and Leonard, Rudolph.	4DF	Johnstone, Harry.
4AF	Humphrey, Arthur L.	4BS	Henshaw, H.	4DG	Hawkins, Marion.
4AG	West End Wireless Club.	4BT	Powell, Dwight E.	4DH	Church, A. W.
4AH	Funk, Arthur.	4BU	Santas, Verne F.	4DI	Rothrock, William S.
4AI	Gibson, Isaac A., jr.	4BV	Saeger, Raymond.	4DJ	Atkins, C. A.
4AM	De Vore, Ross A.	4BW	Newell, William F.	4DK	Patterson, Clifford F.
4AN	Agnew, Robert D.	4BY	Herzog, M. A.	4DL	Flowers, Robert B.
4AP	Whittaker, Alan D., jr.	4BZ	Barber, Edward D.	4DM	Gerlach, H. J.
4AQ	Marsh, William A.	4CA	Shahan, J. H.	4DN	Hoge, William C.
4AR	Summers, C. H., jr.	4CB	Allston, William F.	4DO	Stalnaker Brothers.
4AS	Marmelstein, Chas. A., jr.	4CC	Breden, Henry.	4DP	Warner, George C., jr.
4AT	Hall, M. Sheppard.	4CD	Elston, E. B.	4DQ	Tabb, Vincent W.
4AU	Matheson, Hugh M.	4CE	Conn, Albert L.	4DR	Brantley, Lewis.
4AX	Gordon, Clarence M.	4CF	Keen, David.	4DS	Edwards, Le Roy.
4AY	Sanders, Tye C.	4CG	Holtzclas, Ralph C.	4DT	Cole, E. A., jr.
4BA	Avant, M. C.	4CH	Smith, I. H.	4DU	Coloney, Paul R.
4BC	Franklin, William.	4CI	Carr, J. M.	4DV	Nelson, Wayne M.
4BD	Pinkston, J. W., jr.	4CK	Clodfelter, C. U.	4DW	Swinson, Harold.
4BF	Dene, Seymour.	4CL	Merriam, F. F.	4DX	Benning, B. W.
4BG	Watkins, C. E.	4CN	Folks, Robert L.	4DY	Raffo, James.
4BH	Wikle, James.	4CW	Taft, R.	4DZ	Stone, Hector A.
4BI	James, F. Leslie.	4CX	Breck, Charles.	4EA	Huggins, William C.
4BK	Simons, Mayrant.	4CY	Cooper, E. P.	4EB	Farrey, Owen J.
4BL	Matheson, Hugh M.	4CZ	Ashley, Robert C.	4EC	Shumate, J. R., jr.
4BM	Williams, Emory C.	4DA	Fogarty, John J.	4ED	Dobbins, W. E., jr.
4BO	Megee, B. R.	4DB	Lesley, J. Livingston.	4EE	Stubbs, William P.
		4DC	Peer, Emmitt E.	4EF	Linville, Roy.

AMATEUR RADIO STATIONS—Continued.

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 and Mechanical College of Texas.	College Station, Tex.....	Kw. 0.5
5DX	Ancell, Tom B.....	927 N. Marsalis Ave., Dallas, Tex.....	1.0
5DH	Andress, Max.....	735 N. Robinson St., Cleburne, Tex.....	.5
5EH	Ansley, Hewlette L.....	1428 N. 12th Ave., Birmingham, Ala.....	.5
5AJ	Antony, Willie E.....	1906 Laurel St., Shreveport, La.....	1.0
5BD	Asdorin, Leon.....	1529 Calliope St., New Orleans, La.....	.5
5ED	Autry, James L., jr.....	5 Courtlandt Pl., Houston, Tex.....	1.0
5EF	Baker, Charles M.....	507 N. 1st St., Temple, Tex.....	.5
5DG	Barr, Charles S.....	327 S. Parkway, Memphis, Tenn.....	1.0
5EQ	Barre, Martin.....	St. Paul's College, Covington, La.....	.5
5CS	Beauchamp, Fred.....	Orange, Tex.....	.5
5BF	Behre, Joseph C.....	1012 Kerlerec St., New Orleans, La.....	.5
5AF	Berger, Carl G. F.....	217 E. Commerce St., Altus, Okla.....	.5
5CO	Bowling, James A.....	1212 Prairie Ave., Houston, Tex.....	.5
5DW	Breaux, Oscar W.....	1472 N. Rocheblave St., New Orleans, La.....	.5
5DF	Brooks, Junius B.....	Las Cruces, N. Mex.....	.5
5BW	Brown, Max T.....	1017 Cumberland St., Little Rock, Ark.....	.5
5AM	Brownell, Harold S.....	Edgewood, Birmingham, Ala.....	.5
5BP	Butcher, Cecil F.....	324 W. 12th St., Dallas, Tex.....	.5
5DR	Caine, Irving D.....	2211 Avenue H, Ensley, Ala.....	1.0
5BQ	Campbell, Gregory D.....	Beeville, Tex.....	.5
5EB	Carrie, Robert G.....	746 Herron St., Montgomery, Ala.....	.5
5CQ	Casey, Robert H.....	606 N. Main St., Cleburne, Tex.....	1.0
5CT	Churchill, Charles W.....	Caldwell, Tex.....	.5
5BV	Clayton, John M.....	1301 Welch St., Little Rock, Ark.....	1.0
5CR	Cochran, George D.....	2019 Clarendon Ave., Bessemer, Ala.....	.5
5DZ	Cole, Harry B.....	1515 Linwood Blvd., Oklahoma City, Okla.....	.5
5DK	Coleman, Jess B.....	811 17th St., Temple, Tex.....	.5
5DN	Collins, William A.....	328 Arabella St., New Orleans, La.....	.5
5CK	Cox, Houston A.....	524 Jackson St., Starkville, Miss.....	1.0
5EJ	Craig, P. W.....	206 S. 8th St., Pratt City, Ala.....	.5
5AK	Craven, William M.....	1516 S. 12th Ave., Birmingham, Ala.....	1.0
5BR	Curtis, Ernest M.....	350 Selma St., Mobile, Ala.....	.5
5AU	Darwin, Tyler.....	1205 N. 9th St., Waco, Tex.....	.5
5EM	Dawty, Albert.....	5918 Laurel St., New Orleans, La.....	.5
5BM	de Ben, Hubert E.....	1044 City Park Ave., New Orleans, La.....	.5
5AA	Deeley, Paul M.....	535 Proctor St., Waco, Tex.....	1.0
5CG	Dibble, George B.....	112 Martha St., Montgomery, Ala.....	.5
5DY	Downing, Roswell B.....	727 E. 6th St., Oklahoma City, Okla.....	.5
5BJ	Dye, Marvin M.....	3107 Lee St., Dallas, Tex.....	1.0
5DU	Emerson, Bennett.....	3730 Wendelkin St., Dallas, Tex.....	1.0
5DE	Ernest, Walter C., jr.....	119 St. Stevens Ave., Mobile, Ala.....	.5
5AT	Felsenthal, Sonnel J.....	303 Oak St., El Dorado, Ark.....	1.0
5CL	Fitzgibbon, Rodger K.....	2002 Avenue I, Galveston, Tex.....	.5
5BO	Floyd, Preston M., jr.....	213 E. Blvd., Baton Rouge, La.....	.5
5EP	Fort, Fred A.....	2222 Portland Ave., Shreveport, La.....	.5
5DE	Geren, A. Blanchard.....	1815 W. Gary St., Shreveport, La.....	.5
5AH	Gillette, Jack.....	Purcell, Okla.....	.5
5AQ	Goldstein, Henry R.....	1819 Octavia St., New Orleans, La.....	.5
5AS	Goodman, Louis N.....	300 E. Main St., Starkville, Miss.....	1.0
5CJ	Gray, W. Parker.....	15 W. 10th St., Oklahoma City, Okla.....	.5
5BB	Greenlaw, Paul E.....	Franklinton, La.....	.5
5AY	Hall, Henry.....	Beeville, Tex.....	.5
5DI	Hanz, Harry W.....	310 Bridge St., New Braunfels, Tex.....	.5
5DD	Harrell, David, jr.....	1010 Guadalupe St., Austin, Tex.....	.5
5BI	Harrison, Jackson W.....	800 Highland Ave., Montgomery, Ala.....	1.0
5EN	Harrison, W. Mare.....	1003 Elgin Ave., Muskogee, Okla.....	.5
5CX	Holland, Jesse W.....	406 Granbury St., Cleburne, Tex.....	.5
5ER	Holmes, Wesley S.....	209 Gayoso St., New Orleans, La.....	.5
5EG	Hudson, Edward M.....	608 W. 7th St., Austin, Tex.....	.5
5DV	Hunt, Martin L.....	Woodrow St., Dallas, Tex.....	1.0
5AG	Johannsen, John, jr.....	Lafayette Ave and Miro St., New Orleans, La.....	.5
5EI	Kelly, Paul R.....	3707 Junius St., Dallas, Tex.....	.5
5CI	King, William J.....	462 Pino St., New Orleans, La.....	1.0
5CM	Kirchner, Otto F.....	18 Terrell St., Mobile, Ala.....	.5
5AI	Jones, Burle R.....	1103 Gibson St., Muskogee, Okla.....	.5
5EK	Hirsh, Leon.....	911 Fremont Ave., Muskogee, Okla.....	.5
5CZ	Leroy, Louis.....	Memphis, Tenn.....	.5
5BK	Leroy, Louis.....	1005 Rayner Ave., Memphis, Tenn.....	1.0
5AV	Macke, William, jr.....	Franklinton, La.....	.5
5BL	Marks, George M., jr.....	615 S. Perry St., Montgomery, Ala.....	.5

AMATEUR RADIO STATIONS—Continued.

FIFTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS.—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
5BX	Martin, George W.	209 S. Edgefield Ave., Dallas, Tex.	1.0
5CV	Martin, Roy	100 W. Lampkin St., Starkville, Miss.	.5
5EA	McDonnell, J. S., jr.	3304 8th Ave., Little Rock, Ark.	.5
5CI	McKelvey, Walter G.	807 Elgin St., Muskogee, Okla.	.5
5BS	McLain, Robert M.	250 Walker St., Huntsville, Ala.	1.0
5AO	Mercier, Walter H.	1640 Carrollton Ave., New Orleans, La.	.5
5AN	Milam, Monroe W.	603 N. 4th St., Waco, Tex.	.5
5CU	Miller, Harold L.	1012 Government St., Mobile, Ala.	.5
5DA	Mitchell, Erwin H.	1012 Government St., Mobile, Ala.	.5
5AR	Moore, J. Walter	317 Jackson Ave., El Dorado, Ark.	1.0
5CP	Moore, Frank C.	7509 St. Charles Ave., New Orleans, La.	.5
5EO	Mottashed, Marvin H.	3126 Lillian St., Shreveport, La.	.5
5DL	Mount, Robert H.	Pineville, La.	.5
5BH	Nobe, Harold G.	402 Nashville Ave., New Orleans, La.	.5
5CB	Nelson, Paul E.	1012 S. 18th St., Fort Smith, Ark.	1.0
5BG	Parkes, Thomas L.	2411 Kensington St., Nashville, Tenn.	.5
5CE	Preis, Robert J.	4433 S. Rampart St., New Orleans, La.	.5
5DT	Reeves, Ben.	2822 Turney Ave., Dallas, Tex.	.5
5DM	Reid, Kenneth M.	1001 Columbus Ave., Muskogee, Okla.	.5
5EC	Reynold, Dalton S.	442 N. Boulevard, Baton Rouge, La.	.5
5BC	Reynolds, Gordon P., jr.	906 Arabella St., New Orleans, La.	.5
5DJ	Richard, Charles L.	1004 Government St., Mobile, Ala.	.5
5AD	Rorschach, Harold E.	619 North E St., Muskogee, Okla.	1.0
5BY	Sams, Ernest E.	508 Market St., Muskogee, Okla.	.5
5DC	Sanders, W. Currey	674 Topeka St., Shreveport, La.	1.0
5BT	Selby, Clarence M.	1163 Locust St., Muskogee, Okla.	.5
5AX	Simmons, Dorr R.	3134 Lillian St., Shreveport, La.	1.0
5EI.	Smith, Leo H.	3161 Fetzter St., Shreveport, La.	.5
5AE	Snarr, Kenneth A.	1200 S. 10th St., Fort Smith, Ark.	.5
5AB	Steddum, A. Henry	1524 W. 9th St., Oklahoma City, Okla.	1.0
5DQ	Stanton, Roy	1002 Cedar St., Bonham, Tex.	.5
5BU	Sweetman, Frank M.	930 N. 11th St., Waco, Tex.	.5
5AP	Thompson, Vance M.	267 Pasadena Pl., Memphis, Tenn.	1.0
5AL	Tilley, Wesley H.	303 E. 10th St., Austin, Tex.	.5
5CD	Tisdell, William L.	814 W. Okmulgee Ave., Muskogee, Okla.	.5
5BE	Tonahill, Maurice.	714 S. 8th St., Waco, Tex.	.5
5BA	Toups, Roy N.	1512 Ursuline St., New Orleans, La.	.5
5BZ	Towle, Amos.	203 B. George Ave., Mobile, Ala.	.5
5CW	Townsley, William L., jr.	35 S. Cooper St., Memphis, Tenn.	1.0
5CF	Uhalt, William J. and Joseph H.	5933 Constance St., New Orleans, La.	.5
5CY	Ward, Robert P.	233 Orchard St., Georgetown, Tex.	1.0
5CA	Wilson, Harry T.	898 Saxon Ave., Memphis, Tenn.	.5
5DO	Wolover, William H.	621 Eastside Blvd., Muskogee, Okla.	.5
5DB	Wood, Ross	726 Spaight St., Waco, Tex.	.5
5CN	Worner, Urban D.	1052 City Park Ave., New Orleans, La.	.5

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
5AA	Deeley, Paul M.	5AT	Felsenthal, Sonnel J.	5BO	Floyd, Preston N., jr.
5AB	Steddum, A. Henry.	5AU	Darwin, Tyler.	5BP	Butcher, Cecil F.
5AC	Agricultural and Mechanical College.	5AV	Macke, William jr.	5BQ	Campbell, Gregory.
5AD	Rorschach, Harold C.	5AX	Simmons, Dorr R.	5BS	McLain, Robert M.
5AE	Snarr, Kenneth A.	5AY	Hall, Henry.	5BT	Selby, Clarence M.
5AF	Berger, Carl G. F.	5AZ	Dike, Ernest R.	5BV	Clayton, John M.
5AG	Johannsen, John, jr.	5BA	Toups, Ray N.	5BX	Martin, George W.
5AH	Gillette, Jack.	5BB	Greenlaw, Paul E.	5BZ	Towle, Amos.
5AI	Jones, Burtle R.	5BC	Reynolds, Gordon P., jr.	5CB	Nelson, Paul E.
5AK	Craven, Wm. M.	5BE	Tonahill, Maurice.	5CC	King, Wm. Julian.
5AL	Tilley, Wesley H.	5BF	Behre, Joseph C.	5CE	Preis, Robert J.
5AM	Brownell, Harold S.	5BG	Parkes, Thos. L.	5CF	Uhalt, Wm. J.
5AN	Milam, Monroe W.	5BH	Nebe, Harold G.	5CH	Hecker, Joseph L.
5AO	Mercier, Walter M.	5BI	Harrison, Jackson W.	5CI	McKelvey, Walter G.
5AP	Thompson, Vance M.	5BJ	Dye, Marvin M.	5CJ	Gray, W. Parker.
5AQ	Goldstein, Henry R.	5BK	Leroy, Louis.	5CK	Cox, Houston A.
5AR	Moore, J. Walter.	5BL	Marks, George M.	5CL	Fitzgibbon, Rodger K.
5AS	Goodman, Louis Nathan.	5BM	De Ben, Hubert E.	5CN	Worner, Urban D.

AMATEUR RADIO STATIONS—Continued.

FIFTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
5CO	Bowling, James A.	5DH	Andress, Max.	5EA	McDonnell, J. E., jr.
5CP	Ritker, Melvin.	5DI	Hans, Harry W.	5EB	Carrie, Robert G.
5CR	Cochran, Geo. D.	5DJ	Richard, Chas. Lee.	5EC	Raymond, Dalton S.
5CS	Beauchamp, Fred.	5DK	Coleman, Jess B.	5ED	Autry, James, jr.
5CT	Churchill, Chas. Wm.	5DL	Mount, Robert H.	5EF	Baker, Charles M.
5CU	Miller, Harold L.	5DM	Bald, Kenneth M.	5EG	Hudson, Edward M.
5CW	Townslay, William Lloyd, jr.	5DN	Collins, Wm. A.	5EH	Anslay, H. L.
5CX	Holland, Jesse W.	5DO	Wolvowe, Wm. H.	5EJ	Craig, P. W.
5CY	Ward, Robert P.	5DP	Geron, A. Blanchard.	5EK	Hirsh, Leon.
5CZ	Leroy, Louis.	5DQ	Stanton, Roy.	5EL	Smith, Leo H.
5DA	Mitchell, Erwin H.	5DR	Calne, Irving D.	5EM	Dowty, Albert.
5DB	Wood, Ross.	5DT	Reeves, Ben.	5EN	Harrison, Wm. Mace.
5DC	Sanders, William C.	5DU	Emerson, Bennett.	5EO	Mottaahed, Marvin H.
5DD	Harel, David, jr.	5DV	Hunt, Martin L.	5EP	Fort, Fred A.
5DE	Ernest, Walter C., jr.	5DW	Breaux, Oscar W.	5EQ	Barre, Rev. Martin.
5DF	Brooks, Junius B.	5DX	Ancell, Tom B.	5ER	Holmes, Wesley S.
5DG	Barr, Charles Sevier.	5DY	Downing, Roswell B.		
		5DZ	Cole, Harry B.		

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.
6CB	Abbott, Clare C.	4728 S. Western Ave., Los Angeles, Cal.	Kw. 1.0
6RQ	Abrahamson, Ray.	4220 California St., San Francisco, Cal.	.5
6QA	Adams, Eugene R.	Mountain View, Cal.	.5
6PF	Allen, Preston D.	1410 West St., Oakland, Cal.	1.0
6OP	Altland, Comer P.	662 Clayton St., San Francisco, Cal.	.5
6ARC	Anderson, Andrew.	25 Brazil St., San Francisco, Cal.	.5
6CV	Anderson, Donald S. C.	154 Texas St., Redlands, Cal.	.5
6SW	Anderson, Elroy F.	80 Barson St., Santa Cruz, Cal.	.5
6MQ	Anderson, Sante H.	Mayfield, Cal.	.5
6AX	Anderson, William A.	828 Palos Verdes, San Pedro, Cal.	.5
6IS	Andrews, Carl.	532 Hill St., Long Beach, Cal.	.5
6GA	Andrews, Gaylerd.	4734 Shattuck Ave., Oakland, Cal.	.5
6KY	Andrews, Harold S.	2221 W. Jefferson St., Los Angeles, Cal.	.5
6GU	Anzini, Daniel I.	Mountain View, Cal.	.5
6BQ	Arbing, Bartley.	353 S. 10th St., San Jose, Cal.	.5
6HO	Ardenyi, William A.	41 Greenbank Ave., Piedmont, Cal.	.5
6FA	Arnberger, Frank, jr.	3230 Garfield Ave., Alameda, Cal.	1.0
6UA	Asadoorian, Theodore N.	1205 Garfield Ave., Pasadena, Cal.	.5
6AA	Aster, Alvin K.	910 Chestnut St., Alameda, Cal.	1.0
6OV	Atkins, Carl.	145 N. Hancock St., Los Angeles, Cal.	1.0
6IC	Austin, Russel F.	210 3d St., Riverside, Cal.	.5
6NY	Bagley, William C.	615 Johnson St., Santa Rosa, Cal.	.5
6QX	Baird, Maxfield A.	913 Main St., Corona, Cal.	.5
6LR	Baker, Jesse F.	2913 Lorina St., Berkeley, Cal.	1.0
6DV	Bales, Edward M.	1006 N. Main St., Napa, Cal.	.5
6RB	Barbagelata, Russell.	604 42d St., Oakland, Cal.	.5
6AO	Bargar, Avery E.	Lawndale, Cal.	.5
6QL	Barker, Waldo W.	331 Lighthouse Ave., Pacific Grove, Cal.	.5
6PX	Barlow, Roy.	4219 Morgan Ave., Los Angeles, Cal.	1.0
6TU	Barnett, Thomas T.	384-B Capp St., San Francisco, Cal.	.5
6FJ	Barnum, Coit L.	9034 Hillside Ave., Oakland, Cal.	.5
6ID	Barton, Harry.	437 Austin Ave., San Francisco, Cal.	.5
6LB	Barton, Larry J.	19 Crystal Springs Rd., San Mateo, Cal.	1.0
6CB	Bascom, Carleton V.	1020 E. 27th St., Los Angeles, Cal.	.5
6IB	Bauchou, Leon J.	Mayfield, Cal.	.5
6FG	Bauman, Warren C.	New Castle, Cal.	1.0
6EB	Bazzini, Emil M. H.	2734 Gough St., San Francisco, Cal.	.5
6AAP	Beal, Ira A.	Campbell, Cal.	.5
6AJ	Bean, James.	755 University Ave., San Jose, Cal.	.5
6ON	Becker, Peter J.	2722 Harvard Blvd., Los Angeles, Cal.	.5
6NR	Belden, Marion.	831 4th St., Santa Rosa, Cal.	.5
6CU	Bell, Albert E.	750 Summit Ave., Pasadena, Cal.	1.0

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
6VL	Bell, Oran M.	453 Isabel St., Los Angeles, Cal.	0.5
6AM	Benn, Jultus A.	921 Haight St., San Francisco, Cal.	.5
6AAR	Bennett, Dudley W.	Santa Cruz, Cal.	.5
6VE	Beraldo, Dewey	Avalon, Cal.	.5
6WZ	Berringer, Hall.	6 Arundel Rd., Burlingame, Cal.	1.0
6EW	Bertin, Edwin	917 Ave. A, Coronado, Cal.	.5
6BL	Betterley, Jack A.	2500 Elm Ave., Long Beach, Cal.	.5
6ABM	Bevitt, Edwin R.	3914 3d St., San Diego, Cal.	.5
6WJ	Bickel, John E.	R. F. D. No. 1, Whittier, Cal.	1.0
6EF	Biddle, Charles J.	Berkley, Cal.	1.0
6EE	Billhimer, Samuel J.	Colfax, Cal.	.5
6JD	Binney, John.	4050 Brighton Ave., Los Angeles, Cal.	1.0
6BE	Birkeland, Andrew	22 Fairmount St., San Francisco, Cal.	.5
6UD	Bitz, Vernice M.	825 W. 53d St., Los Angeles, Cal.	1.0
6VH	Blackstone, Clifford M.	1606 W. 50th St., Los Angeles, Cal.	.5
6AA W	Blauvelt, Frank E.	466 E. California St., Pasadena, Cal.	.5
6TG	Blodgett, Harry O.	1953 Bonsallo Ave., Los Angeles, Cal.	.5
6IJ	Boehme, Herbert L.	1437 6th St., Santa Monica, Cal.	1.0
6DA	Bolton, Harold B.	4300 Judah St., San Francisco, Cal.	.5
6KC	Bolton, Herbert J.	417 Park View St., Los Angeles, Cal.	.5
6FY	Bonar, Perry.	837 4th St., Santa Rosa, Cal.	.5
6OH	Bonham, Carlton L.	R. F. D. No. 1, Linden, Cal.	.5
6AH	Botts, James.	2644 23d Ave., Oakland, Cal.	.5
6NN	Bowen, Walter E.	2110 Estrella St., Los Angeles, Cal.	.5
6AL	Brandis, Fred A.	214 W. San Carlos St., San Jose, Cal.	.5
6RA	Brandt, Robert L.	322 Grand Blvd., San Mateo, Cal.	1.0
6ND	Breck, F. Bon.	285 Mather St., Oakland, Cal.	1.0
6KQ	Brennan, Ralph P.	1430 Vallejo St., San Francisco, Cal.	.5
6DP	Briare, William N., jr.	Marine Barracks, Mare Island, Cal.	.5
6GR	Brown, Clarence C.	1038 Balboa St., San Francisco, Cal.	.5
6WP	Brown, Norman C.	Reno Power House, Reno, Nev.	1.0
6PZ	Brown, Robert L.	634 Franklin St., Napa, Cal.	1.0
6ASR	Browning, Samuel D.	786 B St., Hayward, Cal.	.5
6VS	Brundige, Lamont J. and Reginald B.	114 E. Hadley St., Whittier, Cal.	.5
6RY	Bullard, Orlan K., jr.	1655 10th St., San Diego, Cal.	1.0
6PC	Bumbaugh, Harold L.	Lemon Grove, Cal.	.5
6SO	Bunting, Howard S.	109 Forest Ave., Pacific Grove, Cal.	1.0
6BJ	Bunting, Lawrence.	Centerville, Cal.	.5
6LZ	Burgess, Charles W.	506 N. Philadelphia St., Anaheim, Cal.	.5
6DZ	Caldwell, Duncan K.	427 Crane Ave., Turlock, Cal.	.5
6AFC	Callero, Frank.	7 Lisbon St., San Francisco, Cal.	.5
6NX	Calvert, Paul P.	124 W. Hazel St., Inglewood, Cal.	1.0
6CC	Canfield, Carleton E.	169 High St., Santa Cruz, Cal.	.5
6BT	Cantelow, Elbridge M.	2515 Derby St., Berkeley, Cal.	.5
6AC	Capewell, Ceber E.	Monte Cresta Ave. and Kelton Court, Oakland, Cal.	.5
6JQ	Carroll, Lionel H.	427 B. Hunter St., Stockton, Cal.	.5
6FM	Carroll, Russell W.	354 Perry St., Oakland, Cal.	.5
6BD	Carter, E. Stewart.	1639 Formosa Ave., Los Angeles, Cal.	.5
6NM	Carter, Kenneth L.	633 W. H St., Colton, Cal.	1.0
6VN	Carter, Robert F.	101 Ralston St., Reno, Nev.	.5
6HE	Castro, Morris.	232 Lexington Ave., Rust, Cal.	.5
6QJ	Chamberlain, George E.	121 N. 6th St., Sawtelle, Cal.	1.0
6IE	Chambers, James.	427 Bank St., San Francisco, Cal.	.5
6AP	Chase, John H.	1323 Lemon St., Riverside, Cal.	.5
6QR	Chase, Ralph N.	R. F. D. No. 4, Santa Ana, Cal.	1.0
6TZ	Christenson, Howard.	426 Palm Ave., Burbank, Cal.	.5
6VM	Clark, Herbert.	578 16th St., Oakland, Cal.	.5
6CE	Clark, James R.	2318 Bryant St., San Francisco, Cal.	.5
6SB	Clark, Jean H.	1504 State St., San Diego, Cal.	.5
6JP	Clark, John H.	316 E. 55th St., Los Angeles, Cal.	.5
6AU	Clark, Paul U.	898 S. 8th St., San Jose, Cal.	1.0
6QF	Clements, Floyd P.	407 N. Milton Ave., Whittier, Cal.	.5
6QE	Clewett, Heber H.	1002 S. Reservoir St., Pomona, Cal.	.5
6RF	Closson, William.	Orland, Cal.	.5
6MK	Coates, Walton L.	3766 Chamcune Ave., East San Diego, Cal.	.5
6AAF	Collins, Wayne A.	788 19th St., Oakland, Cal.	.5
6LC	Comins, Frank L.	634 Balboa St., San Francisco, Cal.	.5
6CW	Cook, George W.	208 27th St., Ogden, Utah.	.5
6OD	Cook, John A.	1504 Locust St., Long Beach, Cal.	.5
6LS	Cooksey, Clayborne D.	1246 Birch St., Los Angeles, Cal.	.5
6DI	Cookson, Howard A.	361 14th Ave., San Francisco, Cal.	1.0
6GE	Corpe, G. S.	El Monte, Cal.	.5
6CL	Cosby, Mark B.	356 Hobart Ave., Los Angeles, Cal.	.5
6FF	Cosgrove, Clarence E.	435 Hanover Ave., Oakland, Cal.	.5
6WQ	Cowles, John.	28 Butler Ave., San Francisco, Cal.	.5

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
6UP	Creswell, Frank, Jr.	831 W. 58th Pl., Los Angeles, Cal.	Ktc. 0.5
6QI	Crissman, Robert J.	617 S. Birch St., Santa Ana, Cal.	.5
6AW	Cullen, Paul K.	R. F. D. No. 1, Long Beach, Cal.	1.0
6NJ	Cunningham, Edward J.	Santa Clara, Cal.	.5
6CF	Curtis, Burbank.	519 E. 9th St., Long Beach, Cal.	.5
6KM	Dalby, William.	2907 Hillegass Ave., Berkeley, Cal.	1.0
6QT	Dalton, Stuart P.	121 E. 23d St., Los Angeles, Cal.	.5
6MO	Dargitz, Jesse L.	Near Acampo, Cal.	1.0
6KN	Davidson, George A.	Chula Vista, Cal.	1.0
6DE	Davidson, James D.	462 W. Grand Ave., Pomona, Cal.	.5
6HY	Davidson, Merritt T.	1954 Hillcrest Rd., Hollywood, Cal.	.5
6OI	Dawson, J. Percy.	763 Oakland Ave., Pasadena, Cal.	.5
6UJ	Day, Elwin C.	907 Valencia St., San Francisco, Cal.	.5
6FD	Deardorf, Francis H.	Los Altos, Cal.	.5
6RD	Deardorf, Ralph W.	202 Cypress Ave., Santa Ana, Cal.	1.0
6FN	Deetkin, Frederick I.	1535 6th St., Alameda, Cal.	.5
6AQ	De La Cruz, George.	706 W. San Carlos St., San Jose, Cal.	.5
6AD	Diamond, Alfred.	2015-A Sacramento St., San Francisco, Cal.	.5
6LK	Diamond, Ray.	Piedmont Park, Oakland, Cal.	1.0
6KA	Dickey, Herbert A.	122 Dracena Ave., Piedmont, Cal.	.5
6HD	Dicknow, Henry W.	413 26th Ave., San Francisco, Cal.	.5
6KL	Diehl, Fred.	348 Coleridge St., San Francisco, Cal.	.5
6RX	Dieterich, Martin.	430 E. 12th St., Los Angeles, Cal.	.5
6TB	Dietz, Irwin C.	136 S. Griffin Ave., Los Angeles, Cal.	.5
6OK	Dillon, Lyle.	317 S. Norton Ave., Los Angeles, Cal.	1.0
6OY	Dodson, Loyd O.	724 N. Chester St., Pasadena, Cal.	.5
6KE	Dogan, Kenneth.	1115 Cole St., San Francisco, Cal.	.5
6ARD	Dow, Clifford J.	Rye, Cal.	1.0
6TD	Dowling, Thomas L.	1520 E. 17th St., Oakland, Cal.	.5
6RG	Downs, Robert F.	130 W. 1st St., San Diego, Cal.	.5
6PO	Drath, Walter J.	682 34th St., Oakland, Cal.	.5
6LQ	Duborg, George.	845 Sierra St., Reno, Nev.	.5
6DG	Duffey, Guy H.	1622 W. 24th St., Los Angeles, Cal.	.5
6NK	Duncan, Harold.	131 W. Jefferson St., Los Angeles, Cal.	.5
6KD	Dutton, Kingsley.	6439 Robles Ave., Los Angeles, Cal.	1.0
6WX	Ebert, Howard W.	455 Orchard St., San Jose, Cal.	.5
6MU	Eddy, Myron F.	1232 Alice St., Oakland, Cal.	.5
6SN	Edwards, Lewis W.	908 Wilshire Blvd., Sawtelle, Cal.	.5
6EK	Eiferle, Chris. F.	3018 Boulevard Ave., Fruitville, Cal.	1.0
6TG	Emmerton, Alfred.	167 S. 4th St., Sawtelle, Cal.	.5
6ALC	Eriksen, Elwood C.	358 Lisbon St., San Francisco, Cal.	.5
6LM	Erler, Robert J.	1143 Santa Clara St., Vallejo, Cal.	.5
6DL	Espe, Oliver E.	4326 S. Grand Ave., Los Angeles, Cal.	.5
6ABO	Evans, Charles C.	4835 Idaho St., San Diego, Cal.	.5
6AHE	Evans, Herbert.	Lemon Grove, Cal.	.5
6FT	Eveleth, Harlan A.	2805 Russell St., Berkeley, Cal.	.5
6UY	Everhart, Laurence.	254 N. Soto St., Los Angeles, Cal.	.5
6TH	Fabian, Ernest.	1368 20th Ave., San Francisco, Cal.	.5
6WH	Fabling, Walter D.	3624 2d Ave., Los Angeles, Cal.	.5
6GD	Fackrell, George O.	Cooperstown, Cal.	.5
6ED	Farish, Edward P.	1609 W. Lewis St., San Diego, Cal.	.5
6GF	Farmer, Gordon.	Burbank, Cal.	.5
6LT	Farolita, Dominic A.	289 Chenery St., San Francisco, Cal.	.5
6TR	Farrell, Raymond.	2328 Pacific Ave., Alameda, Cal.	1.0
6IF	Farwell, I. Irving.	2230 9th St., Berkeley, Cal.	.5
6UV	Fassett, Lee.	4326 Balboa St., San Francisco, Cal.	.5
6ET	Fenner, Paul R.	1338 Masonic Ave., San Francisco, Cal.	.5
6CO	Ferrero, Henry D.	43 Vallejo St., Napa, Cal.	.5
6HV	Ferrill, Herbert E.	Bostonia, Cal.	.5
6PP	Ferrill, William.	El Cajon, Cal.	.5
6BZ	Fickas, Wilbur.	1035 E. 1st St., Santa Ana, Cal.	.5
6QD	Finley, William E.	441 S. 5th St., San Jose, Cal.	.5
6MF	Fitzpatrick, Gerald H.	2012 Pold St., San Diego, Cal.	.5
6QH	Flaig, Philip F.	43 Mizpah Ave., San Francisco, Cal.	.5
6PE	Fleming, Robert P.	606 San Benito St., Los Angeles, Cal.	.5
6SQ	Fonseca, Arthur.	2610 Valdez St., Oakland, Cal.	.5
6WF	Ford, Walter B.	3653 Arnold St., San Diego, Cal.	.5
6JF	Forsburg, Joe A.	1734 Sonoma Ave., Berkeley, Cal.	.5
6FQ	Foster, Harold M.	630 Culyer St., Orange, Cal.	.5
6OD	Foster, Lewis K.	3452 16th St., San Francisco, Cal.	.5
6FV	Foulon, Fred.	424 E. 29th St., Los Angeles, Cal.	1.0
6VG	Fowler, L. Deane.	1027 6th St., Redlands, Cal.	.5
6NQ	Francis, Ernest R.	Mountain View, Cal.	.5
6FK	Frank, Walter H.	465 18th St., San Diego, Cal.	.5
6HN	Friedrichson, Clarence J.	Rio Vista, Cal.	.5
6FX	Frizzi, William.	Larkspur, Cal.	.5

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kc.
6SF	Fuller, Sidney.....	1718 S. Main St., Los Angeles, Cal.....	0.5
6PI	Furman, Oliver G.....	5528 Echo St., Los Angeles, Cal.....	1.0
6RM	Gabriel, Edward J.....	657 Guarrero St., San Francisco, Cal.....	.5
6PJ	Gale, Paul B.....	Leimon Grove, Cal.....	.5
6QU	Garrettson, Oliver.....	911 Jane St., Los Angeles, Cal.....	.5
6RW	Garver, Oliver B.....	1900 Vista del Mar, Hollywood, Cal.....	.5
6UH	Gates, Howard C.....	Pomona, Cal.....	1.0
6NG	Gerlach, Leonard J.....	Point Richmond, Cal.....	1.0
6US	Gibson, Walter L.....	2324 Dennison St., East Oakland, Cal.....	1.0
6AAG	Gilbert, Phillip H.....	387 W. 8th St., Pomona, Cal.....	1.0
6QK	Gill, Fred M.....	2715 4th St., Ocean Park, Cal.....	1.0
6AAH	Gilstrap, L. Frederick.....	517 N. Curtis Ave., Alhambra, Cal.....	.5
6BM	Godwin, Merle H.....	19 Grigsby Court, Napa, Cal.....	.5
6VC	Gottwald, Eugene A.....	404 S St., Eureka, Cal.....	.5
6NC	Gould, William S.....	500 D St., San Rafael, Cal.....	.5
6BG	Grates, John.....	486 E. 49th St., Los Angeles, Cal.....	.5
6LP	Gray, Clifford L.....	Stevens Creek Rd., San Jose, Cal.....	.5
6AI	Green, Alfred.....	221 E. Anderson St., Stockton, Cal.....	.5
6AAK	Green, Carl V., jr.....	317 E. 49th St., Los Angeles, Cal.....	1.0
6GC	Greene, Harry A.....	313 Lighthouse Ave., Monterey, Cal.....	1.0
6AR	Greenquist, Elmer A.....	516 W. San Carlos St., San Jose, Cal.....	.5
6ME	Gregory, Marshall.....	554 5th St., San Diego, Cal.....	.5
6AEG	Griffin, Ellis J.....	East Auburn, Cal.....	.5
6LL	Griffith, William M.....	737 Shrader St., San Francisco, Cal.....	.5
6IA	Griffiths, Walter M.....	1022 1st St., Napa, Cal.....	1.0
6DH	Grimes, W. Frank.....	103 N. Pasadena Ave., Pasadena, Cal.....	1.0
6GN	Grossnickle, Russell R.....	Lordsburg, Cal.....	.5
6IK	Grotzinger, Clarence F.....	Corona, Cal.....	.5
6TL	Grow, Frank.....	232 Lake Shore Ter., Los Angeles, Cal.....	1.0
6DN	Guidotti, William F.....	745 W. San Fernando St., San Jose, Cal.....	.5
6PU	Hamilton, Howard B.....	1218 N. 6th St., Redlands, Cal.....	.5
6PM	Hamilton, Otto J.....	1638 Bancroft Way, Berkeley, Cal.....	.5
6RI	Hanchett, Robert J.....	Nestor, Cal.....	.5
6KV	Hankins, Marvin J.....	448 6th St., San Pedro, Cal.....	.5
6HX	Hare, Robert J.....	1238 W. 38th St., Los Angeles, Cal.....	.5
6TZ	Harmon, Orville A.....	2742 35th Ave., Oakland, Cal.....	.5
6AJA	Harris, Howard D.....	Ogden High School, Ogden, Utah.....	1.0
6SL	Hart, Cedric E.....	718 6th Ave., Salt Lake City, Utah.....	1.0
6HG	Hart, Gardner L.....	3785 Albatross St., San Diego, Cal.....	.5
6CG	Harty, Courtenay F.....	5167 S. Wilton Pl., Los Angeles, Cal.....	.5
6LD	Haskell, Charles G.....	128 W. 30th Ave., Los Angeles, Cal.....	.5
6OU	Hawley, George N.....	1257 Cypress Ave., Los Angeles, Cal.....	.5
6GK	Hayden, Gordon L.....	1456 C St., Eureka, Cal.....	.5
6JO	Hayden, Jack.....	246 N. 22d Ave., Los Angeles, Cal.....	.5
6IH	Hazleton, Ralph L.....	51 Pryce St., Santa Cruz, Cal.....	.5
6UK	Heald's Business College.....	San Francisco, Cal.....	.5
6AAC	Heaney, Clarence M.....	374 22d Ave., San Francisco, Cal.....	.5
6AT	Heer, Alphonsus A., jr.....	134 Marsh Ave., Reno, Nev.....	.5
6DB	Heitshusen, Dick.....	115 Hermina St., Anaheim, Cal.....	.5
6ABC	Hellikson, Vivian L.....	1240 W. 49th St., Los Angeles, Cal.....	1.0
6UI	Helmer, Glenn.....	343 N. Comstock Ave., Whittier, Cal.....	.5
6AAB	Hemmenway, Clyde C.....	1407 Vermont St., San Francisco, Cal.....	1.0
6CN	Hendrix, Charles F.....	2214 E. Damon St., Los Angeles, Cal.....	.5
6PV	Henn, Charles W.....	1468 47th Ave., San Francisco, Cal.....	.5
6QS	Henry, William J.....	554 11th Ave., San Francisco, Cal.....	.5
6NU	Heppenstall, Wilton L.....	2097 W. 29th St., Los Angeles, Cal.....	.5
6RR	Herman, Edward W.....	735 19th St., San Diego, Cal.....	.5
6DC	Hibbard, Charles H., jr.....	150 Bellefontaine St., Pasadena, Cal.....	1.0
6FL	High, Freeman A., jr.....	2905 S. Hoover St., Los Angeles, Cal.....	.5
6CI	Hillen, Russell W.....	102 W. Alvarado St., Pomona, Cal.....	.5
6DM	Higgy, Robert C.....	1143 Formosa Ave., Hollywood, Cal.....	1.0
6HH	Hollingsworth, D. R.....	808 Humboldt St., Santa Rosa, Cal.....	.5
6JG	Homand, James A.....	1423 McKinley St., Los Angeles, Cal.....	.5
6MI	Hooper, Herbert D.....	Sultana, Cal.....	.5
6EJ	Houtz, Eugene R.....	1544 Webster St., Oakland, Cal.....	.5
6SI	Hoyt, Leander L.....	248 Main St., Hayward, Cal.....	1.0
6TE	Hueter, Noble G.....	1434 Jones St., San Francisco, Cal.....	.5
6JY	Humphrey, Estil L.....	San Fernando, Cal.....	.5
6HB	Hunt, Homer G.....	1740 96th Ave., Oakland, Cal.....	1.0
6LH	Hunt, Lloyd F.....	824 W. 35th Pl., Los Angeles, Cal.....	1.0
6IU	Hutchinson, Howard W.....	614 S. Brand Blvd., Glendale, Cal.....	1.0
6LI	Isaacs, Louis R.....	1200 Regent St., Alameda, Cal.....	1.0
6FC	Isham, Carlton.....	1323 96th Ave., Oakland, Cal.....	.5
6KF	Jackson, Milton S.....	8333 17th St., San Diego, Cal.....	.5
6JK	Jennings, John W.....	3427 30th St., San Diego, Cal.....	.5
6SX	Johnson, Alfred E.....	1030 Delaware St., Berkeley, Cal.....	1.0

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
6TP	Johnson, Harold M.	15 King St., San Jose, Cal.	0.5
6GS	Johnson, Philip	475 California St., Pasadena, Cal.	.5
6AEA	Johnson, Roy	414 Main St., Los Angeles, Cal.	.5
6MY	Johnston, Robert	734 K St., Eureka, Cal.	.5
6CV	Jones, Alfred H.	962 D Ave., Coronado, Cal.	.5
6KI	Jones, Ernest P.	R. F. D. Auburn, Cal.	.5
6MB	Jopson, Frank	332 S. 11th St., San Jose, Cal.	.5
6SY	Josephs, Howard	1520 Webster St., Oakland, Cal.	.5
6OM	Kaufmann, Irwin L.	56 20th Ave., San Francisco, Cal.	.5
6UF	Kemp, Thomas J.	950 Atlantic Ave., Long Beach, Cal.	.5
6RK	Kelley, Roger M.	399 S. Wilson Ave., Pasadena, Cal.	.5
6VK	Kemp, Victor H.	803 E. 28th St., Los Angeles, Cal.	.5
6CQ	Kemper, Horace L.	173½ Loma Drive, Los Angeles, Cal.	.5
	Kern County High School. See Ludden, A. J.		
6QV	Kimm, George N.	2502 Q St., Bakersfield, Cal.	.5
6VJ	Kinsman, Joseph W.	3467 Arroyo Seco Ave., Los Angeles, Cal.	.5
6JJ	Klahn, Leander	27 Chenery St., San Francisco, Cal.	.5
6JA	Knight, James B.	125 Stanislaus Ave., Modesto, Cal.	1.0
6GT	Knudsen, George	418 Banks St., San Francisco, Cal.	.5
6JH	Koepfli, Joseph B.	2600 Wiltshire Blvd., Los Angeles, Cal.	1.0
6UE	Kramer, Augustus A.	1605 6th St., Coronado, Cal.	.5
6HA	Kreamer, John A., jr.	222 W. 33d St., Los Angeles, Cal.	.5
6VY	Kreiss, Rudolph L.	1062 Stannage Ave., Berkeley, Cal.	1.0
6PL	Kubias, Rudolph M.	457 Alta St., Redlands, Cal.	.5
6JC	Kulich, John J., jr.	Branham Rd., Campbell, Cal.	.5
6OF	Kroman, Robert	Napa, Cal.	.5
6LY	Ladley, William A.	Napa, Cal.	.5
6BX	Lankston, J. M.	152 Ohio Ave., Sawtelle, Cal.	1.0
6DR	Laverty, Finley B.	5332 Abbott Pl., Los Angeles, Cal.	.5
6PK	Latta, Paul	2158 Woolman Ave., San Diego, Cal.	.5
6MW	Lauritsen, Albert M.	Napa, Cal.	.5
6LG	Lee, George R.	134 N. Johnstone St., Los Angeles, Cal.	1.0
6TM	Lee, Howard R.	1580 Grove St., San Francisco, Cal.	.5
6VO	Lee, John A.	283 25th Ave., Los Angeles, Cal.	1.0
6IZ	Leeper, Ernest W.	648 4th St., San Bernardino, Cal.	1.0
6EL	Le Fevre, Eugene	213 Bonflew Ave., San Francisco, Cal.	.5
6VF	Leigh, Phillip P.	827 2d St., Santa Monica, Cal.	1.0
6WL	Leland, Wallace H.	912 Indian Rock Ave., Berkeley, Cal.	1.0
6IN	Lewelling, Raymond	St. Helena, Cal.	1.0
6EC	Lewis, Harrison E.	3299 Briggs Ave., Alameda, Cal.	.5
6FE	Lewis, Tony D.	1054 Cotton St., Oakland, Cal.	.5
6HL	Linhoff, Harold R.	417 Winona Ave., Pasadena, Cal.	.5
6UR	Link, Ralph L.	1520 Annan Way, Los Angeles, Cal.	.5
6AAJ	Linville, Charles R.	307 N. Curtis Ave., Alhambra, Cal.	.5
6AN	Livesay, J. Russell	446 Palo Alto Ave., Palo Alto, Cal.	.5
6MH	Logan, Hugh H.	1519 Grammercy Pl., Los Angeles, Cal.	.5
6IF	Lohry, Ross B.	1932 Irving Ave., East Oakland, Cal.	1.0
	Long Beach Polytechnic School. See Polytechnic High School.		
6GX	Long, Herman D.	402 N. New 18th St., San Jose, Cal.	.5
6SJ	Lopez, John	1645 S. New Hampshire St., Los Angeles, Cal.	.5
6LO	Lory, C. S.	3841 7th St., San Diego, Cal.	.5
6VD	Loudon, Donald F.	3904 Ibis Court, San Diego, Cal.	.5
6CA	Lowell, Charles H., jr.	1403 Martel Ave., Los Angeles, Cal.	.5
6GZ	Ludden, A. J.	Bakersfield, Cal.	.5
6WM	Ludlow, William B.	2320 Cedar St., Berkeley, Cal.	.5
6CY	Lundy, Elmer C.	592 N. 17th St., San Jose, Cal.	.5
6SE	Lynde, Laurence F.	Huntington Drive, Los Angeles, Cal.	.5
6AAL	Lyon, John D.	1141 Mendocino St., Altadena, Cal.	.5
6MD	McFarlane, Thomas R.	954 S. Kingsley Drive, Los Angeles, Cal.	.5
6GM	Mackin, George R.	88 Peralta Ave., San Francisco, Cal.	.5
6MV	MacMullen, Gerald	392 Glorietta Blvd., Coronado, Cal.	.5
6SH	Macquarrie, Harold C.	405 E. Fremont St., Stockton, Cal.	1.0
6MX	Macurda, Malcolm	1714 Harvard Blvd., Los Angeles, Cal.	1.0
6MN	Maher, Edward T.	3409 Grove St., Oakland, Cal.	.5
6LL	Mahler, James J., jr.	233 Hawthorne St., San Diego, Cal.	.5
6AAD	Mahn, Erich G.	29 Saturn St., San Francisco, Cal.	.5
6GG	Malarin, Henry J.	719 Page St., San Francisco, Cal.	.5
6WT	Mann, Frank W.	Saratoga, Cal.	.5
6IP	Marsh, Hallan N.	1225 W. Brookes Ave., San Diego, Cal.	.5
6OX	Martin, Andrew W., jr.	894 Waller St., San Francisco, Cal.	.5
6KS	Martin, Neal D.	2018 Delaware St., Berkeley, Cal.	.5
6WD	Martinelli, Ennio	953 Mission Ave., San Rafael, Cal.	.5
6BO	Mattoon, Stanley F.	7364 Hollywood Blvd., Los Angeles, Cal.	.5

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
6DY	Mattox, Harry D.	260 W. 11th St., Pomona, Cal.	1.0
6BB	May, Howard E.	Orosi, Cal.	.5
6UW	Maynes, Walter W.	1903 Bonita Ave., Berkeley, Cal.	.5
6MS	McArdle, James J.	263 Day St., San Francisco, Cal.	.5
6JM	McCargar, J. L.	1413 16th St., Oakland, Cal.	1.0
6GH	McCarthy, John J.	3913 26th St., San Francisco, Cal.	.5
6LX	McCreery, Maurice.	700 W. 32d St., Los Angeles, Cal.	.5
6PJ	McDonald, Byron C.	85 S. El Molino St., Pasadena, Cal.	1.0
6TO	McFern, Arthur L.	1652 Berendo St., Los Angeles, Cal.	.5
6MC	McGown, Dudley B.	1247 47th Ave., San Francisco, Cal.	.5
6EM	McGuire, Edward.	55 Dame St., San Francisco, Cal.	.5
6EZ	McHolland, Raymond.	2900 Oregon St., Los Angeles, Cal.	1.0
6HJ	McIntosh, Harold S.	249 Bixel St., Los Angeles, Cal.	1.0
6ABO	McLaren, Alfred.	534 W. 49th St., Los Angeles, Cal.	.5
6JE	Mead, John H.	7231 Hollywood Blvd., Los Angeles, Cal.	.5
6KU	Mealer, Loyal D.	Walnut Grove, Cal.	1.0
6BN	Mentzer, Leonard.	4416 23d St., San Francisco, Cal.	.5
6DJ	Merritt, Lawrence G.	252 Clinton St., Pasadena, Cal.	1.0
6JW	Meyer, Joseph U.	804 40th St., Oakland, Cal.	.5
6EU	Michelson, Melvin O.	530 Franklin St., Napa, Cal.	.5
6QY	Milley, Jerome.	585 Bellefontaine Ave., Pasadena, Cal.	.5
6AK	Miller, Albert.	121 E. 39th Ave., Los Angeles, Cal.	.5
6EN	Miller, Elmer.	1346 La Brea St., Los Angeles, Cal.	.5
6KP	Miller, Murray R.	15 E. Central Ave., Redlands, Cal.	.5
6RJ	Miller, Roy A.	R. F. D., Ione, Cal.	1.0
6KT	Miller, Walter G.	18 Hester Ave., San Jose, Cal.	.5
6KJ	Mills, Eldon C.	425 Orchard St., San Jose, Cal.	.5
6BU	Mills, Harry D.	245 Lime St., Riverside, Cal.	1.0
6RC	Moebius, Russell F.	63 N. State St., Murray, Utah.	.5
6WB	Moller, William, Jr.	426 29th St., Oakland, Cal.	.5
6MA	Montgomery, Alvin R.	2303 Pacific Ave., Alameda, Cal.	1.0
6BI	Moore, Ezra.	108 11th St., Redlands, Cal.	.5
6MI	Moore, Norval E.	652 E. Culver St., Orange, Cal.	.5
6SS	Morrow, James W.	399 63d St., Oakland, Cal.	1.0
6MT	Mount Tamalpais Military Academy.	San Rafael, Cal.	.5
6IW	Muller, Lloyd.	832 Haight St., San Francisco, Cal.	.5
6DK	Mundt, Carlos S.	2418 Eagle Ave., Alameda, Cal.	.5
6FU	Munger, Claude D.	Nordhoff, Cal.	.5
6BV	Munzig, Arthur.	217 Tribune St., Redlands, Cal.	.5
6PR	Murkett, Phillip T.	126 W. Olive Ave., Redlands, Cal.	.5
6HM	Murphy, Harold J.	Mountain View, Cal.	.5
6QA	Myers, Harry.	3215 N. Broadway, Los Angeles, Cal.	.5
6KK	Neff, Cecil.	3751 Albatross St., San Diego, Cal.	.5
6TA	Nelk, Teddy J.	848 E. 28th St., Los Angeles, Cal.	.5
6PH	Nelson, Harry W.	269 E. 50th St., Los Angeles, Cal.	.5
6QG	Nelson, Martin A.	1075 Alverado St., San Leandro, Cal.	1.0
6PN	Nesbit, Paul T.	R. F. D. No. 1, Acampo, Cal.	.5
6AG	Neuser, Arthur A.	280 N. 22d Ave., Los Angeles, Cal.	.5
6NS	Neville, Glen.	417 S. 1st St., San Jose, Cal.	.5
6AHN	Newman, Harold L.	2242 San Jose Ave., Alameda, Cal.	1.0
6NF	Newton, Francis L.	100 Benita Ave., Piedmont, Cal.	1.0
6HQ	Newton, Henry G.	Coronado, Cal.	.5
6WK	Nickels, Lee.	985 8th St., Oakland, Cal.	.5
6QM	Nickle, Harold A.	Minnesota St., Glendora, Cal.	.5
6OR	Nielsen, Fred J.	136 Calne Ave., San Francisco, Cal.	.5
6NA	Nielson, Anders.	849 Athens Ave., Oakland, Cal.	.5
6NI	Nilli, Emil.	34 Hester Ave., San Jose, Cal.	.5
6RN	Norton, Russell.	825 1st St., Napa, Cal.	.5
6PT	Nulsen, William B.	545 San Benito St., Los Angeles, Cal.	.5
6UC	Nusser, George F.	309 N. Union Ave., Los Angeles, Cal.	.5
6BC	Oldham, William G., jr.	720 Healdsburg Ave., Santa Rosa, Cal.	.5
6TI	O'Dell, James J.	327 Post St., San Jose, Cal.	.5
6LU	Oliver, Leslie H.	1116 Catalina Ave., Pasadena, Cal.	.5
6KB	Olmstead, Charles B.	259 N. 23d Ave., Los Angeles, Cal.	.5
6LJ	Olmstead, William H.	1433 J St., Eureka, Cal.	.5
6JZ	O'Neill, Frank M.	1635 Addison St., Berkeley, Cal.	1.0
6RO	Ostrosky, Russell.	1624 Chapin St., Alameda, Cal.	.5
6OE	Ostronik, Rudolph.	4071 Budlong Ave., Los Angeles, Cal.	1.0
6PE	Ostrowsky, Arthur P.	408 E. 61st St., Los Angeles, Cal.	1.0
6PB	Pagh, Val E.	Randsburg, Cal.	.5
6FP	Parke, Francis M.	582 N. Parke Ave., Pomona, Cal.	.5
6LA	Parker, Ralph.	Lockeford, Cal.	.5
6SO	Parkin, Gladys Kathleen.	22 Terra Dillo Ave., San Rafael, Cal.	.5

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kil.
6LX	Parkin, John, jr.	22 Terra Dillo Ave., San Rafael, Cal.	1.0
6MP	Parsons, William	2921 Manitou Ave., Los Angeles, Cal.	.5
6LV	Passage, Raye L.	1966 Bonita Ave., Los Angeles, Cal.	1.0
6ABH	Peacock, Vernon I.	1303 Main St., Alhambra, Cal.	.5
6AV	Peck, W. Frank	569 Orange St., Riverside, Cal.	.5
6BR	Peelle, Russell G.	517 N. Washington St., Whittier, Cal.	1.0
6ER	Pelfer, Norman P.	34 Grant St., Redlands, Cal.	.5
6QC	Perry, Oliver A.	Meridian and Q Sts., San Diego, Cal.	.5
6OL	Petersen, Odin T.	490 48th St., Los Angeles, Cal.	1.0
6OJ	Peterson, Frank E.	2615 Virginia St., Berkeley, Cal.	.5
6LW	Phelps, Allen G.	521 E. 17th St., Santa Ana, Cal.	1.0
6KH	Phillippi, Charles	3467 5th St., Los Angeles, Cal.	1.0
6CM	Phillips, Carroll J.	1261 St. Charles St., Alameda, Cal.	.5
6CP	Pickard, Clifford J.	660 19th St., Richmond, Cal.	.5
6IV	Pierson, Walter	Walnut Creek, Cal.	.5
6IY	Plimpton, Roe	2508 1/2 Palm Drive, Los Angeles, Cal.	.5
6EG	Poage, Edward A.	143 15th St., Richmond, Cal.	.5
6UO	Polkinghorn, Frank A.	180 W. Date St., Riverside, Cal.	.5
6JX	Pollitt, Chalmer L.	663 W. 35th Pl., Los Angeles, Cal.	.5
6LN	Polytechnic High School	Long Beach, Cal.	1.0
6GP	Post, George W.	1699 Masonic Ave., San Francisco, Cal.	.5
6CR	Potter, Lee Roy	Maple and Spadra Sts., Fullerton, Cal.	1.0
6WI	Powell, Joseph F.	1125 N. Wilson Ave., Pasadena, Cal.	1.0
6BF	Powell, Meade W.	Warren, Ariz.	.5
6VI	Pressell, Willis R.	136 Mill St., Reno, Nev.	.5
6QO	Preston, Harold	Hayward, Cal.	.5
6II	Provinse, Floyd	282 Molino St., Long Beach, Cal.	.5
6RV	Querolo, Louis R.	892 Isabella St., Oakland, Cal.	.5
6CH	Raley, Mannie L.	Lordsburg, Cal.	.5
6SP	Rathbun, Theodore B.	1202 S. Normandie Ave., Los Angeles, Cal.	.5
6UB	Ray, George	318 7th St., San Pedro, Cal.	1.0
6VP	Redmond, Joseph	340 30th St., San Francisco, Cal.	.5
6EX	Remelin, Eldred L.	Perris, Cal.	.5
6AFA	Richardson, Franklin	7263 Sunset Blvd., Hollywood, Cal.	.5
6GB	Roberts, Edwin D.	Los Altos, Cal.	.5
6IQ	Robertson, Orlyn N.	202 S. Broadway, Santa Ana, Cal.	.5
6TK	Robinson, Sidney E.	2929 Broadway, Oakland, Cal.	.5
6HZ	Roe, Charles D.	661 S. Chicago St., Los Angeles, Cal.	.5
6GI	Rothe, C. Ernest	86 Viola Ave., San Jose, Cal.	.5
6HR	Royden, Herbert N., jr.	311 Ellsworth Ave., San Mateo, Cal.	1.0
6FT	Rugh, Charles	Los Gatos, Cal.	1.0
6FB	Rutherford, Paul H.	431 San Francisco Ave., Pomona, Cal.	1.0
6HU	Rutledge, Ralph	401 10th St., Colusa, Cal.	.5
6FH	Rutzen, Frank E.	831 Alvarado St., San Francisco, Cal.	.5
6AAV	Ryberg, Walter G.	116 Virginia Ave., San Francisco, Cal.	.5
6FR	Salome, Frederic W.	1493 Harrison St., Oakland, Cal.	.5
6OZ	Sanford, J. Gordon	1117 W. 78th St., Los Angeles, Cal.	.5
6RU	St. Clair, Harold	1645 S. Berendo St., Los Angeles, Cal.	.5
6SC	Sargent, Edward M.	2235 Lake St., San Francisco, Cal.	.5
6NL	Sawyer, Clifford D.	47 Washington St., Reno, Nev.	.5
6ES	Schaefer, Carl	3118 Stillson Ave., Sacramento, Cal.	.5
6HS	Schnarr, Henry J.	3611 Allendale Ave., Oakland, Cal.	.5
6OW	Scheidemantel, Oscar A.	5408 Alvis St., Los Angeles, Cal.	1.0
6UZ	Schellenback, Ray	1223 San Julian St., Los Angeles, Cal.	.5
6HK	Schenck, Harry P.	1632 Bush St., San Francisco, Cal.	.5
6VT	Schleicher, Lorenz D.	2728 E. 2d St., Los Angeles, Cal.	.5
6TS	Schneider, Anton	424 20th Ave., San Francisco, Cal.	.5
6AY	Schneider, August G.	530 S. Chicago St., Los Angeles, Cal.	.5
6WS	Schneider, William P.	2716 E. 22d St., Oakland, Cal.	1.0
6FZ	Schroeder, Arthur R.	Mountain View, Cal.	.5
6EA	Seefred, Howard C. and Lyndon F.	343 S. Fremont Ave., Los Angeles, Cal.	.5
6TF	Seely, Frank	2615 Etna St., Berkeley, Cal.	.5
6EO	Sefton, Binger H.	Taft, Cal.	.5
6CT	Seidel, William E.	2717 Brighton Ave., Los Angeles, Cal.	1.0
6TV	Seitel, T. Benton	Chino, Cal.	.5
6NT	Selby, Charles J.	3316 Market St., Oakland, Cal.	1.0
6SD	Shaffer, Charley L.	450 W. Center St., Pomona, Cal.	.5
6IO	Shaffer, John	846 E. 33d St., Los Angeles, Cal.	.5
6CU	Shuffner, Lucius L.	1320 Illinois St., Los Angeles, Cal.	.5
6BP	Shannon, Leslie	334 W. Murray St., Eureka, Cal.	.5
6EP	Sharon, Elwyn F.	576 N. Wilson Ave., Pasadena, Cal.	1.0
6UN	Shaw, William A.	Lemon Grove, Cal.	1.0
6SR	Shelton, R. O.	3443 5th St., San Diego, Cal.	.5
6FS	Short, Frank A.	846 Walnut St., Riverside, Cal.	.5
6KO	Short, Ralph R.	160 Dearborn St., Pasadena, Cal.	1.0

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
6DS	Sikes, Clarence W.	118 Olive Ave., Modesto, Cal.	1.0
6VR	Sisson, Waldo L.	229 S. Cummings St., Los Angeles, Cal.	1.0
6SK	Skaale, Arthur J.	2937 Martinez Ave., Berkeley, Cal.	.5
6DQ	Sleeper, James L.	211 Orange Ave., Santa Ana, Cal.	.5
6LS	Smelser, Laurel J.	318 2d St., Napa, Cal.	.5
6AF	Smith, Edward I.	208 E. 40th Ave., Los Angeles, Cal.	.5
6KZ	Smith, Harold.	3415 Glen Albyn Drive, Los Angeles, Cal.	.5
6SM	Smith, Seth.	78 Peralta Ave., San Francisco, Cal.	.5
6QN	Snider, Wallace.	2031 E. 1st St., Long Beach, Cal.	.5
6PD	Somers, William A.	2057 W. 29th St., Los Angeles, Cal.	.5
6ACB	Sorenson, Carl.	795 Simpson Ave., Salt Lake City, Utah.	.5
6AS	Soules, Ernest H.	75 Bush St., San Jose, Cal.	.5
6WR	Spare, Wilson.	3737 3d St., San Diego, Cal.	.5
6PG	Spatafore, Joseph.	1934-B Folsom St., San Francisco, Cal.	.5
6NO	Spaulding, Leland J.	172 32d Ave., San Francisco, Cal.	.5
6TG	Speir, Godfrey B.	2731 Dwight Way, Berkeley, Cal.	.5
6ST	Spencer, Howard E.	Rivera, Cal.	.5
6SA	Spencer, Oscar J.	33 Douglas St., San Francisco, Cal.	.5
6CK	Spencer, Edward R.	1640 23d Ave., Oakland, Cal.	1.0
6RS	Spring, Fred R.	315 W. 51st Ave., Los Angeles, Cal.	.5
6AZ	Springman, Arthur E.	1818 N. Broadway, Los Angeles, Cal.	1.0
6ABK	Squires, Harold D.	306 S. Pierce Ave., Whittier, Cal.	.5
6DD	Stagi, Guadenzio.	Los Altos, Cal.	.5
6RH	Stamback, Rollo L.	753 Redondo Ave., Long Beach, Cal.	.5
6NZ	Spicer, Clarence.	1005 Riverene Ave., Santa Ana, Cal.	.5
6JS	Squires, John E.	1605 Arch St., Berkeley, Cal.	.5
6JR	Stauffer, John.	601 Broderick St., San Francisco, Cal.	.5
6ABL	Stebbins, Charles L.	222 Short St., Long Beach, Cal.	.5
6TT	Stewart, Francis S.	1919 Fern St., San Diego, Cal.	.5
6RE	Stoddard, Harold.	1309 8th St., Oakland, Cal.	.5
6PW	Stone, Philip B.	Murray, Utah.	.5
6RP	Stonecipher, Charles E.	7227 S. Moneta Ave., Los Angeles, Cal.	.5
6HP	Stonehocker, Harold.	1732 Webster Ave., Fresno, Cal.	.5
6MZ	Stoudt, Frank L.	340 Francis St., Pomona, Cal.	.5
6CJ	Stowe, Theodore E.	41st Ave., Capitola, Cal.	.5
6AB	Street, George.	1208 Myrtle St., Oakland, Cal.	.5
6SZ	Strong, Stuart E.	268 Jayne St., Oakland, Cal.	1.0
6VG	Strong, William A.	695 Petaluma Ave., San Rafael, Cal.	1.0
6FO	Stubbs, Frank A.	2629 Mission St., San Francisco, Cal.	.5
6GO	Summers, James W.	1061 62d St., Oakland, Cal.	.5
6VB	Sundquist, Fred.	2153 Albee St., Eureka, Cal.	.5
6SU	Sutherland, Clarence.	2334 94th Ave., Oakland, Cal.	1.0
6AAN	Sykes, Joseph.	354 S. Hope St., Los Angeles, Cal.	.5
6AA T	Szukalski, Joseph P.	5610 Mission St., San Francisco, Cal.	.5
6DV	Taenzer, Ernest M.	801 Brent Ave., South Pasadena, Cal.	.5
6JU	Tait, Jack D.	1264 Oxford St., Los Angeles, Cal.	.5
6BK	Talbot, Paul H.	740 S. San Antonio Ave., Pomona, Cal.	.5
6BW	Taylor, Edwin K.	3766 Chamcune Ave., San Diego, Cal.	.5
6EII	Taylor, Frank G.	512 Oak St., San Francisco, Cal.	.5
6TW	Taylor, Hope.	144 12th St., Riverside, Cal.	.5
6OB	Telmont, Hippolyte B.	Mayfield, Cal.	.5
6NH	Terrell, Edwin.	271 8th St., San Pedro, Cal.	.5
6HI	Tessien, Henry A.	2929 Octavia St., Oakland, Cal.	.5
6TX	Thacker, Roy M.	931 Concord St., Los Angeles, Cal.	1.0
6SG	Themer, Francis.	1536 F St., San Diego, Cal.	.5
6KX	Thomas, Courte D.	2801 La Salle Ave., Los Angeles, Cal.	1.0
6UQ	Thompson, Charles E.	1876 15th St., San Francisco, Cal.	.5
6NE	Thompson, Lloyd.	239 E. Whiting Ave., Fullerton, Cal.	1.0
6PQ	Thornton, George N.	Lanaha Plana, Cal.	.5
6BY	Thorson, Robert W.	3616 Felton Ave., Richmond, Cal.	1.0
6GQ	Thurman, Alvin C.	7 Grant Ave., Watsonville, Cal.	1.0
6JT	Tibbitts, Jonathan C.	1246 St. Charles St., Alameda, Cal.	.5
6KS	Tilden, C. W.	1635 Maltman Ave., Los Angeles, Cal.	.5
6KG	Tripp, Dwight K.	933 Gramercy Drive, Los Angeles, Cal.	1.0
6IM	Townsend, Irye L.	737 Oakland Ave., Pasadena, Cal.	.5
6CZ	Tubbs, Ernest A.	103 Tribune St., Redlands, Cal.	.5
6WE	Tulp, Ralph.	840 W. 53d St., Los Angeles, Cal.	.5
6ABR	Turner, Herbert C.	1703 S. Berendo St., Los Angeles, Cal.	.5
6OT	Tyler, Otto B.	352 Illinois St., Pomona, Cal.	1.0
6DT	Underwood, Ernest G.	903 E. Commercial St., Inglewood, Cal.	.5
6QZ	Urban, Carl H.	320 Maple St., Reno, Nev.	.5
6GL	Van Auken, George L.	San Jose, Cal.	.5
6ML	Van Manning, Harold.	34 Humolt St., Santa Cruz, Cal.	.5
6WA	Van Why, Forbes W.	2012 N. Broadway, Los Angeles, Cal.	1.0
6QP	Vodra, George G.	211 S. 20th Ave., Los Angeles, Cal.	.5
6DF	Vogele, Herbert H.	341 Chestnut Ave., Long Beach, Cal.	.5

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
6VU	Vonderhelde, Harold H.	711 Carson St., Carson City, Nev.	Kw. 0.5
6BA	Wadsworth, Claude E.	336 Center St., Healdsburg, Cal.	.5
6JT	Waggon, Earl B.	Los Altos, Cal.	.5
6OO	Walden, Myran.	994 57th St., Oakland, Cal.	.5
6OC	Wallace, Donald C.	1431 Linden Ave., Long Beach, Cal.	.5
6IG	Wallace, Edward A.	138 Water St., Santa Cruz, Cal.	1.0
6VV	Wallace, Forrest P.	120 S. Monterey St., Alhambra, Cal.	1.0
6IE	Walter, Gilbert.	4523 Shattuck St., Oakland, Cal.	.5
6WO	Walters, Wilbur E.	410 E. 2d St., Lordsburg, Cal.	.5
6HT	Walters, William T.	2140 Tyler Ave., Fresno, Cal.	1.0
6TJ	Warner, Stafford W.	1929 West St., Oakland, Cal.	.5
6KW	Warriner, Willard V.	245 Eagle Rock Ave., Los Angeles, Cal.	1.0
6QW	Waters, John F.	2002 N. Broadway, Santa Ana, Cal.	1.0
6EY	Watson, Edwin A.	1611 Walnut St., Alameda, Cal.	.5
6NW	Webb, Morrison R.	541 18th St., Oakland, Cal.	.5
6VV	Webb, Walter R.	1306 W. 41st St., Los Angeles, Cal.	1.0
6CS	Webber, Franklin C.	632 N. Bunker Hill Ave., Los Angeles, Cal.	1.0
6WU	Weddell, Clarence C.	2364 Walnut St., San Jose, Cal.	.5
6AN	Weisbart, Ben.	136 S. Lucas St., Los Angeles, Cal.	.5
6DZ	Weitfle, Roy.	2217 Shattuck St., Berkeley, Cal.	1.0
6DW	Welch, Gerald D.	2201 Rosa St., Berkeley, Cal.	1.0
6GW	Werner, George W., jr.	3039 Adeline St., Berkeley, Cal.	.5
6DX	Wheeler, Charles.	143 N. Lime St., Riverside, Cal.	.5
6UX	Whidden, Ira P.	1246 Liberty St., Santa Clara, Cal.	.5
6DO	Whisman, Ray.	419 38th Ave., San Francisco, Cal.	.5
6VA	White, G. Richard.	435 Oakland Ave., Pasadena, Cal.	.5
6HW	White, Howard.	822 E. 4th St., Santa Ana, Cal.	.5
6CX	Whitehead, Stanley K.	138 N. Ohio St., Los Angeles, Cal.	.5
6DU	Whitworth, George K.	265 N. Mountain Trail, Sierra Madre, Cal.	.5
6FE	Wickersham, Harry H.	149 San Carlos Ave., San Francisco, Cal.	.5
6PY	Wight, Ralph W.	412 Redondo St., Inglewood, Cal.	.5
6RL	Wiley, Ralph W.	1250 26th Ave., San Francisco, Cal.	.5
6PS	Wilkins, Roy A.	532 N. 17th St., San Jose, Cal.	.5
6AAM	Willev, Oscar F.	292 King St., Santa Cruz, Cal.	.5
6JL	Williams, John C.	1202 8th St., Oakland, Cal.	.5
6RZ	Williams, Roy D.	554 Pine Ave., Long Beach, Cal.	.5
6NV	Williams, Theodore T.	295 California Ter., Pasadena, Cal.	.5
6BH	Williamson, Harry.	10 S. Church St., Redlands, Cal.	.5
6OG	Willis, Fred S.	2140 California St., Eureka, Cal.	.5
6QB	Wilmot, Allen G.	2114 3d Ave., Los Angeles, Cal.	1.0
6AGW	Wilson, Gerard.	363 S. 11th St., San Jose, Cal.	1.0
6NP	Wilson, J. Vernon.	Encanto, Cal.	.5
6NB	Winter, Gilbert H.	1742 Bushnell Pl., Berkeley, Cal.	.5
6JV	Wisner, Fred L.	1346 30th St., San Diego, Cal.	.5
6FW	Worthington, Jack.	548 37th St., Oakland, Cal.	.5
6SV	Wright, F. Harlow.	Orange Cove, Cal.	1.0
6RT	Wright, Harry E.	935 Harrison St., Oakland, Cal.	.5
6TC	Wright, Howard E.	315 Alvarado Court, Pomona, Cal.	.5
6TY	York, Darwin E. and Guy A.	1001 W. 1st St., Santa Ana, Cal.	.5
6MQ	Zangraff, Thomas J.	479 Cypress St., Pasadena, Cal.	1.0

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6AA	Aster, Alvin K.	6ABA	Alexander, L. R.	6ADA	Woods, Hubert.
6AAB	Hemenway, Clyde C.	6ABC	Hellikson, Vivian L.	6ADC	Shiner, Gerald.
6AAD	Mahn, Erich G.	6ABF	Moore, Walter.	6ADF	Youngstrom, Charles H.
6AAE	Bray, Harold R.	6ABG	McLaren, Alfred.	6AEA	Johnson, Roy.
6AAF	Collins, Wayne A.	6ABH	Peacock, Vernon L.	6AF	Smith, Edward.
6AAG	Gilbert, P. H.	6ABK	Squires, Harold.	6AFA	Richardson, Franklin.
6AAH	Gilstrap, Frederick L.	6ABL	Stebbins, Leslie.	6AFC	Callero, Frank.
6AAJ	Linville, Charles R.	6ABM	Bevitt, Edwin R.	6AFD	Manasse, Gerald.
6AAK	Brinkman, Fred E.	6ABO	Evans, Charles C.	6AG	Neuser, Arthur A.
6AAL	Lyon, John.	6ABR	Turner, Herbert C.	6AGB	Bockman, Georgia.
6AAM	Willey, Oscar F.	6AC	Capwell, Cebert E.	6AGG	Griffin, Ellis.
6AAP	Beal, Ira.	6ACA	Andrews, Clarence.	6AGW	Wilson, Gerard.
6AAR	Bennett, Dudley W.	6ACE	Trout, Delbert.	6AH	Botts, James.
6AAT	Szukalski, Joseph P.	6ACH	Heaney, Clarence.	6AHA	Herberger, A. E.
6AAV	Ryberg, Walter G.	6ACS	Sorenson, Carl.	6AHE	Evans, Herbert.
6AB	Street, George.	6AD	Diamond, Alfred.		

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6AHN	Newman, Harold.	6DJ	Merritt, Lawrence G.	6GO	Summers, J. W.
6AJ	Green, Alfred.	6DK	Mundt, C. S.	6GP	Post, George W.
6AK	Essen, James.	6DM	Higgy, Robert.	6GQ	Thurman, A. C.
6AKA	Miller, Albert.	6DO	Whisman, Ray.	6GR	Brown, Clarence C.
6ALA	Whiting, Edmund W.	6DP	Briars, William N., jr.	6GS	Johnson, Phillip.
6ALB	Wells, Herbert.	6DQ	Sleeper, James L.	6GT	Knudsen, George.
6ALC	Stuart, Burton O.	6DR	Lavery, F. B.	6GU	Anzini, Daniel I.
6ALD	Erikson, Elwood.	6DS	Slkes, C. W.	6GV	Jones, Alfred Henry.
6AM	Dye, Leland.	6DT	Underwood, Ernest G.	6GW	Werner, George W., jr
6AN	Benn, Julius.	6DU	Whitworth, George.	6GX	Long, Herman.
6AO	Bargar, Avery E.	6DV	Bales, Edward M.	6GY	Champion, W.
6AP	Chase, John H.	6DX	Wheelock, Charles D.	6GZ	Kern County High School.
6AQ	De La Cruz, George.	6DZ	Welch, Gerald.		
6ARC	Anderson, Andrew.			6HA	Kreamer, John A.
6ARD	Dow, Clifford.	6EA	Seefred, H. C.	6HB	Hunt, Homer.
6ARG	Gerwing, Robert S.	6EB	Bazzini, E. M. H.	6HD	Dickow, H.
6ASR	Browning, Samuel D.	6EC	Lewis, H. E.	6HE	Castro, Morris.
6AT	Heer, A. A., jr.	6ED	Farish, Edward F.	6HG	Hart, Gardner Lloyd.
6AU	Clark, Paul U.	6EE	Bilheimer, S. J.	6HI	Tessien, Henry.
6AW	Cullen, Paul.	6EG	Poage, Edward.	6HJ	McIntosh, Harold St. J.
6AY	Schneider, August G.	6EI	Taylor, Frank.		
6AZ	Springman, Arthur.	6EJ	Walters, Wilbur E.	6HK	Schenck, H. P.
		6EK	Elferle, Chrissie.	6HL	Linhoff, Harold.
6BA	Wadsworth, C. E.	6EM	McGuire, Edward.	6HM	Murphy, Harold J.
6BB	May, Howard.	6EN	Miller, Elmer.	6HN	Fredericksen, C. J.
6BC	Oldham, William, jr.	6EO	Sefton, Binger.	6HO	Astendy, William A.
6BD	Carter, E. Stewart.	6EP	Sharon, E. F.	6HP	Stonehocker, Harold.
6BE	Birkeland, Andrew.	6EQ	Robert, Jonathan L.	6HR	Royden, Herbert.
6BF	Powell, Meade W.	6ER	Feller, Norman.	6HS	Schnarr, H. J.
6BG	Grales, John.	6ES	Schoefer, Carl.	6HT	Walters, William.
6BH	Williamson, Harry.	6ET	Fenner, Paul R.	6HU	Rutledge, Ralph.
6BI	Moore, Ezra.	6EU	Michelson, Melvin O.	6HV	Ferrill, H. E.
6BJ	Bunting, Lawrence.	6EW	Bertin, Edwin.	6HW	White, Howard.
6BK	Talbot, Paul H.	6EX	Remelin, Eldred Lea.	6HX	Hare, Robert.
6BL	Bettery, Jack.	6EY	Watson, Edwin A.	6HY	Davidson, Merritt.
6BN	Mentzer, Leonard.	6EZ	McHollan, Raymond.	6HZ	Roe, Charles.
6BO	Mattoon, Stanley.			6IA	Griffiths, Walter
6BQ	Arbing, Bartley.	6FA	Arnberger, F., jr.		Mayne.
6BR	Feele, Russell.	6FB	Rutherford, Paul.	6IB	Bauchou, Leon J.
6BS	Green, Carl, jr.	6FC	Isham, Carlton.	6IC	Austin, Russell Fred- erick.
6BT	Canelow, Elbridge M.	6FE	Wickarsham, Harry N.	6ID	Barton, Harry.
6BU	Mills, Harry.	6FF	Cogrove, Clarence E.	6IF	Farwell, Lynn.
6BV	Munkig, Arthur.	6FG	Bauman, W.	6IH	Hazelton, Ralph L.
6BX	Lankston, Jesse M.	6FH	Rutsen, V.	6II	Roivine, Floyd.
6BY	Thorson, Robert.	6FI	Eveleth, Harlan A.	6IJ	Boehme, Herbert.
6BZ	Fickas, William.	6FJ	Barnum, Colt L.	6IK	Grotzinger, Clarence.
		6FL	High, Freeman.	6IL	Mahler, James J., jr.
6CA	Lowell, Charles, jr.	6FM	Carroll, Russell W.	6IM	Townsend, Irye.
6CB	Bascom, C. N.	6FN	Deetkin, Fred.	6IN	Lewelling, Raymond.
6CC	Canfield, Carlton E.	6FO	Stubbe, Frank.	6IO	Shaffer, John.
6CD	Abbott, Clare C.	6FP	Farke, Francis M.	6IP	Marsh, Hallan.
6CE	Clark, J. R.	6FQ	Foster, Harold M.	6IQ	Robertson, Orlyn.
6CF	Curtis, Burbank.	6FR	Salome, Frederick W.	6IS	Andrews, Carl.
6CH	Raley, M. Le Roy.	6FS	Short, F. A.	6IU	Hutchinson, Howard W.
6CI	Hillen, Russell W.	6FU	Munger, C. D.		
6CK	Spencer, Edward R.	6FV	Wilson, Fred.	6IW	Muller, Lloyd.
6CL	Cosby, Mark Barrett.	6FW	Wisner, Fred.	6IY	Blumpton, Roe.
6CM	Phillips, Carroll J.	6FY	Bonar, Perry.		
6CN	Hendricks, Charles F.	6FZ	Schroeder, Arthur R.	6JA	Knight, James B.
6CP	Fickard, Clifford.			6JB	Tassey, Glenn.
6CQ	Kemper, Horace.	6GA	Andrews, Gaylord.	6JC	Kuhls, John, jr.
6CR	Potter, Lee.	6GB	Roberts, Edwin D.	6JD	Binney, John.
6CS	Webber, F.	6GC	Green, H. A.	6JE	Meed, John H.
6CT	Seidel, William.	6GD	Fackrell, G. O.	6JG	Homand, James.
6CV	Anderson, Donald S.	6GE	Corpe, G. S.	6JH	Koepfli, Jos. B.
6CX	Whitehead, Stanley.	6GF	Farmer, Gordon.	6JI	Wagon, E. B.
6CY	Lundy, Elmer.	6GG	Malarin, Henry.	6JL	Williams, Leader.
6CZ	Tubbs, Ernest A.	6GH	McCarthy, J. J.	6JM	McCargar, J. L.
		6GI	Rothe, Charles.	6JN	Livesay, J. Russell.
6DA	Bolton, Herbert B.	6GJ	Richardson, C. E.	6JO	Hayden, Jack.
6DC	Hibbard, Charles, jr.	6GK	Richardson, C. E.	6JP	Clark, John.
6DD	Stag, Guadenzio.	6GL	Van Aukon, G. L.	6JQ	Carroll, Lionel.
6DE	Davidson, James D.	6GM	Mackin, George R.	6JR	Stauffer, John.
6DF	Buckner, H. E.	6GN	Grossnickle, Russell R.		
6DG	Duffy, Gus.				
6DH	Grimes, W. Frank.				
6DI	Cookson, E.				

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6JS	Squires, John E.	6MW	Lauritsen, Albert	6PY	Wight, Ralph W.
6JT	Tibbitts, Jonathan C.		Miller.	6PZ	Brown, Robert L.
6JU	Tait, Jack.	6MX	Macurda, Malcolm.	6QA	Myers, Harry.
6JV	Worthington, J.	6MY	Johnston, Robert.	6QC	Perry, Oliver.
6JW	Meyer, Joseph.	6MZ	Stoudt, Frank L.	6QD	Finley, W. E.
6JX	Pollitt, Chalmers L.			6QE	Clewett, Heber.
6JY	Humphrey, Estil.	6NA	Nielson, Anders.	6QF	Clements, F. P.
6JZ	O'Neill, Frank Murray.	6NB	Winter, Gilbert H.	6QG	Nelson, Martin A.
		6NC	Gould, William.	6QH	Flag, Philip.
		6ND	Breck, F. B.	6QI	Crissman, Robert.
6KA	Dickey, Herbert A.	6NE	Thompson, Lloyd.	6QJ	Shannon, Thomas Joseph P.
6KB	Olmstead, Charles.	6NF	Newton, Francis.		Gill, Fred M.
6KC	Bolton, Herbert J.	6NJ	Cunningham, Edward J.	6QK	Nickle, Harold Albert.
6KD	Dutton, Kingsley.			6QM	Snider, Wallace.
6KF	Jackson, M.	6NK	Duncan, Harold.	6QN	Vodra, George.
6KI	Jones, Ernest P.	6NL	Sawyer, C. D.	6QP	Chase, Ralph N.
6KJ	Mills, Eldon Cecil.	6NM	Carter, Kenneth.	6QR	Henry, William Joseph.
6KK	Neff, Cecil.	6NN	Bowen, Walter.	6QS	Dalton, Stuart P.
6KM	Dalby, William.	6NO	Spaulding, L. J.	6QU	Garretson, Oliver.
6KN	Davidson, George A.	6NP	Wilson, J. Vernon.	6QV	Kimm, George N.
6KO	Short, Ralph Randall.	6NQ	Francis, Ernest R.	6QW	Waters, John E.
		6NS	Neville, Glenn.	6QX	Baird, Maxfield A.
6KP	Miller, Murray.	6NT	Selby, Charles Joseph.	6QY	Urban, Carl Henry.
6KQ	Brennan, R. P.			6RB	Barbagelata, Russell.
6KR	Roitsch, George A.	6NU	Heppenstall, W. L.	6RC	Moelris, Russell.
6KS	Tilden, C. W.	6NW	Webb, Morrison.	6RD	Deardorff, Ralph W.
6KU	Mealer, Loyal D.	6NX	Calvert, Paul.	6RE	Stoddard, Harold.
6KV	Hankins, Marvin J.	6NY	Bagley, William.	6RF	Closson, William.
6KW	Warriner, W. V.	6NZ	Spicer, Clarence.	6RG	Downs, Robert.
6XX	Thomas, Courte D.			6RH	Stamback, Rollo L.
6KZ	Smith, Harold.	6OA	Adams, E. R.	6RI	Hanchett, Robert.
		6OB	Telmont, Hippolyte B.	6RK	Kelley, Roger M.
6LA	Parker, Ralph.			6RM	Gabriel, Edward Joseph.
6LD	Haskell, Charles.	6OC	Wallace, Donald C.	6RN	Norton, Russell.
6LE	Lewis, Tony.	6OD	Foster, Lewis.	6RP	Stonecipher, Charles.
6LF	Lohry, Ross B.	6OE	Ostronik, Rudolph.	6RQ	Abrahamson, R.
6LG	Lee, George R.	6OF	Kroman, Robert.	6RR	Herman, Edward William.
6LH	Hunt, Lloyd F.	6OG	Waite, H. E.	6RT	Wright, Harry E.
6LI	Issacs, L. R.	6OH	Bonham, C. L.	6RU	St. Clair, Harold.
6LJ	Olmstead, William H.	6OI	Dawson, J. Percy.	6RV	Querolo, Louis.
6LK	Fox, Irving Allen.	6OJ	Peterson, Frank.	6RW	Garver, Oliver.
6LL	Griffith, William.	6OK	Dillon, Lyle.	6RX	Dieterich, Martin.
6LM	Erler, Robert.	6OL	Peterson, Odin.	6RZ	Williams, Roy D.
6LN	Long Beach Polytechnic High School.	6ON	Hoover, Peter.		
		6OO	Waldon, Myran.	6SA	Spencer, Oscar.
6LO	Lory, C. S.	6OP	Altland, Comer P.	6SB	Clark, Jean H.
6LP	Gray, C. L.	6OQ	Lemon, Melville L.	6SC	Sargent, Edward M.
6LQ	Duborg, George.	6OR	Nielson, Fred.	6SD	Shaffer, Charles.
6LR	Baker, Jesse Edgar.	6OT	Tyler, Otto.	6SE	Preston, Harold.
6LS	Cooksey, Claybourne D.	6OU	Hawley, George N.	6SF	Fuller, Etson Sidney.
		6OV	Atkins, Carl.	6SG	Themer, Francis.
6LT	Farollita, Dominic A.	6OW	Schiedmantel, Oscar.	6SH	MacQuarrie, Harold.
6LU	Oliver, Leslie.	6OX	Martin, Andrew W.	6SI	Hoyt, Leander L.
6LV	Passage, Raye.	6OY	Dodson, L. O.	6SJ	Lopez, John.
6LW	Phelps, Allen G.	6OZ	Sanford, J. Gordon.	6SK	Skasle, A. J.
6LX	Parkin, John.			6SL	Hart, Cedric Elliott.
6LY	Ladley, W. A.	6PA	Heling, E. C.	6SM	Smith, Seth.
6LZ	Burgess, Charles W.	6PB	Pagh, Val.	6SN	Edwards, Lewis.
		6PC	Bumbaugh, Harold.	6SO	Parkin, Gladys K.
6MA	Montgomery, Alvin R.	6PD	Somers, William.	6SP	Rathbun, Theodore.
6MB	Jopson, Frank.	6PE	Fleming, Robert.	6SQ	Fonseca, Arthur.
6MC	McGown, Dudley B.	6PG	Spatafore, Joseph.	6SR	Shelton, Dr. R. O.
6ME	Gregory, Marshall.	6PH	Nelson, Harry.	6SS	Morrow, James W.
6MF	Fitzpatrick, Gerald.	6PI	Furman, Oliver.	6ST	Spencer, H. E.
6MI	Hooper, Herbert D.	6PJ	Gale, Paul.	6SU	Sutherland, C.
6MJ	Hickman, Roger Wayne.	6PK	Latta, Paul.	6SV	Wright, Harlow.
		6PL	Kubias, R. M.	6SW	Anderson, Elroy E.
6ML	Manning, Harold V.	6PM	Hamilton, O. J.	6SX	Johnson, A. E.
6MM	Moore, Norval E.	6PN	Nesbit, Paul.	6SY	Josephs, Howard.
6MN	Maher, Edward T.	6PO	Drath, Walter.		
6MO	Dargitz, Jesse L.	6PQ	Thornton, George.		
6MP	Parson, William.	6PR	Murkett, Philip T.		
6MQ	Anderson, Sante.	6PS	Wilkins, Roy.		
6MR	Neher, Loyal A.	6PT	Nulson, William B.		
6MS	McArdle, James J.	6PU	Hamilton, Howard.		
6MV	MacMullan, Gerald.	6PV	Henn, C. W.		
		6PX	Barlow, Roy.		

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6TA	Nelk, T. J.	6UK	Heald's Business College.	6VS	Brundige, Reginald.
6TB	Dietz, Irwin.	6UL	Cordano, Dante H.	6VT	Schleicher, Lorenz.
6TC	Wright, Howard.	6UM	Schack, Fred.	6VU	Vonderheide, Harold
6TD	Dowling, Thomas.	6UN	Shaw, William.		H.
6TE	Heuter, Noble.	6UO	Polkinghorn, Frank	6VV	Wallace, Forrest.
6TF	Seely, Frank.		A.	6VY	Kreiss, R. L.
6TG	Blodgett, Harry.	6UP	Cresswell, Frank, jr.	6VZ	Strawn, Harold.
6TH	Fabian, Ernest.	6UQ	Thomson, C. E.	6WA	Van Why, Forbes.
6TI	O'Dell, James J.	6UR	Link, R. L.	6WB	Moller, Wm., jr.
6TJ	Warner, Stafford W.	6US	Gibson, Walter.	6WC	Kirby, H. F.
6TK	Robinson, Sidney E.	6UT	Everard, Charles.	6WD	Martinelli, Ennio Hill-
6TL	Grow, Frank.	6UU	Shaffner, Lucius.		ler.
6TM	Lee, Howard.	6UV	Fassett, Lee.	6WE	Tulp, Ralph.
6TN	Snyder, Andy B.	6UW	Maynes, W. W.	6WF	Ford, Walter B.
6TO	McFarn, Arthur.	6UY	Everhart, Lawrence.	6WG	Strong, William A.
6TP	Johnson, Harold.	6UZ	Schellenbach, Ray.	6WH	Fabling, W. D.
6TQ	Emmerton, Alfred.	6VA	White, Richard.	6WI	Powell, Jos.
6TR	Farrill, Raymond.	6VC	Gottwald, Eugene.	6WJ	Bickel, John.
6TT	Stewart, Francis.	6VD	Loudon, Donald F.	6WK	Nickels, Lee.
6TU	Barnett, Thomas.	6VE	Beraldo, Dewey.	6WL	Leland, Wallace.
6TV	Seitel, T. Benton.	6VF	Leigh, P. P.	6WM	Ludlow, William.
6TW	Taylor, Hope.	6VG	Fowler, L. D.	6WN	Klem, Cleve.
6TX	Thacker, R. M.	6VH	Blackstone, C. M.	6WO	Walters, W. E.
6TY	York, Darwin.	6VI	Pressell, W. R.	6WP	Brown, N. C.
6TZ	Christenson, Howard.	6VJ	Kinsman, Jos. W.	6WQ	Cowles, John.
6UA	Asadorian, Theodore	6VK	Kemp, Victor.	6WR	Spare, Wilson.
	N.	6VL	Bell, Oran M.	6WS	Schneider, W. P.
6UC	Nusser, George.	6VM	Clark, Herbert.	6WT	Mann, Frank.
6UD	Bltz, Vernice.	6VN	Carter, Robert.	6WU	Weddell, Clarence.
6UE	Kramer, Augustus A.	6VO	Lee, John.	6WV	Ebb, Walter R.
6UH	Gates, Howard.	6VP	Redmond, Joseph.	6WX	Ebert, William.
6UI	Helmer, Glenn.	6VR	Sisson, W. L.	6WY	Young, William.
6UJ	Day, E. C.			6WZ	Berringer, Hall.

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.
7KH	Adams, Alfred I.	Silverton, Ore.	Kw. 0.5
7EA	Adams, Edson.	1131 South E St., Tacoma, Wash.	.5
7KK	Adams, Le Roi T.	384 Monroe St., Portland, Ore.	.5
7DE	Aiken, Robert L.	306 W. Mohawk St., Portland, Ore.	.5
7OF	Allard, Ambrose.	Evanston, Wyo.	.5
7LC	Anderson, Leonard.	218 9th Ave., N., Seattle, Wash.	1.0
7HA	Andrews, Horton R.	2105 45th St., SW., Seattle, Wash.	.5
7KJ	Armstead, James H.	109 Cherry St., Centralia, Wash.	1.0
7BJ	Baillargeon, George J.	St. Martin's College, Lacey, Wash.	.5
7FD	Bancroft, Harvey.	3024 Kromer Ave., Everett, Wash.	.5
7JA	Barnhise, Howard.	505 North I St., Tacoma, Wash.	.5
7BU	Barrell, Dana A.	839 W. Pennsylvania Ave., Medford, Ore.	1.0
7LS	Barrett, George G.	1200 9th Ave., Lewiston, Idaho.	1.0
7BF	Bay, Frank W.	1513 Adams Ave., La Grande, Ore.	.5
7BL	Bennett, John S.	419 Karr Ave., Hoquiam, Wash.	.5
7QD	Benoit, Neville R.	869 S. 41st St., Tacoma, Wash.	.5
7VB	Bird, Vernon J.	406 W. 12th St., Vancouver, Wash.	.5
7BA	Bishoff, Clarence L.	7417 53d Ave. SE., Portland, Ore.	.5
7DJ	Blagen, Henry W.	914 Maple St., Hoquiam, Wash.	1.0
7PC	Boardwell, Perry L.	Camas, Wash.	.5
7OK	Bode, Hugo P.	6315 Beacon Ave., Seattle, Wash.	.5
7DB	Bolstad, Archie L.	1832 4th Ave., W., Seattle, Wash.	.5
7TB	Borders, Lawrence.	1084 Water St., Portland, Ore.	.5
7BT	Boslar, Orin E.	Vancouver, Wash.	.5
7HB	Breum, Helmer O.	3116 S. Madison St., Tacoma, Wash.	1.0
7GB	Butterfield, George H.	815 Kearney St., Portland, Ore.	1.0

AMATEUR RADIO STATIONS—Continued.

SEVENTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kv.
7MK	Callender, Melville H.	593 15th St., Astoria, Oreg.	0.5
7CT	Carpenter, Edward L., jr.	119 E. 5th St., Aberdeen, Wash.	.5
7HE	Carroll, Thomas M.	1913 E. Alder St., Seattle, Wash.	.5
7WC	Cates, Walter C.	1704 Franklin St., Vancouver, Wash.	1.0
7LI	Cavender, Howard M.	511 Terry Ave., Seattle, Wash.	.5
7QF	Chafee, Arthur L.	3637 Woodland Park Ave., Seattle, Wash.	.5
7NA	Charlton, Chase.	108 Galer St., Seattle, Wash.	.5
7CQ	Christianson, Herbert.	112 W. Poplar St., North Yakima, Wash.	.5
7CV	Clark, G. Warren.	Lents, Oreg.	.5
7AE	Clark, Gaylord S.	Greybull, Wyo.	.5
7NC	Clodfelter, Nolan A.	1221 E. Madison St., Portland, Oreg.	.5
7RC	Cook, Richard H.	324 North I St., Tacoma, Wash.	1.0
7EI	Craig, Russell E.	1420 Division Ave., Tacoma, Wash.	.5
7DC	Crockett, George D.	1420 Hawthorne Ave., Portland, Oreg.	.5
7CA	Crosby, Edward J.	508 E. Sharp Ave., Spokane, Wash.	.5
7HC	Cutting, H. Everett.	318 N. Black Ave., Bozeman, Mont.	.5
7AC	Dalley, A. C.	3915 Colby St., Everett, Wash.	1.0
7DP	Dann, Percy W.	6315 63d Ave., SE., Portland, Oreg.	.5
7HD	Davis, Hubert A.	1904 Canoe Pl., Seattle, Wash.	.5
7AT	Deady, Joseph.	1002 E. Jefferson St., Seattle, Wash.	.5
7DO	De Guire, Ollan.	Silverton, Oreg.	.5
7CD	De Lacy, Clinton.	1906 South J St., Tacoma, Wash.	.5
7EG	Denham, Ray A.	3230 Campbell St., Baker, Oreg.	1.0
7EM	Divine, Louis R.	1010 E. 7th St., Vancouver, Wash.	.5
7DK	Drake, Edward F.	2304 N. Anderson St., Tacoma, Wash.	.5
7DQ	Drinker, Russell.	1003 Lynn Ave., Portland, Oreg.	1.0
7VD	Du Cette, Victor.	4023 Meridian Ave., Seattle, Wash.	.5
7NB	Duncan, Thomas W.	802 Gerald Ave., Missoula, Mont.	.5
7DT	Dupea, Eldred E.	707 S. Cushman Ave., Tacoma, Wash.	.5
7CN	Emlgh, Charles.	335 Grove St., Walla Walla, Wash.	1.0
7DN	Engholm, Bernard.	9 N. 9th Ave., North Yakima, Wash.	1.0
7FF	Farris, Frank E.	1010 Spring St., Olympia, Wash.	.5
7VW	Fitzpatrick, George.	3245 Ferdinand St., Seattle, Wash.	.5
7FI	Fraser, James E.	1105 West A St., North Yakima, Wash.	.5
7FK	Gale, Charles W.	111 E. 48th St., Portland, Oreg.	.5
7SG	Glanell, Salver A.	517 E. Sharp Ave., Spokane, Wash.	.5
7GF	Gibbs, Francis F.	512 E. 4th St., Hood River, Oreg.	.5
7NL	Goodner, Ernest F.	Lincoln High School, Seattle, Wash.	1.0
7DI	Goodger, Donnan P.	4214 Interlake Ave., Seattle, Wash.	.5
7QR	Gratke, Charles E.	517 Grand Ave., Astoria, Oreg.	.5
7ND	Grush, David R.	383 10th St., Astoria, Oreg.	.5
7GO	Hagen, Bert W. R.	217 N. Miles Ave., North Yakima, Wash.	.5
7RI	Hager, Clement S.	1019 E. 64th St., Tacoma, Wash.	.5
7LJ	Harder, Louis.	360 Hancock St., Portland, Oreg.	.5
7JI	Harding, James R.	3434 Commercial St., Salem, Oreg.	1.0
7KC	Harker, Theodore C.	920 Sumner St., Sheridan, Wyo.	.5
7EE	Hawkins, Edward K.	1800 27th Ave. S., Seattle, Wash.	.5
7HO	Hawkins, Ernest P.	556 Grand Ave., Astoria, Oreg.	.5
7HQ	Hayden, Henry T., jr.	Port Townsend, Wash.	.5
7OC	Helfort, Earle R.	707 Lincoln St., Port Townsend, Wash.	.5
7GC	Henny, George C.	530 Heights Ter., Portland, Oreg.	.5
7FN	Holloway, William L., jr.	428 Hemlock St., Helena, Mont.	.5
7FS	Horstman, Herschel J.	807 4th St., La Grande, Oreg.	.5
7BQ	Howard, Cecil C.	408 Benton St., Portland, Oreg.	.5
7GP	Hunter, Guy A.	518 Willow St., Port Townsend, Wash.	.5
7JH	Hurt, John N.	1067 E. Burnside St., Portland, Oreg.	.5
7EK	Ives, Jesse F.	301 N. 32d St., Seattle, Wash.	.5
7AI	Johnson, Clifford E.	1004 N. Adams St., Tacoma, Wash.	.5
7JP	Jolly, Charles W.	507 Prospect Ave., Lewiston, Idaho.	.5
7JL	Jones, Lloyd W.	134 E. 45th St., Portland, Oreg.	.5
7PJ	Jones, Paul.	Wheatland, Wyo.	.5
7CJ	Josephson, Carl L.	638 Commercial St., Astoria, Oreg.	.5
7BV	Joyce, Theodore W.	206 E. 19th St. N., Portland, Oreg.	.5
7KR	Keefe, Robert M.	121 Avenue D, Snohomish, Wash.	.5
7BO	Keinath, Alvin.	246 Going St., Portland, Oreg.	.5
7WJ	Kennedy, William.	Tillamook, Oreg.	.5
7RK	Kertson, Ross J.	3224 E. 28th St., Portland, Oreg.	.5
7JC	Keyes, John A.	1004 North K St., Tacoma, Wash.	.5
7WK	Kleist, Walter A.	902 S. Yakima Ave., Tacoma, Wash.	1.0
7KO	Koehler, Frank A.	603 E. Davis St., Portland, Oreg.	.5
7PV	Kraft, Vincent I.	4745 N. 11th Ave., Seattle, Wash.	1.0
7CK	Larson, Elwood A.	733 E. 38th Ave., Spokane, Wash.	.5
7NI	Learned, George H.	Forest Grove, Oreg.	.5
7FQ	Lewis, Harold H.	R. F. D. No. 2, Lewiston, Idaho.	.5
7FL	Ling, Frank Moy.	506 Mill St., Portland, Oreg.	.5
7LQ	Linsley, Harry.	Evanston, Wyo.	.5

AMATEUR RADIO STATIONS—Continued.

SEVENTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
7HL	Longmire, Harold D.	408 32d St. S., Tacoma, Wash.	Kw. 0.5
7LU	Ludgate, Wallace, Jr.	2190 Alki Ave., Seattle, Wash.	. . . . . 5
7LL	Lunan, Leslie.	806 South M St., Tacoma, Wash.	. . . . . 5
7LN	Lyman, Rollo.	905 N. Ave., La Grande, Oreg.	. . . . . 5
7LB	Maban, Le Roy J.	644 Exchange St., Astoria, Oreg.	. . . . . 1.0
7HK	Mahler, Harold E.	4730 20th Ave. N.E., Seattle, Wash.	. . . . . 1.0
7MT	Matthews, Harold L.	2922 S. Adams St., Tacoma, Wash.	. . . . . 5
7QL	Manca, Angelo C.	1816 E. Jefferson St., Seattle, Wash.	. . . . . 5
7MQ	Marquis, A. N., Jr.	618 Spring St., Seattle, Wash.	. . . . . 5
7DL	Mason, Dwight A.	817 N. 13th St., Tacoma, Wash.	. . . . . 5
7ML	Mason, Howard F.	3566 Morgan St., Seattle, Wash.	. . . . . 5
78A	Maybee, Loren C.	104 Depot St., Milton, Oreg.	. . . . . 5
7TW	McCord, David T. W.	251 St. Clair St., Portland, Oreg.	. . . . . 5
7DU	McCoy, Harry.	116 N. Washington Ave., Centralia, Wash.	. . . . . 1.0
7CU	McDermott, Thomas H.	339 26th Ave., Seattle, Wash.	. . . . . 5
7CP	McElwee, James.	301 N. Grand Ave., Bozeman, Mont.	. . . . . 5
7DD	McKinnon, Daniel.	Spiketon, Wash.	. . . . . 5
7MJ	Mead, Walter J.	Nehalem, Oreg.	. . . . . 1.0
7FJ	Miller, Clinton E.	394 11th St., Portland, Oreg.	. . . . . 5
7EM	Miller, E. Clarence.	504 E. Republican St., Seattle, Wash.	. . . . . 5
7MF	Miller, George C.	1005 E. Division Lane, Tacoma, Wash.	. . . . . 1.0
7DM	Minkler, Darrell.	9 Mistletoe St., Medford, Oreg.	. . . . . 1.0
7MW	Mitchell, Walter L.	3613 Densmore Ave., Seattle, Wash.	. . . . . 5
7AG	Moe, George.	4118 Tyler St., Tacoma, Wash.	. . . . . 5
7AF	Moore, Alvin.	634 E. 56th St., Portland, Oreg.	. . . . . 5
7QN	Moore, E. H.	Queene Anne High School, Seattle, Wash.	. . . . . 5
7NK	Nelson, Julius F.	Rathdrum, Idaho.	. . . . . 5
7ON	Nicholson, W. Otto.	3115 S. 7th St., Tacoma, Wash.	. . . . . 1.0
7NH	Nilsen, George A.	4028 East K St., Tacoma, Wash.	. . . . . 5
7LD	Noel, Lionel S.	Snohomish, Wash.	. . . . . 5
78N	Norman, Stacy W.	137 79th St., Seattle, Wash.	. . . . . 5
7EN	O'Connell, John.	1104 O Ave., La Grande, Oreg.	. . . . . 5
7OA	O'Connor, William C.	1029 E. Clackamas St., Portland, Oreg.	. . . . . 5
7OM	Ormsby, Major.	438 S. Center St., Casper, Wyo.	. . . . . 1.0
7PK	Palmer, Robert S.	1321 Columbia St., Hood River, Oreg.	. . . . . 5
7PL	Patterson, Fred.	865 Williams Ave., Portland, Oreg.	. . . . . 1.0
7LP	Peek, Loyd A.	4916 Wallingford Ave., Seattle, Wash.	. . . . . 5
7EP	Peterson, Edward T.	718 E. Ash St., Portland, Oreg.	. . . . . 5
7HN	Phkman, Herbert N.	1330 8th Ave., Seattle, Wash.	. . . . . 1.0
7VP	Pitner, Vearl.	4118 S. Grand Blvd., Spokane, Wash.	. . . . . 1.0
7PO	Poole, Orell A.	Wallowa, Oreg.	. . . . . 5
7JP	Ralston, Graham W.	Port Townsend, Wash.	. . . . . 5
7JB	Ramsay, James S.	215 E. 9th St., Ellensburg, Wash.	. . . . . 5
7PF	Rasmussen, Viggo P.	1215 Hudson St., Port Townsend, Wash.	. . . . . 5
7JQ	Ray, James.	2028 6th Ave., Seattle, Wash.	. . . . . 5
7GQ	Roeder, Ardis H.	412 South K St., Tacoma, Wash.	. . . . . 5
7HR	Reichert, Howard G.	1014 E. 30th St., Tacoma, Wash.	. . . . . 1.0
7JN	Richards, John, Jr.	143 Matte St., Meaderville, Mont.	. . . . . 5
7AV	Root, Charles W.	905 S. Jersey St., St. Johns, Oreg.	. . . . . 5
7BN	Rose, Donald W.	717 Lynn Ave., Portland, Oreg.	. . . . . 5
7AP	Rosedale, Archie E.	267 9th St., Astoria, Oreg.	. . . . . 5
7KD	Runyard, A. Don.	706 Dakota St., Medford, Oreg.	. . . . . 1.0
7FR	Rush, Floyd M.	930 S. 13th St., Salem, Oreg.	. . . . . 5
7RF	Rybert, Roy E.	525 Federal Ave., Seattle, Wash.	. . . . . 5
78P	Samms, Philip C.	415 9th Ave. S., Pocatello, Idaho.	. . . . . 1.0
7NS	Sanborn, Ned.	501 M St., Hoquiam, Wash.	. . . . . 5
78D	Schurch, Edward C.	Deer Lodge, Mont.	. . . . . 5
7BK	Smeak, Earl.	490 Morrison St., Portland, Oreg.	. . . . . 5
78C	Sparks, A. Eldon.	1029 Walnut St., Baker, Oreg.	. . . . . 5
7GE	Spencer, Guy E.	446 6th St., Portland, Oreg.	. . . . . 5
7WS	Sparrow, William T.	932 W. 63d St., Seattle, Wash.	. . . . . 1.0
7CS	Spike, Clifford.	806 South I St., Tacoma, Wash.	. . . . . 5
7MR	Spiker, Emmet E.	715 10th St., Lewiston, Idaho.	. . . . . 5
7RS	Starr, Eugene C.	Falls City, Oreg.	. . . . . 5
7MS	Steenen, Mark D. S.	206 N. Nachez Ave., North Yakima, Wash.	. . . . . 5
7LV	Steno, Alvin.	1922 South J St., Tacoma, Wash.	. . . . . 5
78J	Stewart, Glenn R.	111 W. 8th St., Ellensburg, Wash.	. . . . . 1.0
78L	Stinson, Leo.	2428 Pacific Ave., Hoquiam, Wash.	. . . . . 5
78F	Stoner, Lloyd E.	R. F. D. No. 1, Astoria, Oreg.	. . . . . 5
78W	Swan, Emil.	1461 Portsmouth Ave., Portland, Oreg.	. . . . . 1.0
7RH	Teeson, Robert.	Camas, Wash.	. . . . . 5
7DH	Tennican, Leonard S.	4016 Colby Ave., Everett, Wash.	. . . . . 1.0
7NF	Tingstad, Anton R.	2128 S. Wilkeson St., Tacoma, Wash.	. . . . . 5
7JR	Tolmie, Mack R.	1213 Columbia St., Seattle, Wash.	. . . . . 5
7RT	Trapeur, Robert E.	909 Madison St., Port Townsend, Wash.	. . . . . 5
7PG	Truesdell, Herbert M.	2730 E. 53d St., Seattle, Wash.	. . . . . 5

AMATEUR RADIO STATIONS—Continued.

SEVENTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
7FP	Trumbull, William L.	365 McGrew St., Seattle, Wash.	1.0
7JU	Tuerck, John K.	495 Harrison St., Portland, Ore.	.5
7VN	Van Olinda, Oliver S.	R. F. D. No. 1, Vashon, Wash.	.5
7VA	Vreeland, Thad.	210 Graham Ave., Portland, Ore.	1.0
7WR	Walling, Raymond.	946 S. 12th St., Salem, Ore.	.5
7KM	Watkins, Leslie W.	Wheatland, Wyo.	.5
7SI	Weagle, S. A.	2006 Cove Ave., La Grande, Ore.	.5
7LF	White, Lester T.	1090 Water St., Portland, Ore.	.5
7WA	White, Ruel.	313 W. 4th St., Vancouver, Wash.	1.0
7MA	Wiley, Irving R.	1214 East Madison St., Portland, Ore.	.5
7AU	Wilkinson, Albert E.	Y. M. C. A. Bldg., Baker, Ore.	.5
7BW	Williams, Charles E.	8326 13th Ave. N.W., Seattle, Wash.	.5
7DW	Willis, Cecil D.	1316 Columbia St., Seattle, Wash.	.5
7WL	Wilson, Herbert A.	365 14th St., Astoria, Ore.	.5
7JW	Wilson, John C.	295 N. 24th St., Portland, Ore.	1.0
7LW	Wollaston, Arthur L.	221 N. 11th Ave., Seattle, Wash.	.5
7RW	Wright, Raymond F.	R. F. D., Port Orchard, Wash.	.5
7EY	Young, Farrel.	422 S. 2d St., Pocatello, Idaho.	1.0

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
7AC	Dalley, A. C.	7DT	Dupea, Eldred C.	7JH	Hurt, John N.
7AE	Clark, Gaylord S.	7DU	McCoy, Harry.	7JI	Harding, James R.
7AF	Moore, Alvin.	7DV	Sheard, Harold P.	7JK	Wilson, John C.
7AG	Moe, Edwin C.	7DW	Willis, Cecil D.	7JL	Jones, Lloyd W.
7AJ	Johnson, Clifford E.	7EB	Galloway, Walter H.	7JN	Richards, John, Jr.
7AP	Rosendale, Archie E.	7EE	Hawkins, Edward K.	7JP	Jolly, Charles W.
7AT	Deady, Joseph.	7EG	Denham, Ray A.	7JQ	Ray, James.
7AU	Wilkinson, A. E.	7EH	Noorlin, Paul V.	7JR	Toimie, J. R.
7AV	Root, Charles W.	7EI	Craig, Russell R.	7JS	Ramsey, James S.
7BA	Bischoff, Clarence L.	7EK	Ives, Jesse F.	7JU	Tuerck, John K.
7BF	Bay, Frank W.	7EM	Divine, Louis R.	7KC	Harker, Theodore C.
7BL	Bennett, John S.	7EN	O'Connell, John.	7KH	Adams, Alfred L.
7BN	Rose, Donald W.	7EP	Peterson, Edward T.	7KI	Harrington, H. O.
7BO	Kelmath, Alvin.	7EY	Young, Farrel.	7KJ	Armstead, James H.
7BQ	Howard, Cecil C.	7FD	Bancroft, Harvey.	7KK	Adams, LeRoy F.
7BT	Boslar, Orin E.	7FF	Paris, Frank E.	7KM	Watkins, Leslie W.
7BU	Barrell, Dana A.	7FI	Fraser, James E.	7KO	Koehler, Frank.
7BV	Joyce, Theodore W.	7FJ	Miller, Clinton E.	7KR	Keele, Robert M.
7BW	Williams, Charles E.	7FK	Gale, Charles W.	7LB	Mahn, LeRoy J.
7CA	Crosby, Edward J.	7FL	Ling, Frank Moy.	7LD	Noel, Lionel S.
7CD	Delancey, Clinton.	7FP	Trumbull, Wm. L.	7LF	White, Lester T.
7CJ	Josephson, Carl L.	7FQ	Lewis, Harold H.	7LI	Cavender, Howard M.
7CK	Larson, Elwood A.	7FR	Rush, Floyd M.	7LJ	Harder, Louis.
7CN	Emigh, Charles.	7FS	Horstman, Herschel J.	7LL	Lunan, Leslie.
7CP	McElwee, James.	7GB	Butterfield, Geo. H.	7LN	Lyman, Rollo.
7CQ	Christianson, Herbert.	7GC	Henny, George C.	7LP	Peck, Loyd A.
7CS	Spike, Clifford.	7GE	Spencer, Guy E.	7LQ	Linsley, Harry.
7CT	Carpenter, Edw. L., Jr.	7GF	Gibbs, Francis F.	7LS	Barrett, George G.
7CV	Clark, G. Warren.	7GL	Manca, Angelo C.	7LU	Ludgate, Wallace G. Jr.
7DB	Bolstad, Archie L.	7GO	Hagen, Bert W. R.	7LV	Stense, Alvin.
7DC	Crockett, George D.	7GP	Hunter, Guy A.	7LW	Wollaston, A. L.
7DE	Aiken, Robert Leon.	7GQ	Reeder, Addis H.	7MA	Wiley, Irving R.
7DEH	Tennican, Leonard S.	7GR	Gratke, Charles E.	7MF	Miller, George C.
7DI	Goodger, Donnan.	7HA	Andrews, Horton R.	7MJ	Mead, Walter J.
7DJ	Blagen, Henry W.	7HD	Davis, Hubert A.	7MK	Candler, Melville H.
7DK	Drake, Edward F.	7HE	Carroll, Thomas M.	7ML	Mason, Howard F.
7DL	Mason, Dwight A.	7HK	Mahler, Harold F.	7MR	Spike, Emmett E.
7DM	Minkler, Lee D.	7HL	Longmire, Harold D.	7MS	Steenison, Mark.
7DN	Engholm, Bernard.	7HN	Pinkman, Herbert N.	7MT	Matthews, Harold.
7DO	Dequire, Olfan.	7HO	Hawkins, Ernest F.	7MW	Mitchell, Walter.
7DP	Dann, Percy W.	7HQ	Hayden, Harry T., Jr.	7NC	Clodfelter, Nolan A.
7DQ	Drinker, Russell.	7HR	Reichert, Howard G.	7ND	Grush, David R.
		7HY	Hicklyn, Harold H.		

AMATEUR RADIO STATIONS—Continued.

SEVENTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
7NF	Tingstad, Anton R.	7QD	Benoit, Neville R.	7SL	Stinson, Leo.
7NH	Nilson, George A.	7QF	Chaffee, Arthur L.	7SN	Norman, Stacy W.
7NI	Learned, George H.	7QN	Moore, E. H.	7SP	Samms, Philip C.
7NK	Nelson, Julius F.			7SW	Swan, Emil.
7NL	Godger, Ernest F.	7RC	Cook, Richard H.		
7NS	Sanborn, Ned.	7RD	Runyard, A. Don.	7TB	Borders, Lawrence.
		7RF	Ryeberg, Roy E.		
7OA	O'Connor, William C.	7RH	Teeson, Robert.	7VA	Vreeland, Thad.
7OC	Helfort, Earle R.	7RI	Hager, Clement S.	7VB	Bird, Vernon.
7OF	Allard, Ambrose.	7RK	Kertson, Ross J.	7VD	Ducette, Victor N.
7OK	Bode, Hugo P.	7RS	Starr, Eugene C.	7VN	Van Olanda, O. S.
7OM	Ormsby, Major.	7RT	Trapeur, Robert E.	7VP	Pitner, Veral.
7ON	Nicholson, Wm. O.	7RW	Wright, Raymond F.	7VW	Fitzpatrick, George.
7PF	Rasmussen, Viggo P.	7SA	Maybee, Loren C.	7WA	White, Ruel.
7PG	Truesdell, Herbert M.	7SB	Sparks, Aurelius E.	7WC	Cates, Walter C.
7PJ	Jones, Paul.	7SD	Schurck, Edward C.	7WJ	Kennedy, Will.
7PK	Palmer, Robert S.	7SE	Stoner, Lloyd E.	7WK	Kleist, Walter A.
7PL	Patterson, Fred.	7SG	Gianelli, Salver A.	7WL	Wilson, Herbert A.
7PO	Foole, Orell A.	7SH	Schrotke, Christian.	7WP	Ralston, Graham W.
7PV	Kraft, Vincent I.	7SI	Weagel, S. A.	7WR	Walling, Raymond.
		7SJ	Stewart, Glenn R.	7WS	Sparrow, William T.

EIGHTH DISTRICT.

[Headquarters: Customhouse, Detroit, Mich. 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>Kw.</i>
8EB	Aber, Ernest M., jr.	352 W. Ferry St., Buffalo, N. Y.	0.5
8BT	Ackerman, Edmund K.	1698 E. 90th St., Cleveland, Ohio.	1.0
8VO	Ackerman, John T., Jr.	330 Mathewson St., Flint, Mich.	1.0
8ARX	Ackley, William J.	72 Halstead Ave., Buffalo, N. Y.	.5
8AOR	Adams, Joy C.	48 N. Wabash Ave., Battle Creek, Mich.	1.0
8UY	Adams, Lucius O.	85 De Russey St., Binghamton, N. Y.	1.0
8AKU	Adams, Miles R.	Sanitaria Springs, N. Y.	.5
8ALN	Addis, Roy R.	46 Jones St., Mt. Clemens, Mich.	1.0
8DZ	Aker, Ellison E.	520 Woodward Ave., Lima, Ohio.	1.0
8AEQ	Albertson, W. Charles.	5400 Stanton Ave., Pittsburgh, Pa.	.5
8RL	Alexander, Frank.	34 Asbury St., Rochester, N. Y.	.5
8ALE	Alexander, Lot and Hoge.	537 Center St., Grove City, Pa.	.5
8RS	Alger, Allan E.	214 Arizona Ave., Lorain, Ohio.	1.0
8AMJ	Allan, Donald.	3237 Dayton Ave., Cincinnati, Ohio.	.5
8WC	Allyn, William P.	Glenville High School, Cleveland, Ohio.	1.0
8AMG	Aldtoerffer, Frank H.	633 Maplewood Ave., Ambridge, Pa.	.5
8RN	Altman, Allen R.	6710 Hudson Pl., Pittsburgh, Pa.	1.0
8AJO	Amann, Joseph C.	393 Oak Hill Ave., Youngstown, Ohio.	.5
8TX	Anders, Harry R.	Decatur, Mich.	.5
8JW	Anderson, Joseph D.	631 E. 127th St., Cleveland, Ohio.	1.0
8AAB	Anderson, L. K.	Youngstown, Ohio.	.5
8KH	Angel, Jay L.	R. F. D. No. 1, Bowling Green, Ohio.	.5
8KA	Ankerman, Roy E.	403 E. Lima St., Wapakoneta, Ohio.	1.0
8AMQ	Anson, Charles T.	Ausable Forks, N. Y.	.5
8AGG	Anton, William G.	224 S. Rebecca St., Pittsburgh, Pa.	.5
8DW	Apper, Charles O.	555 18th St., Detroit, Mich.	.5
8NL	Appel, Floyd.	310 Short St., Erie, Pa.	.5
8NG	Arenson, William.	211 W. Exchange St., Akron, Ohio.	1.0
8JN	Arthurs, Biddle, jr.	3046 Centre Ave., Pittsburgh, Pa.	.5
8ADP	Auten, George C.	Oberlin, Ohio.	1.0
8AMY	Atkinson, Earl W.	723 S. Arch Ave., Alliance, Ohio.	.5
8ACR	Atkinson, Ward I.	95 Rutgers St., Rochester, N. Y.	.5
8ANO	Baisley, J. Everett.	32 George St., Wyandotte, Mich.	.5
8APK	Bachtel, Alfred.	Akron, Ohio.	.5
8AAW	Baer, Walter D.	350 Graham St., Pittsburgh, Pa.	1.0
8ARF	Baillie, Howard L.	26½ W. Church St., Newark, Ohio.	.5
8AKC	Bain, Ovid.	1731 E. Center St., Marion, Ohio.	.5
8AJI	Baker, Gerald M.	123 Market St., Edinboro, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
8FF	Baker, Raymond S.	39 Steele Ave., Gloversville, N. Y.	1.0
8VP	Ball, Alfred	Hubbard, Ohio.	1.0
80M	Balsley, James I.	109 S. Cottage Ave., Connellsville, Pa.	.5
8AEH	Balson, Donald W.	243 E. College St., Oberlin, Ohio.	.5
8FW	Banes, Charles C. A.	143 Chess St., Monongahela City, Pa.	.5
8NU	Barker, Gilroy	2901 W. Liberty Ave., Dormont, Pa.	.5
8WW	Barnes, Orton S.	215 Main St., Binghamton, N. Y.	1.0
8CC	Barnett, Walter J.	269 S. Goodman St., Rochester, N. Y.	.5
8QE	Barnhart, Walter	Beaver, Pa.	.5
8AB	Barr, Forrest L.	R. F. D. No. 1, Vickery, Ohio.	.5
8ADW	Barris, Allen	R. F. D. No. 4, Silver Creek, N. Y.	.5
8AT	Barton, Howard	3 Clay St., Le Roy, N. Y.	1.0
8QX	Basinger, Roswell	Columbus Grove, Ohio.	.5
8ACT	Banmgardner, Donald G.	Demster, N. Y.	.5
8SI	Beach, Walter R.	2180 E. 90th St., Cleveland, Ohio.	1.0
8AFU	Beaman, Paul S.	91 Mill St., Binghamton, N. Y.	.5
8JB	Beare, George L.	Columbus Ave. and Washington Row, Sandusky, Ohio.	1.0
8TZ	Beasley, Ira E.	S. Bell Ave., Lakewood, Ohio.	.5
8KF	Beck, Frank G.	119 Pennsylvania Ave., Greensburg, Pa.	1.0
8JP	Becker, Freeman A.	885 West Ave., Buffalo, N. Y.	.5
8APA	Beer, Frank P.	514 Jarvella St., Pittsburgh, Pa.	1.0
8ARW	Belinson, Meyer	165 Cedar St., Buffalo, N. Y.	.5
8AJU	Bell, Charles H.	5153 Fowler Ave., Cleveland, Ohio.	.5
8AIF	Bell, Irving	819 Wall St., Port Huron, Mich.	.5
8DO	Bell, Norman W.	424 Tarleton Ave., Pittsburgh, Pa.	1.0
8CF	Beller, Harold F.	731 W. Mary St., Bucyrus, Ohio.	.5
8KD	Benjamin, Carlisle	174 Glasgow St., Clyde, N. Y.	.5
8FZ	Bennett, Edward J.	1923 W. 75th St., Cleveland, Ohio.	.5
8ANR	Benson, Walfred	16 Central St., Battle Creek, Mich.	1.0
8CD	Benz, Carroll	326 S. 5th Ave., Ann Arbor, Mich.	.5
8ML	Berman, Isidore A.	849 Windham St., Cincinnati, Ohio.	.5
8AE	Berndt, William F.	608 Clark Ave., Detroit, Mich.	.5
8HS	Berry, L. Mack	131 W. Walnut St., Gafon, Ohio.	1.0
8TY	Bidwell, Paul	9990 Euclid Ave., Cleveland, Ohio.	1.0
8WP	Bidwell, Paul	11397 Glenwood Ave., Cleveland, Ohio.	.5
8CM	Bieber, Carl W.	16 Hauf St., Buffalo, N. Y.	.5
8GY	Birkel, Lawrence J.	700 Tibbets Ave., Springfield, Ohio.	.5
8AGL	Bishop, Robert C.	413 Locust St., Lockport, N. Y.	1.0
8AAL	Bishman, Richard F.	67 Foster Ave., Norwalk, Ohio.	.5
8ACK	Blair, Russell M.	3930 Ivanhoe Ave., Norwood, Ohio.	1.0
8HL	Blake, F. B.	Cattaraugus, N. Y.	.5
8FU	Blattner, E. Herman	73 Pardee St., Rochester, N. Y.	.5
8LP	Bly, Ralph	1358 Michigan Ave., Niagara Falls, N. Y.	.5
8UJ	Boardman, Thomas H.	624 Erie St., Port Huron, Mich.	1.0
8APN	Bock, Ashley P.	1112 W. North St., Kalamazoo, Mich.	1.0
8AGZ	Bohannan, Robert C.	226 E. 16th Ave., Columbus, Ohio.	1.0
8AQI	Bookwalter, John F.	1054 E. High St., Springfield, Ohio.	.5
8ALO	Bovee, Charles W.	105 Beethoven St., Binghamton, N. Y.	.5
8AAS	Bower, George C.	Blasdell, N. Y.	.5
8AKG	Bower, Orville D.	834 4th St., Marietta, Ohio.	.5
8ANB	Bower, Stanley	162 Elizabeth St., Marine City, Mich.	.5
8AOP	Bowyer, Glenn B.	Kinsman, Ohio.	.5
8OU	Boyer, Harry A.	89 Kibbie St., Mt. Clemens, Mich.	1.0
8AJG	Braatz, Eugene C.	Lowellville, Ohio.	.5
8JV	Bratton, Harry B.	Brecksville, Ohio.	.5
8CQ	Brede, Erwin F.	55 Melbourne Ave., Detroit, Mich.	.5
8AOK	Brewster, Fred J.	6904 Cedar Ave., Cleveland, Ohio.	.5
8AAJ	Brice, William E.	714 W. Market St., Lima, Ohio.	.5
8FR	Briggs, Fred G.	221 Forest St., Marion, Ohio.	.5
8KI	Brockway, Earl H.	421 E. Court St., Flint, Mich.	1.0
8TQ	Brooks, Clarence H.	278 Emerson St., Rochester, N. Y.	.5
8AG	Broome, Donald W.	100 Grand Ave., Mt. Clemens, Mich.	1.0
8AIM	Brothers, Loyd C.	Wellington, Ohio.	.5
8VC	Brown, Arthur B.	1218 E. Erie Ave., Lorain, Ohio.	1.0
8ADP	Brown, Clarence W.	R. F. D. No. 25, Akron, Ohio.	.5
8NY	Brown, Fred C.	Port Clinton, Ohio.	1.0
8UD	Brown, Kenneth W.	640 Harrison Ave., Scranton, Pa.	.5
8ANW	Brown, Le Roy	R. F. D. No. 8, Hamilton, Ohio.	.5
8WZ	Brown, Ralph M.	156 W. River St., Wilkes-Barre, Pa.	1.0
8AAP	Brown, Stanley F.	1 Aurora St., Lancaster, N. Y.	.5
8AAU	Brownell, Ralph	851 Prendergast Ave., Jamestown, N. Y.	.5
8AHE	Bruning, Miles F.	2842 Mt. Pleasant Ave., Hamilton, Ohio.	.5
8VS	Buck, Edward H.	61 Walker St., Tiffin, Ohio.	.5
8ARO	Bunning, Theodore	1671 Bruce St., Cincinnati, Ohio.	.5
8AQT	Burberry, Mahlon R.	627 Germania St., Columbus, Ohio.	.5

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
8VZ	Burchard, William K.	77 Hastings Ave., East Cleveland, Ohio.	Kw. 0.5
8AQN	Burdg, Clarence E.	5284 W. Center St., Marion, Ohio.	.5
8AIB	Burdick, George M. C.	251 Goodwin Ave., Detroit, Mich.	.5
8FI	Burger, Richard W.	822 S. McDonel St., Lima, Ohio.	.5
8ABA	Burgwardt, Frederick C. jr.	R. F. D. No. 2, Hamburg, N. Y.	.5
8ANJ	Burgoon, Wesley.	604 N. Baxter St., Lima, Ohio.	.5
8ALU	Burkhardt, George E.	286 Garson Ave., Rochester, N. Y.	1.0
8AGH	Burns, Herman E.	113 W. John St., Martinsburg, W. Va.	.5
8GA	Burr, Gordon.	7209 Clinton Ave., Cleveland, Ohio.	1.0
8RD	Burr, Roy C.	68 E. Elm St., Norwalk, Ohio.	1.0
8TA	Burson, John I.	238 W. Wood St., Youngstown, Ohio.	.5
8AGM	Burtis, Melvin M.	191 Goulding Ave., Buffalo, N. Y.	1.0
8CN	Burton, James F.	345 Whitman Ave., Bloomsburg, Pa.	1.0
8CT	Bush, Claude M.	R. F. D. No. 44, Weedsport, N. Y.	.5
8WO	Bush, Richard A.	255 Main St., Binghamton, N. Y.	1.0
8MH	Bushnell, Clarence E.	645 W. Ferry St., Buffalo, N. Y.	.5
8AID	Butine, Arthur B.	1203 N. Rose St., Kalamazoo, Mich.	.5
8LN	Butler, Harry F.	456 Mahoning St., Lehighton, Pa.	1.0
8AIA	Cady, Fred L.	448 Bowery St., Akron, Ohio.	.5
8AEX	Calkins, Norman.	2136 W. 100th St., Cleveland, Ohio.	.5
8VR	Calvert, George C.	5309 Ellsworth Ave., Pittsburgh, Pa.	1.0
8VH	Candler, Charles and Emma.	203 N. Ash St., St. Marys, Ohio.	1.0
8VY	Caplan, Zola.	4821 Centre Avenue, Pittsburgh, Pa.	.5
8AGW	Carlson, Wendell L.	37 Maple St., Jamestown, N. Y.	1.0
8ANY	Carpenter, Donald F.	65 W. Union St., Wilkes-Barre, Pa.	1.0
8AIT	Carpenter, Sears.	14234 Detroit Ave., Cleveland, Ohio.	.5
8ASO	Carr, Irving E.	1246 Roosevelt Ave., Flint, Mich.	.5
8AIY	Carroll, Stanley W.	312 2d St., Marietta, Ohio.	.5
8MV	Carson, William H.	1140 James St., Kalamazoo, Mich.	.5
8ED	Carver, Alfred J.	53 Wecker St., Buffalo, N. Y.	1.0
8VF	Case, J. Gifford.	76 Lozier St., Rochester, N. Y.	.5
8VI	Case, Harlow M.	Benzonia, Mich.	1.0
8PB	Case, Theodore J.	1609 S. University Ave., Ann Arbor, Mich.	.5
8ABG	Caswell, Frank A.	21 Dekalb St., Dayton, Ohio.	.5
8AFG	Cawley, Eugene H.	301 Chestnut St., Dunmore, Pa.	.5
8VP	C. F. Jackson Co.	Findlay, Ohio.	1.0
8UC	Chadde, Walter F.	117 Huntington Park, Rochester, N. Y.	.5
8JY	Chamberlain, Oscar A.	226 Eason Ave., Highland Park, Mich.	1.0
8AMA	Champe, Willard A.	2303 Robinwood Ave., Toledo, Ohio.	.5
8ADG	Chandler, Merle C.	1471 Winton Ave., Lakewood, Ohio.	.5
8VG	Chartener, Ralph R.	47 Allen Ave., Pittsburgh, Pa.	1.0
8NN	Chester, Allan.	50 E. Elm St., Norwalk, Ohio.	1.0
8API	Childs, Herbert R.	12 Bengel Ter., Rochester, N. Y.	.5
8SQ	Clarke, John H.	1010 Central Ave., Dunkirk, N. Y.	1.0
8FJ	Clausing, Leroy M. E.	406 Nye St., Lima, Ohio.	1.0
8AOH	Clauve, Carl E.	435 Shilito St., Cincinnati, Ohio.	.5
8AOW	Clem, Robert.	605 N. Jameson St., Lima, Ohio.	.5
8AJT	Clement, Russell C.	168 North Ave., Washington, Pa.	.5
8DV	Cobb, Rupert G.	17 E. Alexandrine Ave., Detroit, Mich.	.5
88L	Cocklin, Gilbert W.	Middlebranch, Ohio.	.5
8AET	Cole, Kenneth.	45 King St., Oberlin, Ohio.	.5
8SM	Coleman, H. Burr.	67 Maple St., Lyons, N. Y.	.5
8FG	Coleman, John B.	328 Locust St., Edgewood Park, Pa.	.5
8IM	Collins, Benjamin F.	152 N. 4th St., Steubenville, Ohio.	.5
8ABS	Colville, Perkins.	514 F. Buffalo St., Ithaca, N. Y.	1.0
8KO	Combs, Frayne L.	Blume High School, Wapakoneta, Ohio.	.5
8ASJ	Conner, Charles E.	726 Clinton St., Kalamazoo, Mich.	.5
8AIL	Conrad, Mark.	117 E. Crawford St., Van Wert, Ohio.	1.0
8PY	Cook, Vernor.	30 W. LaBelle St., Grand Rapids, Mich.	.5
8MX	Cooke, Lovell.	R. F. D. No. 3, Gobleville, Mich.	.5
8KU	Cookman, Murray R.	118 Glasgow St., Clyde, N. Y.	.5
8AOX	Cooley, Clair R.	298 Walbridge Ave., Toledo, Ohio.	.5
8RG	Copeland, Arthur H.	130 Harvard St., Rochester, N. Y.	.5
8LT	Copp, Stanley R.	5 W. Monument Ave., Dayton, Ohio.	.5
8KB	Core, Eugene D.	53 E. High St., Columbus Grove, Ohio.	1.0
8ARK	Corey, Dwight.	277 E. Perry St., Tiffin, Ohio.	.5
8QL	Corey, Harry E.	Richmond, Mich.	.5
8WV	Corts, Ray E.	243 May St., Buffalo, N. Y.	.5
8ART	Coughenour, Virgil J.	Plattsburg, Ohio.	.5
8AHK	Couperthwaite, George F.	52 Schiller St., Binghamton, N. Y.	.5
8AMD	Craig, Palmer.	3397 Glenmore Ave., Cincinnati, Ohio.	.5
8AOV	Cramer, Charles F.	115 N. Fountain St., Springfield, Ohio.	1.0
8AOG	Creps, John A.	1431 Lakewood Ave., Lima, Ohio.	.5
8OZ	Cromey, Leslie D.	221 Euclid Ave., Mt. Clemens, Mich.	.5
8OQ	Cross, Blakely E.	47 Burr St., Gloversville, N. Y.	.5
8ARG	Cross, Irving.	88 Chili Ave., Rochester, N. Y.	.5

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
8NJ	Crumbie, Goodwin B.	Plymouth, Mich.	0.5
8KX	Cuff, Harold C.	362 Walnut St., Buffalo, N. Y.	.5
8ADI	Cundall, Lincoln A.	Hamburg, N. Y.	.5
8EW	Current, Warren J.	11024 Detroit Ave., Cleveland, Ohio.	.5
8AOI	Curtiss, Gerald H.	624 W. 9th St., Traverse City, Mich.	1.0
8LC	Curtiss, Glen W., jr.	830 W. Main St., Ravenna, Ohio.	1.0
8AEA	Cushman, Robert A.	306 Elm St., Ithaca, N. Y.	.5
8AJ	Custis, Walter E.	468 Buchtel Ave., Akron, Ohio.	.5
8RK	Dalrymple, Clarence F.	Sheridan, N. Y.	.5
8AKE	Daly, James J.	28 Pine St., Binghamton, N. Y.	.5
8CI	Danforth, Gordon F.	16 Tuxill Sq., Auburn, N. Y.	.5
8JE	Daniels, Le Roy.	Litchfield, Mich.	.5
8AIM	Darrall, William G.	1112 Stanton Ave., New Kensington, Pa.	.5
8ALI	Dauberman, John R.	1232 Race St., Sunbury, Pa.	.5
8FM	Daugherty, Robert J.	628 W. Main St., Hamilton, Ohio.	1.0
8ASV	Davidson, Robert L.	50 N. 3d St., Newark, Ohio.	.5
8QZ	Davis, Benton W.	1904 Ansel Rd., Cleveland, Ohio.	1.0
8BC	Davis, Charles C.	Fenton, Mich.	1.0
8AEY	Davis, Harold P.	2095 W. 87th St., Cleveland, Ohio.	1.0
8BX	Davis, Herbert E.	1480 Western Ave., Toledo, Ohio.	.5
8ALR	Davis, Paul E., jr.	R. F. D., Gross Isle, Mich.	.5
8AO	Deighan, Edward L.	5415 Hermann Ave., Cleveland, Ohio.	.5
8AOT	Demarest, Foster J.	103 Washington St., Williamsport, Pa.	1.0
8IX	Dencer, John.	1021 Tuscarawas St., Canton, Ohio.	.5
8WG	Densmore, U. Harry.	220 Mitchell St., Petoskey, Mich.	.5
8KK	Devaney, Richard G.	196 Murray St., Binghamton, N. Y.	.5
8AAQ	Devinney, Robert C.	1224 Boyle St., Pittsburgh, Pa.	1.0
8AOA	Dieter, Howard L.	252 S. 18th St., Columbus, Ohio.	1.0
8IJ	Diederich, Paul E.	915 E. Grand Blvd., Detroit, Mich.	1.0
8ET	Dieterich, Adele F.	3128 Fulton Rd., Cleveland, Ohio.	.5
8ACO	Dietsch, Carl G.	395 Avondale Ave., Toledo, Ohio.	.5
8AQD	Dilworth, John G.	6121 Jackson St., Pittsburgh, Pa.	.5
8AAH	Ditto, Earl J.	614 State St., Petoskey, Mich.	.5
8AME	Dobson, J. Howard.	25 Cornell Ave., Kenmore, N. Y.	.5
8AEO	Doeright, Gilbert A.	145 Illinois Ave., Youngstown, Ohio.	.5
8AAG	Dominic, John H.	56 Gallatin Ave., Buffalo, N. Y.	.5
8AGC	Donahue, James B.	Horseheads, N. Y.	.5
8FS	Donohue, Daniel, jr.	227 Florida Ave., Lorain, Ohio.	.5
8ANC	Dorman, Israel.	3426 Burnet Ave., Cincinnati, Ohio.	.5
8EF	Dorst, Edward L.	39 Eaton St., Buffalo, N. Y.	.5
8ABT	Dotterweich, Edward, jr.	533 Swan St., Dunkirk, N. Y.	.5
8TL	Dowding, Sidney J.	57 Welts St., Mt. Clemens, Mich.	.5
8OX	Dreux, Alexander J.	48 Garner Ave., Buffalo, N. Y.	.5
8MQ	Duff, Cuthbert.	Norwood, Ohio.	.5
8LQ	Dunlap, Orrin E., jr.	1029 Cleveland Ave., Niagara Falls, N. Y.	.5
8ASD	Dunmore, Wallace P.	218 Main St., Binghamton, N. Y.	.5
8AGY	Durham, Harold M.	127 Cohasset St., Pittsburgh, Pa.	1.0
8AOJ	Durstine, John E.	107 Burton Ave., Cleveland, Ohio.	.5
8AKY	Dyke, S. Eugene.	211 Porter Ave., Warren, Ohio.	.5
8SW	Eames, William F.	841 N. St. Clair St., Pittsburgh, Pa.	.5
8IU	Eaton, Floyd W.	1901 Milton Ave., Solva, N. Y.	.5
8PL	Eckel, John F.	2161 Bernard St., Cincinnati, Ohio.	.5
8VL	Edick, Leonard J.	89 Forest St., Gloversville, N. Y.	.5
8GG	Edwards, Maynard W.	Lake Odessa, Mich.	1.0
8UK	Egan, James.	120 Barton St., Buffalo, N. Y.	.5
8TY	Ehrhardt, Roy C.	820 Monroe Ave., Scranton, Pa.	1.0
8PJ	Ehrich, William F.	278 Lucas St., Bucyrus, Ohio.	1.0
8AOS	Eiszler, Emmerson L.	1227 California Ave., Pittsburgh, Pa.	.5
8AQ	Ela, William C.	1320 Woodland Ave., Pittsburgh, Pa.	.5
	Electro-Set Co. See The Electro-Set Co.		
8ER	Elias, Louis W.	877 Carpenter St., Columbus, Ohio.	1.0
8TS	Eppley, Ervin W.	R. F. D. No. 4, Elvria, Ohio.	.5
8ANK	Ernest, Robert A.	1815 Prospect St., Springfield, Ohio.	.5
8AEI	Erskine, James.	212 Cass Ave., Mt. Clemens, Mich.	1.0
8DM	Esch, Winthrop W.	R. F. D. No. 1, Huron, Ohio.	.5
8FP	Esslinger, Elwin.	523 Miller Ave., Ann Arbor, Mich.	1.0
8ADZ	Euler, John F.	253 Mellon St., Pittsburgh, Pa.	.5
8ASK	Evans, Jack H.	806 Bayridge Ave., Pittsburgh, Pa.	.5
8SB	Evans, George M.	Tippecanoe City, Ohio.	.5
8AMR	Ewell, Lionel C.	Milan, Ohio.	.5
8ANP	Exline, George A.	1408 E. 93d St., Cleveland, Ohio.	1.0
8AQR	Famariss, Walter.	7817 Hamilton Ave., Pittsburgh, Pa.	.5
8HU	Faroo, Glenn.	269 Grand Ave., Rochester, N. Y.	.5
8ADD	Fassett, G. M. Farle.	1526 Olivewood Ave., Lakewood, Ohio.	1.0
8AIC	Feldstein, Milton.	Toledo, Ohio.	.5

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
8FA	Fender, Clinton H.	28 W. 13th St., Cincinnati, Ohio.	0.5
8AOZ	Ferris, James H.	211 Catalpa Drive, Royal Oak, Mich.	1.0
8CA	Fidler, Sherwood K.	1232 Fountain Ave., Springfield, Ohio.	.5
8FE	Finch, Brent S.	1727 E. McMillan St., Cincinnati, Ohio.	.5
8ASH	Finegan, George W.	494 Columbia Ave., Rochester, N. Y.	1.0
8AFD	Finley, Chester T.	R. F. D. No. 9, Mansfield, Ohio.	.5
8AJK	Fischer, Andrew.	811 Cass St., Chicago, Ill.	.5
8MG	Fish, J. Mulford.	307 Collins Ave., Pittsburgh, Pa.	.5
8KQ	Fisher, Earl U.	228 Ulysses St., Pittsburgh, Pa.	.5
8PE	Fisher, George C.	546 Utah St., Toledo, Ohio.	.5
8MY	Fisher, Harold W.	906 W. Wayne St., Lima, Ohio.	1.0
8ASN	Fisk, Rufus.	98 Park Ave., Binghamton, N. Y.	.5
8TN	Fla Havhan, Harry E., Jr.	3833 Hiawatha St., Pittsburgh, Pa.	.5
8DD	Fleckner, Harry K.	1007 Sheridan Ave. SW., Grand Rapids, Mich.	.5
8UM	Flehr, Paul D.	510 S. 7th St., Ironton, Ohio.	1.0
	Flint Central High School.		
	See Wightman, E. Russell.		
8ARS	Flora, C. Russel.	2206 Broadway, Toledo, Ohio.	.5
8ASG	Flory, Carl L.	119 W. Decatur St., Eaton, Ohio.	.5
8MW	Follet, Louis H., jr.	Crafton, Pa.	1.0
8ANS	Foltz, Harold H.	464 Rhodes Ave., Akron, Ohio.	.5
8UA	Foncannon, H. Knight.	2024 Glenwood Ave., Toledo, Ohio.	.5
8ADK	Ford, Elliot P.	129 Dartmouth St., Rochester, N. Y.	.5
8CU	Forshee, Kenneth.	South Butler, N. Y.	.5
8HR	Foster, Clarence M.	Clarks Summit, Pa.	.5
8WD	Fox, Edmund H.	271 Calumet Ave., Detroit, Mich.	.5
8SF	Fowler, Robert J.	322 Walnut St., Flint, Mich.	1.0
8FV	Francis, Jesse J.	1556 E. 66th St., Cleveland, Ohio.	.5
8AAV	Frank, Newton J.	411 Humboldt Pky., Buffalo, N. Y.	.5
8ANF	Frase, Ralph L.	516 E. Buchtel Ave., Akron, Ohio.	.5
8HZ	Fraser, John W.	1280 West Ave., Buffalo, N. Y.	.5
8VX	Fraser, William T.	48 Glenwood Ave., Buffalo, N. Y.	1.0
8NB	Frederick, Paul E.	215 Clay St., Tiffin, Ohio.	.5
8NC	French, Samuel W.	10 Fargo Ave., Ashtabula, Ohio.	.5
8AF	Frey, Frederick E.	155 Poplar St., Mansfield, Ohio.	1.0
8DP	Fritsche, Lewis W.	4208 Florida Ave., Cincinnati, Ohio.	1.0
8AU	Frost, Harry E.	552 Glenwood Ave., Buffalo, N. Y.	.5
8AV	Fullwood, William R.	1017 Pollock Ave., New Castle, Pa.	1.0
8OJ	Furlong, Marcie J.	711 N. Main St., Clyde, Ohio.	.5
8KP	Fuss, Chester G.	Little Valley, N. Y.	1.0
8TH	Gallo, Tony.	Brockwayville, Pa.	1.0
8AEM	Galloway, W. Lyon.	110 W. Main St., Xenia, Ohio.	1.0
8PK	Gamble, Frederick D.	2112 Putnam St., Toledo, Ohio.	1.0
8ASP	Gamble, Howard B.	2537 E. 128th St., Cleveland, Ohio.	1.0
8KC	Gammon, Joseph.	597 East Ave., Rochester, N. Y.	.5
8IO	Garrity, William D.	20 W. Genesee St., Lockport, N. Y.	.5
8EG	Gebhard, Louis A.	1127 Ellicott St., Buffalo, N. Y.	1.0
8AX	Gentzsch, Leonard H.	102 Northampton St., Buffalo, N. Y.	.5
8AKT	George, Charles C.	81 E. Tremaine Ave., Kenmore, N. Y.	.5
8AEC	Gerhard, David H.	R. F. D. No. 3, Hamilton, Ohio.	.5
8AKW	Giesenberg, Carl.	3499 Boudinot Ave., Cincinnati, Ohio.	.5
8WI	Gillmore, Willard F.	11703 Castlewood St., Cleveland, Ohio.	1.0
8SN	Glatzell, Earle D.	539 S. 1st St., Ann Arbor, Mich.	1.0
8ANV	Glause, Edwin H.	2171 E. 65th St., Cleveland, Ohio.	.5
	Glenville High School. See Allyn, William P.		
8DS	Godley, Gordon F.	929 Pine St., Port Huron, Mich.	.5
8RY	Goetz, Carl P.	1518 Knowlton St., Cincinnati, Ohio.	.5
8AW	Gogel, Adelbert J.	628 S. Erie St., Toledo, Ohio.	.5
8MZ	Goodrich, Harry.	443 North Ave., Girard, Ohio.	1.0
8VH	Googin, Nicholas L., jr.	Cazenovia, N. Y.	.5
8QK	Gould, Henry W.	Oberlin, Ohio.	1.0
8EI	Gray, Clarence N.	74 Ryan St., Buffalo, N. Y.	.5
8IW	Green, John B.	Booth St., Ashtabula, Ohio.	.5
8ADT	Greenwald, Hugo.	9815 Westchester Ave., Cleveland, Ohio.	1.0
8ASQ	Greenwell, Robert.	6302 Utica St., Cleveland, Ohio.	1.0
8UW	Gregory, P. L.	2204 Washington St., Conneaut, Ohio.	.5
8CG	Grieb, Edward J.	121 Rose St., Springfield, Ohio.	1.0
8WA	Griffin, Jesse W.	Middlefield, Ohio.	.5
8IA	Griffin, John F.	5213 Superior Ave., Cleveland, Ohio.	1.0
8ANM	Griggs, Kenneth C.	149 Forest St., Wellington, Ohio.	.5
8CK	Grinnell, Russell R.	Richmond, Mich.	.5
8ABM	Grosse, Herbert F.	346 Germania St., Columbus, Ohio.	.5
8QR	Grostick, George E.	1605 Wagar Ave., Lakewood, Ohio.	1.0
8HE	Grotticelli, Emil.	115 Montclair Ave., Crafton, Pa.	1.0
8CO	Grove City College.	Grove City, Pa.	1.0

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
8KM	Guest, Wesley T.	13 Babcock Ave., Silver Creek, N. Y.	0.5
8JA	Gunn, Ross.	369 W. Lorain St., Oberlin, Ohio.	1.0
8DI	Gurnee, Floyd L.	Howell, Mich.	.5
8ARQ	Gurney, Daniel.	1113 N. Main St., Jamestown, N. Y.	.5
8PZ	Guy, Fred E.	24 Jewell St., Rochester, N. Y.	.5
8RO	Gwinner, Frederick, 3d.	5th Ave. and Amberson St., Pittsburgh, Pa.	1.0
8QB	Haderer, John.	330 Fox St., Buffalo, N. Y.	1.0
8MD	Hall, Eldred R.	410 Center St., Solvay, N. Y.	.5
8AOM	Hamel, Arthur.	29 Martin Ave., Amherst, Ohio.	1.0
8US	Hancock, H. W.	337 S. Main St., Charlotte, Mich.	1.0
8AGT	Hand, Ledyard M.	1645 Lyson St. N.E., Grand Rapids, Mich.	.5
8TB	Handler, Eugene H.	53 Vassar St., Rochester, N. Y.	.5
8NW	Hankin, John H.	30 Schutz Ave., Buffalo, N. Y.	.5
8AMI	Hanny, George.	1716 Buena Vista St., Pittsburgh, Pa.	.5
8AZ	Hansen, Edmund H.	31 Deer St., Plymouth, Mich.	.5
8NO	Hansen, Torvald.	7325 Clinton Ave., Cleveland, Ohio.	1.0
8ASE	Hantman, Alexander.	21 Vine St., Pittsburgh, Pa.	1.0
8AGE	Hanville, Roy A.	North Fairfield, Ohio.	.5
8WT	Harber, Elwood F.	507 Columbia Ave., Rochester, N. Y.	.5
8WY	Hardesty, Howard P.	1186 Canton Ave., Detroit, Mich.	.5
8NR	Hare, Paul W.	Near Fredericktown, Ohio.	.5
8AGS	Hart, I. Bruce.	1215 S. Arch Ave., Alliance, Ohio.	.5
8OH	Harter, Raymond.	Spencerville, Ohio.	.5
8AM	Hartle, Wilbert G.	1438 W. 114th St., Cleveland, Ohio.	.5
8AKH	Hartwick, Harry S.	R. F. D. No. 1, Clarks Summit, Pa.	.5
8AA	Hausing, William A.	Traverse City, Mich.	.5
8AHN	Hawks, Harry L.	Fleming, Pa.	1.0
8FH	Haynes, William.	102 N. Florence St., Springfield, Ohio.	1.0
8AAE	Helbling, William F.	36 Marion Ave., Crafton, Pa.	1.0
8APG	Henes, Christian.	604 Main St., Hamilton, Ohio.	1.0
8EX	Henlein, Carl A.	2446 Mount Ave., Norwood, Ohio.	1.0
8GN	Henninger, Alan E.	11220 Clifton Blvd., Cleveland, Ohio.	1.0
8AKP	Hepner, Earl.	450 Morgan St., Pittsburgh, Pa.	1.0
8ARM	Herrick, Robert E.	26 S. Linwood Ave., Crafton, Pa.	.5
8WB	Herrington, Fred.	R. F. D. No. 6, Paw Paw, Mich.	.5
8LZ	Hess, Elmer.	4129 Carter St., Norwood, Ohio.	.5
8WE	Hickler, Walter R.	1340 Lakeland Ave., Lakewood, Ohio.	.5
8AMT	Higgins, Orlo M.	214 Lake Ave., Elyria, Ohio.	.5
8PM	Higgy, Robert C.	1072 W. Market St., Lima, Ohio.	.5
8LI	Hill, Dormand S.	2 Taft Ave., Detroit, Mich.	.5
8GB	Hill Top Y. M. C. A.	Pittsburgh, Pa.	.5
8BA	Hillier, Herbert A.	141 Hanover St., Silver Creek, N. Y.	1.0
8AST	Hills, Harold C.	Palermo, N. Y.	.5
8KR	Hills, Virgil A. and Harold G.	2066 E. 100th St., Cleveland, Ohio.	1.0
8OG	Hinton, Don.	Cambridge, Ohio.	.5
8UT	Hirsch, Leo E.	1281 S. High St., Columbus, Ohio.	.5
8ACA	Hisey, Norval W.	2955 Broadway, Toledo, Ohio.	.5
8AMP	Hodgkins, Harley G.	Massena, N. Y.	.5
8AII	Hoehl, Raymond H.	238 Orchard St., Pittsburgh, Pa.	.5
8ADU	Hoffman, Donald A.	50 S. Balch St., Akron, Ohio.	.5
8AQO	Hofstetter, George E.	286 S. State St., Marion, Ohio.	.5
8QV	Hogan, James E.	26 Lincoln Ave., Crafton, Pa.	.5
8FC	Holden, Ira S.	2920 Vernon Pl., Cincinnati, Ohio.	.5
8MC	Holmes, Charles A.	New Berlin, N. Y.	1.0
8DR	Holmes, Charles E.	310 Brown St., Grand Rapids, Mich.	.5
8HO	Holt, George W.	789 Prospect Ave., Buffalo, N. Y.	.5
8IC	Hoover, Paul L.	32 Poplar St., Mansfield, Ohio.	1.0
8GT	Hoover, Raymond.	Maumee, Ohio.	.5
8BU	Hopkins, Cecil W.	812 S. 9th St., Hamilton, Ohio.	1.0
8GQ	Horn, Herbert E.	557 E. 117th St., Cleveland, Ohio.	.5
8EP	Hornbeck, John.	32 Milford St., Binghamton, N. Y.	1.0
8PT	Hornung, Romey W.	Lavelle, Pa.	1.0
8DA	Horton, Paul E.	207 Elmwood Ave., Newark, Ohio.	.5
8UR	Hott, Loewy.	149 S. Main St., Keyser, W. Va.	.5
8AEV	Houck, Homer D.	430 Werner St., Youngstown, Ohio.	.5
8ARN	Houck, Hugh H.	605 W. Hardin St., Findlay, Ohio.	1.0
8NF	House, Elra E.	272 N. Michigan St., Battle Creek, Mich.	1.0
8AMZ	Hovey, Carlton F.	476 Melville St., Rochester, N. Y.	.5
8AGF	Howard, Carl G.	183 S. Pine St., Newark, Ohio.	1.0
8AGS	Howsare, George D.	119 W. Decatur St., Eaton, Ohio.	.5
8ABR	Howe, Richard H.	Granville, Ohio.	.5
8BB	Hoves, Stanley L.	515 Eleanor St., Kalamazoo, Mich.	.5
8ALT	Howland, Dwight.	Edinboro, Pa.	.5
8FL	Hudson, Albert N.	406 Park Ave., Fulton, N. Y.	.5
8AIJ	Huey, Wesley.	Middlefield, Ohio.	.5
8APR	Huff, Samuel W.	915 Campbell St., Williamsport, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
8AOY	Hughes, Edwin R.	27 74th St., Carthage, Ohio.	<i>Kw.</i> 0.5
8RR	Hull, Earl C.	763½ 15th St., Niagara Falls, N. Y.	1.0
8AOE	Hull, James E.	329 Main St., Cheboygan, Mich.	1.0
8HM	Human, Edward J. I.	532 5th St., Niagara Falls, N. Y.	.5
8OO	Hummel, Richard O.	1606 Grace Ave., Lakewood, Ohio.	.5
8NK	Hunt, Barton L.	1290 Courtland Ave., Columbus, Ohio.	.5
8ALM	Hunter, Noble A.	Capac, Mich.	.5
8LX	Ilgenfritz, James I. E.	224 Elm Ave., Monroe, Mich.	1.0
8ON	Ilgenfritz, Lester M.	2 E. Forest St., Detroit, Mich.	.5
8ARJ	Ingals, Allan C.	74 W. Ridge Ave., Crafton, Pa.	.5
8AY	Irvin, Daniel L.	Curwensville, Pa.	1.0
8RJ	Irvine, Robert P.	3501 Storer Ave., Cleveland, Ohio.	1.0
8AGB	Jacks, Albert L.	6505 Shetland Ave., Pittsburgh, Pa.	.5
8ACM	Jacobus, Roger.	312 Beakes St., Ann Arbor, Mich.	.5
8BF	Jarvis, Roy B.	647 Main St., Wheeling, W. Va.	1.0
8TK	Jefferys, Paul M.	1444 Lauderdale Ave., Lakewood, Ohio.	.5
8ANU	Jensen, Luther J.	606 Parkside Ave., Buffalo, N. Y.	.5
8AGU	Jepson, Mark B.	Little Valley, N. Y.	1.0
8ARL	Johnson, Gordon E.	2240 Lawrence Ave., Toledo, Ohio.	.5
8CR	Johnson, J. H. E.	349 Glenn Ave., Springfield, Ohio.	.5
8SD	Johnston, Clarence N.	1335 Hill St., Ann Arbor, Mich.	1.0
8HC	Johnston, S. Paul.	201 S. Craig St., Pittsburgh, Pa.	1.0
8ACW	Johnstone, Richard S.	R. F. D. No. 2, Glenshaw, Pa.	.5
8UO	Jones, D. Walter.	643 Schuyler Ave., Dorrance, Pa.	1.0
8ABN	Jones, Hugo W.	109 Marshall St., Conneaut, Ohio.	.5
8PU	Jones, Winifred E.	87 Holland Ave., Lancaster, N. Y.	.5
8WF	Judd, Max A.	Chesaning, Mich.	.5
8AKQ	Kæhni, Francis J.	3267 Scranton Rd., Cleveland, Ohio.	.5
8AIV	Kæstle, Albert.	1473 Maple Rd., Cleveland Heights, Ohio.	.5
8ADO	Kahn, Fred J.	1510 E. 123d St., Cleveland, Ohio.	1.0
8QQ	Kampfe, Lorbert J.	1211 E. 103d St., Cleveland, Ohio.	1.0
8VU	Kane, William C., jr.	221 Reservoir Ave., Rochester, N. Y.	.5
8AII	Karl, Rudolph.	413 Robin St., Dunkirk, N. Y.	.5
8AAZ	Kaufman, Jacob W.	208 Claremont Ave., Ashland, Ohio.	.5
8AGA	Katzenberger, Raymond.	Tipppecanoe City, Ohio.	.5
8ALU	Kays, George W., jr.	242 Chestnut St., Liberty, N. Y.	1.0
8NM	Keen, William L.	4012 Colerain Ave., Cincinnati, Ohio.	.5
8QH	Kelly, Edward O.	18 Stratford Park, Rochester, N. Y.	1.0
8ACN	Kelso, Herbert F.	Dravosburg, Pa.	.5
8AOC	Kent, Arthur L.	199 Court St., Binghamton, N. Y.	.5
8AEB	Kepler, M. Newton.	289 Willow St., Meadville, Pa.	.5
8AKA	Kepler, Ralph E.	210 Allen St., Dayton, Ohio.	.5
8AQE	Kerstetter, J. Howard.	633 Carlton St., Toledo, Ohio.	.5
8PC	Kersting, Ferdinand.	165 S. Gratiot Ave., Mt. Clemens, Mich.	1.0
8ASC	Kidd, J. William.	606 Cherry St., Niles, Ohio.	1.0
8AEK	Kiger, Earnest W.	Williamstown, W. Va.	.5
8AFM	Kilbury, Walter A.	119 N. Greenwood St., Marion, Ohio.	.5
8BD	Kimberly, Frank.	1402 Monterey St., Pittsburgh, Pa.	.5
8AQA	King, William R.	5920 Wellesley Ave., Pittsburgh, Pa.	1.0
8AMY	Kingsbury, Ralph N.	504 E. Main St., Ravenna, Ohio.	.5
8AAT	Kinman, Carson.	931 Rawson Ave., Fremont, Ohio.	1.0
8EU	Kinne, Laurence W.	Frankfort, Mich.	.5
8EO	Kinney, Russell.	735 Huron St., Toledo, Ohio.	.5
8QF	Kirchner, Charles.	425 Cumberland Ave., Buffalo, N. Y.	.5
8RA	Klager, Oscar C.	611 S. Main St., Ann Arbor, Mich.	.5
8GV	Kleber, Jackson O.	1135 Murray Hill Ave., Pittsburgh, Pa.	.5
8AQS	Knapp, Forest H.	375 Welch St., Columbus, Ohio.	.5
8DN	Knappen, Bert.	4 Trankla Ave., Grand Rapids, Mich.	.5
8GS	Kneale, C. Kewley.	1337 W. 11th St., Cleveland, Ohio.	.5
8MN	Knoll, Floyd A.	93 Chapin Parkway, Buffalo, N. Y.	1.0
8AJN	Knott, Charles E.	107 Stedman, Sayre, Pa.	1.0
8DK	Kobrck, Frank.	7711 Central Ave., Cleveland, Ohio.	.5
8AMB	Koch, Frank.	2403 Highland Ave., Cincinnati, Ohio.	.5
8KW	Kohler, Harry W.	605 E. Middle St., Wapakoneta, Ohio.	.5
8ADJ	Kohli, Homer J.	Pandora, Ohio.	1.0
8GO	Kohnitz, Harvey F.	R. F. D. No. 2, Plymouth, Mich.	.5
8GL	Konrad, Henry.	750 Ross Ave., Hamilton, Ohio.	1.0
8AFS	Kovatch, Alexander.	1780 Fulton Rd., Cleveland, Ohio.	1.0
8PD	Krause, Karl A.	244 S. Front St., Mt. Clemens, Mich.	.5
8JV	Kreighbaum, Cyril H.	12414 Ingomar Ave., Cleveland, Ohio.	1.0
8AHW	Kremer, Harold E.	717 W. Race St., Pottsville, Pa.	.5
8CV	Kress, Lester P.	302 Georgia Ave., Lorain, Ohio.	.5
8AMW	Kreuzer, Joseph D.	663 Hopkins St., Buffalo, N. Y.	.5
8BI	Kroeger, Gustav H.	1837 Clarion Ave., Cincinnati, Ohio.	1.0
8LV	Kromme, Frank.	811 York St., Cincinnati, Ohio.	.5

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
8HY	Kuehner, Roland.	168 Kinsey Ave., Cincinnati, Ohio.	Kw. 0.5
8EK	Kumpf, Elmer H.	Crittenden, N. Y.	.5
8ALD	Lacock, Walter B.	235 W. Pike St., Canonsburg, Pa.	.5
8EL	Langenbach, Leo.	186 Riley St., Buffalo, N. Y.	.5
8BK	Lappe, E. Robert.	5520 Baywood St., Pittsburgh, Pa.	.5
8UP	Lathrope, Lyman S.	63 St. John Ave., Binghamton, N. Y.	1.0
8AQU	Leach, Frederick E.	2 Orchard Ave., Auburn, N. Y.	.5
8TU	Leach, Gardner V.	2532 Robinwood Ave., Toledo, Ohio.	.5
8RB	Leach, J. Gardner.	White High School, Toledo, Ohio.	1.0
8AGQ	Learnmont, Victor.	Yale, Mich.	.5
8UQ	Leary, Robert.	27 Inwood Pl., Buffalo, N. Y.	.5
8ADH	Lee, Harry H.	Memphis, Mich.	.5
8KG	Leffler, Ralph H.	Tiffin, Ohio.	.5
8AFT	Leighton, Paul A.	55 Lexington Ave., Columbus, Ohio.	.5
8QD	Leonhardt, Carl.	14 Olive St., Norwalk, Ohio.	1.0
8ANL	Leppert, John L.	611 E. Church St., Galion, Ohio.	.5
8UI	Lester, William G.	189 N. Division St., Buffalo, N. Y.	.5
8MM	Levy, Irving R.	1333 E. Blvd., Cleveland, Ohio.	1.0
8ANQ	Lewis, Nelson.	2921 Urwiler St., Cincinnati, Ohio.	.5
8QG	Lewis, Walter E.	15 Hullet St., Horseheads, N. Y.	.5
8AGN	Lindsay, Alexander M., Jr.	600 Park Ave., Rochester, N. Y.	1.0
8LA	Lindsay, Percy H.	172 N. Division St., Buffalo, N. Y.	.5
8LJ	Linxweiler, Carl J.	140 Eagle St., Dayton, Ohio.	.5
8ASA	Lininger, Clarence R.	614 N. Broad St., Ridgway, Pa.	1.0
8BE	Lippert, John P.	195 Rozelle Ave., East Cleveland, Ohio.	.5
8MR	Livingood, Hubert W.	1825 Michigan Ave., Detroit, Mich.	1.0
8RIH	Locke, Carl M.	1500 Coutant St., Lakewood, Ohio.	1.0
8APE	Lockwood, Harry P.	312 Huron St., South Haven, Mich.	.5
8LF	Loeb, George.	1139 St. Paul St., Rochester, N. Y.	.5
8GU	Loehr, George R.	1144 Euclid Ave., Cleveland, Ohio.	1.0
8AAN	Lohrey, Clarence R.	1210 E. Ludlow St., Hamilton, Ohio.	1.0
8GR	Long, Charles A.	516 5th St., Oakmont, Pa.	.5
8JG	Lord, Harry R.	531 Beach Ave., Cambridge Springs, Pa.	1.0
8QC	Lucas, W. Gerald.	63 E. Pine St., Gloversville, N. Y.	.5
8BO	Lyons, Henry E.	Ripley, N. Y.	.5
8JX	MacCandless, Lyon H.	351 Jefferson St., Rochester, Pa.	1.0
8BP	Macer, Arthur J.	37 Jefferson St., Westfield, N. Y.	1.0
8FA	Mack, Clifford J.	49 McGovern Ave., Ashtabula, Ohio.	1.0
8AFO	MacKnight, J. Donald.	44 Tremont Ave., Binghamton, N. Y.	.5
8AKR	MacLaren, Wallace F.	2979 Hampshire Rd., Cleveland Heights, Ohio.	1.0
8LM	MacLaughlin, Donald.	261 W. 8th St., Marysville, Ohio.	1.0
8UN	MacPherson, William D.	549 A St., Lorain, Ohio.	.5
8JI	Maddock, Lewis D.	183 Winkles St., Elyria, Ohio.	.5
8LR	Magdeburg, Morris R.	1306 Spruce St., Ashland, Pa.	.5
8MO	Magregor, James E.	211 Gold Ave., Grand Rapids, Mich.	.5
8PF	Malbin, Samuel.	12 S. Gratiot Ave., Mt. Clemens, Mich.	1.0
8ABO	Mann, Frank W. and Orville I.	728 Elm Pl., Kalamazoo, Mich.	1.0
8QN	Mann, Roland.	53 Good Ave., Buffalo, N. Y.	.5
8JZ	Manning, Alfred J.	3315 Monroe Ave., Cleveland, Ohio.	1.0
8MI	Manning, Howard.	298 Prospect Ave., Meadville, Pa.	.5
8AFN	Manning, Stuart M.	527 Mitchell St., Petoskey, Mich.	.5
8RV	Marshall, Frank J.	517 W. Delaware Ave., Toledo, Ohio.	1.0
8SC	Marshall, Leonard A.	2234 Putnam St., Toledo, Ohio.	.5
8UV	Marshall, Ronald A.	Cazenovia, N. Y.	1.0
8FV	Mason, Carl D.	Oak Grove, Mich.	.5
8BN	Mason, George W.	165 S. 2d St., Fulton, N. Y.	.5
8OR	Mason, Norman P.	85 Brinkerhoff St., Plattsburg, N. Y.	1.0
8AIA	Matthes, Frank P.	14 8th St., Rochester, N. Y.	.5
8AER	Mattice, William A.	105 Highland Pl., Ithaca, N. Y.	.5
8MB	Maxon, Harry L.	267 Brinkman St., Buffalo, N. Y.	.5
8SY	Maynard, Reginald.	920 Grandview St., Scranton, Pa.	.5
8AII	McBride, George.	706 1/2 Litchfield St., Bay City, Mich.	1.0
8GD	McCaffry, Angus.	103 W. Willis Ave., Detroit, Mich.	.5
8ND	McCarty, Alison.	38 Morgan St., Oberlin, Ohio.	.5
8GF	McCowan, Jack.	906 8th St., Port Huron, Mich.	.5
8IH	McCracken, Harold J.	1540 12th St., Detroit, Mich.	.5
8WII	McCullough, C. Hax.	5801 Stanton Ave., Pittsburgh, Pa.	1.0
8AED	McCutcheon, William A.	103 Dow St., Falconer, N. Y.	1.0
8CZ	McDaniel, Donald G.	17 Colorado St., Ashtabula, Ohio.	.5
8IK	McDowell, M. Fay.	612 Mithoff St., Columbus, Ohio.	1.0
8QI	McEniry, Clifford U.	875 Michigan Ave., Buffalo, N. Y.	1.0
8AOU	McKee, Robert R.	7008 Church Ave., Ben Avon, Pa.	1.0
8TD	McMillan, Howard F.	217 W. High St., Mt. Gilead, Ohio.	1.0
8NC	McMunn, J. Homer.	Cambridge, Ohio.	.5
8TG	Meighan, James C.	Olivers Mills, Pa.	1.0
8DQ	Menges, William E.	6428 Aurelia St., Pittsburgh, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>K. w.</i>
8AKS	Meredith, C. Palmer.....	628 S. Fountain St., Springfield, Ohio.....	1.0
8AKJ	Merrick, W. Bernard.....	156 Marshall St., Conneaut, Ohio.....	.5
8IB	Mielke, Carl E.....	3619 Grenada St., Pittsburgh, Pa.....	.5
8PA	Miller, Arthur.....	Spencerville, Ohio.....	.5
8IR	Miller, Arthur P.....	14 Beuland Ave., Mt. Clemens, Mich.....	.5
8AA X	Miller, Carl E., jr.....	71 Aurora St., Lancaster, N. Y.....	.5
8ASB	Millsbaugh, Frederick.....	37 Gaylord St., Binghamton, N. Y.....	.5
8QM	Milyo, Stephen.....	Mount Carmel, Pa.....	.5
8BR	Miner, Simeon J.....	2253 E. Jefferson St., Detroit, Mich.....	.5
8OW	Mitchell, Edward H.....	539 Main St., Findlay Ohio.....	1.0
8UL	Mitchell, Phillip.....	806 Blaine Ave., Cleveland, Ohio.....	.5
8EZ	Mitchell, William E.....	R. F. D. No. 1, Oxford, Ohio.....	.5
8AES	Mittendorf, Earl D.....	403 5th St., Ironton, Ohio.....	1.0
8HP	Moersfelder, Herbert L.....	34 Ketchum Pl., Buffalo, N. Y.....	.5
8JF	Moon, Orville P.....	1752 E. Erie Ave., Lorain, Ohio.....	.5
8UG	Moore, Chester.....	28 Linden Ave., Buffalo, N. Y.....	.5
8AFN	Moore, Harold S.....	18 Locust St., Norwich, N. Y.....	.5
8UZ	Moore, John B.....	141 Park St., Buffalo, N. Y.....	.5
8AD	Moore, John H.....	40 Prospect St., Susquehanna, Pa.....	.5
8AGK	Morris, Carleton D.....	31 Monroe St., Monroeville, Ohio.....	.5
8AOF	Morrow, Lorentz A.....	1231 E. High St., Springfield, Ohio.....	1.0
8NE	Mosteller, Floyd.....	East Stroudsburg, Pa.....	.5
8UE	Motz, Leo.....	St. Augustine's School, Cincinnati, Ohio.....	1.0
8AAL	Moyer, Gilbert G.....	1603 Lincoln Ave., Lakewood, Ohio.....	.5
8SR	Mueller, Henry C.....	1919 Doll St., Pittsburgh, Pa.....	.5
8AS	Muhlbeier, Charles W.....	State Hospital, Rochester, N. Y.....	.5
8ST	Muhlheizer, Louis.....	500 Fernando St., Pittsburgh, Pa.....	1.0
8IS	Munch, Ernest A. and Albert A.....	153 Excelsior St., Pittsburgh, Pa.....	.5
8AIR	Munro, Glenn A.....	25 Calvert Ave., Detroit, Mich.....	.5
8EB	Munsell, Robert S.....	191 Center St., Ashtabula, Ohio.....	.5
8AAM	Murdoch, William B., jr.....	301 W. College St., Canonsburg, Pa.....	.5
8ANZ	Murray, Charles J.....	701 W. Fair St., New Philadelphia, Ohio.....	.5
8AIE	Murphy, Leo F. J.....	633 W. North St., Kalamazoo, Mich.....	.5
8EN	Myers, George E.....	R. F. D. No. 1, Grand Blanc, Mich.....	.5
8HD	Myers, Homer B.....	1310 Huron Rd., Cleveland, Ohio.....	.5
8ABD	Myers, Walter L.....	1512 W. Market St., Steubenville, Ohio.....	1.0
8LO	Nabring, Franklin.....	52 Foster Ave., Norwalk, Ohio.....	.5
8TP	Nealon, William A.....	1604 St. Clair St., Cleveland, Ohio.....	.5
8MP	Neupert, Robert E.....	500 Chartiers Ave., McKees Rocks, Pa.....	1.0
8TI	Newbold, James L.....	111 Orchard St., Solvay, N. Y.....	.5
8ARC	Newman, Ansley.....	685 W. Ferry St., Buffalo, N. Y.....	.5
8KS	Newton, Archibald E.....	Cherry & 3d Sts., Jamestown, N. Y.....	1.0
8APT	Newton, Harold D.....	565 School St., South Haven, Mich.....	.5
8JH	Nichols, Raymond B.....	Cattaraugus, N. Y.....	.5
8ACE	Norquist, Reynold O.....	517 E. 5th St., Jamestown, N. Y.....	.5
8ID	Norris, George H.....	77 Melbourne Ave., Detroit, Mich.....	1.0
8BL	O'Bryan, James W.....	Ranson, W. Va.....	.5
8KN	Odenkirk, Russell.....	332 N. Bever St., Wooster, Ohio.....	.5
8WL	O'Leary, Hilary.....	Montclair St. and Stratford Ave., Crafton, Pa.....	1.0
8ASS	Olney, Clarke.....	28 Roxford Rd., East Cleveland, Ohio.....	.5
8ADQ	Olson, Elvin E.....	Frankford, Mich.....	.5
8DF	Orrell, Robert W.....	87 Frederick Ave., Detroit, Mich.....	.5
8DL	Osterbrock, Edward and Harry, jr.....	4152 Webster Ave., Norwood, Ohio.....	.5
8SJ	Ottney, James N.....	Gibsonburg, Ohio.....	1.0
8AGX	Paasch, Harold.....	215 W. Front St., Erie, Pa.....	.5
8LB	Palmer, Roland F.....	470 E. Buchtel Ave., Akron, Ohio.....	.5
8ACD	Palmer, Roy.....	333 Pennsylvania Ave., Lansing, Mich.....	1.0
8OT	Pancost, Maurice H.....	R. F. D. No. 6, Lansing, Mich.....	.5
8AAK	Pardridge, Clarence R.....	521 Nimons St., Saginaw, Mich.....	1.0
8CS	Pardridge, Walter T.....	3039 Washington Ave., Saginaw, Mich.....	1.0
8AJA	Parmington, Walter O.....	1151 E. Main St., Rochester, N. Y.....	.5
8AIG	Parry, Kenneth E.....	1226 Gillette St., Port Huron, Mich.....	.5
8ASR	Paul, George.....	2950 E. 57th St., Cleveland, Ohio.....	1.0
8CY	Payne, Arthur F.....	629 Pierce St., Birmingham, Mich.....	.5
8VA	Pearce, Henry A.....	223 Cedar St., Buffalo, N. Y.....	.5
8OY	Peck, George W.....	1014 Vine St., Scranton, Pa.....	1.0
8AMK	Perry, Paul A.....	136 Woodbine Ave., Rochester, N. Y.....	.5
8AEF	Perry, Ransom, jr.....	Lisle, N. Y.....	.5
8SG	Pesek, Myron R.....	3288 Fulton Rd., Cleveland, Ohio.....	1.0
8HT	Petz, Joseph.....	10 Lowell St., Rochester, N. Y.....	.5
8ARA	Peters, Edward.....	188 N. 21st St., Columbus, Ohio.....	.5
8FQ	Phelps, Raymond W.....	203 N. Almer St., Caro, Mich.....	.5
8DJ	Phillips, Glenn E.....	551 McKintrys Ave., Detroit, Mich.....	1.0
8HB	Phillips, Maynard W.....	Conewango, N. Y.....	.5

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
8ANX	Phillips, William M.	77 Market St., Mt. Clemens, Mich.	0.5
8CX	Phippeny, Forest I.	R. F. D. No. 4, Battle Creek, Mich.	1.0
8AKB	Pickens, Willard H.	209 Hazelwood Ave., Emsworth, Pa.	1.0
8GJ	Piper, Floyd B.	142 Breckenridge St., Buffalo, N. Y.	.5
8CJ	Plantinga, John G.	10321 Ashbury Ave., Cleveland, Ohio.	1.0
8RU	Poad, Edwin H.	1509 E. 123d St., Cleveland, Ohio.	.5
8AGP	Popky, Charles J.	212 E. Market St., Wilkes-Barre, Pa.	.5
8QW	Potts, Charles G.	726 W. Norwegian St., Pottsville, Pa.	.5
8IU	Poux, Noel J.	432 Pine St., Meadville, Pa.	1.0
8QP	Powell, Ralph C.	5236 Westminster Pl., Pittsburgh, Pa.	.5
8WQ	Poyzell, Robert E.	839 E. Ridgeway Ave., Cincinnati, Ohio.	.5
8ME	Preece, Richard, jr.	2124 N. 12th St., Toledo, Ohio.	.5
8ADX	Preston, Kenneth G.	537 W. Walnut St., Ashland, Ohio.	.5
8SO	Preston, Menzo D.	424 E. Main St., Wellington, Ohio.	.5
8FY	Prince, Harmon	3214 W. 88th St., Cleveland, Ohio.	.5
8NT	Proffitt, Jerome B.	471 Lincoln Ave., Bridgeport, Ohio.	1.0
8AKP	Proper, Jesse B.	823 Elizabeth St., Flint, Mich.	1.0
8ASL	Proutey, Laurence	175 De Russey St., Binghamton, N. Y.	.5
8AOD	Ragsdale, Charles C. C.	146 S. Bryant Ave., Bellevue, Pa.	1.0
8AJS	Raichle, Joe L.	24 Johnson Pk., Buffalo, N. Y.	.5
8IN	Ranger, Arthur	209 Belvedere St., Charlevoix, Mich.	.5
8ADA	Rann, Maurice B.	Morrice, Mich.	.5
8JL	Raring, William	20 Dinsmore Ave., Crafton, Pa.	1.0
8LS	Rawson, Myron A.	535 Lodi St., Elyria, Ohio.	.5
8AQM	Redding, Edmond B.	436 Waverly St., Waverly, N. Y.	.5
8ALS	Reed, Arthur J.	2633 Norwood Ave., Pittsburgh, Pa.	.5
8CE	Reeves, Arthur A., jr.	288 Emerson St., Rochester, N. Y.	.5
8AP	Reich, Herbert	11423 Ashbury Ave., Cleveland, Ohio.	1.0
8APW	Reichle, Henry W.	Morrison and Cleveland Aves., Pittsburgh, Pa.	.5
8SP	Reid, Thomas A.	411 S. Limestone St., Springfield, Ohio.	1.0
8AHO	Reidenbach, Lester A.	510 Sheridan Ave., Pittsburgh, Pa.	.5
8AGI	Reibold, Walter O.	120 Hershey St., Dayton, Ohio.	.5
8OP	Reynolds, Charles L.	25 Sturges St., Binghamton, N. Y.	.5
8AEL	Reynolds, Marion B.	353 Birr St., Rochester, N. Y.	.5
8ID	Rice, Homer D.	150 Livingston St., Buffalo, N. Y.	.5
8TJ	Rich, Martin	2259 E. 85th St., Cleveland, Ohio.	1.0
8AQG	Richardson, Norton	70 Davenport St., Detroit, Mich.	.5
8TW	Richey, Joseph L.	241 E. Center St., Shenandoah, Pa.	.5
8AC	Richmond, Norman F.	5811 Lexington Ave., Cleveland, Ohio.	1.0
8AGJ	Ricksecker, Russell E.	Lowellville, Ohio.	.5
8VD	Riehle, J. F.	1642 Cedar Ave., Cincinnati, Ohio.	.5
8AFU	Rippl, Lewis M.	1601 2d St. NE., Canton, Ohio.	1.0
8MS	Ritchey, Ole B.	Lake City, Mich.	.5
8AFK	Robertson, Adelbert R.	7938 Tioga St., Pittsburgh, Pa.	1.0
8BW	Robinson, David K.	Frankfort, Mich.	.5
8AAF	Robinson, David L.	513 Freepport Rd., New Kensington, Pa.	.5
8MF	Robie, Milo H.	Williamson, N. Y.	.5
8VX	Rodd, Herbert C.	2047 W. 101st St., Cleveland, Ohio.	.5
8ASI	Roe, Millard J.	909 Eggleston Ave., Kalamazoo, Mich.	.5
8DT	Rogers, Grant	2065 McKinley Ave., Lakewood, Ohio.	1.0
8GM	Root, Leland B.	711 Utica St., Fulton, N. Y.	.5
8LY	Rose, Herman	77 Johnson St., Buffalo, N. Y.	.5
8IH	Ross, Donald H.	375 Commonwealth Ave., Detroit, Mich.	.5
8ARI	Ross, Kendrick	60 Warwick Ave., Rochester, N. Y.	.5
8ADC	Roy, Percy W.	295 Maple St., Buffalo, N. Y.	.5
8BM	Ruhl, Mark	160 Martin Ave., Columbus, Ohio.	1.0
8ANE	Russell, Fred W.	909 Kensington Ave. SW., Grand Rapids, Mich.	.5
8AL	Russell, James L.	2125 E. 79th St., Cleveland, Ohio.	.5
8CW	Ryan, Reginald G.	204 Breden St., Youngstown, Ohio.	.5
8RX	Ryan, Theodore W.	1453 14th Ave., Detroit, Mich.	.5
8ASW	Sager, Merel	44 Apple St., Tiffin, Ohio.	.5
8AII	Sanborn, Irwin T.	81 Chope Pl., Detroit, Mich.	1.0
8AOO	Sauerbrey, William J.	Shenandoah, Pa.	.5
8AOQ	Saunders, Ezra L.	141 4th Ave., Gallipolis, Ohio.	1.0
8NY	Sayles, Ralph H., jr.	Milan, Ohio.	1.0
8AKZ	Sayles, Thomas S.	1420 14th Ave., Detroit, Mich.	1.0
8ADS	Schamberger, Sanford O.	24 6th Ave., Clevorsville, N. Y.	1.0
8HH	Schaming, John P.	3114 McClurg St., Pittsburgh, Pa.	.5
8HG	Scharlt, Carl M.	12813 Marston Ave., Cleveland, Ohio.	.5
8OK	Scheil, Joseph F.	6243 Station St., Pittsburgh, Pa.	.5
8HN	Schlegel, Raymond G.	1118 N. Negley Ave., Pittsburgh, Pa.	.5
8AFA	Schlesinger, Louis	1842 Centre Ave., Pittsburgh, Pa.	.5
8AEE	Schmid, Paul J.	821 Main St., Columbus, Ohio.	.5
8RW	Schmidle, Claude	Ebenezer, N. Y.	.5
8APD	Schmidt, Paul	106 Excelsior St., Pittsburgh, Pa.	.5
8UU	Schmidtz, George	750 Ross Ave., Hamilton, Ohio.	1.0

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
8AR	Schorn, Valentine A.....	338 Antietam St., Detroit, Mich.....	0.5
8KV	Schramm, Joseph H.....	927 N. Highland Ave., Pittsburgh, Pa.....	.5
8DC	Schulder, Arthur.....	6110 Utica Ave., Cleveland, Ohio.....	.5
8LL	Schwane camp, Raymond.....	207 Lemon St., Buffalo, N. Y.....	.5
8BY	Schwindt, Herman J.....	3517 Bevis Ave., Cincinnati, Ohio.....	.5
8LE	Scott, Hoyt S.....	North Fairfield, Ohio.....	1.0
8DB	Scoville, George I. C.....	518 N. Jamison Ave., Lima, Ohio.....	.5
8AGR	Scupholm, Fred J.....	939 Court St., Port Huron, Mich.....	.5
8PN	See, Chester F.....	220 Antrim St., Charlevoix, Mich.....	.5
8ANI	Seidel, Frank.....	1357 Tennessee Ave., Dormont, Pa.....	.5
8EE	Selden, James M., jr.....	Crafton, Pa.....	1.0
8APU	Servais, Francis W.....	Falls Creek, Pa.....	1.0
8TE	Shafer, Andrew L.....	Scott, Ohio.....	.5
8PQ	Shaw, Eurcile L.....	2054 E. Anglaize St., Wapakoneta, Ohio.....	1.0
8AEP	Shedd, Arthur R.....	302 Main St., Butler, Pa.....	.5
8GX	Sherein, Conway J.....	16 South St., Dansville, N. Y.....	.5
8MJ	Sherman, Fred.....	Benton Harbor, Mich.....	1.0
8JR	Sherrill, Alvan C.....	326 S. Highland Ave., Pittsburgh, Pa.....	1.0
8AEW	Shields, Robert D.....	Sta. B., North High St., Columbus, Ohio.....	.5
8DG	Shiley, Charles.....	110 Washington St., Kalamazoo, Mich.....	.5
8LG	Sibers, Richard E.....	111 E. Benton St., Wapakoneta, Ohio.....	.5
8VE	Siedel, William R.....	5637 Rippee St., Pittsburgh, Pa.....	1.0
8NZ	Simcox, Paul C.....	403 N. 7th St., Cambridge, Ohio.....	.5
8TT	Slagle, Vernon T.....	68 E. 17th Ave., Columbus, Ohio.....	.5
8UX	Sleeman, Walter R.....	205 Sagamore St., Pittsburgh, Pa.....	1.0
8WM	Slocum, Charles.....	170 Annadale Ave., Akron, Ohio.....	1.0
8ANT	Slyfield, Charles O.....	Frankfort, Mich.....	.5
8QO	Smith, Grant A.....	408 Jay St., St. Clair, Mich.....	.5
8AJR	Smith, Harold H.....	363 Potomac Ave., Buffalo, N. Y.....	.5
8CP	Smith, Newell R.....	525 N. Main St., Wellington, Ohio.....	1.0
8KL	Smith, Raymond.....	Tippecanoe City, Ohio.....	.5
8OE	Smith, Verne E.....	Knox, Pa.....	.5
8ALA	Snider, Ellwood H.....	20 Normandy Ave., Rochester, N. Y.....	.5
8KZ	Snyder, Lawrence L.....	260 S. Walnut St., Ravenna, Ohio.....	1.0
8FO	Snyder, Norman G.....	7 Central Ave., Ithaca, N. Y.....	.5
8ANN	Somers, Warren A.....	151 E. Main St., Bradford, Pa.....	1.0
8FT	Spargo, James A., jr.....	403 N. George St., Rome, N. Y.....	1.0
8AKX	Spaulding, Claude W.....	32 Robinson Ter., Plattsburg, N. Y.....	.5
8GW	Spencer, J. Edmund.....	592 Lake St., Ashtabula, Ohio.....	.5
8HK	Spiller, Archibald G.....	211 Strathmore Ave., East Cleveland, Ohio.....	.5
8QU	Spindler, Raymond.....	83 Saranac St., Rochester, N. Y.....	.5
8ARY	Spitler, Stephen.....	Continental, Ohio.....	.5
8SH	Spotts, Ralph T.....	11721 Euclid Ave., Cleveland, Ohio.....	1.0
8OZ	Staud, Cyril J.....	203 Rutger St., Rochester, N. Y.....	.5
8LH	Stauf, Jacob L.....	347 Oakland Ave., Pittsburgh, Pa.....	.5
8AKD	Staunton, R. E.....	587 Dewey Ave., Rochester, N. Y.....	.5
8DY	Stecher, Harold I.....	15 Bedford Ave., Monticello, N. Y.....	.5
8II	Stein, L. Harold.....	R. F. D. No. 2, Kittanning, Pa.....	.5
8IZ	Steinman, Dwight H.....	416 Pine St., Lima, Ohio.....	1.0
8WJ	Stelzer, James G.....	Frankfort, Mich.....	.5
8BU	Stellrecht, Howard.....	15 Clark St., Lancaster, N. Y.....	.5
8ABI	Stellwagen, Arthur.....	312 E. Jefferson St., Ann Arbor, Mich.....	.5
8OL	Stern, Fred W.....	835 Glenwood Ave., Cincinnati, Ohio.....	.5
8IG	Sternfeld, Charles B.....	516 W. Cedar St., Kalamazoo, Mich.....	1.0
8VW	Stevens, Allen C.....	1821 Humboldt Ave., Cincinnati, Ohio.....	.5
8ANH	Stewart, Donald G.....	2235 Putnam St., Toledo, Ohio.....	.5
8FR	Stiverson, Andrew.....	1530 Buena Vista St. NS., Pittsburgh, Pa.....	1.0
8ASF	Stolzenbach, Robert W. and Charles H.....	724 W. Market St., Lima, Ohio.....	.5
8ABK	Storck, Howard J. C.....	694 Carpenter St., Columbus, Ohio.....	.5
8AAR	Stouffer, Vernon B.....	1195 Webb Rd., Lakewood, Ohio.....	1.0
8TO	Stotter, Herbert J.....	1307 E. Blvd., Cleveland, Ohio.....	1.0
8ADN	Stradling, Fred.....	Hamilton, N. Y.....	.5
8AKK	Straith, Floyd E.....	80 Pingree Ave., Detroit, Mich.....	1.0
8ABW	Straw, R. Clyde.....	Venango, Pa.....	.5
8QA	Struchen, Raymond S.....	Sterrettania, Pa.....	.5
8HW	Strunk, William O.....	107 Lake St., Ithaca, N. Y.....	.5
8AD	Stybr, Gilbert.....	R. F. D. No. 3, Bellvue, Pa.....	.5
8AMO	Supernaw, Jack S.....	305 Dixon Ave., Charlevoix, Mich.....	.5
8ADR	Sullebarger, John A.....	1412 Woodbourne Ave., Pittsburgh, Pa.....	.5
8RP	Sutherland, Arthur E., jr.....	105 Bellevue Drive, Rochester, N. Y.....	.5
8DX	Swaisgood, Paul B.....	1444 E. 118th St., Cleveland, Ohio.....	1.0
8BS	Swan, Donald.....	123 Canfield Ave., Detroit, Mich.....	.5
8GP	Swanson, Oscar E.....	184 Bath St., Elyria, Ohio.....	.5
8AMF	Swingle, Forrest W.....	18 Alfred St., Binghamton, N. Y.....	.5

150 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
8AIP	Tatman, Harley C.	Continental, Ohio	0.5
8AK	Taylor, Willard L.	148 Kennedy St., Syracuse, N. Y.	1.0
8DH	Temple, Lemuel M.	103 Mason St., Cincinnati, Ohio	.5
8GE	Terbrack, John H.	3169 W. 90th St., Cleveland, Ohio	.5
8ASM	Terry, Donald M.	Scott, Ohio	.5
8HJ	Terry, James E.	1877 E. 90th St., NE, Cleveland, Ohio	1.0
8IQ	The Electro-Set Co.	3200 Franklin Ave., Cleveland, Ohio	1.0
8KY	Thomas, Earl R.	712 Louisa St., Williamsport, Pa.	.5
8ACI	Thomas, Frank P.	135 Brownsville Rd., Pittsburgh, Pa.	1.0
8FX	Thomas, Norman A.	512 7th St., Marietta, Ohio	.5
8AMV	Thompson, Charles R.	815 Wall St., Port Huron, Mich.	.5
8AIZ	Thornton, Wallace W.	258 Madison Ave., Youngstown, Ohio	.5
8AML	Thurn, Alois H.	W. Greenlawn Ave., Columbus, Ohio	.5
8AND	Thurnes, Darley	187 W. Chestnut St., Akron, Ohio	.5
8AAC	Tiffany, Wade R.	62 State St., Susquehanna, Pa.	.5
8SZ	Tobin, W. A.	426 W. McKibben St., Lima, Ohio	1.0
8ADE	Todd, Conway L.	62 Berkeley St., Rochester, N. Y.	1.0
8GK	Tomlinson, George E.	520 Crawford St., Grand Rapids, Mich.	.5
8ARV	Toreson, Alfred	9702 Allerton Ave., Cleveland, Ohio	.5
8RT	Toy, Miles N.	1214 W. Market St., Lima, Ohio	1.0
8VG	Trombley, Clarence E.	145 Washington Ave., Mt. Clemens, Mich.	.5
8IP	Trotter, Robert J.	214 Amanda Ave., Mt. Oliver, Pa.	.5
8ARE	Tullis, Don D.	59 N. 2d St., Newark, Ohio	1.0
8BZ	Turnbull, Alonzo E.	1167 Lagonda Ave., Springfield, Ohio	1.0
8APO	Twitcheff, H.	4th and Wood Sts., Hamilton, Ohio	1.0
8ARU	Tyler, Albert P.	299 Ardenall Ave., Cleveland, Ohio	.5
8FB	Ulsh, Chester	451 Summit St., Marion, Ohio	.5
8VJ	Umbarger, Harold N.	239 W. 5th St., Mansfield, Ohio	1.0
8QT	Van Buren, Harold J.	114 N. Crawford Ave., New Castle, Pa.	1.0
8AQK	Van De Carr, Richard D.	11 Amherst St., Rochester, N. Y.	.5
8SX	Vanderveken, Marix	2210 N. Washington Ave., Scranton, Pa.	1.0
8SE	Vickery, William J.	40 Burr St., Gloversville, N. Y.	.5
8AKN	Von Behren, William P.	2149 Scottwood St., Toledo, Ohio	.5
8MK	Vonderhaar, Elliott	123 Valencia Ave., Cincinnati, Ohio	.5
8ABE	von Gunter, Leon	751 Erie Ave., Lima, Ohio	.5
8AOB	Wachs, William C.	235 Hosea Ave., Cincinnati, Ohio	.5
8BV	Wagner, Wayne	18 East St., Ashtabula, Ohio	.5
8OV	Wahl, Arthur F. and Wilbur C.	Pine Ridge, Buffalo, N. Y.	1.0
8GI	Wahl, Edward C.	60 Stewart Ave., Buffalo, N. Y.	.5
8OB	Waldrip, Laurence H.	352 Breckenridge St., Buffalo, N. Y.	.5
8FD	Walker, Carl	1626 Potter Pl., Cincinnati, Ohio	.5
8TV	Wallace, I. Gordon	25 Grover St., Auburn, N. Y.	.5
8ACU	Waller, Nellie M.	615 N. 4th St., Cambridge, Ohio	.5
8CL	Waller, Roy W.	837 N. 12th St., Cambridge, Ohio	1.0
8AHS	Walrath, Floyd E.	DeKalb Junction, N. Y.	.5
8AFR	Waiser, Arthur L.	Chesaning, Mich.	.5
8AGV	Waltz, Roy A.	1 Ellicott St., Depew, N. Y.	.5
8AAY	Wannenmacher, Harvey	18 Brookfield Pl., Lancaster, N. Y.	.5
8NA	Waterman, Fred W.	116 Broad St., Elyria, Ohio	.5
8MU	Watson, Martin L.	116 Alice St., Keyser, W. Va.	.5
8EJ	Watson, Samuel C.	Wilberforce, Ohio	1.0
8GH	Weaver, Floyd H.	Richmond, Mich.	.5
8PW	Weaver, Frank M.	2706 Toledo St., Pittsburgh, Pa.	1.0
8VT	Weaver, Henry C.	1002 Bellaire Ave., Pittsburgh, Pa.	.5
8EY	Weaver, J. Marshall	208 N. Main St., Greensburg, Pa.	.5
8JJ	Weber, Walter B.	660 Riley St., Buffalo, N. Y.	1.0
8TM	Weber, Walter B.	791 Seneca St., Buffalo, N. Y.	1.0
8AQW	Weckel, Wilson E.	2118 W. Tuscarawas St., Canton, Ohio	.5
8ADV	Wedthoff, Guy G.	1720 6th St., Bay City, Mich.	1.0
8EQ	Weekman, Frank L. and Vern W.	115 Weeks St., Jamestown, N. Y.	.5
8RE	Weeks, Stuart R.	Richmond, Mich.	1.0
8HF	Weinhoff, S. J.	1152 Lafayette Ave., SE, Grand Rapids, Mich.	.5
8ARR	Weisold, Fred L.	1630 Queen City Ave., Cincinnati, Ohio	.5
8RC	Weil, Norman C.	231 Riley St., Buffalo, N. Y.	1.0
8NX	Weiser, Elmer P.	284 Brinkman St., Buffalo, N. Y.	1.0
8WK	Weiser, Perry W.	344 Derr Ave., Wooster, Ohio	.5
8AEJ	Weiss, Frank J.	Amherst, Ohio	1.0
8TF	Welch, Thomas E.	92 N. Main St., Mechanicsville, N. Y.	1.0
8HV	Weller, Alvin	1140 Warren Rd., Lakewood, Ohio	1.0
8FN	Wellington, Vernon D.	511 Gibbs Ave., Wapakoneta, Ohio	.5
8APS	Welty, Noble K.	302 W. College St., Cannonsburg, Pa.	.5
8MT	Wendeln, Bernard O.	133 N. Wayne St., St. Marys, Ohio	1.0
8ADF	Wermer, Herman E.	41 Fay St., Akron, Ohio	.5
8RQ	Westcott, Alva F.	Ashville, N. Y.	1.0

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
8AEZ	West, M. B.	511 W. Eureka St., Lima, Ohio.	Kw. 1.0
8JM	Westfall, Earl J.	292 Ontario St., Buffalo, N. Y.	.5
8ALW	Weyer, Elliott R.	Washington, Pa.	.5
8VM	Wheat, Henry A., jr.	584 S. Main St., Geneva, N. Y.	.5
8LK	Wieneke, Edward	128 Peterboro St., Detroit, Mich.	.5
8PP	Wier, Edwin	742 Gott St., Ann Arbor, Mich.	.5
8ARP	Wight, Lloyd W.	127 Courtland, Wellington, Ohio.	.5
8TC	Wightman, E. Russell.	Flint Central High School, Flint, Mich.	1.0
8ACS	Wiley, Donald A.	3029 Harvey Ave., Cincinnati, Ohio.	.5
8UH	Wiley, Violet A.	159 Northampton St., Buffalo, N. Y.	.5
8FM	Wilkinson, Howard E.	239 Blaine Ave., Buffalo, N. Y.	.5
8VK	Willard, Charles A.	2025 W. 95th St., Cleveland, Ohio.	.5
8IL	Williams, Burton P.	2321 Perrysville Ave., Pittsburgh, Pa.	.5
8EH	Williams, Claude	820 Brooks St., Ann Arbor, Mich.	1.0
8AIN	Williams, John C.	60 Hollister St., Cincinnati, Ohio.	.5
8JT	Williams, Raymond K.	1342 Westlake Ave., Lakewood, Ohio.	.5
8KT	Williamson, Warren, jr.	1840 Market St., Youngstown, Ohio.	.5
8GC	Wilson, Albert S.	Apollo, Pa.	1.0
8AHD	Wilson, Arthur Y.	838 Ohio Ave., Youngstown, Ohio.	.5
8ARZ	Wilson, Harold II.	Silver Creek, N. Y.	.5
8AFE	Windham, Elwood A.	917 Lincoln Ave., Port Huron, Mich.	.5
8JD	Wing, Willis K.	Scott High School, Toledo, Ohio.	1.0
8UF	Wing, Willis K.	938 Grand Ave., Toledo, Ohio.	.5
8ADL	Winne, Robert F.	19 Holley St., Brockport, N. Y.	1.0
8AGD	Wirsching, Harold A.	24 Cannon St., Dayton, Ohio.	.5
8ARD	Wollmuth, Edward	827 Bird Ave., Buffalo, N. Y.	.5
8SA	Wood, Dewey H.	634 Grace St., Kalamazoo, Mich.	.5
8AFG	Wood, Donald	310 Augustine St., Rochester, N. Y.	.5
8AOL	Wood, Walter S.	752 Ardmore St., Akron, Ohio.	.5
8AKO	Woodbury, George F.	137 E. William St., Bath, N. Y.	.5
8SK	Woodcock, William D.	496 W. Ferry St., Buffalo, N. Y.	1.0
8AMM	Woodin, Lloyd	15 Lakin Ave., Jamestown, N. Y.	.5
8AGO	Woodmanse, Harold W.	214 Morris Ave., Buffalo, N. Y.	.5
8AAI	Woodruff, C. Herschel	48 Woodruff Ave., Columbus, Ohio.	.5
8ADB	Woods, James B.	400 Wills Rd., Conneville, Pa.	1.0
8SU	Woodworth, Samuel.	R. F. D. No. 3, Syracuse, N. Y.	1.0
90A	Worbass, Raymond K.	7410 Carnegie Ave., Cleveland, Ohio.	.5
8AON	Worden, Ralph P.	665 Lafayette Rd., Medina, Ohio.	.5
8ANG	Wright, Harold D., jr.	1116 W. Market St., Lima, Ohio.	.5
8NP	Wright, J. Warren	1119 Fountain Ave., Springfield, Ohio.	.5
8AI	Wright, William A. S.	7216 McCurdy Pl., Ben Avon, Pa.	.5
8BS	Wurtz, Francis L.	Boston, N. Y.	.5
8TR	Yaeger, Henry	1036 N. Clinton Ave., Rochester, N. Y.	.5
8WN	Yerigan, George S.	632 E. Ludlow St., Hamilton, Ohio.	.5
8ASU	Yotter, Francis P.	Freeport, Pa.	.5
8ARB	Young, Arthur C.	1311 Abbott Rd., Buffalo, N. Y.	.5
8ALK	Young, Joel	717 W. Gray St., Elmira, N. Y.	.5
8WU	Young, L. Clifford	722 N. Washington St., Van Wert, Ohio.	1.0
8JQ	Young Men's Christian Association.	110 Fourth Ave., Ann Arbor, Mich.	1.0
8GB	Young Men's Christian Association.	Zara and Virginia Sts., Pittsburgh, Pa.	.5
8AFI	Young Men's Christian Association Radio Club.	Elyria, Ohio.	1.0
8VV	Zelgler, Harry W.	7th and Ross Sts., Tarentum, Pa.	1.0
8IT	Zelenka, Stanley	3546 Caryle Ave., Cleveland, Ohio.	.5
8CH	Zikovsky, Theodore	44 Kingsville Ave., Ashtabula, Ohio.	1.0
8NI	Zimmerman, Frederick C., jr.	15 Taft Ave., Detroit, Mich.	.5
8VN	Zornow, Harry	661 E. 120th St., Cleveland, Ohio.	1.0

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AA	Hausding, William A.	8AAG	Dominick, John H.	8AAM	Murdoch, William B., Jr.
8AAB	Anderson, L. R.	8AAH	Ditto, Earl J.	8AAN	Lohrey, Clarence R.
8AAC	Tiffany, Wade R.	8AAI	Woodruff, Charles H.	8AAO	Bishman, Richard F.
8AAD	Moore, John H.	8AAJ	Brice, William E.	8AAP	Brown, Stanley E.
8AAE	Helbling, William E.	8AAK	Pardridge, Clarence R.	8AAQ	Devinney, Robert C.
8AAF	Robinson, David L.	8AAL	Moyer, Gilbert G.		

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AAR	Stouffer, Vernon.	8AEE	Schmid, Paul J.	8AIA	Cady, Fred L.
8AAB	Bower, George C.	8AEF	Perry, Ransom, jr.	8AIC	Feldstein, Milton.
8AAT	Kinman, Carson S.	8AEG	Cawley, Eugene H.	8AID	Butine, Arthur B.
8AAU	Brownell, Ralph.	8AEH	Balson, Donald W.	8AIE	Murphy, Leo F. J.
8AAV	Frank, Newton J.	8AEI	Ersikine, James	8AIF	Bell, Irving.
8AAW	Bear, Walter D.	8AEJ	Wells, Frank J.	8AIG	Parry, Kenneth E.
8AAX	Miller, Carl E., jr.	8AEK	Kiger, Ernest W.	8AIH	Hoehli, Raymond H.
8AAY	Wannenmacher, Harvey F.	8AEL	Reynolds, Marion B.	8AII	Sanborn, Irwin T.
8AAZ	Kaufman, Jacob W.	8AEM	Galloway, W. Lyon.	8AIJ	Huey, Wesley
8AB	Barr, Forrest L.	8AEN	Manning, Stuart.	8AIL	Conrad, Mark
8ABA	Burgwardt, Frederick C., jr.	8AEO	Doeright, Gilbert A.	8AIM	Brothers, Loyd C.
8ABD	Myers, Walter L.	8AEP	Shedd, Arthur.	8AIN	Williams, John C.
8ABE	Von Gunten, Leon.	8AEQ	Albertson, William C.	8AIP	Tatman, Harley C.
8ABG	Caswell, Frank A.	8AER	Mattice, William A.	8AIQ	Karl, Rudolph.
8ABI	Stellwagen, Arthur.	8AES	Mittendorf, Earl D.	8AIR	Munro, Glenn A.
8ABK	Storck, Howard J. C.	8AET	Cole, Kenneth.	8AIS	Burdick, George M. C.
8ABM	Grosse, Herbert F.	8AEU	Rippl, Lewis M.	8AIT	Carpenter, Sears.
8ABN	Jones, Hugo W.	8AEV	Houck, Homer D.	8AIU	Kays, George W., jr.
8ABO	Mann, Orville L.	8AEW	Shields, Robert D.	8AIV	Keastle, Albert.
8ABR	Howe, Richard H.	8AEX	Calkins, Norman.	8AIY	Carroll, Stanley W.
8ABB	Coville, Perkins.	8AEY	Davis, Harold P.	8AIZ	Thornton, Wallace.
8ABT	Dotterweich, Edward, jr.	8AEZ	West, M. B.	8AJ	Custis, Walter E.
8ABU	Hopkins, Cecil W.	8AF	Frey, Frederick E.	8AJA	Parrrington, Walter O.
8ABW	Straw, E. Clyde.	8AFA	Schlesinger, Louis.	8AJG	Braatz, Eugene C.
8AC	Richmond, Norman E.	8AFD	Finley, Chester T.	8AJJ	Baker, Gerald M.
8ACA	Hisey, Norval W.	8AFE	Windham, Elwood.	8AJM	Calvert, Allen.
8ACD	Palmer, Roy.	8AFG	Wood, Donald.	8AJN	Knott, Charles E.
8ACE	Norquist, Reynold O.	8AFI	Y. M. C. A.	8AJO	Amann, J. C.
8ACI	Thomas, Frank P.	8AFK	Robertson, Adelbert R.	8AJR	Smith, Harold H.
8ACK	Blair, Russell M.	8AFM	Kilbury, Walter A.	8AJS	Raschle, Joe L.
8ACM	Jacobus, Roger.	8AFN	Moore, Harold S.	8AJT	Clement, Russell C.
8ACN	Kelso, Herbert F.	8AFO	MacKnight, J. Donald.	8AJU	Bell, Charles H.
8ACO	Dietsch, Carl G. F.	8AFR	Walsar, Arthur L.	8AK	Taylor, Willard L.
8ACR	Atkinson, Ward.	8AFS	Kovatch, Alex.	8AKA	Kepler, Ralph E.
8ACS	Wiley, Donald A.	8AFT	Leighton, Paul A.	8AKB	Pickens, W. H.
8ACT	Baumgardner, Donald G.	8AFU	Beaman, Paul S.	8AKC	Bain, Ovid.
8ACU	Waller, Nellie M.	8AFW	Selple, Robert H.	8AKD	Stanton, R. E.
8ACW	Johnstone, Richard S.	8AG	Broome, Donald W.	8AKE	Daly, James J.
8AD	Stybr, Gilbert.	8AGA	Katzenberger, Raymond.	8AKF	Hepper, Earl.
8ADA	Rann, Maurice B.	8AGB	Jacks, Albert L.	8AGG	Bower, Orville D.
8ADB	Woods, James B.	8AGC	Donahue, James B.	8AGH	Hartwich, Harry.
8ADC	Roy, Percy W.	8AGD	Wirsching, Harold A.	8AGI	Merrick, W. Bernard.
8ADD	Fassett, G. M. Earle.	8AGE	Hanville, Roy A.	8AGJ	Strath, Floyd E.
8ADE	Todd, Conway L.	8AGF	Howard, Carl G.	8AGK	Von Behren, Wm. P.
8ADF	Werner, Herman E.	8AGG	Anton, William G.	8AGO	Woodbury, Geo. F.
8ADG	Chandler, Merle C.	8AGH	Burns, Herman E.	8AKQ	Kaehni, Frank J.
8ADH	Lee, Harry H.	8AGI	Rembold, Walter O.	8AKS	Meredith, C. Palmer.
8ADI	Cundall, Lincoln A.	8AGJ	Ricksecker, Russell E.	8AKV	Gaige, Robert J.
8ADJ	Kohli, Homer J.	8AGK	Morris, Carleton D.	8AKW	Giesenberg, Carl.
8ADK	Ford, Elliot.	8AGL	Bishop, Robert C.	8AKX	Spaulding, Claude W.
8ADL	Winne, Robert F.	8AGM	Burtis, Melvin M.	8AKY	Dyke, S. Eugene.
8ADM	Derrall, William G.	8AGN	Lindsay, A. M., jr.	8AKZ	Sayles, Thomas S.
8ADN	Stradling, Fred.	8AGO	Woodmansee, Harold W.	8AL	Russell, James.
8ADO	Kahn, Fred J.	8AGP	Popky, Charles J.	8ALA	Snider, Ellwood H.
8ADP	Brown, Clarence W.	8AGQ	Learmont, Victor.	8ALD	Lacock, Walter B.
8ADQ	Olson, Elvin E.	8AGR	Scupholm, Fred J.	8ALE	Alexander, Lot and Hodge.
8ADR	Sullebarger, John.	8AGS	Hart, Ian B.	8ALI	Dauberman, John R.
8ADS	Schamberger, Sanford O.	8AGT	Hand, Ledyard M.	8ALK	Young, Joel.
8ADT	Greenwald, Hugo.	8AGU	Jepson, Mark B.	8ALM	Hunter, Noble A.
8ADU	Hoffman, Donald A.	8AGV	Waltz, Roy A.	8ALN	Addis, Roy R.
8ADV	Wedthoff, Guy G.	8AGW	Carlson, Wendell L.	8ALO	Bovee, Charles W.
8ADW	Barris, Allen.	8AGX	Paasch, Harold.	8ALS	Reed, Arthur J.
8ADX	Preston, Kenneth G.	8AGY	Durham, Harold M.	8ALU	Burkhardt, Geo. E.
8ADY	Atkinson, Earl W.	8AGZ	Bohannan, Robert C.	8ALW	Weyer, Elliott R.
8ADZ	Euler, John F.	8AHA	Matthes, Frank P.	8AM	Hartle, Willbert G.
8AE	Bernadt, Wm. F.	8AHD	Wilson, Arthur Y.	8AMA	Champe, Willard C.
8AEA	Cushman, Robert A.	8AHE	Bruning, Miles F.	8AMB	Koch, Frank.
8AEB	Kepler, Newton.	8AHN	Hawks, Harry L.	8AMD	Craig, Palmer.
8AEC	Gerhard, David.	8AHO	Reidenbach, Lester A.	8AMF	Swingle, Forrest W.
8AED	McCutcheon, William.	8AHS	Walrath, F. E.	8AMG	Altdoerfer, Frank H.
		8AHW	Kremer, Harold E.	8AMH	Wilson, James A.
		8AI	Wright, Wm. A.	8AMI	Hanny, George.
				8AMJ	Allan, Donald.
				8AMK	Perry, Paul A.
				8AMO	Supernaw, Jack S.

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AMP	Hodgkins, Harley G.	8AQE	Kerstetter, J. How-	8BC	Davis, Charles C.
8AMQ	Anson, Charles T.		ard.	8BD	Kimberly, Frank.
8AMR	Ewell, Lionel C.	8AQQ	Richardson, Norton.	8BE	Lippert, John P.
8AMV	Thompson, Charles R.	8AQI	Bookwalter, John F.	8BF	Jarvis, Roy B.
8AMW	Kreuzer, Joseph D.	8AQK	Van De Carr, Rich-	8BI	Kroeger, Gustav H.
8AMY	Kingsbury, Ralph N.		ard D.	8BK	O'Bryan, James W.
8AMZ	Hovey, Carlton F.	8AQM	Redington, Edmond	8BL	Ruhl, Mark.
8ANB	Bower, Stanley.		B.	8BM	Mason, George W.
8ANC	Israel, Dorman.	8AQN	Burdg, Clarence E.	8BN	Lyons, Henry E.
8AND	Thurnes, Darley.	8AQO	Hofstetter, George E.	8BO	Macer, Arthur J.
8ANE	Russell, Fred W.	8AQR	Famariss, Walter.	8BP	Menges, William E.
8ANF	Fraser, Ralph L.	8AQS	Knapp, Forest H.	8BR	Miner, Simeon J.
8ANG	Wright, Harry D., jr.	8AQT	Burberly, Mahlon R.	8BS	Swan, Donald.
8ANH	Stewart, Donald G.	8AQU	Leach, Frederick E.	8BT	Ackerman, Edmund
8ANI	Seldel, Frank.	8AQW	Weckel, Wilson E.		K.
8ANJ	Burgoon, Wesley.	8AR	Schorn, Valentine A.	8BU	Stallrecht, Howard.
8ANK	Ermest, Robert A.	8ARA	Peters, Edward.	8BV	Wagner, Wayne.
8ANL	Lepert, John L.	8ARB	Young, Arthur C.	8BW	Robinson, David K.
8ANM	Griggs, Kenneth C.	8ARC	Newman, Ansley.	8BX	Davis, Herbert E.
8ANN	Omers, Warren A.	8ARD	Wollmuth, Edward.	8BY	Schwindt, Herman J
8ANO	Baisley, J. Everett.	8ARE	Tullis, Don D.	8BZ	Turnbull, Alonzo E.
8ANP	Exline, George A.	8ARF	Baillie, Howard L.		
8ANQ	Lewis, Nelson.	8ARG	Cross, Irving.	8CA	Fidler, Sherwood K.
8ANR	Benson, Walfred.	8ARH	McBride, George.	8CC	Barnett, Walter J.
8ANS	Foltz, Harold H.	8ARI	Ross, Kendrick.	8CD	Benx, Carroll.
8ANT	Slyfield, Charles O.	8ARJ	Ingalls, Allan C.	8CE	Reeves, Arthur A., jr.
8ANU	Jensen, Luther J.	8ARK	Corey, Dwight.	8CF	Beller, Harold F.
8ANV	Glause, Edwin H.	8ARL	Johnson, Gordon.	8CG	Grieb, Edward.
8ANW	Brown, Le Roy.	8ARM	Harrick, Robert E.	8CH	Zikovsky, Theodore.
8ANX	Phillips, William M.	8ARN	Houck, Hugh H.	8CI	Danforth, Gordon F.
8ANY	Carpenter, Donald F.	8ARO	Bunning, Theodora.	8CJ	Plantinga, John G.
8ANZ	Murray, Charles.	8ARP	Wight, Lloyd W.	8CK	Grinnell, Russell R.
8AO	Deighan, Edward I.	8ARQ	Gurney, Daniel.	8CL	Waller, Roy W.
8AOA	Dietz, Howard L.	8ARR	Walgold, Fred L.	8CM	Bieber, Carl W.
8AOB	Wachs, William C.	8ARS	Flora Russel.	8CN	Barton, James F.
8AOC	Kent, Arthur L.	8ART	Coughenour, Virgil J.	8CO	Harmon, H. W.
8AOD	Ragsdale, Charles C. C.	8ARU	Tyler, Albert P.	8CP	Smith, Newell R.
8AOE	Hill, James E.	8ARV	Toreson, Alfred.	8CQ	Brede, Erwin F.
8AOF	Morrow, Lorentz A.	8ARW	Belinson, Mayer.	8CR	Johnson, J. H. E.
8AOG	Creps, John A.	8ARX	Ackley, William J.	8CS	Partridge, Walter T.
8AOH	Clauve, Carl E.	8ARY	Splitter, Stephen.	8CT	Bush, Claude M.
8AOI	Durtles, Gerald H.	8ARZ	Wilson, Harold H.	8CU	Forshee, Kenneth.
8AOJ	Durstone, John E.	8AS	Muhlbeyer, Chas. W.	8CV	Kress, Lester P.
8AOK	Drewster, Fred J.	8ASA	Liminger, Clarence R.	8CW	Ryan, Reginald G.
8AOL	Wood, Walter S.	8ASB	Millspaugh, Fredk.	8CX	Phippeny, Forrest I.
8AOM	Hamel, Arthur.	8ASC	Kidd, J. William.	8CY	Fayne, Arthur F.
8AON	Worden, Ralph P.	8ASD	Dunmore, Wallace P.	8CZ	McDaniel, Donald G.
8AOP	Sauerbrey, Wm. J.	8ASF	Stolzenbach, Robert		
8AOQ	Bowyer, Glenn B.		and Charles.	8DA	Horton, Paul E.
8AOR	Saunders, Ezra L.	8ASG	Howsare, Geo. D.,	8DB	Scoville, George I.
8AOS	Adams, Joy C.		and Flory, Carl L.	8DC	Schulder, Arthur.
8AOT	Elszler, Emmerson L.	8ASH	Finegan, George W.	8DD	Fleckner, Harry K.
8AOU	Demarest, Foster J.	8ASI	Roe, Millard J.	8DF	Orrall, Robert W.
8AOV	McKee, Robert R.	8ASJ	Conner, Charles E.	8DG	Shiley, Charles.
8AOW	Cramer, Charles F.	8ASK	Evans, Jack.	8DH	Temple, Lemuel M.
8AOX	Clem, Robert.	8ASL	Proutey, Laurence.	8DI	Gurnee, Floyd L.
8AOY	Cooley, Clair R.	8ASM	Terry, Donald M.	8DJ	Phillips, Glenn.
8AOZ	Hughes, Edwin R.	8ASN	Fisk, Rufus.	8DK	Kobr, Frank.
8AP	Ferris, James H.	8ASO	Carr, Irving E.	8DL	Osterbrock, Edward
8APA	Reich, Herbert.	8ASP	Gamble, Howard B.		and Harry.
8APD	Beer, Frank P.	8ASQ	Greenwell, Robert.	8DM	Esch, Winthrop W.
8APE	Schmidt, Paul.	8ASR	Paul, George.	8DN	Knappen, Bert.
8APF	Lockwood, Harry P.	8ASS	Olney, Clarke.	8DO	Bell, Norman W.
8APG	Henes, Christian.	8AST	Hills, Harold C.	8DP	Fritsche, Lewis W.
8API	Chilids, Herbert R.	8ASU	Yotter, Francis P.	8DR	Holmes, Chas. E.
8APK	Bachtel, Alfred.	8ASV	Davidson, Robert L.	8DS	Godley, Gordon F.
8APM	Auten, George C.	8ASW	Sager, Merel.	8DT	Rogers, Grant.
8APN	Bock, Ashley P.	8AT	Barton, Howard.	8DV	Cobb, Rupert.
8APO	Twitshell, H.	8AU	Frost, Harry E.	8DW	Apper, Charles O.
8APR	Huff, Samuel W.	8AV	Fullwood, William R.	8DX	Swaisgood, Paul B.
8APS	Welty, Noble K.	8AW	Gogel, Adelbert J.	8DY	Stecher, Harold I.
8APT	Newton, Harold D.	8AX	Gentsch, Leonard H.	8DZ	Aker, Ellison E.
8APU	Servais, Francis W.	8AY	Irvin, Daniel L.		
8APW	Reichle, Henry W.	8AZ	Hansen, Edmund H.	8EA	Mack, Clifford J.
8AQ	Ela, Willard C.			8EB	Munsell, Robert S.
8AQA	King, William R.	8BA	Hiller, Herbert.	8ED	Carver, Alfred J.
8AQD	Dilworth, John G.	8BB	Howes, Stanley L.		

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8EE	Selden, James M., jr.	8HA	Birkel, Lawrence J.	8JY	Chamberlain, Oscar A.
8EF	Dorst, Edward L.	8HB	Phillips, Maynard W.	8JZ	Manning, A. J.
8EG	Gebhard, Louis A.	8HC	Johnston, S. Paul.		
8EH	Williams, Claude.	8HD	Myers, Homer.	8KA	Ankerman, Roy E.
8EI	Gray, Clarence N.	8HE	Grotticelli, Emil.	8KB	Core, Eugene D.
8EJ	Watson, Samuel C.	8HF	Weemhoff, S. J.	8KC	Gammon, Joseph.
8EK	Kumpf, Elmer H.	8HG	Schardt, Carl M.	8KD	Benjamin, Carlisle.
8EL	Langenbach, Leo.	8HH	Schaming, John P.	8KF	Beck, Frank G.
8EM	Wilkinson, Howard E.	8HI	McCracken, Harold J.	8KG	Leffler, Ralph H.
8EN	Myers, G. E.	8HJ	Terry, James E., II.	8KH	Angel, Jay L.
8EO	Kinney, Russell.	8HK	Spiller, Archibald G.	8KI	Brockway, Earl H.
8EP	Hornbeck, John.	8HL	Blake, F. D.	8KK	Devaney, Richard G.
8EQ	Weekman, Frank L. and Vern W.	8HM	Human, Edward J. L.	8KL	Smith, Raymond.
		8HN	Schlegel, Raymond G.	8KM	Guest, Wesley T.
8ER	Elias, Louis W.	8HO	Holt, George W.	8KN	Odenkirk, Russell.
8ES	Aber, Ernest M., jr.	8HP	Moersfelder, Herbert L.	8KO	Combs, Frayne.
8ET	Dieterich, Adele F.	8HQ	Poux, Noel J.	8KP	Fuss, Chester.
8EU	Kinne, Laurance W.	8HR	Foster, Clarence M.	8KQ	Fisher, Earl U.
8EV	Mason, Carl D.	8HS	Berry, L. Mack	8KR	Hills, Virgil A. and Harold G.
8EW	Current, Warren J.	8HT	Petz, Joseph.	8KS	Newton, Archibald E.
8EX	Henlein, Carl A.	8HU	Faroo, Glenn.	8KT	Williamson, Warren, jr.
8EY	Weaver, J. Marshall.	8HV	Weller, Alvin.	8KU	Cookman, Murray R.
8EZ	Mitchell, William E.	8HW	Strunk, William O.	8KV	Schramm, Joseph H.
		8HY	Kuehner, Roland.	8KW	Kohler, Harry.
8FA	Fender, Clinton H.	8HZ	Fraser, John W.	8KX	Cuff, Harold C.
8FB	Ulsh, Chester.			8KY	Thomas, Earl R.
8FC	Holden, Ira S.	8IA	Griffin, John F.	8KZ	Snyder, Lawrence L.
8FD	Walker, Carl.	8IB	Mielke, Carl E.		
8FE	Finch, Brent S.	8IC	Hoover, Paul L.	8LA	Lindsay, Percy H.
8FF	Baker, Raymond, S.	8ID	Norris, George II.	8LB	Palmer, Roland F.
8FG	Coleman, John B.	8IE	Schellenbach, Donald	8LC	Curtiss, Glenn W., jr.
8FI	Burger, Richard W.	8IF	Sternfield, Charles B.	8LD	Rice, H. D.
8FJ	Clausing, Leroy M. E.	8IG	Ross, Donald H.	8LE	Scott, Hoyt S.
8FL	Hudson, Albert N.	8IH	Steim, L. H.	8LF	Loeb, George.
8FM	Daugherty, Robert J.	8II	Diedrich, Paul E.	8LG	Sibert, Richard E.
8FN	Wellington, Vernon D.	8IJ	McDowell, M. Fay.	8LH	Stauf, Jacob L.
8FO	Snyder, Norman G.	8IK	Williams, Burton P.	8LI	Hill, Dorman S.
8FP	Esslinger, Elwin.	8IL	Collins, Benj. F.	8LJ	Linxweiler, Carl J.
8FQ	Phelps, Raymond W.	8IM	Essinger, Arthur.	8LL	Schwanecamp, Raymond.
8FR	Briggs, Fred.	8IN	Garrity, William D.		
8FS	Donohue, Daniel, jr.	8IO	Trotter, Robert J.	8LM	MacLaughlin, Donald.
8FT	Spargo, James A.	8IP	Electro-Set Company, The.	8LN	Butler, Harry F.
8FU	Blattner, Emil H.	8IQ	Miller, Arthur P.	8LO	Nabring, Franklin Bly, Ralph.
8FV	Francis, Jesse J.	8IR	Munch, Ernest A. and Albert A.	8LP	Dunlap, Orrin E., jr.
8FW	Banes, Charles C. A.	8IS	Albert A.	8LR	Magdeburg, Morris R.
8FX	Thomas, Norman.	8IT	Zelenka, Stanley.	8LS	Rawson, Myron A.
8FY	Prince, Harmon.	8IU	Eaton, Floyd W.	8LT	Copp, Stanley.
8FZ	Bennett, Edward J.	8IV	Fox, John F.	8LV	Kromme, Frank.
		8IW	Green, John B.	8LX	Ilgenfritz, James I. E.
8GA	Burr, Gordon.	8IX	Dencer, John.	8LY	Rose, Herman.
8GB	Hill Top Y. M. C. A.	8IY	Bidwell, Paul.	8LZ	Hess, Elmer.
8GC	Wilson, Albert S.	8IZ	Steinman, Dwight II.		
8GD	Brinker, William N.			8MB	Maxon, Harry L.
8GE	Terbrack, John II.	8JA	Gunn, Ross.	8MC	Holmes, Charles A.
8GF	McCowan, Jack.	8JB	Beare, George L.	8MD	Hall, Eldred R.
8GG	Edwards, Maynard W.	8JD	Wing, Willis K.	8ME	Preece, Richard, jr.
		8JE	Daniels, Le Roy.	8MF	Robie, Milo H.
8GII	Weaver, Floyd II.	8JF	Moon, Orville.	8MG	Fish, J. Mulford.
8GI	Wahl, Edward C.	8JG	Lord, Harry R.	8MH	Bushnell, Clarence E.
8GJ	Piper, Floyd B.	8JH	Nichols, Raymond D. H.	8MI	Manning, Howard B.
8GK	Tomlinson, George E.			8MJ	Sherman, Fred.
8GL	Konrad, Henry.	8JI	Daddock, Lewis D.	8MK	Vonderhaar, Elliott.
8GM	Root, Leland B.	8JJ	Weber, Walter B.	8ML	Berman, Isidore A.
8GN	Henninger, Alan E.	8JK	Baer, Earle E.	8MM	Levy, Irving R.
8GO	Kohnitz, Harvey F.	8JL	Raring, William.	8MN	Knoll, Floyd A.
8GP	Swanson, Oscar.	8JM	Westfall, Earl J.	8MO	Macgregor, James E.
8GQ	Horn, Herbert E.	8JN	Arthurs, Biddle, jr.	8MP	Neupert, Robert E.
8GR	Long, Charles A.	8JO	Becker, Freeman A.	8MQ	Duff, Cuthbert.
8GS	Kneale, Charles K.	8JP	Y. M. C. A.	8MR	Livinggood, Hubert W.
8GT	Hoover, Raymond.	8JQ	Sherrill, Alvan C.		
8GU	Loehr, George R.	8JR	Williams, Raymond.	8MS	Ritchey, Ole B.
8GV	Kleber, Jackson O.	8JT	McCann, Charles S.	8MT	Wendeln, Bernard O.
8GW	Spencer, J. Edmund.	8JU	Williams, Raymond.		
8GX	Sheerin, Conway.	8JV	McCann, Charles S.		
8GY	Birkel, Lawrence J.	8JW	Kreighbaum, Cyril.		
		8JX	Anderson, Joseph.		
			MacCandless, Lyon II.		

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8MU	Watson, Martin L.	8PW	Weaver, Frank M.	88U	Woodworth, Samuel.
8MV	Carson, William H.	8PY	Cook, Vernor.	88V	Bratton, Harry B.
8MW	Follet, Louis, Jr.	8PZ	Guy, Fred E.	88W	Eames, William F.
8MX	Cooke, Lovell.			88X	Vanderveken, Marix.
8MY	Fisher, Harold W.	8QA	Struchen, Raymond S.	88Y	Maynard, Reginald.
8MZ	Goodrich, Harry.			88Z	Tobin, W. A.
8NA	Waterman, Fred W.	8QB	Haderer, John.	8TA	Bursor, Johnny I.
8NB	Frederick, Paul E.	8QC	Lucas, W. Gerald.	8TB	Handler, Eugene.
8NC	French, Samuel W.	8QD	Leonhardt, Carl.	8TC	Wightman, E. Rus- sell.
8ND	McCarty, Allison.	8QE	Barnhart, Walter.	8TD	McMillin, Howard F.
8NE	Mostaller, Floyd.	8QF	Kirchner, Charles.	8TE	Shafer, Andrew L.
8NF	House, Elra E.	8QG	Lewis, Walter E.	8TF	Welch, Thomas E.
8NG	Arenson, William.	8QH	Kelly, Edward O.	8TG	Meighan, James C.
8NH	Candler, Charles and Emma.	8QI	McEniry, Clifford U.	8TH	Gallo, Tony.
8NI	Zimmerman, Fred- erick C., jr.	8QJ	Gould, Henry W.	8TI	Newbold, James L.
8NJ	Crumbie, Goodwin B.	8QK	Corey, Harry E.	8TJ	Rich, Martin.
8NK	Hunt, Barton L.	8QL	Milyo, Stephen.	8TK	Jefferys, Paul.
8NL	Appel, Floyd.	8QM	Mann, Roland.	8TL	Dowding, Sidney.
8NM	Keen, William L.	8QN	Smith, Grant A.	8TM	Weber, Walter B.
8NN	Chester, Allan.	8QO	Powell, Ralph C.	8TN	Fla Havhan, Harry E.
8NO	Hansen, Torvald R.	8QP	Kampfe, Norbert J.	8TO	Stotter, Herbert J.
8NP	Wright, J. Warren.	8QQ	Grostick, George E.	8TP	Nealon, William A.
8NQ	McMunn, J. Homer.	8QR	McCaig, William J.	8TP	Brooks, Clarence H.
8NR	Hare, Paul W.	8QS	Van Buren, Harold J.	8TR	Yaeger, Henry.
8NT	Proffitt, J. B.	8QT	Spindler, Raymond.	8TS	Eppley, Ervin W.
8NU	Barker, Gilroy.	8QU	Ifoan, James E.	8TT	Slagle, Vernon T.
8NV	Sayles, Ralph H., jr.	8QV	Potts, Charles G.	8TU	Leach, Gardner V.
8NW	Hankin, John H.	8QW	Basinger, Roswell.	8TV	Wallace, L. Gordon.
8NX	Weiser, Elmer P.	8QX	Davis, Benton W.	8TW	Richey, Joseph L.
8NY	Brown, Fred C.	8QZ		8TX	Anders, Harry R.
8NZ	Simecox, Paul C.			8TY	Ehrhardt, Roy C.
				8TZ	Beasley, Ira E.
8OA	Worbass, Raymond K.	8RA	Klager, Oscar C.	8UA	Foncanon, H. Knight.
8OB	Waldrip, Laurence H.	8RB	Leach, J. Gardner.	8UC	Chadde, Walter F.
8OE	Smith, Verne E.	8RC	Well, Norman C.	8UD	Brown, Kenneth W.
8OG	Hinton, Don.	8RD	Burr, Roy C.	8UE	Motz, Leo.
8OH	Harter, Raymond.	8RE	Weeks, Stuart R.	8UF	Wing, Willis K.
8OJ	Furlong, Marcie J.	8RG	Copeland, Arthur.	8UG	Moore, Chester.
8OK	Scheib, Joseph F.	8RH	Locke, Carl M.	8UH	Wiley, Violet A.
8OL	Stern, Fred W.	8RJ	Irvine, Robert P.	8UI	Lester, William G.
8OM	Balsley, James I.	8RK	Dalrymple, Clarence.	8UJ	Boardman, Thomas H.
8ON	Ilggenfritz, Lester M.	8RL	Alexander, Frank.	8UK	Egan, James.
8OO	Hummel, Richard O.	8RM	Altman, Allen.	8UL	Mitchell, Phillip.
8OP	Reynolds, Charles L.	8RO	Gwinner, Frederick III.	8UM	Fiehr, Paul D.
8OQ	Cross, Blakely E.	8RP	Sutherland, Arthur E., jr.	8UN	MacPherson, William D.
8OR	Mason, Norman P.	8RQ	Wescott, A. F.	8UO	Jones, D. Walter.
8OT	Pancost, Maurice H.	8RR	Hull, Earl C.	8UP	Lathrope, L. Stuart.
8OU	Boyer, Harry.	8RS	Alger, Allan E.	8UQ	Leary, Robert.
8OV	Wahl, Arthur F. and Wilburt C.	8RT	Toy, Miles N.	8UR	Hott, Loewy.
8OW	Mitchell, Edward H.	8RU	Poad, Edwin H.	8US	Hancock, H. W.
8OX	Dreux, Alexander J.	8RV	Marshall, Frank J.	8UT	Hirsch, Leo.
8OY	Peck, George W.	8RW	Marshall, Claude.	8UU	Schmidt, George.
8OZ	Staud, Cyril J.	8RX	Ryan, Theodore W.	8UV	Marshall, Ronald A.
		8RY	Goetz, Carl P.	8UW	Gregory, P. L.
8PA	Miller, Arthur N.	8SA	Wood, Dewey H.	8UX	Sleeman, Walter R.
8PB	Case, Theodore J.	8SB	Evans, George M.	8UY	Adams, Lucius O.
8PC	Kersting, Ferdinand.	8SC	Marshall, Leonard.	8UZ	Moore, John B.
8PD	Krause, Karl A.	8SD	Johnston, Clarence N.	8VA	Pearce, Henry A.
8PE	Fisher, George C.	8SE	Vickery, William J.	8VB	Trombley, Clarence E.
8PF	Malbin, Samuel.	8SF	Fowler, Robert J.	8VC	Brown, Arthur B.
8PJ	Ehrick, W. F.	8SG	Pesek, Myron R.	8VD	Riehle, J. F.
8PK	Gamble, Frederick D.	8SH	Spotts, Ralph T.	8VE	Siedle, William R.
8PL	Eckel, John F.	8SI	Beach, Walter R.	8VF	Case, J. Gifford.
8PM	See, Chester.	8SJ	Ottney, James N.	8VG	Chartener, Ralph R.
8PO	Carter, David G.	8SK	Woodcock, W. D.	8VH	Goggin, Nicholas L., jr.
8PP	Wier, Edwin.	8SL	Cocklin, Gilbert W.	8VI	Case, Harlow.
8PQ	Shaw, Eurclie L.	8SM	Coleman, H. Burr.	8VJ	Umbarger, Harold N.
8PR	Stiveson, Andrew.	8SN	Glatzel, Earle D.	8VK	Willard, Charles A.
8PT	Hornung, Romeo W.	8SO	Preston, Menzo D.	8VL	Edick, Leonard J.
8PU	Jones, Winford E.	8SP	Reid, Thomas A.		
8PV	Jackson, The C. F. Co.	8SQ	Clarke, John H.		
		8SR	Mueller, Henry C.		
		8SS	Wurtz, Francis L.		
		8ST	Muhlheizler, Louis.		

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8VM	Wheat, Henry A., Jr.	8VZ	Burchard, William K.	8WM	Slocum, Charles.
8VN	Zornow, Harry.	8WA	Griffin, Jesse.	8WN	Yerigan, George S.
8VO	Ackerman, John T., Jr.	8WB	Herrington, Fred.	8WO	Bush, Richard A.
8VP	Bäll, Alfred.	8WC	Allyn, William P.	8WP	Bidwell, Paul.
8VQ	Ziska, Alfred.	8WD	Fox, Edmund H.	8WQ	Poysell, Robert E.
8VR	Calvert, George C.	8WE	Hickler, Walter.	8WR	Carter, David O.
8VS	Buck, E. Harold.	8WF	Judd, Max A.	8WT	Harber, Elwood F.
8VT	Weaver, Henry C.	8WG	Densmore, U. Harry.	8WU	Young, L. Clifford.
8VU	Kane, William C., Jr.	8WH	McCullough, C. Hax.	8WV	Corts, R. E.
8VV	Zeigler, Harry W.	8WI	Gillmore, Willard F.	8WW	Barnes, Orton S.
8VW	Stevens, Allen C.	8WJ	Stelzer, James G.	8WX	Rodd, Herbert C.
8VX	Fraser, William T.	8WK	Weiser, Perry W.	8WY	Hardesty, Howard P.
8VY	Caplan, Zola.	8WL	O'Leary, Hilary.	8WZ	Brown, Ralph M.

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.
9CK	Abel, Wilson L.	224 South St., Waterloo, Iowa	Kw. 0.5
9NH	Abercrombie, Julius B.	2617 Faraon St., St. Joseph, Mo.	1.0
9EX	Adolfson, George S.	5229 Colorado St., Duluth, Minn.	1.0
9DI	Ahrensfeld, William H.	200 N. Prospect Ave., Park Ridge, Ill.	.5
9QD	Albach, Henry, jr.	618 W. 4th St., Lawrence, Kans.	.5
9FV	Aldrich, Clinton P.	6405 Emerald Ave., Chicago, Ill.	.5
9ACI	Allen, George M.	435 Lane St., Topeka, Kans.	.5
9JJ	Alvested, Clarence M.	819 13th Ave., S., Minneapolis, Minn.	.5
9VU	Allman, John C.	Crown Point, Ind.	.5
9TW	Anderson, Axel V.	212 N. Florida St., Laurium, Mich.	.5
9HZ	Anderson, Ivan H.	1711 11th Ave. S., Minneapolis, Minn.	.5
9KM	Anderson, Oscar L.	11815 State St., Chicago, Ill.	.5
9MP	Anderson, Paul D.	Lamoni, Iowa.	1.0
9SN	Anderson, Virgil.	3614 Rebecca St., St. Louis, Mo.	.5
9MB	Andreas, Gerald T.	Bayfield, Wis.	.5
9OE	Andreen, Earl H.	1204 Belknap St., Superior, Wis.	.5
9HA	Andrew, Warren.	Boulder, Colo.	.5
9AJA	Argabrite, George A.	3128 W. 32d Ave., Denver, Colo.	.5
9AEP	Avery, Norman K.	307 Bigelow Ave., Peoria, Ill.	.5
9BT	Baldwin, Edward F.	623 Crawford Ave., Dixon, Ill.	.5
9RD	Bailey, Frank M.	525 Kenilworth Ct., Clinton, Iowa.	1.0
9QI	Baldwin, Harry E.	609 S. 18th St., Omaha, Nebr.	.5
9QL	Baldwin, John G.	Hope, N. Dak.	1.0
9ABR	Baker, Warren C.	38 E. Madison St., Tipton, Ind.	.5
9EM	Ball, George W.	6601 Olmsted Ave., Chicago, Ill.	1.0
9DS	Ballantyne, Elmer.	Hobart, Ind.	1.0
9AGD	Banks, Archie E.	R. F. D. No. 2, Delmar, Iowa.	.5
9AIS	Barber, Orville F.	975 W. Packard St., Decatur, Ill.	.5
9AGW	Barnett, Forrest.	2015 Western Ave., Mattoon, Ill.	.5
9EJ	Barnett, Lawrence T.	684 Greenleaf Ave., Glencoe, Ill.	.5
9WY	Barnickol, Carl R.	2317 Milwaukee Ave., Chicago, Ill.	.5
9AGP	Barrett, Paul G.	3150 Central Ave., Indianapolis, Ind.	.5
9OJ	Barry, Daniel.	310 W. Grand Ave., Springfield, Ill.	.5
9AAR	Barton, Harold D.	20 W. 26th St., Indianapolis, Ind.	.5
9ADL	Bates, Clarence.	2015 Wells St., Milwaukee, Wis.	1.0
9VY	Bauer, George D.	2133 Weisser Park Ave., Fort Wayne, Ind.	1.0
9HR	Baulch, Ernest L.	509 Eddings St., Fulton, Ky.	.5
9JE	Baumer, Harry W.	5036 Kenmore Ave., Chicago, Ill.	1.0
9AGX	Bean, Mason.	521 E. High St., Jefferson City, Mo.	.5
9DJ	Beasley, William A.	1517 Western Ave., Topeka, Kans.	.5
9AFW	Bechtold, Joe and Fred V.	North Manchester, Ind.	.5
9AGS	Becker, Paul M.	4427 Greenwood Ave., Chicago, Ill.	.5
9CL	Beech, Guy L.	Clarinda, Iowa.	.5
9VI	Beesley, Bernard J.	147 Montezuma St., Houghton, Mich.	.5
9CQ	Behmer, William.	1335 S. Kolin Ave., Chicago, Ill.	.5

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
9QT	Beighley, Emmet R.	107 N. 13th St., Fargo, N. Dak.	0.5
9UX	Bell, Fayett.	410 S. 7th St., Oskaloosa, Iowa	.5
9ML	Bement, David L.	910 S. 7th St., Goshen, Ind.	1.0
9KS	Bennett, Harold.	Clarinda, Iowa	.5
9VB	Bennett, Herbert P.	4202 N. Winchester Ave., Chicago, Ill.	1.0
9VP	Benson, Lester A.	2706 Stoddard St., St. Louis, Mo.	.5
9PG	Bergherm, Worth D.	517 N. 3d St., Fargo, N. Dak.	1.0
9HE	Bergvall, Royal C. and Wesley E.	Stephenson, Wis.	.5
9WL	Bierbach, Werner.	655 S. Delaware Ave., Milwaukee, Wis.	.5
9VD	Bitner, Robert E.	519 E. Lewis St., Fort Wayne, Ind.	.5
9WQ	Black, Harry N.	Independence, Iowa	.5
9JY	Black, Max I.	830 W. 3d Ave., Mitchell, S. Dak.	.5
9AEH	Blake, Charles R.	5821 Page Ave., St. Louis, Mo.	.5
9AAU	Blasier, Herbert, jr.	Williamsburg, Iowa	1.0
9DH	Blatterman, Headlee	6172 Westminister Pl., St. Louis, Mo.	.5
9AIC	Bliss, Sidney H.	120 Jackman St., Janesville, Wis.	.5
9UQ	Blood, Lester C.	11165 Esmond St., Morgan Park, Ill.	.5
9WZ	Blue River Power Co.	Crete, Nebr.	1.0
9AFT	Blum, Sidney J.	4105 Campbell St., Kansas City, Mo.	1.0
9VK	Boardman, Horace C. and Clarence E.	372 Park St., Kenosha, Wis.	.5
9HH	Bohac, Leonard.	402 W. 1st Ave., Cedar Rapids, Iowa	1.0
9RC	Bohnstengel, George.	Thornton, Ill.	1.0
9PF	Bolin, Ray E.	5505 Bartmer Ave., St. Louis, Mo.	.5
9SZ	Bonney, Harold H.	Louisville, Ill.	.5
9TM	Honson, George W.	287 East St., Dubuque, Iowa.	1.0
9AGA	Bornofska, Clarence and Elmer.	1322 Lincoln St., Racine, Wis.	.5
9NJ	Brabender, Carl W.	907 Linwood Ave., Evansville, Ind.	1.0
9CT	Brailsford, Harry D.	323 W. Broadway, Louisville, Ky.	.5
9ET	Bramhall, William	234 Mayfield Ave., Chicago, Ill.	.5
9WE	Brandt, Erwin H.	2314 Vliet St., Milwaukee, Wis.	.5
9EA	Brattland, Armond D.	Ada, Minn.	1.0
9CP	Brauch, Nicholas	515 Court St., Le Mars, Iowa	1.0
9SA	Brennan, Joseph D.	501 Alpine St., Dubuque, Iowa.	1.0
9AEN	Brewster, Vernon H.	Crystal Lake, Ill.	.5
9AGU	Briscoe, Bertram O.	848 La Salle St., Chicago, Ill.	.5
9KJ	Briggs, Walter C.	4525 Dupont Ave. S., Minneapolis, Minn.	.5
9FQ	Brigham, Neal D.	330 N. Rural St., Indianapolis, Ind.	.5
9AGN	Brittin, Frank L.	1149 W. Edwards St., Springfield, Ill.	.5
9QH	Brockschmidt, Wesley E.	173 Foote Ave., Bellevue, Ky.	.5
9AGY	Brodnax, Lewis M.	3526 Walnut St., Kansas City, Mo.	.5
9LD	Brooks, Ralph.	27 156th Pl., West Hammond, Ill.	.5
9SD	Broughton, William G.	213 S. Court St., Crown Point, Ind.	1.0
9BU	Brown, Clarence L.	1022 E. Tabor St., Indianapolis, Ind.	.5
9AAI	Bruetle, Walter F., jr.	22 Sterett Ave., Covington, Ky.	.5
9AHU	Buck, Donald N.	5332 Kenmore Ave., Chicago, Ill.	.5
9NP	Buckley, Harold J.	1206 Wrightwood Ave., Chicago, Ill.	.5
9ADO	Bullock, Merlin and Gerald.	3600 Gladstone Blvd., Kansas City, Mo.	.5
9QG	Bundy, Howard E.	1007 S. Gallatin St., Marion, Ohio.	.5
9ABE	Button, Bert A.	2850 R St., Lincoln, Nebr.	1.0
9HI	Burchnell, George M.	Monroeville, Ind.	.5
9SH	Burdick, Roy E.	44 Lake Geneva Rd., Salem, Wis.	.5
9KN	Burg, Harold E.	865 S. Maflit St., Decatur, Ill.	1.0
9ED	Burgess, Charles M.	Geneva, Ill.	.5
9WR	Burghardt, R. Douglas.	5023 N. 24th St., Omaha, Nebr.	.5
9KU	Burgy, Charles A., jr.	693 Willow St., Winnetka, Ill.	.5
9RW	Burnop, Harold.	1945 N. 7th St., Sheboygan, Wis.	1.0
9UW	Burkart, Louis J., jr.	335 W. 9th St., Newport, Ky.	.5
9IQ	Burr, Ralph H.	2029 5th St., Boulder, Colo.	.5
9AFS	Busey, Paul G.	911 W. Nevada St., Urbana, Ill.	1.0
9AAG	Butler, Leonard.	Wheaton, Ill.	.5
9NW	Caldwell, Kenneth R.	623 W. William St., Decatur, Ill.	.5
9AHW	Call, George R.	1529 Pearl St., Sioux City, Iowa	1.0
9AIA	Campbell, Albert.	4243 W. Congress St., Chicago, Ill.	.5
9AGF	Canary, Elmer B.	810 E. North St., Indianapolis, Ind.	.5
9AAC	Carlisle, Lloyd.	716 N. Broadway, Crookston, Minn.	1.0
9QW	Carnes, Theodore L.	1116 N. Capitol Ave., Indianapolis, Ind.	1.0
9LR	Carroll, William H.	6334 McPherson Ave., St. Louis, Mo.	1.0
8WR	Carter, David G.	Grosse Pointe, Mich.	.5
9PC	Carter, George W.	High School Bldg., Fort Wayne, Ind.	1.0
9WF	Carter, George W.	804 Kinnaird Ave., Fort Wayne, Ind.	.5
9GA	Case, Henry W.	Wheeler, Ill.	.5
9LC	Casey, John G.	4945 Forrestville Ave., Chicago, Ill.	.5
9PD	Cassaday, Cecil E.	3038 Brooklyn St., Kansas City, Mo.	1.0

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
9NT	Chapman, Richard C.	1332 K St., Lincoln, Nebr.	0.5
9UL	Cheyne, Thomas L.	526 West Drive, Indianapolis, Ind.	.5
9OB	Church, Archibald, jr.	4854 Dorchester Ave., Chicago, Ill.	.5
9ADY	Clapp, Newell.	Ellsworth, Wis.	1.0
9DP	Clark, Bayard H.	205 Augusta Ave., De Kalb, Ill.	1.0
9ADII	Clark, Donald L.	3240 Alcott St., Denver, Colo.	.5
9VM	Clark, Marion E.	Indianapolis, Ind.	1.0
9AFU	Clayton, Harold H.	R. F. D. No. 5, Monroeville, Ind.	.5
9CU	Clayton, Homer E.	680 Arch St., Indianapolis, Ind.	1.0
9NA	Cleaveland, Leroy A.	374 Farwell Ave., Milwaukee, Wis.	1.0
9VA	Coats, Roscoe J.	820-824 S. Clinton, Fort Wayne, Ind.	.5
9KG	Cornish, Clarence F.	1138 Packard Ave., Fort Wayne, Ind.	.5
9AM	Cough, Kendall.	2215 S. Royce St., Sioux City, Iowa	.5
9CN	Cobb, Merle A.	Geneva, Wis.	.5
9AEV	Coffman, Scott.	61 N. Gale St., Indianapolis, Ind.	1.0
9IF	Cole, Jirah D., jr.	810 Varnum Ave., Glenview, Ill.	.5
9AN	Cole, Jirah D., jr.	Community House, Lincoln St., Winnetka, Ill.	.5
9GV	Cole, James A.	3637 12th Ave., Minneapolis, Minn.	.5
	Community House	Winnetka, Ill. See Cole, Jirah D., jr. (9AN).	
9AJ	Cook, George S.	1932 Pennsylvania Ave., S., Minneapolis, Minn.	1.0
9SC	Cooper, Charles H.	2126 Elliott St., Indianapolis, Ind.	1.0
9NO	Coquette, Glenn E.	117 E. McCarty St., Woodstock, Ill.	.5
9ABD	Corwin, Willis.	117 E. McCarty St., Jefferson City, Mo.	.5
9AGG	Cottrell, Gorham J.	1628 Jersey St., Quincy, Ill.	.5
9UI	Cottrell, Irale T.	1229 St. Ann St., Owensboro, Ky.	1.0
9NF	Cottrell, William R.	Prairie City, Iowa.	.5
9OQ	Couttas, Charles.	950 Beach Ave., St. Louis, Mo.	1.0
9ABA	Craib, Thomas G.	5906 Cater Ave., St. Louis, Mo.	1.0
9HI	Craig, Richard A.	1807 N. Meridian St., Indianapolis, Ind.	.5
9NG	Cramer, Wilbur R.	5130 S. 40th St., Omaha, Nebr.	.5
9HL	Crawford, Robert N., jr.	3829 Vincennes Ave., Chicago, Ill.	1.0
9TE	Cronk, Seymour H.	Stafford, Kans.	.5
9HN	Crowds, James A.	5047 Washington Ave., St. Louis, Mo.	.5
9IX	Cummings, Murney.	258 S. W. Main St., Kenosha, Wis.	.5
9ACN	Curry, Wilfred N.	Sweet Springs, Mo.	.5
9CN	Curtis, Charles D.	Pembina, N. Dak.	1.0
9AIV	Curtis, David S., Jr.	2100 Elisha Ave., Zion City, Ill.	.5
9TO	Cyr, Darrell J.	109 W. 2d St., Sioux City, Iowa.	.5
9SF	Daugherty, Hugh D.	2335 Bellfontaine St., Indianapolis, Ind.	.5
	David Ranken, Jr., School of Mechanical Trades.	St. Louis, Mo. See under "T." The David Ranken, Jr., School of Mechanical Trades.	
9FS	Davidson, James.	509 Clarke St., Whiting, Ind.	.5
9AZ	Davidson, James.	6636 Normal Blvd., Chicago, Ill.	.5
9HM	Davis, Donald W.	21 E. Caramillo Ave., Colorado Springs, Colo.	1.0
9AGQ	Davis, Herbert.	6141 S. Kilbourne Ave., Chicago, Ill.	1.0
9EZ	Davis, Richard M.	1065 Yuma St., Denver, Colo.	1.0
9KZ	Davis, William R.	1409 W. Edwards St., Springfield, Ill.	.5
9AIV	Davis, Winfield.	908 W. Stoughton St., Urbana, Ill.	.5
9SO	Day, Harold E.	209 Gray St., Indianapolis, Ind.	.5
9NN	Deaf, Harmon B.	6 S. Fountain St., Cape Girardeau, Mo.	1.0
9EG	Dean, Carl W.	3115 N. Capitol Ave., Indianapolis, Ind.	1.0
9RH	Debus, George W.	1910 Sunny-side Ave., Chicago, Ill.	1.0
9ACT	Decker, Le Roy.	294 24th Ave., Milwaukee, Wis.	1.0
9DX	Deich, Dayton P.	Limon, Colo.	.5
9OW	DelVecchio, Earl.	3810 Alta Vista Ter., Chicago, Ill.	.5
9ABN	Deming, Herschel.	1515 Barth Ave., Indianapolis, Ind.	.5
9IW	Dennis, Eben R.	Hutchinson, Minn.	1.0
9FG	Dickson, Ward.	Carrollton, Ill.	.5
9UD	Diehl, Grant, jr.	609 27th St., Milwaukee, Wis.	.5
9MS	Dier, Stephen.	1305 Court St., Le Mars, Iowa.	1.0
9VS	Diffenderfer, Davis A.	2109 S. Harrison St., Fort Wayne, Ind.	1.0
9OA	Dille, Joseph.	1067 Ainslee St., Chicago, Ill.	1.0
9ACA	Doerfler, Hilary.	Collegeville, Minn.	.5
9AIV	Doole, Howard.	Adams, Nebr.	.5
9AHK	Drummond, Ralph.	Ogelsby, Ill.	.5
9ACG	Duncan, Wilbur H.	1199 W. Wood St., Decatur, Ill.	.5
9FE	Dunklau, George F.	4016 Congress St., Chicago, Ill.	.5
9AAP	Dunlap, Carroll M.	High School, Manchester, Iowa.	.5
9BC	Dunlap, Carroll M.	Manchester, Iowa.	.5
9AAO	Ebert, Arthur.	3220 Potomac Ave., Chicago, Ill.	1.0
9AEI	Ebner, Emil E., jr.	603 N. 10th St., Atchison, Kans.	.5
9DD	Ederer, Lothar A.	6347 Kenmore Ave., Chicago, Ill.	1.0
9UZ	Edwards, Austin N.	99 E. 4th St., Covington, Ky.	.5
9AEZ	Eglolf, Edward and Martin.	2729 W. Barry Ave., Chicago, Ill.	1.0
9IV	Ehling, Fritz M.	1438 E. 11th St., Indianapolis, Ind.	1.0
9FM	Eick, Ferdinand.	1818 19th St., Superior, Wis.	.5
9VR	Eilers, Weiner.	Gillespie, Ill.	1.0

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
9TD	Eisele, Edward J.	1324 Rutledge St., Madison, Wis.	1.0
9DU	Elliott, Bryon K.	1733 N. Meridian St., Indianapolis, Ind.	1.0
9BA	Elmore, Virtus R.	615 N. Madison St., Marion, Ill.	1.0
9AGZ	Engel, Roman.	664 48th St., Milwaukee, Wis.	.5
9AIQ	Englund, Lawrence.	1623 24th Ave., Moline, Ill.	.5
9UM	Erickson, Edward H.	627 W. Superior St., Fort Wayne, Ind.	.5
9ADC	Erickson, Einer A.	225 Lafayette Ave., Racine, Wis.	.5
9JB	Erikson, Eben W.	1108 Elm St., Winnetka, Ill.	.5
9VO	Estling, David A.	1619 S. 8th St., Minneapolis, Minn.	.5
9MZ	Evans, Walter C.	6632 Kimbark Ave., Chicago, Ill.	1.0
9GF	Eyth, Hector G.	2325 Arapahoe St., Denver, Colo.	.5
9DC	Fahrney, Clarence H.	Polo, Ill.	.5
9AIF	Fawcett, Lester S.	206 3d Ave., S. W., Independence, Iowa.	1.0
9FP	Fawkes, Charles E.	503 Hill St., Dubuque, Iowa.	.5
9ABT	Fedder, Herman.	1440 W. High St., Davenport, Iowa.	.5
9UE	Fels, Thomas W.	2105 John St., Fort Wayne, Ind.	1.0
9AGH	Fenner, Zell G.	23 E. Washington St., Colfax, Iowa.	1.0
9WN	Ferdinand, Harry P.	1315 School St., Rockford, Ill.	.5
9AIN	Ferguson, William B.	108 N. 17th St., Richmond, Ind.	.5
9AIO	Ferree, Frank H.	434 E. 9th St., Alton, Ill.	.5
9AGV	Fiedler, Herbert W.	1142 Diversey Parkway, Chicago, Ill.	1.0
9PI	Finchout, Fred.	1310 E. New York St., Indianapolis, Ind.	.5
9IQ	Finlay, William J.	525 Oakwood Ave., Webster Groves, Mo.	1.0
9OM	Finley, Cyrus P.	339 3d Ave., W., Cedar Rapids, Iowa.	.5
9EN	Fisher, Ralph D.	918 S. 7th St., Fargo, N. Dak.	1.0
9RI	Flesvig, Henry.	743 W. 26th St., Chicago, Ill.	.5
9BN	Flynn, John H., jr.	228 E. 5th St., Newport, Ky.	1.0
9KB	Forbes, Henry C.	3532 11th Ave., S., Minneapolis, Minn.	.5
9PK	Foster, Edwin J.	925 Winchester St., Milwaukee, Wis.	1.0
9TF	Fox, Laurence C.	231 Lincoln Ave., Crookston, Minn.	1.0
9AIW	Francis, Lyle.	Adams, Nebr.	.5
9ACR	Frank, George.	1727 W. 2d St., Davenport, Iowa.	.5
9ADA	Franklin, Maurice W.	Sewar, Nebr.	1.0
9EU	Frach, Lester.	336 E. Sutterfield St., Fort Wayne, Ind.	.5
9EK	French, Newell E.	1722 Maple St., Racine, Wis.	1.0
9ABS	Frenzel, Oscar F., jr.	1338 N. New Jersey St., Indianapolis, Ind.	.5
9DL	Friend, Earle M.	4915 Vincennes Ave., Chicago, Ill.	.5
9OY	Fritz, Jack A. S.	2211 Salisbury St., St. Louis, Mo.	.5
9TG	Fruit, Lester.	743 Lawndale Ave., South Bend, Ind.	1.0
9AIX	Gabbert, Oscar F., jr.	911 Kentucky St., Michigan City, Ind.	.5
9QX	Galpin, John K.	2132 Broadway, Indianapolis, Ind.	.5
9AGE	Gamble, Glen A.	4329 Brudette St., Omaha, Nebr.	1.0
9SW	Gammon, Frank E.	811 18th St., Ashland, Ky.	1.0
9AES	Garrett, Hallie C.	810 E. 40th St., Kansas City, Mo.	1.0
9WO	Garrett, Sherman S.	504 W. Washington St., Champaign, Ill.	1.0
9AEB	Garver, Norman D.	210 4th Ave., Peoria, Ill.	.5
9NV	Gates, Arthur R.	613 Arsenal St., St. Louis, Mo.	.5
9AHA	Gates, George B.	942 Superior St., Racine, Wis.	.5
9VN	Geiger, Hans F.	3151 Graceland Ave., Indianapolis, Ind.	.5
9OK	Gerkey, Lewis K.	403 Lexington St., Independence, Mo.	1.0
9MK	Giddings, Edward H.	Lanark, Ill.	.5
9WD	Giese, Raymond C.	New London, Iowa.	1.0
9JU	Gisseler, Herman.	2828 Fletcher St., Chicago, Ill.	.5
9JN	Glasgow, Roy S.	3966 Arsenal St., St. Louis, Mo.	1.0
9AHT	Glavin, Roland E.	748 Lawndale Ave., South Bend, Ind.	1.0
9NM	Glavin, Roland E.	High School, South Bend, Ind.	.5
9HT	Gleichman, Walter C.	2006 Fulton Ave., Evansville, Ind.	.5
9BZ	Goddard, C.	Shawnee, Kans.	.5
9ACS	Gooch, Bertram.	703 Marion St., Boone, Iowa.	1.0
9JS	Goodnetter, Elmore F.	1500 Grand Ave., Racine, Wis.	.5
9AS	Goodnow, Frank E.	310 Van Buren St., Joliet, Ill.	1.0
9KF	Goorisich, John A.	2316 Clybourn St., Chicago, Ill.	.5
9PS	Gosha, Donald.	Blooming Prairie, Minn.	.5
9RP	Graf, Rudolph.	1061 Mulberry St., Rockford, Ill.	1.0
9VL	Grafe, Harold.	2825 Irving Pk. Blvd., Chicago, Ill.	.5
9MQ	Graham, Albert I.	3033 Park Ave., Kansas City, Mo.	1.0
9FT	Graves, G. G.	117 South St., Woodstock, Ill.	1.0
9UK	Graybill, Donald R.	Polo, Ind.	1.0
9IC	Greenleaf, Sydnie A.	708 Clay St., Woodstock, Ill.	.5
9LY	Greene, Clark W.	1113 Park Row, Lake Geneva, Wis.	.5
9ACD	Greene, John.	Prairie du Chien, Wis.	.5
9PQ	Greenleaf, Burton B.	34 Walnut St., Savanna, Ill.	.5
9ADB	Greenwood, George W., jr.	1321 Western Ave., Topeka, Kans.	.5
9JX	Griffiths, Robert E.	4704 Fulton St., Chicago, Ill.	.5
9TQ	Griggs, Fred W.	441 Tacoma Ave., Indianapolis, Ind.	.5
9AB	Groskopf, William L.	4816 W. Berteau Ave., Chicago, Ill.	.5
9VX	Grossman, Eugene F.	Delmar, Iowa.	1.0

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
9CH	Grosscup, Harry W.	3746 Giddings St., Chicago, Ill.	0.5
9AGO	Groth, William A.	1534 W. Locust St., Davenport, Iowa	.5
9TU	Gruda, Edgar	329 25th Ave., Milwaukee, Wis.	.5
9AJE	Gunderson, Clarence	1006 St. John St., Albert Lea, Minn.	.5
9PX	Gustafson, C. Hjalmar	630 Wallis Ave., Rockford, Ill.	1.0
9JO	Gustafson, Gerald	214 Crawford St., Boone, Iowa	.5
9RM	Guthrie, Edwin P.	2352 Bellefontaine St., Indianapolis, Ind.	.5
9HF	Hadley, J.	216 Kedzie St., Evanston, Ill.	1.0
9DF	Hagedorn, Gilbert H.	357 N. Pleasant St., Kenosha, Wis.	.5
9ACU	Hageman, Edwin S.	Ellsworth, Wis.	.5
9MY	Haines, Thorvald L.	842 Main St., Racine, Wis.	.5
9AEU	Haitz, Fred, jr.	3901 Fourth Ave., Sioux City, Iowa	.5
9AFO	Hall, Alfred H.	4015 Alcott St., Denver, Colo.	1.0
9CF	Hall, Harlan R.	23 Merriam Pl., St. Paul, Minn.	.5
9AV	Hamel, Walter H.	1006 S. 14th St., Lafayette, Ind.	.5
9UT	Hamilton, Leo L.	207 Front St., Harvard, Ill.	1.0
9TJ	Hancock, George T.	R. F. D. No. 1, Fairfield, Nebr.	1.0
9PB	Hancock, Leverne	1209 13th St., Superior, Wis.	.5
9CE	Hansen, Leland H.	1123 Herrick Ave., Racine, Wis.	.5
9AHE	Harlin, Paige J.	3704 S. Bryant Ave., Minneapolis, Minn.	.5
9RF	Harmegnies, Paul E.	730 Wisconsin Ave., Oak Park, Ill.	.5
9AAV	Harris, Frank M., jr.	920 N. Harrison St., Topeka, Kans.	.5
9AFO	Harris, Harvey P.	920 Burns St., Alton, Ill.	.5
9IZ	Harris, Ralph G.	Gilman, Ill.	.5
9JK	Harrison, Major P., jr.	118 E. Pratt St., Indianapolis, Ind.	1.0
9CJ	Harry, Charles	Quincy and Douglas Sts., Houghton, Mich.	1.0
9ADT	Hartmann, Gilbert and Martin.	210 State St., Wauwatosa, Wis.	.5
9KY	Hartwell, Eugene H.	R. F. D. No. 28, Sale, Wis.	.5
9FL	Hauck, George	218 Chestnut St., Newport, Ky.	1.0
9UV	Hayes, James E. S.	220 W. 4th St., Duluth, Minn.	.5
9CX	Haynes, Roy	6939 S. May St., Chicago, Ill.	1.0
9DY	Healy, Kent T.	849 Willow St., Winnetka, Ill.	.5
9BF	Heck, Lawrence F.	1239 Center St., Itasca, Wis.	.5
9FR	Heckenkamp, Emile B.	300 E. St., Belleville, Ill.	1.0
9ADQ	Hect, Royal H.	1523 Estes Ave., Chicago, Ill.	1.0
9UO	Hege, Adolph	Hatton, N. Dak.	.5
9CR	Hejae, Paul A.	841 Wilson Ave., Chicago, Ill.	1.0
9CW	Heise, Elmer B.	5131 Franklin St., Michigan City, Ind.	.5
9LI	Heiser, Walter C.	35 E. 33d St., Indianapolis, Ind.	.5
9FL	Hellwig, Emil C.	1729 Sunnyside Ave., Burlington, Iowa	.5
9KL	Helm, Elvin E.	Petersburg, Ky.	.5
9KK	Hendricks, George H.	1410 Barth Ave., Indianapolis, Ind.	1.0
9FO	Henry, Albert I.	Bennington, Kans.	.5
9AGG	Herrling, Raymond C.	856 Prospect St., Elgin, Ill.	.5
9EL	Herrmann, Louis G.	1330 Anthony Blvd., Fort Wayne, Ind.	.5
9EQ	Hesly, Daniel	1244 Carmon Ave., Chicago, Ill.	.5
9MC	Hess, Merriman	832 Forest Ave., Wilmette, Ill.	.5
9ADW	Hicks, Verner	306 E. Marion, Ill.	1.0
9DG	Hilgenberg, Noble C.	1428 Park Ave., Indianapolis, Ind.	.5
9VV	Hoffman, Erich A.	819 Laramie St., Atchison, Kans.	1.0
9SR	Hogan, Lee	458 11th Ave., Milwaukee, Wis.	.5
9BP	Holcombe, Ray E.	22 Dayton St., Madison, Wis.	.5
9EII	Hollister, Harold A.	370 18th Ave., Milwaukee, Wis.	.5
9OI	Holte, Harold O.	220 Broadway, Crookston, Minn.	1.0
9ABI	Honecker, Walter	3106 Graceland Ave., Indianapolis, Ind.	.5
9QE	Hopkins, Stanley W.	520 Greenleaf Ave., Glencoe, Ill.	.5
9QJ	Hood, Kuper, jr.	206 Sterrett Ave., Covington, Ky.	1.0
9JG	Hood, Norman R.	1108 Franklin St., Burlington, Iowa	.5
9QS	Hood, Thomas	124 E. 32d St., Indianapolis, Ind.	1.0
9AFJ	Hornbeck, Holton	150 E. Green St., Decatur, Ill.	.5
9AIL	Howard, Charles B.	1712 E. Jackson St., Springfield, Ill.	.5
9LW	Howard, Clyde M.	Buffalo, Ill.	1.0
9AFE	Howard, John C.	311 S. State St., Champaign, Ill.	1.0
9VG	Howard, L. Hardeman	112 West St., Fulton, Ky.	.5
9PT	Howland, H. N.	Stony Isl. Ave., and 62d St., Chicago, Ill.	1.0
9FA	Huckett, Edwin W.	402 N. Oakley St., Kansas City, Mo.	.5
9AET	Huff, Fred W.	4328 Tracy Ave., Kansas City, Mo.	1.0
9MO	Huffman, Verne A.	218 Jackson St., Polo, Ill.	.5
9RV	Huffman, Charles	131 W. Calendar Ave., La Grange, Ill.	.5
9AIP	Hunt, Clayton S.	R. F. D. No. 2, Urbana, Ill.	.5
9ADG	Hughes, Arthur S.	7390 Maple Ave., Maplewood, Mo.	1.0
9MV	Hughes, James C.	418 Taylor St., Topeka, Kans.	1.0
9MJ	Hussner, Helm C.	968 Drew St., Appleton, Wis.	1.0
9PT	Hyde Park High School Radio Club.	Stony Isl. Ave. and 62d St., Chicago, Ill.	1.0

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
9GZ	Dhl, G. Sheridan.....	3834 N. 25th St., St. Louis, Mo.....	0.5
9DA	Irvin, John A.....	Cannelton, Ind.....	1.0
9AU	Iversen, Reginald J.....	422 S. 16th Ave., Maywood, Ill.....	1.0
9NY	Ivy, John S.....	Cape Girardeau, Mo.....	.5
9ADF	Jarboe, Owen.....	109 Locust St., Carrollton, Ill.....	1.0
9AFA	Jarozewicz, Casimir.....	1330 W. 50th St., Chicago, Ill.....	.5
9ACM	Jeffrey, Albert E.....	High School, Goshen, Ind.....	1.0
9DE	Jensen, Arnold N.....	336 High School Ave., Council Bluffs, Iowa.....	.5
9TK	Jensen, Louis T.....	1217 Center St., Racine, Wis.....	1.0
9QR	Jewett, Gerald A.....	2105 High St., Des Moines, Iowa.....	.5
9AL	Johnson, Arthur F.....	2706 Mersington Ave., Kansas City, Mo.....	1.0
9CI	Johnson, August R.....	Houghton, Mich.....	.5
9OC	Johnson, Lorin F.....	R. F. D. No. 7, Columbia, Mo.....	.5
9QU	Johnson, Paul E.....	2800 E. 26th St., Minneapolis, Minn.....	.5
9CG	Johnson, Ralph J.....	628 Marion Ave., Indianapolis, Ind.....	.5
9CV	Johnston, Roderick E.....	Boulder, Colo.....	.5
9AIK	Jordan, Jacob.....	Jefferson High School, Lafayette, Ind.....	1.0
9BS	Jorgenson, Harold.....	941 Herrick Ave., Racine, Wis.....	.5
9JD	Jorgenson, O. B.....	1619 Hughitt Ave., Superior, Wis.....	.5
9KO	Joseph, Jarold S.....	465 Park Ave., Council Bluffs, Iowa.....	.5
9ADV	Joslin, Murray.....	Independence, Iowa.....	1.0
9AK	Jumisko, Harold W.....	241 Wolverine St., Laurium, Mich.....	.5
9DR	Juvenal, James B.....	345 Washington Blvd., Kansas City, Kans.....	.5
9WC	Kannenstine, Fabian M.....	3400 Morgan St., St. Louis, Mo.....	1.0
9AJG	Kansier, Victor H.....	445 3d St., Reedsburg, Wis.....	.5
9AI	Kaufmann, Elmer.....	928 Wright St., Milwaukee, Wis.....	.5
9BD	Keeler, Fayette W.....	634 W. 4th St., Superior, Wis.....	1.0
9LF	Keenan, Charles J.....	6425 Parnell Ave., Chicago, Ill.....	.5
9QB	Kees, Rossman W.....	1742 N. Park Ave., Chicago, Ill.....	.5
9HY	Keffer, Allen W.....	Ashland, Ky.....	.5
9ADE	Keller, Carl E.....	Kinsley, Kans.....	.5
9JL	Keller, Stanley L.....	602 25th St., Kearney, Nebr.....	1.0
9WI	Kelley, Eugene V.....	1311 W. Maple Ave., Independence, Mo.....	.5
9WT	Kelley, Edward L.....	551 Parkside Ave., Chicago, Ill.....	.5
9AAT	Kenyon, Vernon N.....	Dunwoody School, Minneapolis, Minn.....	1.0
9GY	Kern, L. Armstrong.....	3208 Western Ave., Mattoon, Ill.....	1.0
9HC	Kerney, Iden M.....	725 6th Ave., Council Bluffs, Iowa.....	.5
9AH	Kihlstrom, Harry C.....	7348 Lafayette Ave., Chicago, Ill.....	.5
9ME	Kimmel, Maurice E.....	203 E. South St., DuQuoin, Ill.....	1.0
9ABM	Kingsland, Le Roy.....	2326 Clarence Ave., St. Louis, Mo.....	.5
9AP	Kingsley, Raymond C.....	1445 W. State St., Rockford, Ill.....	.5
9HG	Kistner, Joseph.....	222 E. Southgate St., Newport, Ky.....	.5
9CM	Klicpera, Milhart F.....	1705 Douglas Ave., Racine, Wis.....	.5
9RB	Kluge, Arno A.....	Ravenna, Nebr.....	.5
9AGM	Knodle, Almon S.....	1942 Talbot Ave., Indianapolis, Ind.....	.5
9LU	Knouf, Ralph.....	1344 21st St., Des Moines, Iowa.....	.5
9AAK	Knowles, Ivar A.....	523 Merchant St., Eflingham, Ill.....	.5
9IB	Koch, Emerson L.....	3032 E. Michigan St., Indianapolis, Ind.....	.5
9UG	Koenig, William, jr.....	3141 Osage St., St. Louis, Mo.....	.5
9OD	Kohl, William.....	606 St. Clair Ave., Sheboygan, Wis.....	.5
9SG	Komm, Paul M.....	1116 Wolfram St., Chicago, Ill.....	1.0
9PA	Korthals, Albert.....	1607 N. 13th St., Sheboygan, Wis.....	.5
9HO	Kossow, Erwin.....	760 32d St., Milwaukee, Wis.....	.5
9WX	Kramer, Andrew W.....	7724 Lowe Ave., Chicago, Ill.....	1.0
9KE	Kranzfelder, Leonard J.....	Bayfield, Wis.....	1.0
9TC	Krause, Charles H.....	4419 Forest Park Blvd., St. Louis, Mo.....	.5
9NI	Krug, Eugene C.....	2249 St. Louis Ave., St. Louis, Mo.....	.5
9AFD	Krus, Carl.....	4652 N. Hermitage Ave., Chicago, Ill.....	.5
9LQ	Kruse, Schiller.....	1538 Kentucky St., Lawrence, Kans.....	.5
9AJI	Kuhl, S. Harris.....	2508 N. Spaulding Ave., Chicago, Ill.....	.5
9FU	La Duke, Earl R.....	1100 S. Josephine St., Denver, Colo.....	1.0
9PR	Laidlaw, Robert F.....	5217 Glenwood Ave., Chicago, Ill.....	1.0
9TZ	Lamb, Rea M.....	119 Milwaukee Ave., Kenosha, Wis.....	.5
9AEC	Landon, Edward B.....	3860 Oceola St., Denver, Colo.....	.5
9PG	Langen, George R.....	517 N. 3d St., Fargo, N. Dak.....	1.0
9KT	La Plant, G. L.....	St. Anthony, Iowa.....	1.0
9AED	Larsen, Clifford N.....	504 Spring St., Elgin, Ill.....	.5
9QA	Larson, Lee H.....	2020 Telegraph Rd., Davenport, Iowa.....	.5
9TX	La Rue, Harold.....	633 Park Ave. W., Waterloo, Iowa.....	.5
9PV	Laube, Herbert L.....	315 Grace St., Dubuque, Iowa.....	.5
9LN	Laughlin, Dale.....	2225 Douglass St., Sioux City, Iowa.....	.5
9GJ	Lavender, Edwin N.....	7363 Maple Blvd., Maplewood, Mo.....	1.0
	Lawrence High School. See Riggs, H. C.	Lawrence, Kans.....	
9VT	Lawrence, Harley C.....	Ferryville, Wis.....	.5

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
9FD	Lawson, Parrcyn R.	838 Eugene St., Indianapolis, Ind.	0.5
9LX	Leberman, Palmer K.	Upper Falls Rd., Sheboygan, Wis.	.5
9EC	Laho, Robert B.	1306 Main St., Richmond, Ind.	1.0
9KC	Lee, David R.	933 Galt Ave., Chicago, Ill.	1.0
9NQ	Leininger, Clarence W.	2119 N. Tripp Ave., Chicago, Ill.	.5
9RO	Lethen, Edward	4312 Greenview Ave., Chicago, Ill.	.5
9ADM	Le Vine, George L.	801 W. 7th St., Des Moines, Iowa.	.5
9AAQ	Lewis, Hubert.	5100 Easton Ave., St. Louis, Mo.	1.0
9JC	Lewis, W. Turner, jr.	1500 Main St., Racine, Wis.	1.0
9AII	Lipe, Corodon C.	1243 W. Wood St., Decatur, Ill.	.5
9AO	Lipman, Theodore E. I.	136 W. Grand Ave., Beloit, Wis.	1.0
9LE	Lisle, Waldo E.	6612 Lowe Ave., Chicago, Ill.	.5
9TH	Liston, Earl	774 S. Grant St., Denver, Colo.	.5
9VE	Littmann, Edwin R.	5038 Maple Ave., St. Louis, Mo.	.5
9IJ	Lloyd, Norman W.	2658 W. 39th Pl., Chicago, Ill.	1.0
9GK	Lobas, John W.	635 31st St., Milwaukee, Wis.	1.0
9DV	Locher, Leo	Monticello, Iowa.	1.0
9QF	Lockwood, Charles E.	1323 W. 7th St., Waterloo, Iowa.	1.0
9AID	Lockhart, Ashton	Casselton, N. Dak.	.5
9IN	Locke, Mel in W.	Independence, Iowa.	1.0
9AX	Loosen, Irving R.	2609 Olive St., Kansas City, Mo.	1.0
9UC	Loveless, Harry L.	137 Griffin Ave., Somerset, Ky.	1.0
9SI	Lowe, Meredith B.	2347 N. Delaware St., Indianapolis, Ind.	1.0
9BX	Lutz, Clarence W. A.	438 S. Quincy Ave., Kansas City, Mo.	.5
9AIM	Mackley, Harry A.	420 Dechman Ave., Peoria, Ill.	1.0
9ADK	MacMillan, Charles W.	635 Vine St., Denver, Colo.	.5
9RN	Malbucher, Fred J.	2623 Indianapolis Ave., Indianapolis, Ind.	.5
9GP	Mallarian, Gregory	301 S. 13th St., Fargo, N. Dak.	1.0
9DW	Malott, Alfred F.	945 W. 30th St., Indianapolis, Ind.	.5
9QP	Mann, Harold L.	1120 Smith St., Burlington, Iowa.	.5
9KA	Markowski, Edward T.	1468 N. Ashland Ave., Chicago, Ill.	1.0
9AHD	Mase, Harold E.	3335 Hennepin Ave., Minneapolis, Minn.	.5
9AER	Marshall, George.	2045 S. Lawrence Ave., Wichita, Kans.	.5
9AG	Martens, Hugo.	2015 Gaines St., Davenport, Iowa.	.5
9LZ	Mason, Francis M., jr.	9 N. Chicago St., Rossville, Ill.	.5
9VQ	Mason, Leroy E.	Alden, Minn.	.5
9RT	Masters, Raymond	2406 Wabash Ave., Kansas City, Mo.	.5
9RE	Mathauser, James J.	1943 W. Garfield Blvd., Chicago, Ill.	.5
9IK	Mathews, Ralph H. G.	1316 Carmen Ave., Chicago, Ill.	1.0
9KK	Mathias, Russell E.	2509 Bellefontaine St., Indianapolis, Ind.	.5
9AAZ	Mathiasen, Carl A.	Onawa, Iowa.	.5
9AAJ	Mathison, Michael C.	Glen Ellyn, Ill.	.5
9AEY	Matzinger, Philip F.	1956 W. 94th St., Chicago, Ill.	.5
9CO	Maupin, Ross T.	2136 Indiana St., Kansas City, Mo.	.5
9PJ	Maxfield, David C.	Le Roy, Minn.	1.0
9SP	Maxson, Rolland and Charles S.	Milton, Wis.	1.0
9UH	May, De Witt W.	3021 Hoagland Ave., Ft. Wayne, Ind.	.5
9PO	May, Howard L.	Buckingham Annex, St. Louis, Mo.	.5
9MN	Maynard, P. Ness.	208 W. 7th St., Boone, Iowa.	1.0
9BO	McBride, Ralph M.	Tabor, Iowa.	.5
9RR	McCall, John A.	Crystal Lake, Ill.	.5
9RG	McCartney, Hugh S.	227 E. Jefferson St., Washington, Iowa.	1.0
9MD	McClintock, William S., jr.	1257 Topeka Ave., Topeka, Kans.	.5
9RJ	McCoy, James B.	3026 N. New Jersey St., Indianapolis, Ind.	1.0
9AIR	McCune, George H.	1445 N. Edward St., Decatur, Ill.	.5
9ADZ	McDonald, Edgar J.	5526 Lakewood Ave., Chicago, Ill.	.5
9AE	McGee, Paul J.	2609 Bellefontaine St., Mattoon, Ill.	.5
9AC	McGuffage, William J.	4418 Wabash Ave., Chicago, Ill.	1.0
9RY	McGuire, Donald D.	Public School Bldg., Aurora, Ill.	1.0
9GE	McKee, Myron J.	2213 N. New Jersey St., Indianapolis, Ind.	.5
9OT	McKee, Charles R.	203 N. 2d St., Atchison, Kans.	1.0
9WP	McKee, er, Thomas.	1703 W. 10th Pl., Chicago, Ill.	.5
9ER	McLoad, Kenneth	1717 S. Jefferson Ave., St. Louis, Mo.	1.0
9EO	McNeill, Malcom R.	1310 Maple Ave., Evanston, Ill.	.5
9ACK	McQuilkin, Joseph R.	1815 N. 6th St., Sheboygan, Wis.	.5
9KG	Melcher, John M.	Wautoma, Wis.	.5
9ADD	Meldrum, George E.	Carrollton, Ill.	.5
9VV	Messerly, Henry	Staunton, Ill.	1.0
9AGK	Messing, Marvin M.	27 Shaffer St., Freeport, Ill.	.5
9QZ	Meyer, Otto.	1109 St. Clair Ave., East St. Louis, Mo.	1.0
9RS	Meyer, Walter A.	1832 N. 13th St., Sheboygan, Wis.	.5
9MC	Michaels, John J.	1352 Komensky St., Chicago, Ill.	.5
9AIZ	Miller, Carmi E.	217-219 E. St. Paul St., Spring Valley, Ill.	.5
9AEM	Miller, Charles, jr.	2856 N. Racine Ave., Chicago, Ill.	.5
9AEK	Miller, F. Leslie.	4625 N. Hermitage Ave., Chicago, Ill.	1.0

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
9JR	Miller, Harry F.	1024 E. 14th St., Davenport, Iowa.	Kw. 1.0
9KR	Miller, John F.	670 Rush St., Chicago, Ill.	1.0
9VJ	Miller, Leland	Osceola, Ind.	.5
9FH	Millspaugh, Charles H., jr.	317 S. Franklin St., Decatur, Ill.	.5
9TN	Mirgeler, Robert J.	2815 Clyburn St., Milwaukee, Wis.	.5
9CD	Moen, Vere M.	661 Grand Ave., St. Paul, Minn.	.5
9AAV	Mole, Harry H.	2853 Fowler Ave., Omaha, Nebr.	.5
9MH	Moore, William M.	3102 N. Capitol Ave., Indianapolis, Ind.	.5
9FW	Moreland, Henry F.	1009 Washington Ave., Cairo, Ill.	1.0
9CS	Morgan, Berwyn E.	506 E. Cherry St., Watska, Ill.	.5
9MV	Morrison, Francis S.	1376 S. Lincoln St., Denver, Colo.	.5
9TI	Morshhead, John S.	Culver, Ind.	.5
9AIH	Morton, Charles E.	520 Schwartz St., Edwardsville, Ill.	.5
9AJD	Morton, Clyde E.	341 S. Lawn Ave., Kansas City, Mo.	1.0
9NK	Moss, Frank K.	1021 S. York St., Denver, Colo.	.5
9EE	Mueller, Clarence.	2421 N. Sawyer Ave., Chicago, Ill.	.5
9BJ	Munchhof, Leo G.	2046 N. New Jersey St., Indianapolis, Ind.	.5
9BE	Myers, Delbert.	Amboy, Ind.	1.0
9ABU	Myers, Wilford U.	209 N. 3d St., Charleston, Mo.	.5
9BB	Nattenheimer, Ervin B.	559 Lexington Ave., Newport, Ky.	.5
9AAH	Neidlinger, Laurence C.	3322 Northwestern Ave., Indianapolis, Ind.	.5
9BH	Neitz, Paul I.	137 Brainerd St., Naperville, Ill.	1.0
9IP	Nell, Edward, jr.	2023 Talbot St., Indianapolis, Ind.	.5
9AJ	Nell, Raymond B.	Clinton, Iowa.	.5
9RQ	Nelson, Carl H.	723 N. 1st St., Fargo, N. Dak.	.5
9AHI	Nelson, G. Adolph.	5518 W. 8th St., Duluth, Minn.	.5
9ADJ	Nelson, Lee M.	Seward, Nebr.	1.0
9AEW	Nelson, M. E.	731 3d St. N., Fargo, N. Dak.	.5
9QG	Nestlerode, Boyd W.	701 Pierce St., Sioux City, Iowa.	1.0
9MT	Neumann, Clarence F.	1523 S. Ogden St., Denver, Colo.	.5
9UJ	Neumann, Adelbert G.	1616 Wells St., Milwaukee, Wis.	.5
9AFG	Nevling, Lorin I.	4210 Maffitt Ave., St. Louis, Mo.	.5
9TL	Newhall, Elwood L.	2181 Madison Ave., Covington, Ky.	.5
9AAL	Newlin, Myron	2712 Indianapolis Ave., Indianapolis, Ind.	.5
9AW	Niswonger, Elbert E.	R. F. D. No. 8, Fort Wayne, Ind.	.5
9WB	Nolan, Guy P.	506 Ewing Ave., Kansas City, Mo.	.5
9SJ	Nolte, Edward F.	4955-A Terry Ave., St. Louis, Mo.	.5
9CA	Norene, Raymond E.	2425 A Avenue A, Council Bluffs, Iowa.	.5
9RK	Norviel, Herbert D.	521 Jackson St., Anderson, Ind.	.5
9MG	Novak, Joe J.	4031 S. Campbell Ave., Chicago, Ill.	.5
9CN	Oberholtz, Edwin F.	935 W. 33d Ter., Kansas City, Mo.	1.0
9AF	O'Connell, John B.	6218 Ellis Ave., Chicago, Ill.	.5
9EG	O'Donnell, Wert	1222 W. 30th St., Indianapolis, Ind.	1.0
9FK	Oetjen, Richard J.	Williams Bay, Wis.	.5
9FS	Olmsted, Randolph F.	517 S. 4th St., Grand Forks, N. Dak.	.5
9AEL	Olsen, Clarence J. M.	349 St. John's Court, Chicago, Ill.	1.0
9IV	Olsen, Winnard G.	1454 Pensacola Ave., Chicago, Ill.	1.0
9DK	O'Neil, Donald H. C.	5740 Bartmer Ave., St. Louis, Mo.	.5
9AAF	Oonk, William J. C.	2232-A Red Bud Ave., St. Louis, Mo.	.5
9TT	Ort, Henry M.	3934 Montrose Ave., Chicago, Ill.	.5
9TV	Ostermeier, Cecil H.	529 W. Jefferson St., Springfield, Ill.	.5
9UB	Osting, Raymond	2135 S. New Jersey St., Indianapolis, Ind.	.5
9AHS	Ovrebø, Paul.	Aneta, N. Dak.	.5
9UP	Patzold, William H.	4202 Farlin Ave., St. Louis, Mo.	.5
9WG	Parks, Paul B.	339 Ashland Ave., River Forest, Ill.	.5
9TA	Parnin, Ross.	1239 W. Berry St., Ft. Wayne, Ind.	1.0
9WS	Patterson, Coy V.	3528 Windsor Ave., Kansas City, Mo.	.5
9DB	Faust, Lawrence R.	304 E. North St., Whitewater, Wis.	1.0
9AHG	Fayne, Howard	1201 N. 27th St., Omaha, Nebr.	.5
9FB	Fearce, William W., jr.	538 Steele Court, Waukegan, Ill.	.5
9AAN	Fecha, J. D.	231 S. Avers Ave., Chicago, Ill.	.5
9PW	Peck, Earle M.	204 N. State St., Elgin, Ill.	1.0
9OH	Pentland, Robert L.	5225 Woodlawn Ave., Chicago, Ill.	.5
9LO	Perkins, Albert.	3946 The Paseo, Kansas City, Mo.	1.0
9BL	Perl, Raymond H.	2533 N. Richmond St., Chicago, Ill.	1.0
9NU	Perry, William N.	825 Lake Ave., Racine, Wis.	.5
9KI	Petersen, Howard E.	1424 E. 70th St., Chicago, Ill.	1.0
9QO	Petersen, Walter	4607-A Natural Bridge Ave., St. Louis, Mo.	.5
9HW	Peterson, Oscar W.	705 W. Bancroft Ave., Fergus Falls, Minn.	1.0
9ABW	Pfeiler, Lawrence.	1810 N. 5th St., Sheboygan, Wis.	1.0
9ACW	Pfister, Walter	516 Erie Ave., Sheboygan, Wis.	.5
9NX	Phillips, Clyde W.	1032 Benton St., Rockford, Ill.	1.0
9NC	Phillips, H. G.	240 Sheridan Rd., Hubbard Woods, Ill.	1.0
9AFR	Phillips, Claude B.	Lucca, N. Dak.	.5
9OZ	Phillips, H. Leroy.	1342 11th St., Des Moines, Iowa.	.5
9MM	Pickett, Chester H.	223 Maple Ave., Waukesha, Wis.	.5

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
9EV	Piersol, Myron D.	4546 N. Seeley Ave., Chicago, Ill.	1.0
9CC	Pierson, Martin	Williams Bay, Wis.	.5
9PY	Pierson, Stuart W.	214 Maple Ave., Carrollton, Mo.	.5
9HU	Pilgram, George W. and John	710 S. 19th St., St. Joseph, Mo.	.5
9OL	Plank, George A., jr.	101 N. Pleasant St., Independence, Mo.	1.0
9LL	Plummer, Evans E.	2444 N. Alabama St., Indianapolis, Ind.	.5
9GT	Pollard, Lynn	929 W. Governor St., Springfield, Ill.	.5
9TY	Pope, Franklin R.	675 Greenwood Ave., Glencoe, Ill.	1.0
9AD	Porwancher, Samuel	402 N. 61st St., Chicago, Ill.	.5
9UR	Powers, Milton A.	602 Cudahy Ave., Cudahy, Wis.	1.0
9HD	Prahl, Louis	463 10th Ave., Milwaukee, Wis.	1.0
9AHN	Principia School	St. Louis, Mo.	1.0
9FM	Preuss, Arthur C.	212 E. 9th St., Newport, Ky.	.5
9NB	Price, Gerald	4402 Greenwood Ave., Chicago, Ill.	.5
9JM	Putz, Anton E.	703 25th St., Milwaukee, Wis.	.5
9OU	Pye, Harold	935 N. Trumbull Ave., Chicago, Ill.	1.0
9CS	Ragan, Tate V.	523 Garfield Ave., Kansas City, Mo.	.5
9PH	Ranson, Richard R.	626 W. Macon St., Decatur, Ill.	1.0
9KD	Rathert, Will P.	316 W. 5th Ave., Cresco, Iowa.	1.0
9SB	Rawson, A. Cummins	2500 Grand Ave., Des Moines, Iowa.	.5
9GC	Read, Harry	728 Chestnut St., Grand Forks, N. Dak.	.5
9IG	Reeder, Vera K.	2705 Highland Pl., Indianapolis, Ind.	1.0
9AGJ	Rees, John C.	1314 Cedar St., Le Mars, Iowa.	.5
9FO	Rehm, Ralph E.	1102 N. 3d St., Kansas City, Kans.	.5
9LA	Reichenecker, Frank N.	543 Everett Ave., Kansas City, Kans.	.5
9BW	Reinhardt, William	3312 Larimore St., Omaha, Nebr.	1.0
9WH	Reynolds, William D., jr.	3811 S. 10th Ave., Minneapolis, Minn.	1.0
9BEQ	Rhea, Robin E.	Indianola Rd., Des Moines, Iowa.	1.0
9AEQ	Richards, John	2508 Ames Ave., Omaha, Nebr.	.5
9OV	Richardson, David W.	5711 Blackstone Ave., Chicago, Ill.	.5
9VW	Riedy, Walter L.	237 South St., Houghton, Mich.	.5
9GR	Riggs, H. C.	845 Kentucky St., Lawrence, Kans.	.5
9NE	Riley, Wilson M.	4424 St. John St., Kansas City, Mo.	1.0
9NS	Ritter, William H.	2748 N. 22d St., Kansas City, Kans.	.5
9ND	Roberts, Mason C.	1130 Wisconsin St., Racine, Wis.	1.0
9GW	Rock, Burnham S.	5921 Winthrop Ave., Chicago, Ill.	1.0
9ADX	Roe, Vancil V.	Pillsbury Academy, Owatonna, Minn.	1.0
9MR	Roth, Henry, jr.	Polo, Ill.	.5
9ST	Roth, John	1827 John Ave., Superior, Wis.	.5
9AT	Rueschau, Harry R.	3748 Clifton Ave., Chicago, Ill.	1.0
9ADI	Rufsvold, Arnold S.	3216 16th Ave. S., Minneapolis, Minn.	.5
9AAE	Russell, Wolfert D.	5701 Clemens Ave., St. Louis, Mo.	.5
9OS	Rutt, Burnice L.	Casey, Iowa.	.5
9SV	Ruzek, Oscar E.	Flat Rock, Mich.	.5
9FI	Salisbury, Hubbard H.	1703 Banks Ave., Superior, Wis.	.5
9RL	Saltmarsh, Eugene P.	1215 Newman St., Indianapolis, Ind.	1.0
9OP	Sandifer, Robert P.	325 N. Atchison St., El Dorado, Kans.	.5
9KV	Sauer, August	809 N. Temple Ave., Indianapolis, Ind.	.5
9DT	Schaf, J. Charles, jr.	1410 N. Delaware St., Indianapolis, Ind.	1.0
9AHO	Schalkhausser, Erich G.	Sterling, Nebr.	.5
9MX	Schiller, Roy	1216 Hammond Ave., Superior, Wis.	1.0
9AEF	Schlegel, Alfred	222 S. Francis St., South Bend, Ind.	1.0
9LM	Schowalter, Elmer R.	Moundredge, Kans.	1.0
9SE	Schmidt, Otto G.	4310 Emmet St., Omaha, Nebr.	1.0
9AJN	Schoenwolf, Fred L. H.	1917 Warner Ave., Chicago, Ill.	.5
9SS	Schrage, Charles T.	517 Washington Court, Sheboygan, Wis.	1.0
9IR	Schricker, J. Raymond	R. F. D. No. 6, Rockingham, Iowa.	.5
9JZ	Schubert, Clarence K. F.	932 Spaight St., Madison, Wis.	.5
9FC	Schulte, Herman	Oregon, Mo.	1.0
9AAW	Schulze, A. N.	2864 Ames Ave., Omaha, Nebr.	.5
9KX	Scott, M. Vernon	2128 Bellefontaine St., Indianapolis, Ind.	.5
9BY	Scoven, Paul	327 Park Ave., Kokomo, Ind.	.5
9VH	Scribner, Elmer B.	1111 S. 16th St., Sheboygan, Wis.	.5
9DZ	Seaman, Walter A.	734 Christiana Ave., Chicago, Ill.	.5
9DN	Sears, Charles L.	1322 Bayard Ave., St. Louis, Mo.	1.0
9SU	Seese, Thomas G.	4355 N. Ashland Ave., Chicago, Ill.	1.0
9IT	Sels, Hollis K.	131 Hyland Ave., Ames, Iowa.	1.0
9AGR	Seymour, Charles E.	828 Astor St., Milwaukee, Wis.	.5
9OO	Semmelmeier, Herbert	2629 W. Fairfield Ave., Chicago, Ill.	1.0
9GHI	Sever, Harold C.	Pleasant Plains, Ill.	.5
9ACE	Shanks, Charles E.	2660 Sutton Ave., Maplewood, Mo.	1.0
9BG	Shepherd, Don I.	316 N. West St., St. John, Kans.	1.0
9ABO	Shepherd, Floyd P.	936 Center St., Racine, Wis.	.5
9MI	Shiel, Merrill	433 S. Warman Ave., Indianapolis, Ind.	.5
9AAS	Shockey, Clarence A.	Cameron, Mo.	.5

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
9EF	Shotwell, Harold H.	446 61st Pl., Chicago, Ill.	Kc. 1.0
9AGI	Shriner, Ralph L.	4236 Junata St., St. Louis, Mo.	.5
9VA	Siegert, Walter	1250 W. 97th Pl., Chicago, Ill.	.5
9EY	Bimms, Lincoln J.	318 Locust St., Elgin, Ill.	1.0
9IY	Singleton, Paul G.	3161 Kenwood Ave., Indianapolis, Ind.	.5
9AQ	Skrainka, Walter and Nicholas.	4235 Lindell Blvd., St. Louis, Mo.	.5
9AAD	Slenz, Daniel R.	305 Douglas St., Fort Wayne, Ind.	.5
9IX	Smith, H. Merrill.	4154 W. Monroe St., Chicago, Ill.	.5
9UN	Smith, Joe L.	109 N. Highland St., Chanute, Kans.	.5
9MA	Smith, Lester M.	Salem, Wis.	.5
9AIT	Smith, Nathaniel C.	912 N. Glen Oak Ave., Peoria, Ill.	.5
9ABG	Smith, Noble.	1329 Brook St., Louisville, Ky.	.5
9BR	Smith, Raymond J.	1836 Villa St., Racine, Wis.	.5
9WW	Smith, Raymond L.	3005 Fulton St., Chicago, Ill.	1.0
9WM	Smith, Stanley	1552 E. 61st St., Chicago, Ill.	.5
9FM	Smith, Wallace W.	13 Eastover Park, Louisville, Ky.	1.0
9FX	Smith, Wilson S.	219 Rome Ave., Rockford, Ill.	.5
9FZ	Snarski, J. P.	1302 W. 52d St., Chicago, Ill.	.5
9AHM	Snoke, Kenneth F.	511 E. 16th St., Davenport, Iowa.	1.0
9JK	Snyder, William O.	Sweet Springs, Mo.	.5
9JI	Sommer, James M.	2538 N. Talbott Ave., Indianapolis, Ind.	.5
9ADS	Spalding, John G.	1328 Brook St., Louisville, Ky.	.5
9EI	Spaniol, John T.	1324 Harrison St., Superior, Wis.	1.0
9LT	Sparks, Charles H.	5431 Hartmer St., St. Louis, Mo.	.5
9AIG	Spiekerman, Francis H.	Sandwich, Ill.	.5
9IJ	Spencer, Alvin C.	Magnolia, Ill.	1.0
9QQ	Spencer, Earle W.	600 Wingfield St., Anoka, Minn.	1.0
9KP	Spencer, Levi	Gilman, Ill.	.5
9AFI	Sprackling, George A.	602 Milwaukee Ave., Janesville, Wis.	.5
9PE	Stang, Ray E.	1305 Main St., Le Mars, Iowa.	.5
9ADP	Stanley, Charles A.	1116 N. Hillside Ave., Wichita, Kans.	1.0
9HX	Stewart, Lawrence W.	211 Hicks Ave., Columbia, Mo.	1.0
9HK	St. Cyr, Albert.	319 Harrison St., Marquette, Mich.	.5
9SX	Steinberg, Alfred F.	933 35th St., Milwaukee, Wis.	.5
9HP	Stevens, Kenneth	2032 N. 7th St., Sheboygan, Wis.	.5
9OX	Stevens, Harold D.	6804 Hurlbut Ave., Chicago, Ill.	1.0
9RZ	Stone, Francis F.	801 Harrison St., Topeka, Kans.	1.0
9AA	Stone, Richard G.	717 Douglas Ave., Elgin, Ill.	.5
9LH	Stone, J. McW.	5129 Harper Ave., Chicago, Ill.	1.0
9LP	Stover, Peter A.	Marengo, Iowa.	1.0
9UY	Strook, Reeve O.	Polo, Ill.	1.0
9WJ	Struver, Harold W.	1218 Lafayette St., Ft. Wayne, Ind.	.5
9SL	Sutcliffe, Ewart L.	308 Kearsarge St., Laurium, Mich.	.5
9DG	Sutherland, Kenneth L.	1111 Harrison St., Topeka, Kans.	1.0
9AFM	Swain, Raymond E.	2828 Highland Pl., Indianapolis, Ind.	.5
9ID	Swanson, Carl S.	7110 Cottage Grove Ave., Chicago, Ill.	.5
9AFN	Swanson, Martin.	1900 Western Ave., Minneapolis, Minn.	.5
9CB	Tafel Electric Co., Inc., H. C.	236 W. Jefferson St., Louisville, Ky.	1.0
9IH	Talbot, Edward.	1114 W. 34th St., Indianapolis, Ind.	1.0
9PZ	Tallentire, Thomas.	458 Foote Ave., Bellevue, Ky.	.5
9HJ	Taylor, Forrest.	Monroeville, Ind.	.5
9GB	Taylor, Wm. B., jr.	6438 Kenmore Ave., Chicago, Ill.	1.0
9FN	Taynton, Mark.	7641 South Shore Drive, Chicago, Ill.	.5
9LG	Teal, Paul H.	High School, Devils Lake, N. Dak.	1.0
9JV	Tector, Macy O.	Hagerstown, Ind.	.5
9HQ	Terry, Owen R.	242 Prospect Ave., Stoughton, Wis.	1.0
9AII	Terry, James W.	520 Schwartz St., Edwardsville, Ill.	.5
9QV	Thacher, Safford D.	310 Polk St., Topeka, Kans.	.5
9ON	Thielens, Wagner P.	Y. M. C. A. Bldg., South Bend, Ind.	1.0
9ED	The David Ranken, jr. School of Mechanical Trades.	4420 Cook Ave., St. Louis, Mo.	1.0
9AM	Theisen, Peter J.	3413 Meade St., Denver, Colo.	.5
9WK	Thomas, Carroll W.	746 16th St., Milwaukee, Wis.	.5
9RU	Thomas, Herschel.	R. F. D. No. 15, Amboy, Ind.	.5
9OR	Thomas, Martin N.	3019 Locust St., St. Joseph, Mo.	.5
9BM	Throup, Fred I.	Gilman, Ill.	.5
9TS	Tinling, Ted R. G.	642 Kenwood Ave., Chicago, Ill.	.5
9AAW	Todd, J. Richard.	Louisville, Ill.	.5
9ABK	Todd, Leonard.	2269 A Red Bud Ave., St. Louis, Mo.	.5
9EB	Tomann, Orville R.	R. F. D. No. 1, Ellsworth, Wis.	.5
9BK	Trier, Paul W.	803 2d Ave., Maywood, Ill.	.5
9IU	Tronske, Anthony.	Neidringhouse Bldg., Granite City, Ill.	1.0
9W	Trump, Robert K.	1254 Van Buren St., Topeka, Kans.	1.0
9AGB	Tylekens, Lucas, jr.	111 N. Topping Ave., Kansas City, Mo.	.5

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
9QK	Tuckerman, Gustavus, Jr.	5851 Pennsylvania Ave., St. Louis, Mo.	Kw. 0.5
9TR	Turner, Orville H.	4534 McMillan Ave., St. Louis, Mo.	1.0
9EW	Vander Veer, Guy E.	1246 W. Randolph St., Chicago, Ill.	.5
9SM	Van Hook, Valens.	127 Clay St., Topeka, Kans.	.5
9EV	Van Slyck, Wellington.	836 Main St., Lake Geneva, Wis.	.5
9AEE	Varner, Lindsay I.	Odessa, Mo.	.5
9QY	Vehling, Robert.	622 N. Rural St., Indianapolis, Ind.	.5
9QF	Vollmar, Harold V.	909 Wall St., Milwaukee, Wis.	.5
9FP	Voss, Lucien L.	2679 Lincoln Ave., Chicago, Ill.	.5
9AIB	Wahn, Harry.	4946 N. Hoyne Ave., Chicago, Ill.	.5
9GO	Wagner, William D.	123 W. 4th St., Duluth, Minn.	.5
9ES	Wales, Frank S.	Polo, Ill.	.5
9FA	Walker, Lloyd A.	1716 S. 20th St., St. Joseph, Mo.	.5
9ADR	Wallace, William A.	Brush, Colo.	1.0
9AY	Ward, Lloyd S.	1227 Chestnut St., Rockford, Ill.	1.0
9AEX	Wareing, Thomas.	2615 Seminary Ave., Chicago, Ill.	.5
9JT	Warner, Kenneth H.	402 Washington Ave., Cairo, Ill.	.5
9CU	Watkins, Edwin S.	5245 Magnolia Ave., Chicago, Ill.	1.0
9JA	Watson, Noble B.	204 N. Hamilton Ave., Indianapolis, Ind.	1.0
9DO	Weber, Anthony L.	1302 Winona Ave., Chicago, Ill.	.5
9GL	Weber, John O.	646 31st St., Des Moines, Iowa.	.5
9PL	Weillepp, Paul F.	631 W. Prairie Ave., Decatur, Ill.	.5
9SK	Weitz, Rudolph W.	403 W. 42d St., Des Moines, Iowa.	1.0
9IS	Wendell, Raymond B.	908 Clark St., Evanston, Ill.	.5
9AAB	West, Paul H.	631 Harrison St., Gary, Ind.	1.0
9QC	Wheeler, Ted R.	1729 Quindaro Blvd., Kansas City, Kans.	1.0
9LB	Whipple, Arthur F.	1040 N. Leclair Ave., Chicago, Ill.	.5
9ADU	Whitaker, Ralph S.	1825 S. Washington St., Denver, Colo.	1.0
9AFK	Whitcomb, Donald L.	406 N. Lawndale St., Kansas City, Mo.	.5
9HB	White, Elliott A.	903 Lake St., Columbia, Mo.	1.0
9JH	White, H. S. M.	1523 Jackson St., Sioux City, Iowa.	1.0
9GQ	Wiggin, Parker E.	737 Waverly Ave., Kansas City, Kans.	.5
9UA	Wigton, Theron W.	27 N. Anderson St., Aurora, Ill.	.5
9IE	Wilcox, Charles W.	427 S. Brighton St., Kansas City, Mo.	.5
9FU	Wilhelmy, Lino M.	418 S. Main St., Decatur, Ill.	.5
9KH	Wilcox, Leo B.	415 W. Park Ave., Angola, Ind.	1.0
9FF	Wilkerson, Wilbur P.	1424 N. 29th St., Kansas City, Kans.	1.0
9AHR	Williams, Ashley.	4300 South St., Lincoln, Nebr.	.5
9AGT	Williams, Creah V.	525 N. Emporia Ave., Wichita, Kans.	1.0
9JP	Williams, Harold S.	707 Garden St., Kenosha, Wis.	.5
9PN	Williams, Harry B.	515 Central St., Chanute, Kans.	1.0
9SY	Williams, Morton B.	2419 S. Calhoun St., Ft. Wayne, Ind.	1.0
9RA	Williams, Norman B.	115-117 N. Vermillion St., Streator, Ill.	1.0
9NZ	Willing, William P.	610 N. Grove Ave., Oak Park, Ill.	1.0
9II	Wilshusen, Wilmer L.	Stafford, Kans.	1.0
9EP	Wilson, Guy E.	3922 Flora Ave., Kansas City, Mo.	1.0
9NR	Winchester, Roy H.	840 De Kalb Ave., Sycamore, Ill.	1.0
9WV	Wireless Trio, The. See Hoffman, Erich A.		
9TP	Witcraft, Wilbur.	1941 Thompson Ave., Kansas City, Kans.	1.0
9ACO	Wittick, Eugene C.	104 6th Ave., Moline, Ill.	.5
9US	Woodford, Joe C.	411 E. 2d Ave., Oskaloosa, Iowa.	.5
9AR	Woodruff, Ralph T.	649 N. 37th St., East St. Louis, Mo.	1.0
9HS	Woods, William E.	4538-A Laclede St., St. Louis, Mo.	.5
9AIU	Wolf, Jerome E.	510 W. Iowa St., Urbana, Ill.	.5
9CY	Woster, Stanley W.	5531 Lowe Ave., Chicago, Ill.	1.0
9ADN	Wright, Kenneth E.	855 Grand Ave., Waukegan, Ill.	.5
9QM	Wunderlich, Clarence C.	213 3d St., Cairo, Ill.	1.0
9NL	Wunderlich, Norman.	Sedgewick and Division Sts., Chicago, Ill.	.5
9MF	Yeakel, Maynard A.	Polo, Ill.	.5
9VC	Ziegenbein, Ralph W. L.	335 Douglas St., Houghton, Mich.	.5
9DM	Ziesenis, Harry.	700 Mississippi St., Lawrence, Kans.	1.0
9FY	Zimmerman, Clinton J.	117 S. Washington St., Duquoin, Ill.	1.0
9AGL	Zuckerman, Samuel.	2119 Spruce St., Boulder, Colo.	.5
9AIE	Zuelow, Felix.	Casselton, N. Dak.	.5

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9AA	Stones, Richard G.	9ADT	Hartman, Gilbert & Martin.	9AGV	Fiedler, Herbert.
9AAB	West, Paul H.	9ADU	Whitaker, Ralph S.	9AGX	Bean, Mason.
9AAC	Carlisle, Lloyd.	9ADV	Joslin, Murray.	9AGY	Brodnax, Lewis M.
9AAD	Slents, Daniel R.	9ADW	Hicks, Verner.	9AGZ	Engel, Roman.
9AAE	Russell, Wolfert E.	9ADX	Roe, Vancil, V.	9AH	Kihlstrom, Harry C.
9AAF	Oonk, William J. C.	9ADY	Clapp, Newell.	9AHA	Gates, George B.
9AAG	Butler, Leonard.	9ADZ	McDonald, Edgar J.	9AHD	Mase, Harold E.
9AAH	Neidlinger, Laurence.	9AE	McGee, Paul J.	9AHE	Harlin, Paige J.
9AAI	Bruestle, Walter F., jr.	9AEA	Benton, Raymond M.	9AHG	Payne, Howard.
9AAJ	Mathison, Michael.	9AEB	Garver, Norman D.	9AHI	Nelson, Gustaf A.
9AAK	Knowles, Ivar A.	9AEC	Landon, Edward B.	9AHK	Drummond, Ralph.
9AAL	Newlin, Myron.	9AED	Larsen, Clifford N.	9AHM	Snoke, Kenneth F.
9AAM	Clough, Kendall.	9AEE	Varner, Lindsay.	9AHN	Principia School.
9AAN	Pecha, J. D.	9AEF	Schlegel, Alfred.	9AHO	Schalcknauser, E. G.
9AAO	Ebert, Arthur.	9AEG	O'Donnell, Wert.	9AHR	Williams, Ashley.
9AAP	Dunlap, Carroll M.	9AEH	Blake, Charles R.	9AHS	Ovrebø, Paul.
9AAQ	Lewis, Hubert.	9AEI	Ebner, Emil, jr.	9AHT	Glavin, Roland E.
9AAR	Barton, Harold.	9AEJ	Hornbeck, Holton.	9AHU	Buck, Donald N.
9AAT	Kanyon, Vernon N.	9AEK	Miller, Leslie F.	9AHW	Call, George R.
9AAU	Blasier, Herbert, jr.	9AEL	Olsen, Clarence J. M.	9AI	Kaufmann, Elmer.
9AAV	Mole, Harry H.	9AEM	Miller, Charles, jr.	9AIA	Campbell, Albert.
9AAW	Todd, J. Richard.	9AEN	Brewster, Vernon.	9AIB	Wahn, Harry.
9AAX	Schulze, A. N.	9AEO	Hall, Alfred H.	9AIC	Bliss, Sidney.
9AAY	Harris, Frank M., jr.	9AEP	Avery, Norman K.	9AID	Lockhart, Ashton.
9AAZ	Mathiasen, Carl A.	9AEQ	Richards, John.	9AIE	Zuelow, Felix.
9ABA	Crabb, Thomas G.	9AER	Marshall, George.	9AIF	Fawcett, Lester S.
9ABD	Corwin, Willis.	9AES	Garrett, Halle C.	9AIG	Spickerman, Francis H.
9ABE	Button, Bert A.	9AET	Huff, Fred. I.	9AIH	Morton, C. E. and Terry, J. W.
9ABG	Smith, Noble.	9AEU	Haltz, Fred, jr.	9AIJ	Lipe, Corodan C.
9ABI	Honecker, Walter.	9AEV	Coffman, Scott.	9AIK	Cook, George S.
9ABK	Todd, Leonard.	9AEW	Nelson, M. E.	9AII	Jordan, Jacob.
9ABM	Kingsland, Le Roy.	9AEX	Wareing, Thomas.	9AIM	Mackley, Harry A.
9ABN	Deming, Herschel.	9AEY	Matzinger, Philip F.	9AIN	Ferguson, William B.
9ABO	Shephard, Floyd P.	9AEZ	Egloff, Edward and Martin.	9AIO	Ferree, Frank H.
9wBR	Baker, Warren C.	9AF	O'Connell, John B.	9AIP	Hunt, Clayton S.
9ABS	Frenzel, Oscar F., jr.	9AFA	Jaroszewicz, Casimir.	9AIQ	Englund, Lawrence.
9ABT	Fedder, Herman.	9AFD	Krus, Carl.	9AIR	McCune, Geo. H.
9ABW	Myers, Willford U.	9AFE	Howard, John C.	9AIS	Barber, Orville F.
9AC	Pfeiler, Lawrence.	9AFG	Nevling, Lorin I.	9AIT	Smith, Nathaniel C.
9ACA	Spetzman, John.	9AFI	Sprackling, George A.	9AIU	Wolf, Jerome.
9ACD	Doerfler, Hilary.	9AFK	Whitcomb, Donald L.	9AIV	Curtis, David S., jr.
9ACE	Greene, John.	9AFM	Swain, Raymond E.	9AIW	Doole, Howard, and Francis, Lyle.
9ACG	Shanks, Charles E.	9AFN	Harris, Harvey P.	9AIX	Gabbert, Oscar F., jr.
9ACJ	Allen, George M.	9AFO	Phillips, Claude B.	9AIY	Davis, Winfield.
9ACK	McQuilkin, Joseph R.	9AFR	Busey, Paul G.	9AIZ	Müller, Carmi E.
9ACM	Jeffrey, Albert E.	9AFS	Blum, Sidney J.	9AJ	Nell, Raymond B.
9ACN	Curry, Willfred N.	9AFT	Clayton, Harold H.	9AJA	Argabrite, Geo. A.
9ACO	Wittick, Eugene C.	9AFU	Bechtold, Joe and Fred V.	9AJD	Morton, Clyde E.
9ACR	Frank, George.	9AFW	Martens, Hugo.	9AJE	Gunderson, Clarence.
9ACS	Goch, Bertram.	9AG	Bornofska, Clarence and Elmer.	9AJG	Kansler, Vic. H.
9ACT	Degner, Le Roy.	9AGA	Tylekens, Lucas, jr.	9AJI	Kuhl, G. Harris.
9ACU	Degner, Le Roy.	9AGB	Cottrell, Gorham J.	9AJK	Fischer, A.
9ACW	Porwancher, Samuel.	9AGC	Banks, Archie E.	9AJM	Meth, Charles.
9ADA	Franklin, Maurice W.	9AGD	Gamble, Glen A.	9AJN	Schoenwolf, Fred L.
9ADB	Greenwood, George W., jr.	9AGE	Canary, Elmer B.	9AK	Jumisko, Harold W.
9ADC	Erickson, Einer.	9AGF	Herrling, Raymond C.	9AL	Johnson, Arthur.
9ADD	Meldrum, George E.	9AGG	Fenner, Zell G.	9AM	Thelsen, Peter J.
9ADE	Keller, Carl E.	9AGH	Shriner, Ralph L.	9AN	Cole, Jirah D., jr.
9ADF	Jarboe, Owen.	9AGI	Rees, John.	9AO	Lipman, Theodore E. K.
9ADG	Hughes, Arthur S.	9AGJ	Messing, Marvin M.	9AP	Kingsley, Raymond C.
9ADH	Clark, Donald L.	9AGK	Zuckerman, Sam.	9AQ	Skrainka, Walter and Nicholas.
9ADI	Rutsfold, Arnold S.	9AGL	Knodle, Almon S.	9AR	Woodruff, Ralph T.
9ADJ	Nelson, Lee M.	9AGM	Brittin, Frank L.	9AS	Goodnow, Frank E.
9ADK	MacMillan, Charles W.	9AGN	Groth, Wm. A.	9AT	Rueschau, Harry R.
9ADL	Bates, Clarence.	9AGO	Barrett, Paul G.	9AU	Iversen, Reginald J.
9ADM	Le Vine, George L.	9AGP	Davis, Herbert.	9AV	Hamel, Walter H.
9ADN	Wright, Kenneth E.	9AGR	Seymour, Charles.	9AW	Niswonger, Elbert E.
9ADO	Bullock, Merlin & Gerald.	9AGS	Becker, Paul McN.	9AX	Loosen, Irving R.
9ADP	Stanley, Charles A.	9AGT	Williams, C. V.	9AY	Ward, Lloyd S.
9ADQ	Hecht, Royal H.	9AGU	Briscoe, Bertram O.	9AZ	Davidson, James G.
9ADR	Wallace, William A.				
9ADS	Spalding, John G.				

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9BA	Elmore, Virtus R.	9DU	Elliott, Byron K.	9GR	Riggs, H. C.
9BB	Nattenheimer, Ervin B.	9DV	Locher, Leo.	9GB	Morgan, Berwyn E.
9BC	Dunlap, Carroll M.	9DW	Malott, Alfred F.	9GT	Pollard, Lynn.
9BD	Kesler, F. W.	9DX	Delch, Dayton F.	9GU	Clayton, Homer E.
9BE	Myers, Delbert E.	9DY	Healy, Kent T.	9GV	Coles, Jas. A.
9BF	Heck, Lawrence F.	9DZ	Seaman, Walter A.	9GW	Rock, Burnham S.
9BG	Shepherd, Don I.	9EA	Brattland, Armond D.	9GY	Kern, L. Armstrong.
9BH	Neltz, Paul I.	9EB	Oakley, Robert N.	9GZ	Ihl, G. Sheridan.
9BI	Craig, Richard A.	9EC	Lebo, Robert B.	9HA	Andrew Warren.
9BJ	Munchhof, Leo G.	9ED	The David Ranken, Jr., School of Mechanical Trades.	9HB	White, Elliott A.
9BK	Trier, Paul W.	9EE	Mueller, Clarence.	9HC	Kernay, Idan M.
9BL	Peri, Raymond H.	9EF	Shotwell, Harold H.	9HD	Prahl, Louis.
9BM	Throop, Fred I.	9EG	Dean, Carl W.	9HE	Bergvall, Royal, and W. E.
9BN	Flynn, John H., Jr.	9EH	Hollister, Harold A.	9HF	Hatch, J. Hadley.
9BO	McBride, Ralph M.	9EI	Spaniol, John T.	9HG	Kistner, Joseph.
9BP	Holcombe, Ray E.	9EJ	Barnett, Lawrence T.	9HH	Bohac, Leonard.
9BQ	Rhea, Robin E.	9EK	French, Newell E.	9HI	Burchnell, Geo. M.
9BS	Jorgenson, Harold.	9EL	Herrmann, Louis G.	9HK	St. Cyr, Albert.
9BT	Baldwin, Edward.	9EM	Ball, George W.	9HL	Crawford, Robert.
9BU	Brown, Clarence I.	9EN	Fisher, Ralph D.	9HM	Davis, Donald W.
9BV	Van Slyck, Wellington.	9EO	McNeill, Malcom R.	9HN	Crowdus, James A.
9BW	Reinhardt, Wm. C.	9EP	Wilson, Guy E.	9HO	Kossov, Erwin.
9BX	Lutz, Clarence W. A.	9EQ	Healy, Daniel.	9HP	Stevens, Kenneth.
9BY	Scovon, Paul.	9ER	McLeod, Kenneth.	9HQ	Terry, Owen R.
9BZ	Goddard, C.	9ES	Wales, Frank S.	9HR	Banich, Ernest L.
9CA	Norene, Raymond E.	9ET	Bramhall, William.	9HS	Woods, William E.
9CB	H. C. Tafel Electric Co., Inc.	9EU	Frech, Lester.	9HT	Gleichman, Walter C.
9CC	Pierson, Martin.	9EV	Piersol, Myron D.	9HU	Pilgram, Geo. W. and John C.
9CD	Moan, Vere M.	9EW	Vander Veer, G. E.	9HW	Peterson, O. W.
9CE	Hansen, Leland H.	9EX	Adolfson, George S.	9HX	Stewart, Lawrence W.
9CF	Hall, Harlan R.	9EY	Simms, Lincoln J.	9HY	Keller, Allen W.
9CG	Johnson, Ralph.	9EZ	Davis, Richard M.	9HZ	Anderson, Ivan H.
9CH	Grosscup, Harry W.	9FA	Walker, Loyd A.	9IA	Huckett, Edwin.
9CI	Johnson, August R.	9FB	Pearce, Wm. W., jr.	9IB	Koch, Emerson L.
9CJ	Harry, Charles.	9FC	Schulte, Herman.	9IC	Greenleaf, S. A.
9CK	Abel, Wilson L.	9FD	Lawson, Parryrn R.	9ID	Swanson, Carl S.
9CL	Bech, Guy L.	9FE	Dunklau, George.	9IE	Wilcox, Charles W.
9CM	Kilpeper, Milhart F.	9FF	Wilkinson, Wilbur P.	9IF	Cole, Irvin D., jr.
9CN	Cobb, Merle A.	9FG	Dickson, Ward.	9IG	Reeder, Fern K.
9CO	Maupin, Ross.	9FH	Millsbaugh, Chas. H.	9IH	Talbot, Edward.
9CP	Bratch, Nicholas.	9FI	Salisbury, Hubbard H.	9II	Wilshusen, Wilmer L.
9CQ	Bahmer, William.	9FK	Oetjen, Richard J.	9IJ	Lloyd, Norman W.
9CR	Halse, Paul A.	9FL	Hauck, George.	9IK	Mathews, Ralph.
9CS	Ragan, Tate V.	9FM	Preuss, Arthur C.	9IL	Hellwig, Emil C.
9CT	Bralsford, Harry D.	9FN	Taynton, Mark.	9IM	Smith, Wallace W.
9CU	Watkins, Edwin S.	9FO	Rehm, Ralph E.	9IN	Locke, Melvin W.
9CV	Johnston, Roderick E.	9FP	Fawkes, C. E.	9IO	Henry, Albert L.
9CW	Halse, Elmer.	9FQ	Brigham, Neal.	9IP	Nell, Edward, jr.
9CX	Haynes, Roy.	9FR	Heckenkamp, E. B.	9IQ	Burr, Ralph H.
9CY	Wooster, Stanley W.	9FS	Davidson, James.	9IR	Schrieker, J. Raymond.
9DA	Irvin, John A.	9FT	Graves, G. G.	9IS	Wendell, Raymond B.
9DB	Faust, Lawrence R.	9FU	LaDuke, Earl R.	9IT	Sels, Hollis K.
9DC	Fahrney, Clarence H.	9FV	Aldrich, Clinton P.	9IU	Tronske, Anthony T.
9DD	Ederer, Lothar A.	9FW	Moreland, Henry F.	9IV	Olsen, Winard G.
9DE	Jensen, Arnold L.	9FX	Smith, Wilson.	9IW	Dennis, Eben R.
9DF	Hagedorn, Gilbert H.	9FY	Zimmerman, Clinton J.	9IX	Smith, H. Merrill.
9DG	Hilgenberg, Noble C.	9GA	Case, Henry W.	9IY	Singleton, Paul G.
9DH	Blatterman, Headlee.	9GB	Taylor, Wm. B., jr.	9IZ	Harris, Ralph G.
9DI	Ahrensfield, Wm. H.	9GC	Read, Harry.	9JA	Watson, Noble B.
9DJ	Beasley, William A.	9GE	McKee, Myron J.	9JB	Erikson, Eben W.
9DK	O'Neill, Donald H. C.	9GF	Eyth, Hector G.	9JC	Lewis, W. Turnor II.
9DL	Friend, Earle M.	9GH	Sever, Harold C.	9JD	Jorgenson, O. B.
9DM	Ziesenis, Harry C.	9GI	Levander, Edwin N.	9JE	Baumer, Harry W.
9DN	Sears, Charles L.	9GJ	Lobas, John.	9JG	Hood, Norman R.
9DO	Weber, Anthony L.	9GK	Weber, John O.	9JH	White, H. S. M.
9DP	Clark, Bayard H.	9GL	Curtis, Chas. D.	9JI	Sommer, James M.
9DQ	Sutherland, Kenneth L.	9GN	Wagner, William D.	9JJ	Alvested, Clarence M.
9DR	Juvenal, James B.	9GO	Mallarian, Gregory.	9JK	Snyder, William O.
9DS	Ballantyne, Elmer.	9GP	Ristau, Harold.	9JL	Keller, Stanley L.
9DT	Schaf, J. Charles.	9GQ		9JM	Putz, Anton E.

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9JN	Glasgow, Roy S.	9ME	Kimmel, Maurice E.	9OY	Fritz, Jack A.
9JO	Gustafson, Gerald.	9MF	Yeakel, Maynard A.	9OZ	Phillips, H. Leroy.
9JP	Williams, Harold S.	9MG	Novak, Joe J.	9PA	Korthals, Albert.
9JQ	Finlay, William J.	9MH	Moore, Wm. McD.	9PB	Hancock, Leverne.
9JR	Miller, Harry F.	9MI	Shiel, Merrill.	9PC	Carter, George W.
9JS	Goodnetter, Elmore.	9MJ	Hussner, Helm C.	9PD	Cassaday, Cecil E.
9JT	Warner, Kenneth B.	9MK	Giddings, E. H.	9PE	Stang, Ray E.
9JU	Gisseler, Herman.	9ML	Bement, David L.	9PF	Bolin, Ray E.
9JV	Teator, Macy O.	9MM	Pickett, Chester H.	9PG	Berghern, W. D., and Langen, Geo.
9JW	Trump, Robert K.	9MN	Maynard, P. Neff.	9PH	Ranson, Richard R.
9JX	Griffiths, Robert E.	9MO	Huffman, Verne A.	9PI	Finehout, Fred.
9JY	Black, Max I.	9MP	Anderson, Paul D.	9PJ	Maxfield, David C.
9JZ	Schubert, Clarence.	9MQ	Graham, Albert I.	9PK	Foster, Edwin J.
9KA	Markowski, Edward T.	9MR	Roth, Henry, jr.	9PL	Wellepp, Paul F.
9KB	Forbes, Henry C.	9MS	Dier, Stephen.	9PM	Eick, Ferdinand.
9KC	Lee, David R.	9MT	Neumann, Clarence F.	9PN	Williams, Harry B.
9KD	Rathert, Will P.	9MU	Hess, Merriman.	9PO	May, Howard L.
9KE	Kranzfelder, Leonard J.	9MV	Hughes, James C.	9PP	Voss, Lucien L.
9KF	Goorisich, John A.	9MW	Morrison, Francis S.	9PQ	Greenleaf, Burton B.
9KG	Cornish, Clarence F.	9MX	Schiller, Roy.	9PR	Laidlaw, Robert F.
9KH	Wilcox, Leo B.	9MY	Haines, Thorvald L.	9PS	Gosha, Donald.
9KI	Petersen, Howard E.	9MZ	Evans, Walter C.	9PT	Howland, H. N.
9KJ	Briggs, Walter C.	9NA	Cleveland, Leroy.	9PU	Wilhelmy, L. M.
9KK	Henricks, George.	9NB	Price, Gerald.	9PV	Laube, Herbert L.
9KL	Helms, Elvin E.	9NC	Phillips, H. G.	9PW	Peck, Earle M.
9KM	Anderson, Oscar L.	9ND	Roberts, Mason.	9PX	Gustafson, C. Hjal- mar.
9KN	Burg, Harold E.	9NE	Riley, Wilson M.	9PY	Pleron, Stuart W.
9KO	Joseph, Jarold.	9NF	Cottrell, Wm. R.	9PZ	Tallentire, Thomas.
9KP	Spencer, Levi.	9NG	Cramer, Wilbur R.		
9KQ	Melcher, John M.	9NH	Abercromble, Julius B.	9QA	Larson, Lee H.
9KR	Miller, John F.	9NI	Krug, Eugene C.	9QB	Kees, Rossman W.
9KS	Bonnett, Harold.	9NJ	Brabender, Carl W.	9QC	Wheeler, Ted R.
9KT	La Plant, G. L.	9NK	Moss, Frank K.	9QD	Albach, Henry, jr.
9KU	Burgy, Charles A., jr.	9NL	Schattschneider, Emil G.	9QE	Hopkins, Stanley W.
9KV	Sauer, August.	9MM	Glavin, Roland E.	9QF	Lockwood, Charles E.
9KW	Scott, M. Vernon.	9NN	Deal, Harmon B.	9QG	Bundy, Howard E.
9KX	Mathias, Russell E.	9NO	Coquilette, Glenn E.	9QH	Brockschmidt, Wes- ley E.
9KY	Hartnell, Eugene H.	9NQ	Leininger, Clarence.	9QI	Baldwin, Harry E.
9KZ	Davis, William R.	9NR	Winchester, Roy H.	9QM	Wunderlich, Clarence C.
9LA	Reichenecker, Frank N.	9NS	Ritter, Wm. H.	9QN	Oberholtz, Edwin F.
9LB	Whipple, Arthur F.	9NT	Chapman, Richard C.	9QO	Petersen, Walter.
9LC	Casey, John G.	9NU	Perry, Wm. N.	9QP	Mann, Harold L.
9LD	Brooks, Ralph.	9NV	Gates, Arthur R.	9QQ	Spencer, Earle W.
9LE	Liste, Waldo E.	9NW	Caldwell, Kenneth R.	9QS	Hood, Thomas.
9LF	Keenan, Charles J.	9NX	Phelps, Clyde W.	9QU	Johnson, Paul E.
9LG	Teal, Paul H.	9NY	Ivy, John S.	9QV	Thacher, Safford D.
9LH	Stone, J. McWilliams.	9NZ	Willing, William P.	9QW	Carnes, Theodore L.
9LI	Heiser, Walter C.	9OA	Dilley, Joseph.	9QY	Vehling, Robert.
9LJ	Spencer, Alvin C.	9OB	Church, Archibald, jr.	9QZ	Meyer, Otto.
9LK	Harrison, Major P., jr.	9OC	Johnson, Lorin F.		
9LL	Plummer, Evans E.	9OD	Kohl, William.	9RA	Williams, Norman B.
9LM	Schowalter, Elmer R.	9OE	Andreen, Earl H.	9RB	Kluge, Arno.
9LN	Laughlin, Dale.	9OF	Vollmar, Harold.	9RC	Bohnstengel, George.
9LO	Perkins, Albert.	9OG	Nestlerode, Boyd W.	9RD	Bailey, F. M.
9LP	Stover, Peter A.	9OH	Pentland, Robert L.	9RE	Mathausen, James J.
9LQ	Kruse, S.	9OI	Holte, Harold O.	9RF	Harmegnies, Paul E.
9LR	Carroll, W. H.	9OJ	Barry, Daniel.	9RG	McCartney, Hugh S.
9LS	Olmsted, Randolph F.	9OK	Gerkey, Lewis K.	9RH	Debus, George W.
9LT	Sparks, Chas. H.	9OM	Finley, Cyrus P.	9RI	Flesvig, Henry.
9LU	Knouf, Ralph.	9ON	Thielsens, Wagner P.	9RK	Norblied, Herbert D.
9LV	Ehling, Fritz.	9OO	Semmelmeyer, Her- bert.	9RL	Saltmarsh, Eugene P.
9LW	Howard, Clyde M.	9OP	Sandifer, Robert.	9RM	Guthrie, Edwin P.
9LX	Leberman, Palmer K.	9OQ	Coultas, Charles.	9RO	Lethen, Edward.
9LY	Greene, Clark W.	9OR	Thomas, Martin.	9RP	Graf, Rudolph.
9LZ	Mason, Francis M., jr.	9OS	Rutt, Burnice L.	9RQ	Nelson, Carl H.
9MA	Smith, Lester M.	9OT	McKee, Charles R.	9RR	McCall, John A.
9MB	Andreas, Gerald T.	9OU	Pye, Harold.	9RS	Meyer, Walter A.
9MC	Michaels, J. J.	9OV	Richardson, David W.	9RU	Thomas, Herschel.
9MD	McClintock, Wm. S., jr.	9OW	Del Vecchio, Earl.	9RV	Huffman, Charles.
		9OX	Stevens, Harold D.	9RW	Burhop, Harold.

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9RX	Cummings, Murney.	9TV	Ostermeler, Cecil H.	9VM	Clark, M. Eugene.
9RY	McGuire, Donald D.	9TW	Anderson, Axel V.	9VN	Geiger, Hans F.
9RZ	Stone, Francis E.	9TX	La Rue, Harold.	9VO	Estling, David A.
		9TY	Pope, Franklin R.	9VP	Benson, Lester A.
9SA	Brennan, Joseph D.			9VQ	Mason, Leroy E.
9SD	Broughton, William G.	9UA	Wigton, Theron W.	9VR	Ellers, Werner.
9SE	Schmidt, Otto G.	9UB	Huston, Paul E.	9VS	Diffenderfer, Davis A.
9SF	Mehrholtz, Irvin.	9UC	Loveless, Harry L.	9VT	Lawrence, Harley C.
9SG	Komm, Paul M.	9UD	Diehl, Grant, Jr.	9VU	Allman, John C.
9SH	Burdick, Roy E.	9UE	Fels, Thomas W.	9VV	Messery, Henry.
9SI	Lowe, Meredith B.	9UG	Blakey, Millard.	9VW	Riedy, Walter L.
9SJ	Molte, Edward F.	9UH	May, De Witt W.	9VX	Grossman, Eugene F.
9SK	Weltz, Rudolph W.	9UI	Cottrell, Hale T.	9VY	Bauer, George D.
9SL	Castleberry, Jewell.	9UJ	Neumann, Adelbert.	9VZ	Snarski, J. P.
9SM	Engler, Robert J.	9UK	Graybill, Donald R.		
9SN	Anderson, Virgil.	9UL	Cheyne, Tom L.	9WA	Coats, Roscoe J.
9SO	Day, Harold E.	9UM	Erickson, Edward H.	9WB	Nolan, Guy P.
9SP	Maxson, Rolland and Charles S.	9UN	Smith, Joe L.	9WC	Kannenstine, Fabian M.
9SQ	Rea, Richard.	9UO	Hegge, Adolph.	9WD	Giese, R. C.
9SR	Hogan, Leo.	9UP	Paezold, William H.	9WE	Brandt, Erwin H.
9SS	Schrage, Charles T.	9UQ	Blood, Lester C.	9WF	Carter, George W.
9ST	Roth, John.	9UR	Powers, Milton A.	9WG	Parks, Paul B.
9SU	Seese, Tom G.	9US	Woodford, Joe C.	9WH	Reynolds, Wm. D., jr.
9SV	Ruzek, Oscar E.	9UT	Hamilton, Leo L.	9WI	Kalley, Eugene V.
		9UV	Hayes, James E. S.	9WJ	Struver, Harold W.
9TA	Parnin, Ross.	9UW	Burkart, Louis J., jr.	9WK	Thomas, Carroll W.
9TB	Koresh, George.	9UX	Behl, Fayette.	9WL	Bierbach, Werner.
9TD	Eisele, Edward J.	9UY	Strock, Reeve O.	9WM	Smith, Stanley.
9TE	Girod, Earl.	9UZ	Edwards, Austin N.	9WN	Ferdinand, Harry P.
9TG	Fruit, Lester.			9WO	Garrett, Sherman S.
9TH	Liston, Earl.	9VA	Slegart, Walter.	9WP	McKeever, Thomas.
9TI	Hancock, George T.	9VB	Bennett, Herbert P.	9WQ	Black, Harry N.
9TK	Jensen, Louis T.	9VC	Ziegenbein, Ralph W. L.	9WR	Burghardt, Douglas.
9TM	Bonson, George W.			9WS	Patterson, Coy.
9TN	Mirgeler, Robert J.	9VD	Bitner, Robert E.	9WT	Kalley, Edward L.
9TO	Cyr, Darrel J.	9VE	Littmann, Edwin R.	9WU	Church, Arthur B.
9TP	Witcraft, Wilbur.	9VG	Howard, L. Harde-	9WV	Hoffman, Erich A.
9TQ	Griggs, Fred W.		man.	9WV	Smith, Raymond L.
9TR	Turner, Orville H.	9VH	Scribner, Elmer B.	9WX	Kramer, Andrew W.
9TS	Stansbury, Clinton.	9VI	Beesley, Bernard J.	9WY	Barnickol, Carl R.
9TT	Loebe, Roy A.	9VJ	Miller, Leland.	9WZ	Blue River Power Co.
9TU	Gruda, Edgar.	9VK	Boardman, Horace C. and Clarence E.		
		9VL	Grafe, Harold.		

APPENDIX.

TRANSMISSION OF TIME SIGNALS AND HYDROGRAPHIC INFORMATION 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 Washington (NAA), Key West (NAR), and New Orleans (NAT). Signals from Washington and Key West 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 standard time, and ending at noon.

In case of failure of the Washington high-power station, the signals are sent out by the small set in the same station, and the stations at Boston, Newport, New York, 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 San Francisco (NPH), Eureka (NPW), Point Arguello (NPK), and San Diego, Cal. (NPL), and at North Head, Wash. (NPE). The controlling clock for each station is in the naval observatory at the Mare Island Navy Yard. Signals from San Francisco 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.

On the Great Lakes the time signals are sent broadcast through the naval radio station at Great Lakes, Ill. (NAJ), daily from 10.55 a. m. to 11 a. m., ninetyeth meridian standard time.

To get the maximum clearness of signals, the receiving circuit should be tuned to that of the sending station. Washington and San Francisco send on a 2,500-meter wave length, North Head and San Diego on a 2,000-meter wave length, Eureka on a 1,400-meter wave length, Great Lakes on a 1,512-meter wave length, Key West and New Orleans on a 1,000-meter wave length, and Point Arguello on a 750-meter wave length.

Information concerning wrecks, derelicts, ice, and other dangerous obstructions to navigation, whenever received from the Hydrographic Office or from a branch hydrographic office or other reliable source, is sent broadcast four times daily, viz, at 8 a. m., noon, 4 p. m., and 8 p. m., local (standard) time of station. Ships within range of a naval radio station should be prepared to receive these hydrographic messages at the hours mentioned and should avoid sending radio messages at these times. One vessel sending may prevent several others receiving information necessary to their safety.

Naval radio stations will furnish this information to passing vessels on request, whenever practicable, at other hours than those mentioned above. Should it not be practicable to send out this information on one of the hours scheduled it will be held until the next scheduled time and sent out as soon as practicable after each hour scheduled.

Each night at 10 o'clock, seventy-fifth meridian, immediately following the time signal, the naval radio station at Washington, D. C., will broadcast such information relating to safe navigation as may be furnished it by the Hydrographic Office during the preceding 24 hours. The same wave length, 2,500 meters, used in the time signal will be employed.

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 Washington, D. C., 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 offshore, 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 Washington, D. C., 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 = north-east, 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.....	30.26	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.

The naval radio station at Great Lakes, Ill., transmits a weather bulletin at 10 a. m. and 10 p. m., ninetieth meridian time, daily, on a wave length of 1,512 meters. This bulletin is similar to the second bulletin sent out by Washington station, and is for the States of Illinois, Missouri, Iowa, Minnesota, North Dakota, South Dakota, Nebraska, Kansas, Wisconsin, and also for the upper lakes. Storm warnings are sent out as soon as received and broadcasted every four hours the next day.

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.]

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

LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATION.¹

Abbreviation.	Question.	Answer or notice.
C Q	- . . . - . . . -	Signal of inquiry made by a station desiring to communicate.
T R	- . . .	Signal announcing the sending of particulars concerning a station on shipboard (Art. XXII).
(!)	- - - - -	Signal indicating that a station is about to send at high power.
PRB	Do you wish to communicate by means of the International Signal Code?	I wish to communicate by means of the International Signal Code.
QRA	What ship or coast station is that?...	This is
QRB	What is your distance?.....	My distance is
QRC	What is your true bearing?.....	My true bearing is degrees.
QRD	Where are you bound for?.....	I am bound for
QRF	Where are you bound from?.....	I am bound from
QRG	What line do you belong to?.....	I belong to the Line.
QRH	What is your wave length in meters?..	My wave length is meters.
QRJ	How many words have you to send?..	I have words to send.
QRK	How do you receive me?.....	I am receiving well.
QRL	Are you receiving badly? Shall I send 20. for adjustment?	I am receiving badly. Please send 20. for adjustment.
QRM	Are you being interfered with?.....	I am being interfered with.
QRN	Are the atmospherics strong?	Atmospherics are very strong.
QRO	Shall I increase power?.....	Increase power.
QRP	Shall I decrease power?.....	Decrease power.
QRQ	Shall I send faster?.....	Send faster.
QRS	Shall I send slower?.....	Send slower.
QRT	Shall I stop sending?.....	Stop sending.
QRU	Have you anything for me?.....	I have nothing for you.
QRV	Are you ready?.....	I am ready. All right now.
QRW	Are you busy?.....	I am busy (or, I am busy with Please do not interfere.

¹ When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.

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.
		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).
		Inform that I am calling him.
QSP	Shall I inform that you are calling him?	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.
		Public correspondence is being handled. Please do not interfere.
QSV ¹	Is public correspondence being handled?	Increase your spark frequency.
QSW	Shall I increase my spark frequency?..	Decrease your spark frequency.
QSX	Shall I decrease my spark frequency?..	Let us change to the wave length of meters.
QSY	Shall I send on a wave length of meters?	Send each word twice. I have difficulty in receiving you.
		Repeat the last radiogram.
QSZ	.....
QTA	.....

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

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