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FOURTH ANNUAL OFFICIAL

**Wireless Blue Book**

OF THE

**Wireless Association**

**of America**

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CONTAINING A LIST OF UNITED STATES AND AMERICAN  
WIRELESS TELEGRAPH STATIONS

INCLUDING

Merchant Vessels, Vessels of the U. S. Navy, Revenue Cutters,

U. S. AMATEUR STATIONS

and Map of the United States with Government  
and Commercial Stations

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CORRECTED TO AUGUST 1st, 1914

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— PUBLISHED BY

**THE ELECTRO IMPORTING COMPANY**

233 FULTON STREET, NEW YORK CITY

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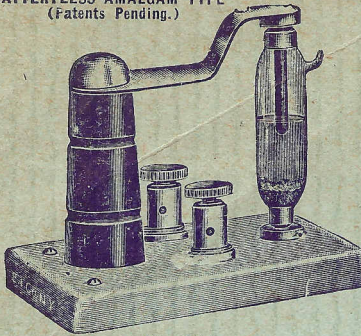
# ELECTRO IMPORTING COMPANY'S

NEW OFFERINGS  
Cat. No. 14

BATTERYLESS AMALGAM TYPE  
(Patents Pending.)

THE "ELECTRO" RADIOSON DETECTOR

"THE ULTRA SENSITIVE ELECTROLYTIC"



NO. 9300

The RadioSon is absolutely guaranteed by us in all respects. We guarantee safe delivery to you under all circumstances. The RadioSon is only sold complete as shown. RadioSon exchange cartridges are only furnished to users of this instrument providing the original cartridge is returned to us either whole or broken.

Specifications: The RadioSon consists of a heavy opal glass base, on this is mounted a very large solid hard rubber standard, which supports the heavy nickel plated brass spring. The spring holds the RadioSon cartridge in place by a positive grip. The cartridge is easily snapped in and out by simply lifting the spring upwards. There are two extra large nickel contacts. Size over all 4x2 1/2 x 3 1/2. All metal parts are triple nickel plated and highly polished.

On receipt of postage we will send detailed information of the RadioSon.  
No. 9300 "Electro" RadioSon Detector (complete). Shipping weight 2 lbs. ....  
No. 9301 "Electro" RadioSon Cartridge only (see note above). Shipping weight 1 lb. ....

This detector to-day is without question the most sensitive, and from an operative standpoint, the most satisfactory one manufactured.

The RadioSon Detector is the only detector so far developed which needs no adjusting and cannot get out of adjustment. It cannot be affected out of nearby sending stations, never loses its sensitivity and messages come in clear and distinct even while the detector is shaken violently.

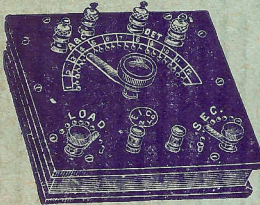
The acid as well as all other parts are sealed in the detector. It is absolutely clean and safe, and it is adjusted to its highest sensitivity at the factory. The RadioSon detector is always ready without adjustment on your part.

With our improved type RadioSon IT IS NOT NECESSARY TO USE BATTERY as a form of battery has been incorporated in the RadioSon itself (patent pending). This battery lasts indefinitely. A quantity of Amalgam is placed in the bottom of the cartridge and this Amalgam acts as a battery. A curious part of the improved RadioSon is that it does not sound like an electrolytic detector, but the sound coming in over the telephone receivers is exactly the same as that of a crystal detector. The sound is sharper and clearer than the ordinary electrolytic type.

The RadioSon can only be used with a 2,000-ohm head, or one with higher ohmage. Lower resistances than 2,000 ohms tend to shorten the life of the detector.

## "MIGNON" VARIO-SELECTIVE COUPLER (Patents Pending)

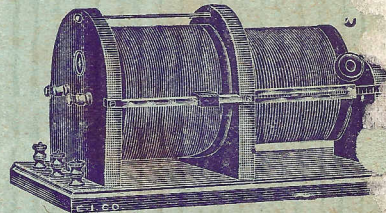
This outfit is used by the D. L. & W. Railroad to carry on long distance communication with trains in motion. The instrument is a selective inductive coupler of the cabinet type. All tuning is done by rotary switches. One of the switches has 25 contact points; the others 7 points each. This outfit can tune up to 3,000 meters. Finish is polished mahogany, hard rubber handles.



NO. 11000

Size 8 x 8 x 1 1/2".  
Weight 2 lbs. Especially useful for receiving time signals. Can be used with any Detector.  
Price ..... \$7.50

## "ELECTRO" PROFESSIONAL LOOSE



This instrument does anything and everything most expensive loose coupler will do. Made of mahogany, hand rubbed piano finish. Large size primary, secondary, slider on primary, ingenious new secondary slider with graduated scale on secondary. Secondary made of moulded composition. Primary and secondary wire wound after latest process. You must see this instrument to appreciate the value. Size 15 1/2 x 7. Shipping weight 10 lbs.  
Price .....

# 2nd Year - THE ELECTRICAL EXPERIMENTER

**50c. The Copy** "THE EXPERIMENTER'S MAGAZINE" Trade Mark **50c. Year**  
The big electrical magazine, 80 per cent. of which is wireless. More original wireless news than any other publication. Size is 9x12". From 50 to 75 original illustrations a month; 16 to 24 pages monthly. A unique magazine, in all respects. Ninety-six per cent. of the magazine is text. Send for sample copy. Subscription price 50c. a year in U. S. Foreign 75c.

## MARVELOUS DETECTOR OFFER

The E. I. Co. has always been known for giving the greatest values at the lowest possible price, but we have never been known to make any such unheard of, truly marvelous offer as the one we are making now. Think of it:—

Our reason for offering a detector at such a preposterous price may be explained in one word:—**Advertising.** Our object is to get one of these Detectors into the hands of every person interested in Wireless. If this little detector says a good word for us once in a while, its purpose has been accomplished and we think we have been well repaid for our loss in selling it at 10 cts., for it goes without saying that the detector, including packing, handling and postage costs us more than 10 cts.—a good deal more.

Here is what we give you for 10 cts.—Solid black fibre base 1 1/2"x1 1/4". A piece of sensitive Galena mounted in the nickel detector cup. This cup is also a binding post and the connecting wire is fastened by means of set screw. Sliding nickel rod is embedded in solid hard rubber handle 3/4" in diameter. At the other end of the rod is fastened the phosphor bronze "Cat-Whisker" wire. The sliding rod slides in the nickel spring standard, which also forms a binding post at the same time.

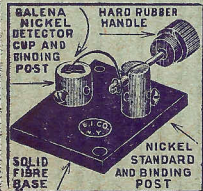
The price of this detector, as described, including free delivery to you is 10 cts.

No matter if you have a dozen detectors, you will want this one. It is the neatest little instrument you ever saw and it works as well as a \$10.00 one.

**FREE** with Detector a copy of our famous electrical cyclopaedia No. 14, containing 400 illustrations, 1,600 articles, "Treatise on Wireless Telegraphy," 20 coupons for free Wireless Course, also miniature copy of "The Electrical Experimenter." If detector is not wanted send 3 cts. for other books.

Everything for the Experimenter

THE ELECTRO IMPORTING CO., 226 Fulton Street, New York,



RADIO STATIONS OF THE UNITED STATES. Revised Government List.

INTRODUCTION.

This list, corrected to Jan. 1, 1914, 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 all 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 Circular of April 23, 1913. The distribution of call letters among nations thus authorized is printed below for the guidance of all stations, ship and shore, of the United States.

- A ..... All to Germany and protectorates.
B ..... All to Great Britain.
CAA to CMZ ..... Not yet assigned.
CNA to CNZ ..... Morocco.
COA to CPZ ..... Chile.
CQA to CQZ ..... Monaco.
CRA to CTZ ..... Portugal and colonies.
CUA to CUZ ..... Not yet assigned.
CVA to CVZ ..... Roumania.
CWA to CWZ ..... Uruguay.
CXA to CZZ ..... Not yet assigned.
D ..... All to Germany and protectorates.
EAA to EGZ ..... Spain and colonies.
EHA to EZZ ..... Not yet assigned.
F ..... All to France and colonies.
G ..... All to Great Britain.
HAA to HFZ ..... Austria-Hungary and Bosnia-Herzegovina.
HGA to HHZ ..... Siam.
HIA to HZZ ..... Not yet assigned.
I ..... All to Italy and colonies.
J ..... All to Japan and possessions.
KAA to KCZ ..... Germany and protectorates.
KDA to KZZ ..... United States.
LAA to LZZ ..... Norway.
LIA to LRZ ..... Argentine Republic.
LSA to LWZ ..... Not yet assigned.
LXA to LZZ ..... Bulgaria.
M ..... All to Great Britain.
N ..... All to the United States.
OAA to OFZ ..... Not yet assigned.
OGA to OMZ ..... Austria-Hungary and Bosnia-Herzegovina.

- ONA to OTZ ..... Belgium and colonies.
OJA to OZZ ..... Denmark.
OJA to PIZ ..... Netherlands.
PIA to PIM ..... Curacao (Dutch).
PIN to PJC ..... Surinam (Dutch).
PKA to PMZ ..... Dutch East Indies.
PNA to PZZ ..... Not yet assigned.
Q ..... Reserved for code abbreviations.
R ..... All to Russia.
SAA to SMZ ..... Sweden.
SNA to STZ ..... Brazil.
SUA to SUZ ..... Egypt.
SVA to SZZ ..... Greece.
TAA to TMZ ..... Turkey.
TNA to TZZ ..... Not yet assigned.
UAA to UMZ ..... France and colonies.
UNA to UZZ ..... Austria-Hungary and Bosnia-Herzegovina.
VAA to VGZ ..... Canada (British).
VHA to VKZ ..... Australian Federation (British).
VLA to VMZ ..... New Zealand (British).
VNA to VNZ ..... South African Union (British).
VOA to VOZ ..... Newfoundland (British).
VPA to VSZ ..... British colonies not autonomous.
VTA to VWZ ..... British India.
VXA to VZZ ..... Not yet assigned.
W ..... All to the United States.
XAA to XCZ ..... Mexico.
XDA to XZZ ..... Not yet assigned.
YAA to YZZ ..... Not yet assigned.
ZAA to ZZZ ..... Not yet assigned.

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 and coast stations on the Atlantic coast and Gulf of Mexico.

(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 and coast stations on the Pacific coast and on the Great Lakes.

AMATEUR STATIONS.

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

(a) The call will consist of three items; number of radio district; followed by two letters of the alphabet. Thus, the call of all amateur stations in New England (which comprises the first district) will be 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, must not be 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 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, which will probably suffice for the amateur sending stations in most districts for some time to come.

(c) Radio inspectors will insert amateur station calls in station licenses according to this system, and will 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 of the station to which the call letters were 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) If 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 should be excluded the combinations SOS and PRB, all three-letter combinations beginning with QB 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 will be allotted by the Bureau of Navigation in a special manner to indicate, if practicable, the different radio districts over which such stations usually radiate messages, as well as to identify the stations.

#### 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 will be 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, of course, are possible. If more should prove necessary for any class in any district, a third letter will be added to the call.

The International List of Radio Stations of the World, third edition, English, is adopted as the official list. This list will include the stations of the United States, excepting amateurs, and contain additional information, such as geographical location, normal range in nautical miles, radio system, and rates.

Persons desiring this list should communicate direct with the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland. The price will be 60 cents per copy, not including postage. The rates of postage will be as follows: One copy, 24 cents; two copies, 32 cents; three copies, 48 cents. A subscription of 80 cents additional secures all supplements (postpaid) as issued from time to time until the next international list is published in the autumn of 1914. The stations of the United States will be printed in the first supplement.

Applications for the international list of call letters (stations of the world) should also be addressed to the International Bureau at Berne.

### U. S. LAND AND SHIP RADIO STATIONS.

#### 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 those of the general and restricted amateur grades. Special stations are grouped at the end of this list. b=ship stations; c=land stations.]

Call signal.	Name of station.	Classification.	Call signal.	Name of station.	Classification.
KDA	Philadelphia	b	KHA	Kariuk, Alaska	c
KDB	Caracas	b	KHB	Kogiung, Alaska	c
KDC	Douglas, Ariz.	c	KHC	Chgnic, Alaska	c
KDM	Maracaibo	b	KHF	Nushagak, Alaska	c
KDN	San Luis Obispo, Cal.	c	KHG	Clarks Point, Alaska	c
KDS	S. V. Luckenbach	b	KHJ	Koko Head, T. H.	c
KDT	Harry Luckenbach	b	KHK	Kahuku, T. H.	c
KDU	Juneau, Alaska	c	KHL	Lahaina, T. H.	c
KDV	Grayson	b	KHM	Lihue, T. H.	c
KDW	Boringuen	b	KHN	Kawaihae, T. H.	c
KDX	Bayamon	b	KHO	Kamakahai, T. H.	c
KDY	Yaquez	b	KHP	Daley City, Cal.	c
KDZ	Zulia	b	KHQ	Phoenix, Ariz.	c
KEB	Sabine	b	KHX	Naknek, Alaska	c
KEC	Concho	b	KHT	Helia Point, T. H.	c
KED	Denver	b	KIJ	James Duane	b
KEG	Rio Grande	b	KIT	Kake, Alaska	c
KEH	Nueces	b	KIU	Burnett Inlet, Alaska	c
KEJ	Alamo	b	KJA	Juulin, Alaska	c
KEK	San Marcos	b	KJB	Bunker Hill	b
KEM	Comal	b	KJD	North Land	b
KEP	Lampasas	b	KJW	Massachusetts	b
KES	San Jacinto	b	KJO	Old Colony	b
KEX	Los Angeles, Cal.	c	KJS	North Star	b
KEZ	Brazos	b	KKK	Antilles	b
KFA	City of Columbus	b	KKB	El Sol	b
KFB	City of Atlanta	b	KKC	Chalmette	b
KFC	City of Macon	b	KKD	Comus	b
KFD	City of Memphis	b	KKG	Topila	b
KFF	Frieda	b	KKL	El Alba	b
KFH	Herman Frasch	b	KKM	Momus	b
KFI	I. D. Fletcher	b	KKN	El Norte	b
KFJ	City of Augusta	b	KKO	Excelsior	b
KFK	City of Savannah	b	KKP	Proteus	b
KFP	Nacoochee	b	KKQ	El Sud	b
KFS	San Francisco, Cal.	c	KKR	Creole	b
KFT	Tasco	b	KKS	El Siglo	b
KFX	City of St. Louis	b	KKT	El Cid	b
KFY	City of Montgomery	b	KKU	El Mundo	b
KGA	Coamo	b	KKV	El Oriente	b
KGB	Carolina	b	KKW	El Valle	b
KGH	Hollister (near), Calif.	c	KKX	El Occidente	b
KGJ	San Juan	b	KKY	El Dia	b
KGP	Ponce	b	KKZ	El Rio	b
KGS	Senator Bailey	b			

U. S. LAND AND SHIP RADIO STATIONS.

KLS	Los Angeles, Cal.	c	KTA	Larimer	b
KMA	Allianca	b	KTB	Oklahoma	b
KMD	Cristobal	b	KTG	Shenango	b
KME	Maine	b	KTD	Ligonier	b
KMH	Panama	b	KTE	Winifred	b
KMS	Ancon	b	KTF	J. M. Guffey	b
KMV	Advance	b	KTG	Gelloli	b
KMX	Colon	b	KTH	Illinois	b
			KTI	Brilliant	b
KNA	Dorothy Bradford	b	KTJ	Comet	b
KNB	Lexington	b	KTL	Rayo	b
KNC	Concord	b	KTM	Eocene	b
KNE	Evelyn	b	KTN	Perfection	b
KNF	Carolyn	b	KTO	Astral	b
KNJ	New Jersey	b	KTP	S. O. Co. No. 94	b
KNK	New York	b	KTQ	City of Everett	b
KNL	Nelson	b	KTR	Radiant	b
KNM	Millinocket	b	KTS	Vesta	b
KNQ	Lucy Neff	b	KTT	Paraguay	b
KNR	Zealandia	b	KTU	Sun	b
KNS	Shinnecock	b	KTV	Toledo	b
KNT	Montauk	b	KTW	Deaware Sun	b
KNU	Carrie	b	KTX	Socony	b
KNW	Wyandotte	b	KTY	S. O. Co. No. 92	b
KNZ	America	b			
KOA	Hamilton	b	KUP	Pettibone	b
KOB	Princess Anne	b	KUT	Pan American	b
KOC	Jamestown	b	KVA	Apache	b
KOD	Jefferson	b	KVB	Arapahoe	b
KOG	Madison	b	KVC	Comanche	b
KOM	Monroe	b	KVF	Iroquois	b
KOS	Brunswick	b	KVG	Algonquin	b
KOV	Olivette	b	KVH	Huron	b
KOW	Mascotte	b	KVJ	Seminole	b
KOZ	Miami	b	KVK	Cherokee	b
KPA	Seattle, Wash.	c	KVL	Lenape	b
KPB	Ketchikan, Alaska	c	KVM	Mohawk	b
KPC	Astoria, Oreg.	c	KVU	Elmer A. Keeler	b
KPD	Friday Harbor, Wash.	c	KVZ	Relay	b
KPF	Forward	b	KWC	Morro Castle	b
KPH	San Francisco, Cal.	c	KWG	Seguranca	b
KPI	Avalon, Cal.	c	KWH	Havana	b
KPJ	San Pedro, Cal.	c	KWS	Saratoga	b
KPN	Eureka, Cal.	c	KWV	Vigilancia	b
KPP	Adams	b	KWX	Mexico	b
KPR	P. R. R. 707	b	KWY	Monterey	b
KPW	Cape Cod	b	KWZ	Esperanza	b
KPX	Marshfield, Oregon	c	KXA	Boston	b
KQB	Berkshire	b	KXB	City of Lowell	b
KQC	Cretan	b	KXC	Commonwealth	b
KQD	Dorchester	b	KXD	Maine	b
KQE	Essex	b	KXE	Mohawk	b
KQG	Gloucester	b	KXF	New Hampshire	b
KQH	Howard	b	KXG	Pilgrim	b
KQI	Indian	b	KXH	Plymouth	b
KQJ	Junlata	b	KXI	Priscilla	b
KQK	Kershaw	b	KXJ	Providence	b
KQL	Lexington	b	KXK	Puritan	b
KQM	Merrimack	b	KXL	City of Taunton	b
KQN	Nantucket	b	KXM	Mohegan	b
KQO	Ontario	b	KXN	New Haven	b
KQP	Parthian	b	KXP	Pequonnock	b
KQQ	Quantico	b	KXQ	Chester W. Chapin	b
KQR	Grecian	b	KXR	Richard Peck	b
KQS	Somerset	b	KYA	Atalanta	b
KQT	Tuscan	b	KYB	North Wind	b
KQX	Persian	b	KYC	Corsair	b
KQY	Powhatan	b	KYD	Cyprus	b
KQZ	Suwannee	b	KYE	Cassandra	b
			KYF	Florence	b
KRB	Governor Cobb	b	KYG	Wild Duck	b
KRC	Camden	b	KYH	Aloha	b
KRD	Belfast	b	KYI	Wakiva	b
KRE	Bay State	b	KYK	Kismet	b
KRF	Ransom B. Fuller	b	KYL	Lysistrata	b
KRH	City of Bangor	b	KYM	Columbia	b
KRI	City of Rockland	b	KYN	Niagara	b
KRJ	Relief	b	KYO	Noma	b
KRL	Louise	b	KYP	Oneida	b
KRN	Calvin Austin	b	KYR	Karina	b
KRO	Columbia	b	KYS	Sea Otter	b
KRP	Rescue	b	KYT	Vanadis	b
KRQ	I. J. Merritt	b	KYU	Mohawk	b
KRR	Mills	b	KYV	Adventuress	b
KRS	Savage	b	KYW	Warrior	b
KRV	Governor Dingley	b	KYX	Wana	b
KRY	City of Baltimore	b			
KRZ	City of Norfolk	b	NAA	Arlington, Radio, Va.	c
			NAB	Portland, Me.	c
KSD	San Diego, Cal.	c	NAC	Portsmouth, N. H.	c
KSF	Finland	b	NAD	Boston, Mass.	c
KSH	Kroon and	b	NAE	Cape Cod, Mass.	c
KSL	St. Louis	b	NAF	Newport, R. I.	c
KSM	Philadelphia	b	NAG	Fire Island, Long Island, N. Y.	c
KSN	New York	b	NAH	New York (Brooklyn), N. Y.	c
KSO	St. Paul	b	NAI	Philadelphia, Pa.	c
KSS	So. San Francisco, Cal.	c	NAK	Annapolis, Md.	c
KSV	City of Richmond	b	NAL	Washington, D. C.	c
KSW	City of Annapolis	b	NAM	Norfolk, Va.	c
KSX	Alabama	b	NAN	Beaufort, N. C.	c
KSY	Florida	b	NAD	Charleston, S. C.	c
KSZ	Virginia	b	NAP	St. Augustine, Fla.	c

**U. S. LAND AND SHIP RADIO STATIONS.**

NAQ	Jupiter, Fla.	c	NLF	Kukin	b
NAR	Key West, Fla.	c	NLH	Patterson	b
NAS	Pensacola, Fla.	c	NLI	Explorer	b
NAT	New Orleans, La.	c	NLK	Bache	b
NAU	San Juan, P. R.	c	NMA	Nehraska	b
NAW	Guantanamo Bay, Cuba	c	NMB	Nero	b
NAX	Colon, Panama Canal Zone	c	NME	New Hampshire	b
NAY	Porto BeLo, Republic of Panama	c	NMF	New Jersey	b
NBH	Ajax	b	NMG	New Orleans	b
NBI	Alabama	b	NMN	North Carolina	b
NBJ	Albany	b	NMO	North Dakota	b
NBL	Alert	b	NMS	Neptune	b
NBP	Ammen	b	NMW	Ohio	b
NBR	Annapolis	b	NMZ	Oregon	b
NBU	Buffalo	b	NNA	Brutus	b
NBV	Arkansas	b	NNK	Nanshan	b
NCF	Bailey	b	NOA	Osceola	b
NCH	Baltimore	b	NOB	Abarenda	b
NCL	Beale	b	NOC	Orion	b
NCM	Birmingham	b	NOG	Paducah	b
NCV	Burrows	b	NOJ	Panther	b
NCY	Caesar	b	NOK	Patterson	b
NCZ	California	b	NOL	Patapsco	b
NDA	Castine	b	NOM	Patuxent	b
NDB	Ce.tic	b	NON	Paulding	b
NDG	Chester	b	NOP	Paul Jones	b
NDH	Cheyenne	b	NOY	Pittsburgh	b
NDI	Chicago	b	NOZ	Peoria	b
NDL	Cincinnati	b	NOA	Perkins	b
NDM	Cleveland	b	NOB	Perry	b
NDN	Co.orado	b	NOZ	Petrel	b
NDQ	Connecticut	b	NPA	Cordova, Alaska	c
NDU	Culgoa	b	NPB	Sitka, Alaska	c
NDY	Cyclops	b	NPC	Bremerton, Wash.	c
NEK	Delaware	b	NPD	Tatoosh, Wash.	c
NEM	Denver	b	NPE	North Head, Wash.	c
NEN	Des Moines	b	NPF	Cape Blanco, Oreg.	c
NEP	Dixie	b	NPH	Mare Island, Cal.	c
NEQ	Dolphin	b	NPI	Farallons, Cal.	c
NET	Drayton	b	NPL	Balboa, Panama Canal Zone	c
NFC	Eagle	b	NPK	Point Arguello, Cal.	c
NFD	Elicano	b	NPL	San Diego, Cal.	c
NFE	Charleston	b	NPM	Honolulu, T. H.	c
NFM	Fanning	b	NPN	Guam, Marianas (Ladrones)	c
NFR	Florida	b	NPO	Cavite, P. I.	c
NFS	Flusser	b	NPP	Peking, China	c
NGD	Galveston	b	NPQ	St. Paul, Pribilof Islands, Alaska	c
NGF	Georgia	b	NPR	Dutch Harbor, Alaska	c
NGH	Glacier	b	NPS	Kodiak, Alaska	c
NGI	Chattanooga	b	NPT	Olongapo, P. I.	c
NGJ	Goldsborough	b	NPV	Unalga, Alaska	c
NGU	Hannibal	b	NPW	Eureka, Cal.	c
NGX	Hector	b	NPY	St. George, Pribilof Islands, Alaska	c
NGY	Helena	b	NQF	Pompey	b
NHA	Henley	b	NQK	Potomac	b
NHC	Hopkins	b	NQM	Prairie	b
NHE	Hull	b	NGN	Prairie	b
NHN	Idaho	b	NGO	Preston	b
NHO	Illinois	b	NQP	Princeton	b
NHQ	Indiana	b	NQR	Prometheus	b
NHT	Iowa	b	NRA	Algonquin	b
NHU	Iris	b	NRB	Bea	b
NHV	Iroquois	b	NRC	Morrill	b
NIB	Jarvis	b	NRD	Androscoggin	b
NID	Jenkins	b	NRE	Seneca	b
NIE	Jouett	b	NRF	Snomish	b
NIG	Kansas	b	NRG	Gresham	b
NIP	Kearsarge	b	NRH	McCulloch	b
NIQ	Kentucky	b	NRI	Itasca	b
NIW	Lamson	b	NRJ	Woodbury	b
NIY	Lawrence	b	NRK	Tahoma	b
NIZ	Lebanon	b	NRL	Tuscarora	b
NJB	Louisiana	b	NRM	Mohawk	b
NJH	Macdonough	b	NRN	Manning	b
NJL	Maine	b	NRP	Onondaga	b
NJQ	Marietta	b	NRQ	Apache	b
NJR	Mars	b	NRR	Miami	b
NJS	Maryland	b	NRS	Pamlico	b
NJT	Massachusetts	b	NRT	Seminole	b
NJU	Mayrant	b	NRU	Thetis	b
NJV	Mayflower	b	NRV	Acushnet	b
NJW	McCall	b	NRW	Winona	b
NJZ	Michigan	b	NRW	Windom	b
NKD	Minnesota	b	NRX	Unalga	b
NKE	Mississippi	b	NRY	Yamacraw	b
NKF	Missouri	b	NSQ	Smith	b
NKJ	Monadnock	b	NST	Solace	b
NKL	Monaghan	b	NSW	South Carolina	b
NKM	Montana	b	NSX	South Dakota	b
NKN	Monterey	b	NTA	Ontario	b
NKO	Montgomery	b	NTB	Sterrett	b
NKY	Nashville	b	NTC	Stewart	b
NKZ	Navajo	b	NTD	Rainbow	b
NLA	Nantucket Shoals Lightship, off New- port, R. I.	c	NTE	Raleigh	b
NLB	Diamond Shoals Lightship, off Cape Hatteras, N. C.	c	NTF	St. Louis	b
NLC	Frying Pan Shoals Lightship	c	NTG	Sonoma	b
			NTI	Stringham	b
			NTK	Supply	b
			NTL	Slyph	b

U. S. LAND AND SHIP RADIO STATIONS.

NTP	Salem	b	WDU	Puritan	b
NTQ	San Francisco	b	WDV	City of Benton Harbor	b
NTR	Saratoga	b	WDW	Holland	b
NTT	Scorpion	b	WDY	Lydonia	b
NTU	Reid	b	WEA	City of Cleveland III.	b
NTX	Rhode Island	b	WEG	City of Mackinac II.	b
NTZ	Roe	b	WEG	City of Detroit II.	b
NUA	Tacoma	b	WED	Western States	b
NUG	Tallahassee	b	WEE	Eastern States	b
NUG	Tennessee	b	WEF	City of Detroit III.	b
NUI	Terry	b	WEG	City of St. Ignace	b
NUN	Tonopah	b	WEH	City of Alpina II.	b
NUQ	Trippe	b	WEJ	Nyack	b
NUS	Truxton	b	WEK	Minnesota	b
NVE	Utah	b	WEL	E. G. Crosby	b
NVK	Vermont	b	WEN	North American	b
NVM	Vesuvius	b	WEP	El Paso, Texas	c
NVN	Vicksburg	b	WEQ	Col. James M. Schoonmaker	b
NVP	Villalobos	b	WER	William P. Snyder	b
NVR	Virginia	b	WES	William P. Snyder, Jr.	b
NVT	Vulcan	b	WET	Shenango	b
NWD	Warrington	b	WEU	Wilpen	b
NWE	Washington	b	WEW	Marquette & Bessemer No. 1	b
NWG	West Virginia	b	WEX	Marquette & Bessemer No. 2	b
NWH	Wheeling	b	WEY	Alvina	b
NWI	Whipple	b	WEZ	Ashtabula	b
NWK	Wilmington	b	WFA	Georgia	b
NWL	Waikē	b	WFB	Alabama	b
NWN	Wisconsin	b	WFC	Indiana	b
NWQ	Wyoming	b	WFD	Iowa	b
NXS	E-1	b	WFE	Carolina	b
NXT	E-2	b	WFF	Fort Worth, Texas	c
NZY	Washington, D. C.	c	WFG	Arizona	b
NZZ	Tarragon	b	WFH	Virginia	b
WAA	Alameda	b	WFI	Chicago	b
WAB	Buckman	b	WFI	Christopher Columbus	b
WAC	Chicago	b	WFK	Frankfort, Mich.	c
WAD	Victoria	b	WFL	Sheboygan	b
WAE	Edith	b	WFM	Fort Morgan, Ala.	c
WAF	Admiral Farragut	b	WFN	Eastland	b
WAH	Dora	b	WFP	City of Erie	b
WAI	Latouche	b	WFO	City of Buffalo	b
WAJ	Jefferson	b	WFR	State of Ohio	b
WAL	Santa Ana	b	WFS	Seandbee	b
WAN	Northwestern	b	WFV	Manitou	b
WAO	Dirigo	b	WFX	Missouri	b
WAR	Cordova	b	WFY	Sialia	b
WAS	Admiral Sampson	b	WGA	City of Seattle	b
WAU	Dolphin	b	WGD	Delhi	b
WAV	Seward	b	WGE	Spokane	b
WAW	Watson	b	WGH	Grand Haven, Mich.	c
WAY	Admiral Dewey	b	WGI	Curacao	b
WAZ	Admiral Schley	b	WGM	Grand Marais, Minn.	c
WBA	Santa Clara	b	WGN	Santa Rosa	b
WBC	Santa Catalina	b	WGO	Chicago, Ill.	c
WBD	Santa Cruz	b	WGP	President	b
WBF	Boston, Mass.	c	WGU	City of Puebla	b
WBG	Troquois	b	WGR	Governor	b
WBH	Chippewa	b	WGS	Senator	b
WBK	Breakwater	b	WGT	Congress	b
WBL	Buffalo, N. Y.	c	WGU	Umatilla	b
WBM	Redondo	b	WGV	Galveston, Texas	c
WBN	Benton Harbor, Mich.	b	WGW	Grand Island, La.	c
WBO	Nann Smith	b	WGX	Queen	b
WBP	Hermosa	b	WGY	City of Topeka	b
WBQ	Yukon	b	WGZ	Guardian	b
WBR	Bertha	b	WHA	Cape Hatteras (Buxton), N. C.	c
WBS	Baltimore, Md.	c	WHB	New York, N. Y.	c
WBT	Binghamton, N. Y.	c	WHC	Columbia	b
WBV	Cabrillo	b	WHD	New York, N. Y.	b
WBW	Burrwood, La.	b	WHE	Philadelphia, Pa.	c
WBZ	Glory of the Seas	c	WHG	W. B. Flint	b
WCA	Tionesta	b	WHH	St. Francis	b
WCB	Juniata	b	WHI	New York, N. Y.	c
WCC	South Wellfleet, Mass.	c	WHJ	Sierra	b
WCD	Octorara	b	WHK	New Orleans, La.	c
WCF	Favortie	b	WHL	Ventura	b
WCG	Brooklyn, N. Y.	c	WHM	Sonoma	b
WCH	Boston, Mass.	c	WHN	Hanalei	b
WCM	Camnet, Mich.	c	WHP	Mariposa	b
WCN	North Land	b	WHQ	Mackinac Island, Mich.	c
WCT	Theodore Roosevelt	b	WHS	Adeline Smith	b
WCX	Cleveland, Ohio	c	WHT	Whittier	b
WCY	Cape May, N. J.	c	WHW	Mackinaw	b
WCZ	Illinois	b	WHX	Humboldt	b
WDA	Pere Marquette	b	WJX	Jacksonville, Fla.	c
WDB	Pere Marquette 19	b	WKD	Dakotan	b
WDC	Pere Marquette 17	b	WKG	Georgian	b
WDD	Pere Marquette 18	b	WKH	Honolulan	b
WDE	Pere Marquette 20	b	WKK	Kansas	b
WDI	City of South Haven	b	WKM	Minnesota	b
WDL	Lakeland	b	WKN	Montanan	b
WDM	Duluth, Minn.	b	WKW	Washingtonian	b
WDN	Ann Arbor No. 3	c	WLB	Beluga	b
WDO	Ann Arbor No. 4	c	WLC	New London, Conn.	c
WDP	Ann Arbor No. 5	c	WLD	Ludington, Mich.	c
WDR	Detroit, Mich.	c	WLI	Iaqua	b
WDS	City of Grand Rapids	b	WLN	Newton, Mass.	c
WDT	City of Chicago	b	WMA	Multnomah	b

U. S. LAND AND SHIP RADIO STATIONS.

WMB	Mobile, Ala.	c	WTB	Argyll	b
WMC	William Chatham	b	WTC	Lansing	b
WMD	Mary Dodge	b	WTD	Oleum	b
WME	Milwaukee, Wis.	b	WTE	Roma	b
WMI	Minnesota	b	WTF	Santa Maria	b
WML	Hyades	b	WTG	Santa Rita	b
WMM	Lurline	b	WTH	Washtenaw	b
WMN	Hilonian	b	WTI	Catania	b
WMO	Enterprise	b	WTK	J. A. Chanslor	b
WMP	Wilhelmina	b	WTM	W. S. Porter	b
WMQ	Matsonia	b	WTN	Wm. F. Herrin	b
WMT	Manoa	b	WTP	Scranton, Pa.	c
WMW	General Hubbard	b	WTR	El Segundo	b
WMX	Manitowoc, Wis.	c	WTS	Richmond	b
WMY	Manistique, Mich.	c	WTT	Col. E. L. Drake	b
WNB	Yucatan	b	WTT	Atlas	b
WNC	Oliver J. Olson	b	WTU	S. O. Co. No. 91	b
WND	Carlos	b	WTV	Captain A. F. Lucas	b
WNE	Windber	b	WTW	Maverick	b
WNF	Nshagak	b	WTX	Asuncion	b
WNG	Lyra	b	WTY	S. O. Co. No. 93	b
WNH	George W. Fenwick	b	WTZ	S. O. Co. No. 95	b
WNI	Lewis Luckenbach	b	WUA	Fort Andrews, Mass.	c
WNJ	Leelanaw	b	WUB	Fort Hancock, N. J.	c
WNK	Narajo	b	WUC	Fort H. G. Wright, New York, N. Y.	c
WNL	Al-ki	b	WUD	Fort Leavenworth, Kans.	c
WNO	Diamond Head	b	WUE	Fort Lovett, Me.	c
WNN	Corwin	b	WUF	Fort Monroe, Va.	c
WNO	A. G. Lindsay	b	WUG	Fort Monroe, Va.	c
WNP	Plelades	b	WUH	Fort Omaha, Nebr.	c
WNR	Rochelle	b	WUI	Fort Riley, Kans.	c
WNS	Kvichak	b	WUJ	Fort Sam Houston, Tex.	c
WNT	New York, N. Y.	c	WUK	Fort Stevens, Oreg.	c
WNU	New Orleans, La.	c	WUL	Fort Totten, N. Y.	c
WNV	Portland	b	WUM	Fort Wood, N. Y.	c
WNW	San Ramon	b	WUN	Fort Worden, Wash.	c
WNX	North and	b	WUO	Fort Winfield Scott, Cal.	c
WNY	St. Helens	b	WUP	Washington, D. C.	c
WOS	Samson	b	WUQ	Washington, D. C.	c
WOV	Venetia	b	WUV	Fort Leavenworth, Kans.	c
WPA	Santa Cruz	b	WVA	Circle City, Alaska	c
WPB	Tyce Junior	b	WVB	Fairbanks, Alaska	c
WPC	Tyce	b	WVC	Fort Egbert, Alaska	c
WPD	Tampa, Fla.	c	WVD	Fort Gibbon, Alaska	c
WPE	Tatoosh	b	WVE	Fort St. Michael, Alaska	c
WPG	Go-iah	b	WVF	Kotlik, Alaska	c
WPI	Independent	b	WVG	Nome, Alaska	c
WPK	Kingfisher	b	WVH	Nulato, Alaska	c
WPN	Pioneer	b	WVI	Petersburg, Alaska	c
WPQ	Zapora	b	WVJ	Wrangell, Alaska	c
WPR	Ensanada, Porto Rico	c	WVL	Fort Frank, P. I.	c
WPS	Starr	b	WVM	Fort Hughes, P. I.	c
WPW	Columbia	b	WVN	Fort Mills, P. I.	c
WPX	Oeonta	b	WVO	Davao, P. I.	c
WPY	Wallula	b	WVP	Fort Drum, P. I.	c
WPZ	Joseph Pulitzer	b	WVQ	Fort McKinley, P. I.	c
WQC	Camino	b	WVR	Fort Wint, P. I.	c
WQE	Edgar H. Vance	b	WVS	Jolo, P. I.	c
WQG	Greenwood	b	WVT	Malabang, P. I.	c
WQS	Speedwell	b	WVV	Manila, P. I.	c
WQT	Yosemita	b	WVV	Puerto Princesa, P. I.	c
WRA	Henry T. Scott	b	WVW	Zamboanga, P. I.	c
WRB	Berlin	b	WVX	Cuyo, P. I.	c
WRC	J. B. Stetson	b	WVY	San Jose, P. I.	c
WRD	Fifield	b	WVA	China	b
WRH	Harvard	b	WVB	Beaver	b
WRJ	Aroline	b	WWD	Bear	b
WRK	Falcon	b	WWE	Manchuria	b
WRM	Riverside	b	WFF	City of Para.	b
WRN	Nome City	b	WVG	City of Sidney	b
WRO	Isle Royal, Mich.	c	WWH	Newport	b
WRR	Roanoke	b	WVI	Pennsylvania	b
WRS	Santa Clara	b	WVJ	Peru	b
WRT	George W. Elder	b	WVK	Korea	b
WRU	Port Arthur, Texas	b	WVL	San Jose	c
WRV	Alliance	c	WVM	San Juan	b
WRW	F. A. Kilburn	b	WVN	Mongolia	b
WRY	Yale	b	WVO	Acapulco	b
WSA	Ashtabula, Ohio	c	WVP	City of Panama	b
WSB	Francis H. Leggett	b	WVQ	Aztec	b
WSC	Siasconet, Mass.	b	WVR	Rose City	b
WSD	Stanley Dollar	c	WVS	Kansas City	b
WSE	Seagate, N. Y.	c	WVU	Siberia	b
WSF	Grace Dollar	b	WXA	Buford	b
WSG	Norwood	b	WXB	Crook	b
WSH	Chehalls	b	WXC	Dix	b
WSI	Sault Ste. Marie, Mich.	c	WXD	Kilpatrick	b
WSJ	John A. Hopper	b	WXE	Liscum	b
WSK	Sagaponack, N. Y.	c	WXF	Logan	b
WSL	Sayville, Long Island, N. Y.	c	WYG	Meade	b
WSN	Centralia	b	WXH	McClellan	b
WSD	Coronado	b	WXI	Merritt	b
WSR	Rauce	b	WXJ	Sheridan	b
WSS	St. Nicholas	b	WXK	Sherman	b
WSV	Savannah, Ga.	b	WXL	Sumner	b
WSW	Willamette	b	WXM	Thomas	b
WSX	Klamath	b	WXN	Warren	b
WSY	Virginia Beach, Va.	c	WXR	Burnside	b
WSZ	Merced	b	WXS	Cyrus W. Field	b
WTA	Erskine M. Phelps	b	WXT	Joseph Henry	b



**U. S. LAND AND SHIP RADIO STATIONS.**

WYA	General Royal T. Frank.....	b	WYM	James Fornance .....	b
WYB	General S. N. Mills.....	b	WYN	Reno .....	b
WYC	Major Samuel Ringgold.....	b	WYO	Major Thomas .....	b
WYH	General Robert Anderson.....	b	WYP	Captain Barrett.....	b
WYI	Captain Chas. W. Rowell.....	b	WYT	Capt. A. M. Weehoull.....	b
WYJ	General A. M. Randoi.....	b	WZG	De Russey, T. H.....	c
WYK	General Harvey Brown.....	b	WZH	Fort Shafter, T. H.....	c
WYL	General R. B. Ayres.....	b			

**U. S. AMATEUR RADIO STATIONS.**

Registered with the U. S. Government.

**FIRST DISTRICT.**

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

ALPHABETICALLY BY CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
IAB	Brown, Philip T.	IHE	Lynde, Kenneth R.	IJK	Franke, Alfred A.	IIT	Scott, Ralph A.
IAC	Kennedy, Chester A.	IHF	Gardner, Chester R.	IJL	Gahn, Sebastian, jr.	IJU	Taylor, Frank J.
IAD	Smith, Edward S. C.	IHG	Cogswell, George R.	IJM	Cheever, Walter G.	IJV	Tufts, J. Warren.
IAE	Sterling, George E.	IHI	Burke, Alan W.	IJN	Bruce, Arthur O.	ILW	Van Brocklin, William
IAF	Hodgkins, Winfield C.	IHJ	Hunt, Albert W.	IJO	Snow, William B.		
IAG	Hutchins, Bay.	IHK	Denison, Horace W.	IJP	Decker, Clarence.	ITJ	Johnson, Alexander R.
IAH	Ward, Donald G.	IHL	Affel, Herman A.	IJQ	Hoffman, Frank E.	ITM	Mason, Lion G.
IAI	Brown, Olin C.	IHM	Mammott, Herbert M.	IJR	Delano, Edward C.	ITN	Mahoney, Charles J.
IAJ	Fabbrl, Alessandro.	IHN	Flood, J. F. J.	IJS	Powers, Leonard S.	ITO	Newton, Raymond C.
IAK	Tabbut, Arthur R.	IHO	Merrill, Clark B.	IJT	Carlson, Arthur G.	ITW	Watrous, Ralph C.
IAL	Wyer, Otis W.	IHP	Cromack, N. G. N.	IJU	Dane, Francis W.	IUA	Hargraves, Harold T.
IAM	Butler, Guy W.	IHQ	Broadley, Harry R.	IJV	Reuther, Henry.	IUB	Pease, Reginald M.
IAN	Pratt, Rhama W.	IHR	Elliott, Thomas H., jr.	IJW	Long, John J.	IUC	Creaser, Isaiah.
IAR	Rien, Marlon.	IHS	Shattuck, Herbert.	IJY	Herland, John N.	IUD	Donie, Harold P.
		IHT	Anderson, James H.	IJZ	Lanvette, Kenneth H.	IUE	Jette, George E.
IBA	Fitts, Harold W.	IHU	Upton, Harry E.			IUF	Perkins, Leonard M.
IBC	Dimick, Leon R.	IHV	Ryan, James A.	IKA	Stankey, H. E.	IUG	Bigelow, Fred C., jr.
IBM	Copps, John L.	IHW	Munroe, H. W. T.	IKB	Richards, W. T.	IUH	Handy, William R.
IBN	Shaw, Raymond H.	IHX	Leavitt, Elmer A.	IKC	Howe, Milton A.	IUI	Bailey, William M.
IBO	Canty, William R.	IHY	Bennett, Lawrence S.	IKD	David, Harold E.	IUJ	Ashworth, Harry.
		IHZ	Duncan, Harrie E.	IKE	De Mello, Edward.	IUK	Tutin, Kenneth A.
IGM	McLane, Henry R.			IKF	Pennypacker, Thomas R.	IUL	Bigelow, Clinton A.
IGB	Atkins, Harry C.	IIA	Saint James, Robert T.	IKG	Manning, Ralph K.	IUM	Miller, Bernard H.
IGC	Conrad, Philip W.	IIB	Richmond, Harold B.	IKH	Doten, H. B.	IUN	Henry, William E.
IGD	Howe, Reginald.	IIK	Stanyan, Starr W.	IKI	Loring, Wilfred B.	IUO	Doyle, John B.
IGV	Nelson, Rufus L.	IID	Keller, Adrian C.	IKJ	Anderson, Arvid E.	IUP	Trainor, Francis J.
IGW	Chase, Robert McC.	IIE	Keboe, Francis.	IKL	Edson, Allan W.	IUQ	Barth, Karl E.
IGX	Parker, George H.	IIF	Bennett, William F., jr.	IKM	Meehin, William J.		
IGY	Haselton, Page S.	IIG	Bveicht, Harlan A.	IKN	Wilkinson, John E.	IUR	Doherty, James E.
		IIH	Patten, Ernest L. O.	IKO	Bowen, Harold C.	IUS	Thorndike, Don G.
IGA	Snow, Harold C.	IIJ	Fulter, Clarence C.	IKP	Justice, Francis C.	IUV	Monahan, Edward M.
IGB	Blount, Henry G.	IIK	Fassitt, Ernest J., jr.	IQQ	Armstrong, James B.	IUW	Nilson, Arthur R.
IGC	Chadwick, Gilbert L.	IIK	Dallin, Edwin B.	IKR	Borden, Howard G.	IUX	Budlong, Clifton T.
IGD	Lanc, Frederick A.	IIW	Dean, Samuel W.	IKS	Seabury, William H.	IUY	Lippitt, Gorton F.
IGE	Wheeler, Fred L.	IIW	Conner, George W.	IKT	Benoit, Walter R.	IUZ	Honer, Arthur E.
IGF	Fowler, F. M.	IIO	Lanson, Horatio W.	IKU	Wenest, Earl H.		
IGH	Bibber, Harold.	IIO	Pratt, Walter.	IKV	Hurley, Albert V.	I VH	Hickmott, William J.
IGI	Morse, H. E.	IIQ	Leand, Harold.	IKW	Wood, James E.	I VL	Belknoo, Edward L.
IGJ	Daniels, Richard M.	IIQ	Lucey, Donald.	IKX	Batcheller, Arthur.	I VM	McGuire, William C.
IGK	Stanley, Lyman R.	IIS	Lewis, Minott W.	IKY	Bishop, Leon W.	I VN	Green, Louis.
IGL	Bush, Arthur W.	IIU	Leach, George.	IKZ	Fiske, John.	I VO	Haskell, Shirley D.
IGM	Allen, J. Wyman.	IIU	Barnes, Irving T.				
IGN	Smith, Malcolm H.	IIV	Church, Arthur E.	ILB	Blume, Carl.	IWB	Barnum, Roland E.
IGO	Estey, F. Clifford.	IIW	Snyder, William E.	ILC	Bowen, Arthur N.	IWJ	Barrett, John H.
IGP	James, Albert W.	IIW	Wilde, Phillips B.	ILE	Corney, Chester A.	IWN	Edwin Bancroft Foot-
IGQ	Westbrook, Leon R.	IIY	Ohlson, Olof.	ILF	Beverly High School.		Boys' Club.
IGR	Hodges, Duncan.	IIZ	Baxter, Horace M.	ILG	Corey, Frank J.	IWO	Post, Harold.
IGS	Hardy, Wilbur H.	IJA	Dimond, Fred A., jr.	ILH	Dickson, William E.	IWP	Cummings, Edward H.
IGT	Loomis, Arthur T.	IJB	Lord, Howland C.	ILJ	Fitch, Conover.	IWQ	Seeley, Arthur P.
IGU	Bernardin, L. A.	IJC	Fairbanks, Robert D.	ILM	King, Alexander R.	IWR	Sawtelle, Donald F.
IGV	Gavill, Wilbur W.	IJD	Collins, Lovejoy.	ILN	Knight, Hugh C.	IWS	Buffett, Salathiel.
IGW	Haddock, Charles C.	IJE	Hayward, Edward E., jr.	ILP	Newton Technical High	IWT	Salzgeber, John W.
		IJF	Snow, Albert E.		School.	IWU	Lucas, Orville.
IHA	Allison, William H.	IJG	Pratt, Fearing.	ILQ	Perry, Willard H.	IWX	Safrank, Jerry.
IHB	Burgess, Warren B.	IJH	Hubbard, Alen, jr.	ILR	Rawson, Homer E.	IWY	Hogson, Wallace.
IHC	Cheetham, Harry R.	IJI	Lawrence, Milford R.	ILS	Runey, Leon C.	IWZ	Davis, Maurice E.
IHD	Canfield, Donald 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 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 CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
2AA	Flagg, John H.	2AQ	Jones, Robert O.	2BC	Kaltenbach, Harry J., jr.	2BP	Phipps, Donald A.
2AB	Anderson, Lloyd C.	2AP	Smith, Irving R.			2BQ	Ingraham, Wallace.
2AC	Hart, Gifford R.	2AQ	Corson, David N.	2BD	Banta, Theodore C.	2BR	Krech, Carl G.
2AD	Dammers, Albert.	2AR	Hackmann, William J.	2BE	Yerbury, George S., jr.	2BS	Pearson, Herbert B.
2AE	Happe, William H.	2AS	De Yoe, Willard L.	2BF	Schell, Richard, jr.	2BT	Barrett, Howard A.
2AF	Bryant, Marquis V.	2AT	Guilf, Baldwin.	2BG	Moulton, Edward M.	2BU	Eltz, George J., jr.
2AG	Mulford, Harold C.	2AU	Bryan, Chester W.	2BH	Schulte, Carl.	2BV	Ashmail, William E., jr.
2AH	Eidelman, Abraham.	2AV	Buhlman, Charles F.	2BI	Morgan, Walter V.	2BW	Whison, John H.
2AI	Eber, John G.	2AW	Hall, Joseph H.	2BJ	Seaman, Chapman W.	2BX	Brick, Frank R.
2AJ	Mahr, George W.	2AX	Smith, David S.	2BK	Green, Adoniram J.	2BY	Keller, Julius F.
2AK	Ferris, Howard E.	2AY	Gittelbauer, Frederick.	2BL	Kirch, George.	2BZ	Lyman, C. Glenn.
2AL	Stanley, Walter N.	2AZ	Pearl, Eugene S.	2BN	Heermance, Earle.	2CA	Leidecker, Morris.
2AM	Haeselbarth, Percy.	2BA	Ash, Harry M., jr.	2BN	Griswold, Edmund J.	2CB	Schram, John, jr.
2AN	Sedlak, Conrad J.	2BB	Spahr, Clark H.	2BO	Schermerhorn, Howard F.	2CC	McKey, Dixie.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
2CD	Prosser, Rogers D.	2FR	Way, John D.	2JB	Schaefer, Charles L.	2ML	Quinby, E. J.
2CE	Muns, Robert.	2FS	Stanley, Howard L.	2JC	Cowan, Clarence.	2MM	Apgar, Charles E.
2CF	Demarest, Merritt.	2FT	Bishop, Mortimer.	2JD	Boeder, Arthur.	2MN	Carrougher, Vivian A.
2CG	Blodgett, Harry C.	2FU	Benzing, Herman.	2JE	Wendelstätt, Lucius F.	2MO	Ostman, Frederick B.
2CH	Driggs, Louis L., jr.	2FV	Behnken, Henry J.	2JF	Frey, Anthony C.	2MP	Pearsall, William E.
2CI	Austin, Edward.	2FW	Macpherson, Claude V.	2JG	Merrilweh, Randall W.	2MQ	Weber, Ernest A.
2CJ	Bathgate, Walter E.	2FX	Wilhelm, Frederick.	2JH	Brown, David S., 3d.	2MR	Atwater, Frank G., jr.
2CK	O'Brien, Thomas.	2FY	Hartman, Robert.	2II	Eddy, L. E.	2MS	Berri, Herbert.
2CL	Gibbers-vee, Louis C.	2FZ	Harris, Charles C.	2IJ	Webb, James L., jr.	2MT	Lech, Henry L.
2CM	Huebner, Curtis J.	2GA	Winn, Carl P.	2IK	Mitchell, Arthur M.	2MU	Hengerer, Howard B.
2CN	Dickey, Edward T.	2GB	Bartlett, Bernard W.	2IL	Brownell, Charles E.	2MV	Bell, Arthur E.
2CO	Morrill, W. Frank.	2GC	Sonn, Albert E.	2IN	Freeland, Wilbur W.	2MW	Crichton, Arthur M.
2CP	Totten, Elmer E.	2GD	Farquharson, John S.	2JO	Smith, Nelson V.	2MX	Heffernan, William J.
2CQ	Dig, A. Norman.	2GE	West, Thomas K.	2JP	Smith, Julius J. R.	2MY	Morris, Robert.
2CR	Blauwe, William M.	2GF	Gabrielson, Henry M.	2JQ	Merrill, Walter E.	2MZ	Noian, Charles C.
2CS	Pedersen, Guy O.	2GG	Dahlgren, Berger.	2JR	Dietz, Burr V.	2NA	Adickes, Ernest D.
2CT	Bunn, Milo B.	2GH	Kelling, Clarence A.	2JS	Bruns, Henry H.	2NB	LeGallez, Clayton B.
2CU	Palm and, Philip.	2GI	Bocklmann, Charles F.	2JT	Ladow, Arthur C.	2NC	Schm.d., Paul.
2CV	Waibel, Walter W.	2GJ	Beard, Gerald A.	2JU	Goette, C. J.	2ND	Schweizer, Charles L.
2CW	Hersh, Harry H.	2GK	Hubbard, John W.	2JV	Leat, Richard C.	2NE	Westerhoff, Peter, jr.
2CX	Van Dyke, John.	2GL	Marshall, Richard E.	2JW	Hofmann, Charles.	2NF	Homan, Eber J.
2CY	Tilton, Ernest R.	2GM	Ballard, J. Adams.	2JX	DeCortin, Gustav A.	2NG	Connavale, Alfonso.
2CZ	Poe, Vergil C.	2GN	Westman, Alexander.	2JY	Rupert, S. E. G.	2NH	Horn, Charles W.
2DB	Zuecker, Richard D.	2GO	Peltier, Paul D.	2JZ	Nay/or, Walker.	2NI	Mo'es, Charles E.
2DC	Kahn, Walter A.	2GP	Rutherford, T. Bruce.	2KA	Kroener, Christian.	2NJ	Burckett, Maxwell K.
2DD	Fitzgerald, Gordon P.	2GQ	Eckhardt, John.	2KB	Tyrrel, Randolph E.	2NK	Palm, J. Adam.
2DE	Ruttman, Ferdinand.	2GR	Stagle, Edwin L.	2KC	Werner, Charles M.	2NL	Burnett, Walter J.
2DF	McIntyre, Meybert A.	2GS	Dunn, Allison van V.	2KD	Browne, Walram S.	2NM	Sharp, Wadkin.
2DG	Higgs, Harry Y.	2GT	Noller, Charles, jr.	2KE	Frey, George.	2NN	Ruch, David E.
2DH	Ee lis, Wallace H.	2GU	Lewis, John A.	2KF	Searing, Hudson R.	2NO	Merritt, Frank.
2DI	Crylak, Ernest.	2GV	Landmark, Elmer S.	2KG	Wriggins, Charles A.	2NP	Koenig, George F.
2DJ	Schultz, Karl W.	2GW	Snowden, Fred.	2KH	Solberg, Walter.	2NQ	Isaacson, Charles B.
2DK	Hill, William S.	2GX	Fallon, Harry A., jr.	2KI	Uphoff, Leslie S.	2NR	Wohltmann, Henry M.
2DL	Price, Henry S.	2GY	Hill, Cedric S.	2KJ	Beebe, Lloyd S.	2NS	Hoffman, Paul J.
2DM	Sachs, Harold.	2GZ	Plate, Fred W.	2KK	Day, Howard B.	2NT	Reyl, George.
2DN	Culen, Edward R.	2HA	McCoy, Daniel.	2KL	Gregory, Arthur V.	2NU	Berglund, Edward A.
2DO	Gerrity, John J.	2HB	Northfield, L. E.	2KM	Francis, Charles.	2NV	Berel, George.
2DP	Coene, Edgar S.	2HC	Maun, Carl P.	2KN	Collison, Percy B.	2NW	Berel, Milton.
2DQ	Schwarzopf, Irving M.	2HD	Underwood, Kenneth C.	2KO	Stone, Brownell.	2NX	McBreury, William.
2DR	Cooper, Telfer F.	2HE	Sackett, Milton B.	2KP	McClure, Donald.	2NY	Austrian, Ralph B.
2DS	Clark, Le Roy.	2HF	Cooto, Charles W.	2KQ	Edwards, Harry M., jr.	2NZ	Freil, A. Leslie.
2DT	Shaw, Oswald M.	2HG	Peters, Frank J.	2KR	Lebowitz, Samuel.	2OA	Hammond, Lester.
2DU	Smith, Joseph T.	2HH	Dederick, H. C.	2KS	Shropshire, Lee R.	2OB	Fox, Loyal S.
2DV	Hathaway, Harry C. B.	2HI	Holler, Walter J.	2KT	Saulnier, Stanley G.	2OC	Erasmus Hall High School.
2DW	Halahan, John.	2HJ	Hadden, Walter J.	2KU	Jackson, Edward C.	2OD	Debusch, Edmund A.
2DX	Seyd, Ernest K.	2HK	Burrows, Henry P.	2KV	Rogers, Lory's A.	2OE	Walker, Raymond L.
2DY	Palmer, Corydon.	2HL	Schappel, August, jr.	2KW	Plummer, James A.	2OF	Meinecke, Ernest.
2DZ	Watters, John J.	2HM	Sands, Walter H.	2KX	Noble, Kendrick.	2OG	Cockaday, Lawrence M.
2FA	Williams, Earl C.	2HO	Lyons, William B.	2KY	McLaughlin, Robert J.	2OH	Lang, Ernest.
2FB	Love, Graham von S.	2HP	Mayhew, B. Alan, jr.	2KZ	Weldon, Charles.	2OI	Folias, Leslie E.
2FC	Thede, Fred.nand C.	2HQ	Maxwell, Howard B.	2LA	Miller, Frederick R.	2OJ	Tong, Myron A.
2FD	Winslow, Charles D.	2HR	Chandler, Arthur C.	2LB	Bertine, Edwin K.	2OK	Stanton, Walter.
2FE	Jacob, Charles F.	2HS	O'Mara, Edward F.	2LC	Roberts, A. Perry.	2OL	O'Brien, Laurence J.
2FG	Hurd, John B.	2HT	Macartney, George E.	2LD	Cotter, William F.	2OM	Maher, Frank A.
2FH	Wilmot, George B.	2HU	Hotchkiss, Grosveno.	2LE	Egolf, Richard S.	2ON	Kellow, James C.
2FI	Quirk, Henry U.	2HV	Zeitl, Edwin.	2LF	Bartlett, Charles H.	2OO	Zimmermann, Edwin W.
2FJ	Bechtloff, Claude B.	2HW	Barrett, L. W.	2LG	McLaughlin, Fred L.	2OP	Predergast, Robert M.
2FK	Fagan, James F.	2HX	Lane, David M.	2LH	Mcayres, Ralph A.	2OQ	Wesley, J. Melmoth.
2FL	Meyer, William E.	2HY	Noonan, Edward J.	2LI	Meacham, Frederick C., jr.	2OR	Vermily, Irving.
2FM	Crosby, Ray C.	2HZ	Reichfeld, Nicholas.	2LJ	Rodenburg, Herman.	2OS	Cohen, Walter.
2FN	Uzmann, J. George.	2IA	Royce, WinFred A.	2LK	De Baun, Harold J.	2OT	Urban, Ferdinand A.
2FO	Schneider, Alexander.	2IB	Oliver, George E.	2LL	Benedict, Alonzo R.	2OU	Sibert, Walter.
2FP	Mead, George S. V.	2IC	McGiehan, Donald C.	2LM	Dunn, Laurence J.	2OV	Lillefield, Charles E.
2FQ	Sched er, Herbert.	2ID	Reye, Stanley.	2LN	Morrison, Clifford P.	2OW	Rextrew, Walter C.
2FR	Backer, William.	2IE	Leimmon, Walter S.	2LO	Coffin, Russell S.	2OX	Mardon, F. Herbert.
2FS	Campbell, Robert, jr.	2IF	Werker, Charles A.	2LP	Green, R. J.	2OY	Jones, Frank.
2ET	Eng and, George B.	2IG	Merk, T. B. J.	2LQ	Belt, Charles E.	2OZ	Dufford, John S.
2EU	Dro le, George T.	2IH	Tense, William F.	2LR	Taussig, Charles W.	2PA	Carman, Newton I.
2EV	Hallok, Charles S.	2II	Howell, Walter J.	2LS	Summers, W. F.	2PB	Haight, Russell P.
2EW	Hamilton, Joseph E.	2IJ	Cochran, Alexander.	2LT	Galvin, Leo R.	2PC	Barriette, Samuel L.
2FX	Jackson, Benjamin B.	2IK	Howe, David D.	2LU	Baker, William N.	2PD	Schomp, Roy.
2FY	McKinney, Fred J.	2IL	McClintock, George C.	2LV	Stutz, Ernest W.	2PE	Fritch, Vincent J.
2EZ	Schupp, Charles H.	2IM	Spangenberg, Lester.	2LW	Bartel, J. F.	2PF	Pope, Frederick B.
2FA	Pfeifer, Clarence H.	2IN	Scodiff, Robert W.	2LX	Adelphi College.	2PG	Eckstein, William J.
2FB	Paris, Robert.	2IO	Scharrenbeck, George H.	2LY	Hoover, Raymond.	2PH	Blackburn, Godfrey C.
2FC	Meeseman, Julian A.	2IP	Robin, Rev. Fernand.	2LZ	Woodrow, William.	2PI	Evans, Clarence L.
2FD	Cheel, Harold W.	2IQ	Elliott, Paul C.	2MA	Hallenbeck, Charles.	2PJ	Thomas, Alonzo E., jr.
2FE	Tannenbaum, Harold.	2IR	Foulke, J. Brion, jr.	2MB	Villar, Laurence G.	2PK	Otten, G. C.
2FH	Weiss, Jacob.	2IS	Bicketts, Percy E.	2MC	Roberts, Irving J.	2PL	Lindsay, Daniel E.
2FI	Kirkpatrick, Louis W.	2IT	Young, Henry.	2MD	Pendleton, Harold A.	2PM	Sellers, Millard.
2FJ	Helg g, Herman F.	2IU	Hickman, Cedric A.	2ME	Archibald, John O.	2PN	Berger, H. C. V. B.
2FK	Hamilton, Ralph.	2IV	Windsay, Russell.	2MF	Hopock, Allen H.	2PO	Mott, Harold J.
2FL	Lehmann, August, jr.	2IW	Worth, John B.	2MG	Vaughan, George W., jr.	2PP	Maxwell, Edwin H.
2FM	Perkins, William P.	2IX	Bieck, Edward T.	2MH	Buchanan, William F.	2PQ	Monsen, Hans S.
2FN	Jamison, Herbert L.	2IY	Dugan, Edward W.	2MI	Morris, Earle S.	2PR	Dynner, Eugene.
2FO	Clark, William C.	2JA	Frazier, Frank.	2MJ	Williams, Roy D.	2SC	Constant, S. Victor.
2FP	Woerner, Charles A.	2JB	Story, Robert K., jr.	2MK	Smith, Daniel W.		

### 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 CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
3AA	Ashmore, John W.	3AE	Gaffney, James H.	3AI	Garrett, Curtis L.	3AM	Wise, Leonard J.
3AB	Butterworth, Horace D.	3AF	West, William M.	3AJ	Bausman, George H.	3AN	Walsh, Maurice L.
3AC	Simon, Henry.	3AG	Weant, Clarence H.	3AK	Duall, Edward B.	3AO	Collier, Wilbur H.
3AD	Phillips, William J.	3AH	Triede, Carl L.	3AL	Flentje, George F.	3AP	Patzschke, August.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
3AQ	Hogan, Harold O.	3EN	Bailey, Albert S.	311	Coin, Thornley.	3MD	Dulany, Franklin R.
3AR	Gilpin, Levering H.	3EO	Mater, Caleb R.	31J	Cooper, James W.	3ME	Lamola, Charles A.
3AS	Stumpfner, Albert G.	3EP	Kennedy, Joseph H.	31K	Snyder, Harry H.	3MF	Hitchner, Clyde G.
3AT	Parsons, Harry S.	3EQ	Mackendrick, Robert G.	31L	Pawson, James M.	3MG	Ferguson, William
3AU	Schultz, Henry.	3ER	Larrimore, James F.	31M	Mellon, Charles E.	3MH	Conover, George R.
3AV	Glasbush, H. Irving.	3ES	Martin, E. Linton.	31N	Vogel, Charles E.	3MI	Nash, Clifford S.
3AW	Ely, Harry S.	3ET	Fisher, Howes N.	31O	Groves, Fred G.	3MJ	Falconer, Norwood B.
3AX	Arner, Oscar Q.	3EU	Shelley, Cheston.	31P	Anderson, Albert.	3MK	Wilson, William P.
3AY	Blodgett, Charles L.	3EV	Brannan, Julian L.	31Q	Knoll, Lloyd M.	3ML	Kutz, Charles E.
3AZ	Gillingham, George L., jr.	3EW	Scheffey, Ralph.	31R	Wallace, Lewis J.	3MM	King, Albert.
		3EX	McIntyre, William.	31S	Weaver, Howard A.	3MN	Hollinshead, Norman B.
3BA	Anthony, Wm. H.	3EZ	Donovan, Edgar R.	31U	Sritzel, Alfred H.	3MO	Bickel, E. Clifton.
3BB	Kralovec, Dalibor.	3FA	Davis, Edwin.	31V	Hart, Regina, L., II.	3MP	Cohen, Henry.
3BC	Stephen, C. Chester.	3FB	Darby, George B., jr.	31W	Wilson, Willard S.	3MQ	Trumbower, Raymond.
3BD	Allen, Percival R.	3FC	Weik, Charles F.	31X	Mitchener, Harold G.	3MR	Barnhart, Lawrence W.
3BE	Critchlow, Samuel T.	3FD	Simon, Walter.		Philadelphia School of	3MT	Peck, G. Warren.
3BF	Teller, Leslie W.	3FE	Rabl, Samuel.		W.ress Telegraphy.	3MU	Eckard, Lewis D.
3BG	Clark, Edwin T.	3FF	Dempster, Warren J.	31Y	Tolbert, Warren.	3MV	Whitaker, Lorenzo D.
3BH	Deery, Bryan S.	3FG	Godfrey, James M.	31A	Faunce, B. Warren.	3MW	Polak, James L., jr.
3BI	Flathy, Walter J.	3FH	Smith, Sewall P.	31B	August, Earl W.	3MX	Stewart, George W.
3BJ	Henderson, Frank.	3FI	Wever, John A.	31C	Knebel, Arthur.	3MY	Wheeler, William A.
3BK	Brown, Merritt M.	3FJ	Huber, Francis M.	31D	Riley, Arthur J.	3MZ	Husted, Mortimer I.
3BL	Jaquett, Maurice J.	3FK	Schleher, Paul H.	31E	Wolcott, Roger G.		
3BM	Allen, George Y.	3FL	Wiler, William L.	31F	Dickerson, E. S., jr.	3NA	Zang, Joseph A., jr.
3BN	Heisley, George E.	3FM	Hartley, Milton E.	31G	Gooding, Frederick R.	3NB	Frye, Marcus, jr.
3BO	Brady, John B.	3FN	Deichmiller, Alvin.	31H	Scholl, Warren.	3NC	Dalling, Howard.
3BP	Blackwood, George E.	3FO	E. L. DuPont DeNemours	31I	Burdette, Aubrey W.	3ND	Hirst, Arthur C.
3BQ	Bugbee, Newton A.			31J	Bergmann, Frederick J.	3NE	Passano, Leonard W.
3BR	Crothers, Harry W.	3FP	Satterthwaite, Frank W.	31K	Wilson, Edward C.	3NF	Phobig, William T.
3BS	Wolff, William J.	3FQ	Krainger, James B.	31L	McCaskey, Edward R.	3NG	Bean, Roscoe D.
3BT	Hoffman, W. Hollis.	3FR	Denston, E. Craig.	31M	Freedom, Leon.	3NH	Bierfreund, Max A.
3BU	Cresse, Alfred J.	3FS	Durkee, Alfred C.	31N	Korab, Harry E.	3NI	Bel, Albert A., jr.
3BV	Bacon, Franklin F.	3FT	Dudley, De Witt C.	31O	Hicks, A. W., jr.	3NJ	Wicks, Preston S.
3BW	Campbell, John W.	3FU	Wunder, William F.	31P	Sterns, Morton W.	3NK	Godfrey, Howard L.
3BX	Carpenter, C. E., jr.	3FV	Edwards, Charles.	31Q	Benson, Thomas W.	3NL	Behm, L. F. F.
3BY	Statz, Henry M.	3FW	Hunter, Edwin J.	31R	Snow, Harold A.	3NM	Faneis, Anthony R.
3BZ	Leister, Fayette.	3FX	Hutchinson, Samuel J.	31S	Beekley, Francis C.	3NN	Bachert, Homer A.
		3FY	Core, Christopher W.	31T	Hampson, George M.	3NO	Sleath, Robert W.
		3FZ	Coney, Charles B.	31U	Fenimore, Robert S.	3NP	Jones, L. A. Frantz.
3CA	Adelberger, Adrian J.			31V	Lehr, William.	3NR	Morley, Augustin H.
3CB	Grant, Ulysses S.	3GA	Magee, John W.	31W	Broadbelt, J. Edward, J.	3NS	Ferris, Malcolm.
3CC	Jenkins, Russell L.	3GB	Rohrich, George J.	31X	Hoagland, Donald.	3NT	Radio Apparatus Co.
3CD	Michals, Herman L.	3GC	Knieremen, Joseph.	31Y	Hann, Charles B.	3NU	Rafferty, John A.
3CE	Fischer, George H., jr.	3GD	Hofmeister, Charles P.	31Z	Costella, Pietro.	3NV	Mitchener, Frederick D.
3CF	Laager, Creston F.	3GE	Doolittle, Charles M.			3NW	Robey, V. C. K.
3CG	Adelberger, Francis.	3GF	Blankenship, Elliott E.	3KA	McEuen, Earl W.	3NX	Burke, Thomas J.
3CH	Ferris, Malcolm.	3GG	Jones, Wintees.	3KB	Goodal, Alfred B.	3NY	Wells, John M.
3CI	Nordstrom, John W.	3GH	MacDonald, Stuart.	3KC	Kendall, Raymond V.	3NZ	Steele, Sherman E.
3CJ	Imfeld, Fred.	3GI	Pelham, Fred B.	3KD	Noel, James F.		
3CK	Moody, Matthew C.	3GJ	Sorenson, Christian.	3KE	Allen, Francis H.	3OA	Urner, Joseph W.
3CL	Coleman, Walter V.	3GK	Troth, Raymond H.	3KF	Green, Anthony J.	3OB	Kennedy, Ignatius L.
3CM	Van Horn, J. Clunn.	3GL	Meek, Michael.	3KG	Bogers, Alfred K.	3OC	Grover, H. Marshall.
3CN	Ashton, Leon W.	3GM	Fellows, J. Howard.	3KH	Roben, Albert.	3OD	Hemmmann, William C.
3CO	Campbell, James S.	3GN	Board of Public Education,	3KI	Stanley, Howard A.	3OE	Gray, Harry L.
3CP	Bunting, George M., jr.		Philadelphia, Pa.	3KJ	Worrest, George A.	3OF	Talbot, George L.
3CQ	Yeager, George B.	3GO	Norcross, Earl L.	3KK	Hofmann, George A.	3OG	Jones, John W.
3CR	Ellis, William G.	3GP	Amig, Edward P.	3KL	Wagner, William H.	3OH	Levy, Lewis.
3CS	Cochran, A. Robb.	3GQ	Miler, Kelly, jr.	3KM	Manzie, Nicholas.	3OI	Wolfe, Aubrey B.
3CT	Farnham, Henry A.	3GR	Wood, Richard M.	3KN	Barr, Richard H.	3OJ	Pool, J. Alexander.
3CU	Gauss, Harry W.	3GS	McCafferty, Rea B.	3KO	Chalmers, Edwin L.	3OK	Kerr, William C.
3CV	Kelley, George W., jr.	3GT	Searle, William J., jr.	3KP	Myers, Roy R.	3OL	Grant, Arthur F.
3CW	Lange, John R.	3GU	Hopkins, Robert E.	3KQ	Wexler, Bernard.	3OM	Mooney, John, jr.
3CX	Toboldt, William K.	3GV	Laber, Joseph M.	3KR	Rede, G. Ross.	3ON	Matos, Walter A.
3CY	Hubbs, Edwin E.	3GW	Frazier, George F.	3KS	Williams, John McC.	3OO	Hindin, Louis M.
3CZ	Wheatley, Douglas M.	3GX	Robinson, George C.	3KT	Holtzinger, Horace K.	3OP	Fink, Louis, 3d.
		3GY	Staub, James.	3KU	Reikestraw, Charles E., jr.	3OQ	Bryson, Harold E.
		3GZ	Laird, J. Ira.			3OR	Signor, Frederick H.
3DA	Peterson, Raymond E.	3HA	Wiseman, Luther B.	3KV	Van Duyn, Carlton.	3OS	Lafferty, Francis A.
3DB	Smiley, Richard E.	3HB	Taylor, S. L. Med.	3KW	Erickson, Alfred O.	3OT	Faust, Elmer J.
3DC	Bergen, Donald M.	3HC	Thackeray, Samuel J.	3KX	Knight, G. Webber, jr.	3OU	Schwering, Harry C., jr.
3DD	Work, Ashton G.	3HD	Larzelere, Lindley E.	3KY	Cole, Jesse James.	3OV	Singewald, Paul H.
3DE	Tallman, Frank G., jr.	3HE	Parks, Laurence W.	3KZ	Roberts, Harold A.	3OW	Patchel, Robert E.
3DF	Smith, Randolph.	3HF	Wakefield, C. Bishop.			3OX	Wick, Arthur.
3DG	White, Norman P.	3HG	Smith, W. P.	3LA	Levin, Davis.	3OY	Gompf, August P.
3DH	Stahl, Harry E., jr.	3HH	Place, Samuel W.	3LB	Hiddings, Frederick T.	3OZ	Colins, Benjamin W.
3DI	Lowell, Percival D.	3HI	Stapp, John W.	3LC	Eberly, Jacob A., jr.		
3DJ	Diggins, Edward P. G.	3HJ	Bradley, Horace E.	3LD	Pissani, Sylvester.	3PA	Schlichting, E. N. E.
3DK	Richardson, Thomas L.	3HK	Stokes, Josiah T.	3LE	Evans, J. Arthur.	3PB	Zorger, Daniel H.
3DL	Muniz, Manuel E.	3HL	Nielson, Harold, jr.	3LF	Shreiner, Carl H.	3PG	Abbott, E. H. B.
3DM	MacFeters, John.	3HM	Hickman, Paul.	3LG	Lyon, Harry H.	3PD	Meyer, Emil J.
3DN	France, A. Ward.	3HN	Schuck, Leon H.	3LH	Weiss, Leonard.	3PE	Bassett, William W.
3DO	Maxson, Donald L.	3HO	Fithian, William S., jr.	3LI	Downing, John S.	3PF	Postpichal, Otto Y.
3DP	McDonald, Lester B.	3HP	Duncan, Rodney P.	3LJ	Johnson, Harry F. W.	3PG	Proudiey, Charles E.
3DQ	Smith, G. Victor.	3HQ	Happold, Harold H.	3LK	Martin, Robert C.	3PH	Harris, Edwin R.
3DR	Eyster, James A.	3HR	Thornton, Earl H.	3LL	Van Horn, J. Orville.	3PI	Atloe, Franklin.
3DS	Parks, Walthar A.	3HS	Murray, Eugene M.	3LM	Faries, Walter R.	3PJ	Berman, Harry.
3DT	Wells, William C., jr.	3HT	Falconberg, August E.	3LN	Doyle, John E.	3PK	McGarr, Herbert K.
3DU	Bauman, F. J.	3HU	Palco, Louis.	3LO	Godfrey, Clarence M.	3PL	Ballantine, Charles S.
3DV	Uphoff, Frank B.	3HV	Sithens, Edward.	3LP	Densham, Harry W.	3PM	Lusse, Richard N.
3DW	Lowery, Norman S.	3HW	James, Herman.	3LQ	Birch, Stanford S.	3PN	Pemberton, Henry R.
3DX	Lukens, Wilfred P.	3HX	Kratz, Herman.	3LR	Cooper, William E.	3PO	Watson, James B.
3DY	Miller, Frederick E.	3HY	R. Schwein, Louis C.	3LS	Schramm, Fred A.	3PP	Skinner, William H.
3DZ	Fisher, Roy S.	3HZ	Huber, Charles E.	3LT	Erickson, John L., jr.	3PQ	Strieby, Malcolm.
3EA	Wright, Clifton P.	3IA	Good, Horace D.	3LU	Ellis, J. Elton.	3PR	Hahn, Clarence Le Roy.
3EB	Adam, Francis J.	3IB	Puff, Stephen F.	3LV	Griffin, Aloysius.	3PS	Hoit, Clarence J.
3EC	Giffin, Sidney H.	3IC	Morris, Edward P.	3LW	Waite, John W.	3PT	Cresager, C. Clark.
3ED	Priest, Thompson.	3ID	Hasenfus, Joseph F.	3LX	Knight, A. Stanley.	3PU	Smith, Hubert B.
3EE	Zinn, Richard S.	3IE	Jacobson, Bernard H.	3LY	Harris, William J.	3PV	Bunting, Theodore R.
3EF	Reiff, W. Norman.	3IF	Godfrey, Earle.	3LZ	McCullough, Earl N.	3PW	Field, Harry P.
3EG	Snyder, James R.	3IG	Johnson, Earle K.	3MA	Downes, Marlboro K.	3PX	Howard, H. Trumbull.
3EH	Powell, Edwin H.	3IH	Eisele, Edward, jr.	3MB	Zettlemoyer, Leroy.	3PY	Torristi, Salvatore.
3EI	Kumler, Kelvin C.			3MC	Wolf, Henry S.	3PZ	Griffith, Elmer G.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
30A	O'Brien, Francis J.	30E	Richards, Cliff R., jr.	30I	Barnes, Donald K.	30M	Varnes, Earl W.
30B	Butterfield, Harold G.	30F	Haig, J. Donald.	30J	Crowley, Robert H.	30N	Zinszer, Harvey A.
30C	Lanning, John M.	30G	Landis, Harold O.	30K	Adams, Leslie H.	30O	Hake, Elias G.
30D	Rynick, George M., jr.	30H	Fusselman, John.	30L	Tapley, Robert E.	30P	Weber, Henry M.

#### 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 CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
4AA	Bradberry, Alfred S.	4AJ	Moore, Victor W.	4AT	Ehle, Frank R.	4BD	Speight, Marshall C.
4AB	Funk, Arthur.	4AK	Whiting, Charles T.	4AU	Avera, W. W.	4BE	Fowler, Carl A.
4AC	Rice, Eimer L.	4AL	Bangs, Phillip C.	4AV	Treisback, Robert T.	4BF	Rankin, Robert G., jr.
4AD	Steinhauser, Elmer.	4AM	Sebastian, Lawrence F.	4AW	Crevasse, Joe N.	4BG	Stanton, Alvin G.
4AE	Flagg, John F.	4AN	Adams, George G.	4AX	Gordon, Clarence M.	4BH	Wikle, James R.
4AF	Stringfellow, Fred.	4AO	Swearingen, Thos. J., jr.	4AY	Moseley, Charles V.	4BI	Kreis, Joseph W., jr.
4AG	Miller, Walter H.	4AP	Peer, Emmitt E.	4AZ	Dunk, Thomas R.	4BJ	Milam, Ralph L.
4AH	Jarvis, Parkhill O.	4AR	Marbury, Ralph E.	4BB	Rankin, Robert G., jr.	4BK	Simons, Mayrant.
4AI	Pope, Wilbur B.	4AS	Brandon, Beverly A.			4BL	Schoenwald, Byron B.

#### FIFTH DISTRICT.

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

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
5AA	Knight, Eugene B.	5AL	Reboul, Theophile.	5AW	McNeil, Ernest W.	5BG	Asscherick, Aime.
5AB	Scalco, Joe R.	5AM	Brownell, Harold S.	5AX	Bonnecaze, Leonce, jr.	5BH	Vogler, Robert L.
5AC	Budwig, Gilbert C.	5AN	Watkins, Will O.	5AY	Harris, Russell S.	5BI	Harrison, Jackson W.
5AD	Rorschach, Harold E.	5AO	Buster, John A.	5AZ	Adler, Leonard E.	5BJ	Hanz, Harry W.
5AE	Jones, Ralph.	5AP	Thompson, Vance.			5BK	Layton, Roy W.
5AF	Meyer, William F.	5AQ	Goldstein, Henry R.	5BA	Toups, Roy N.	5BL	Marks, George M., jr.
5AG	Martin, Stanley.	5AR	Bynon, Eugene T.	5BB	Behre, Joseph C.	5BM	Hayes, James J., jr.
5AH	Martin, Ben W.	5AS	Bastian, Royal R.	5BC	Amerine, William H.	5BN	Sa-zer, Harry S.
5AI	Ratcliff, Fred.	5AT	Vickers, Alwyn.	5BD	Csey, Robert H., jr.	5BO	Geiger, Henry.
5AJ	Albertson, Clarence E.	5AU	Gallo, Louis.	5BE	Mollenhauer, Arthur E.		
5AK	Daly, Thomas J. M.	5AV	Macke, William.	5BF	Bailey, Edward L.		

#### 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 CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
6AA	Aster, Alvin K.	6CC	Hileary, Frank J.	6EC	Burnett, Walter.	6GD	Day, Elwin C.
6AB	Valentine, Philip C.	6CD	Peterson, Waiter.	6ED	Flinnspach, J. Henry.	6CE	Gerlach, William G.
6AC	Capwell, Cebert.	6CE	Kilto, Carl.	6EE	Griffin, Clyde S.	6CF	Farmer, Gordon.
6AE	Pinard, Vivian E.	6CF	McClatchy, Keith.	6EF	Dawson, Percy.	6GG	Gildersleeve, Given.
6AF	White, Clarence E.	6CG	Harty, Courtenay E.	6EG	Aten, Arthur B.	6GH	Stricker, George H., jr.
6AG	Chamberlain, Leon H.	6CH	Hann, John K.	6EH	Hall, Edward.	6GI	Spelt, George S.
6AH	Kessel, James H.	6CI	Weber, Anton.	6EI	Young, Bert C.	6GJ	Gaugh, H. E. F.
6AI	Moore, Ernest.	6CJ	Stowe, Theodore E.	6EJ	Bean, Arthur E.	6GK	Parkin, Miss G. Ladsy K.
6AJ	Bean, James.	6CK	Kinsel, Charles M.	6EK	Eiferle, Chrissie.	6GL	Van Anken, George L.
6AK	Wright, John W.	6CL	Walters, Clarence.	6EL	Le Fevre, Eugene.	6GM	McPhail, Graham H.
6AL	Brandis, Fred A.	6CM	Stock, Reinhold F.	6EM	Marlin, Evan M.	6GN	Rose, George E.
6AM	Baekley, Ernest W.	6CN	Storm, Hans O.	6EN	de Neuf, Emil A.	6GO	Goss, William.
6AN	Guidotti, W. F.	6CP	Lowe, William E.	6EO	Blake, Albert W.	6GP	Post, George W.
6AO	Portal, Emile.	6CQ	Hanson, Earl C.	6EP	Davis, Elwood.	6GQ	Magee, Clark.
6AP	Brown, Victor.	6CR	Potter, Lee R.	6EQ	Maher, Zacheus J.	6GR	Rucker, George A.
6AQ	De La Cruz, George.	6CS	Webber, Franklin.	6ER	Bailey, Cecil.	6GS	Swartout, Glenn.
6AS	Soules, Ernest H.	6CT	Seidel, William E.	6ES	Schaefer, Carl.	6GT	Timmermann, Gustava.
6AT	Knowles, Raymond.	6CU	Maskey, Franklin.	6ET	Ferner, Paul R.	6GU	Garnett, Bernard A.
6AU	Clark, Paul.	6CV	Swinerton, Kenneth.	6EU	Rumble, Ernest.	6GV	Van Wagner, George.
6AV	Mocker, De Forest.	6CW	Lares, Herman.	6EV	Medaris, Eddie.	6GW	Werner, George W., jr.
6AW	Nosler, Claud E.	6CX	Frunk, Carl G.	6EW	Zahniser, Charles L.	6GX	Williams, George F.
6AX	Simney, Albert.	6CY	Cooper, Charles P.	6EX	King, William E.	6GY	Watter, Gilbert.
6AY	Tuggy, Arthur W.	6CZ	Everard, Charles E.	6EY	Werner, Edward A.	6GZ	Edgar, George P.
6AZ	Downing, Alan S.	6DA	Brown, Ralph E.	6EZ	Christie, Edwin.		
		6DB	Henry, Ralph E.	6FA	Arnberger, Frank, jr.	6HA	Niver, Henry A.
6BA	Wadsworth, Claude E.	6DC	Hibbard, Charles H., jr.	6FB	Faringer, Ernest.	6HB	Craig, Harold F.
6BB	Stevens, Russell.	6DD	Clark, Victor M.	6FC	Carey, Francis K.	6HC	Eastling, Harvey.
6BC	Oldham, William G., jr.	6DE	Curtis, Burbank.	6FD	Deardorf, Francis H.	6HD	Fleener, Harry.
6BD	Rogers, Stuart De Witt.	6DF	Vogely, Herbert H.	6FE	Felt, Clarence J.	6HE	Dilberger, Harold A.
6BE	Mitchell, John C.	6DG	Patton, Nelson.	6FG	Franger, Floyd.	6HH	Hollingsworth, Dale.
6BF	Powell, Meade W.	6DH	Grimes, W. Frank.	6FH	Grener, Donald K.	6HI	McIntosh, Harold St.
6BH	Williamson, Harry.	6DI	Cookson, Howard A.	6FJ	Barnum, Coit L.	6HK	Krauter, Howard R.
6BI	Moore, Ezra.	6DJ	Merritt, Lawrence G.	6FK	Frank, Walter.	6HL	Linhof, Harold R.
6BJ	Berlinger, Hall.	6DK	Westcott, Lawrence M.	6FL	Haneuf, Forrest E.	6HM	Manfelt, Harold.
6BK	Frost, William H.	6DL	Espe, Oliver E.	6FM	McNabb, Floyd R.	6HN	Heinz, Albert.
6BL	Kather, Karl E.	6DM	Archer, Robert.	6FN	Morris, Fred W.	6HO	Olschefska, Henry H.
6BM	Godwin, Merle H.	6DN	Barry, Gilbert.	6FO	Fones, Robert.	6HP	Pampinela, Harold.
6BN	Ballerin, Melvin.	6DO	Strader, William F.	6FP	Peterson, Frank E.	6HQ	Newton, Henry G.
6BO	Mattson, Stanley F.	6DP	Grundell, Herbert.	6FQ	Holt, Felix.	6HR	Royder, Herbert N., jr.
6BP	Bauer, Roy M.	6DQ	Holmes, Joseph J.	6FR	Rogers, Frank.	6HS	Schade, Henry.
6BQ	Baer, Charles M.	6DR	Sandham, Bert E.	6FS	Short, Frank A.	6HT	Thayer, Halsey.
6BR	Manasse, Merynn H.	6DS	Adams, Charles C.	6FT	Wiese, Fred T.	6HU	Unger, Harry J.
6BS	Davidson, G. E.	6DT	Underwood, Ernest G.	6FU	Bergstrom, Bernard.	6HV	Ferrill, Herbert E.
6BT	Rogers, Henry J.	6DU	Rigby, Townsend J., jr.	6FV	Brockett, Charles.	6HW	La Barre, Harold J.
6BU	Hosmer, Mery R.	6DV	Prosser, Norman.	6FW	Wisner, Fred L.	6HX	Taylor, Howard L.
6BV	Drake, Charles.	6DW	De Wald, Alfred.	6FX	Cross, Fred M.	6HY	Ebeling, Hyde S.
6BW	Hyde, Stanley E.	6DX	Wheelock, Charles D.	6FY	Buell, Clarence R.	6HZ	Hoffman, Harold.
6BX	Barrett, Eldridge D.	6DY	Beaman, David E.	6FZ	Uhl, Fred, jr.		
6BY	Barstow, William R.	6DZ	Caldwell, Duncan K.	6GA	Garratt, Edward D.	6IA	Miles, Frederick F.
6BZ	O'Neill, Frank M. J.	6EA	Seefred, Howard C. and Lyndon F.	6GB	Rowlus, Glen H.	6IC	Austin, Russell F.
				6GC	Hall, Gordon V.	6IE	Chambers, James.
6CA	Corby, Grant W.					6IF	Farwell, Iryn.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
6IG	Wallace, Edward.	6KY	Andrews, Harold S.	6NL	Horton, Stephen E.	6RU	Rowley, Burton H.
6IH	Hanson, Ralph L.	6KZ	Beaver, Gerald A.	6NM	Eldemiller, Charles H.	6RV	Francis, Ernest R.
6II	Ferguson, E. Franklin.	6LA	B'ockman, Lawrence G.	6NN	Nelson, Cyril B.	6RW	Weisbrod, Raymond H.
6IJ	Boehme, Herbert L.	6LB	Barton, Larry J.	6ND	Donaldson, Ernest S.	6RX	Gray, Harold G.
6IM	Matsuda, Fukuzo.	6LC	Comins, Frank L.	6NE	Wilson, J. Vernon.	6RZ	Riese, Paul E.
6IN	Knudsen, George.	6LD	Anderslin, Louis.	6NF	Francis, Ernest R.	6SB	Bisson, Charles S.
6IO	Buchanan, Roy J.	6LE	Lee, Daniel.	6NG	Johnson, J. William	6SC	Schroder, Harold.
6IQ	Cornell, Ezra B.	6LF	Alexander, Lee.	6NR	Selby, Charles J.	6SD	Northon, Selden.
6IR	Irey, Earl R.	6LG	Gianini, Leo G.	6NT	Adkins, Edward S.	6SE	Serex, John F.
6IS	Sawyer, Irving W.	6LH	Hunt, Lloyd F.	6NU	Midgley, Roland.	6SF	Mack, Franklin.
6IT	Winship, Leslie W.	6LI	Isaacs, Louis R.	6NV	Pressley, Jackson H.	6SG	Reiner, Rudolf.
6IU	McCleery, Ralph A.	6LJ	Oimstead, William H.	6NX	Calvert, Paul P.	6SH	Shippam, Cecil H.
6IV	Pierson, Walter.	6LK	McCargar, Lincoln.	6NY	Carroll, Elvin K.	6SI	Hoyt, Leander L.
6IW	Kreiss, Rudolph L.	6LL	Griffith, William M.	6NZ	Emmerling, Herbert J.	6SJ	Indart, Carl A.
6IX	McCreery, Maurice E.	6LM	Wattinell, Lloyd.	6OJ	Spencer, Oscar J.	6SK	Skaale, Arthur J.
6IZ	Leeper, Ernest W.	6LN	Van Cleave, Louis V.	6OS	Schneidemann, Oscar A.	6SL	Leach, Hazel P.
6JA	James, Charles V.	6LO	Lory, C. S.	6OT	Otto, Harry F.	6SM	Smith, Stanley P.
6JB	Brown, Julian T.	6LP	Gray, Clifford.	6OW	Welling, Orville E.	6SN	Sunderland, Arthur G.
6JC	Chase, John H.	6LQ	Lowe, Sam K.	6OY	Oyarzo, Ben.	6SO	Bunting, Howard S.
6JD	Battle, James W.	6LW	Guenther, Leo H.	6PA	Pattison, Alexander.	6SP	Peck, Sherman.
6JE	Welsh, John E.	6LS	Smelser, Laurel J.	6PB	Bradley, Phillip L.	6SQ	Fonseca, Arthur.
6JF	Forsburg, Joe A.	6LT	Downs, LaRoy.	6PC	Bekeart, Phillip K.	6SR	Russell, Solon Y.
6JG	Gould, Gordon.	6LU	Hoffman, Lucien C.	6PD	Pridham, Bertrand.	6SS	Morrow, James W.
6JH	Berry, Charles A.	6LV	Passage, Rave L.	6PE	Rogatsky, Carl H.	6ST	Evans, Bryan.
6JI	Jackson, Chester M.	6LW	Phelps, Allen G.	6PF	Allen, Preston D.	6SU	Sutherland, C.
6JJ	Jessup, John H.	6LX	Berlin, Latham.	6PG	Gillmore, Purcell.	6SV	Verney, Stanley S.
6JK	Klemgard, James G.	6LY	Ladley, Willie A.	6PH	Levinson, Charles A.	6SW	Anderson, Elroy E.
6JL	McGiffin, James.	6LZ	Slaght, Edward L.	6PI	Hyndman, Elmore.	6SX	Smith, Jesse A.
6JM	Michaels, Joe E.	6MA	Max, Charles A.	6PJ	McDonald, Byron C.	6TA	Thompson, Harold P.
6JO	Kjones, Clarence N.	6MB	Baden, Merle L.	6PK	Kyes, Percy L.	6TB	Boudinot, Truman E.
6JP	Richardson, Leslie	6MC	McGown, Dudley B.	6PL	Reilly, John P.	6TC	Fisher, Thomas A.
6JQ	Valentin, H.	6MD	Davids, Mark.	6PM	Bolton, Harold B.	6TD	Phelps, Carl A.
6JR	Stauffer, John.	6ME	Wilson, Maurice E.	6PN	Pearson, Harry.	6TE	Eisenbuth, Thomas V.
6JS	Silvershield, Bernhard	6MF	Aymar, Clarence A.	6PO	Drath, Walter J.	6TH	Hail, Thomas C.
6JT	Tibbitts, Jonathan C.	6MG	Gindemann, Melvern.	6PP	Mora, Frank S.	6TS	Schneider, Tony.
6JU	Fisher, Jules.	6MH	Hamilton, Martin E.	6PQ	Harvey, George C.	6TT	Tornat, Thomas.
6JV	Paul, Jack.	6MJ	Mirsky, Svyan L.	6PR	Preston, Alva W.	6TU	Turner, Forest B.
6JW	Gastman, Henry.	6MK	Jones, Myron A.	6PT	Nulsen, William B.	6UP	Creswell, Frank, jr.
6JX	Riley, William M.	6ML	Phillips, Manuel.	6PU	Lodge, Albert.	6V	Falk, Victor H.
6JY	Browne, G. R. A., jr.	6MN	Nichols, Myrwood.	6PV	Czapkay, Edward.	6VK	van Konigsberg, Charles.
6JZ	Charters, John E.	6MO	McKay, Malcolm.	6PW	Weymouth, Percy E.	6VL	Hancock, Hays D.
6KA	Valentin, H.	6MP	Maher, Edward T.	6PX	McCullough, Harold.	6WA	Anthes, William F., jr.
6KB	Lankston, Jesse M.	6MQ	Moore, Paul.	6QW	Waters, John E.	6WB	Booth, Wilber.
6KC	Dinley, Laurence J.	6MR	Saveker, William T.	6RA	Brandt, Robert L.	6WC	Cornish, Warren D.
6KD	Dutton, Kingsley.	6MS	Zangrart, Thomas J.	6RB	Brunter, Ralph.	6WD	Hensley, Will.
6KE	Dogan, Kenneth.	6MT	McRoberts, Lewis H.	6RC	Cook, Ralph.	6WE	Weddell, Clarence C.
6KF	Filben, Frank.	6MU	Carson, E. A.	6RD	Hogaboom, Raymond.	6WF	Ford, Walter B.
6KG	Tripp, Dwight K.	6MV	Wolfe, Raymond H.	6RE	Esplen, Elmer R.	6WG	Strong, William.
6KH	Philippi, Charles E.	6MW	Murray, Donald W.	6RF	Frier, Robert L.	6WH	Hill, William F.
6KI	Kispert, Charles H.	6MX	MacMullen, Gerald.	6RG	Downs, Robert.	6WI	Cusick, William.
6KJ	Mills, Eldon C.	6MY	Wood, Melvin S.	6RH	Hare, Ralph M.	6WJ	Buchtel, Warren.
6KK	Kincaid, Kenneth.	6MZ	Magill, Clyde.	6RI	Richman, Clinton.	6WK	Koerber, Walter A.
6KL	Laird, Kenneth V.	6NB	Johnston, Robert.	6RJ	Jones, Russell B.	6WL	Leland, Wallace H.
6KN	Everett, J. Victor.	6NC	McKimmis, Mark.	6RK	Kerns, Roy.	6WM	Morse, Willard A.
6KO	Nicholson, Knox W.	6ND	Neumann, Edward R.	6RL	Wiley, Ralph W.	6WN	Kelly, W. N.
6KP	Short, Ralph R.	6NE	Smith, Norman E.	6RM	McLaughlin, Richard A.	6WO	Mulford, Walter F.
6KQ	Heagney, E. mer D.	6NF	Breck, P. B.	6RN	Norton, Russell.	6WP	Donelson, William E.
6KR	Ward, Charles D.	6NG	Newbound, C. Percy.	6RO	Roussin, Cecil.	6WR	Biger, Anson S.
6KS	Center, Hugh.	6NH	Hillier, H. H.	6RP	Pittman, Roy F.	6WS	Schneider, William P.
6KT	Martin, Neal D.	6NI	Gerlach, Leonard.	6RQ	Richardson, Charles, jr.	6WU	Wulbern, Henry.
6KU	Miller, Walter G.	6NJ	Van Liew, Samuel C.	6RR	Waterman, Russell R.	6WV	Williams, Creah.
6KV	Vaughan, J. H.	6NK	Nilli, Emil.	6RS	Frerichs, Roy.	6WW	Webb, Walter R.
6KW	Vesper, Karl C.		Cunningham, Edward J.	6RT	Cornish, L. R.	6WY	Young, William H.
6KX	Fisk, Alfred C.		Roebig, Russell S.				

### SEVENTH DISTRICT.

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

ALPHABETICALLY BY CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
7AA	Skyles, Theron G.	7CB	Bennett, Cecil H.	7GW	Wilson, George D.	7ME	Elliott, Morton W.
7AB	Anderson, A. Fred S.	7CF	Farrar, Clyde.	7HB	Breum, Helmer O.	7MG	Gable, Martin.
7AC	Dailley, Arthur C.	7CG	Gillespie, Charles R.	7HD	Davis, Hubert A.	7MH	Middekauff, Mark H.
7AD	Douglas, A. Fred E.	7CH	Hansen, Carl L.	7HH	Hayden, Harold.	7MI	Minter, John W.
7AE	Thomas, Edward J.	7CL	Law, Charles J.	7HU	Hursh, Harold H.	7MM	Mathison, Martin J.
7AF	Scrutton, Gerald.	7CP	Peterson, C. Edward.	7HV	Hones, Henry L.	7ON	Nicholson, W. Otto.
7AG	Moe, George.	7CS	Snyder, Claude E.	7HW	Hove, Howard S.	7PK	Kemp, Philip.
7AI	Johnson, Clifford E.	7DJ	John, D. Morris.	7HS	Slocum, Herbert R.	7PR	Robinson, Philip F.
7AJ	Sorensen, Chester J.	7DM	Munkier, Barrett.	7HW	Winningham, Harold.	7RA	Roderstrom, George.
7AK	Koester, Alpha M.	7DS	Shingler, Don G.	7IN	Nelson, Ivan L.	7RB	Wormington, Ralph V.
7AL	Hansen, Arnold.	7EH	Lynch, Edward H.	7IB	O'Donoghue, Ivan.	7RC	Mood, George T.
7AM	Meehan, Andrew.	7EL	La Fine, Earl.	7IC	Blanchet, James J.	7RD	Montgomery, Jack H.
7AN	Do'loff, Ralph E.	7EP	Peterson, Edward T.	7JE	Colesworth, Joseph B.	7RE	Nitschke, Erville W.
7AO	Piercy, Russell H.	7ES	Schurck, Edward C.	7JF	Folen, Jonas H.	7RO	Grant, Robert E.
7AP	Crosley, Jack.	7FC	Colt, Fayette E.	7JH	Holt, John M., jr.	7SN	Norman, Stacy W.
7AQ	Helm, Paul E.	7FD	Horn, Frank E., jr.	7JJ	Johnson, Joseph E.	7SW	Swan, Emil.
7AR	Root, Dellmar A.	7FE	Mayer, Fred J.	7JM	Melhaven, John A., jr.	7TH	Hakanson, Thor.
7AS	Bird, Lester F.	7FH	Kyau, Francis M.	7JO	Methven, John H.	7VS	Small, Vincent.
7AT	Bennett, Henry.	7FI	Lee, Emery H. I.	7JP	Pennebaker, Kenneth T.	7WG	Goethlius, Walter L.
7AU	Jerome, Frank J.	7FJ	Butterfield, George H.	7L	Connell, Lorne L.	7WL	Lester, Warren C.
7AV	Root, Charles W.	7G	Henny, George C.	7LL	Leunard, Loyd P.	7WM	Moses, William.
7AW	Meals, Owen E.	7GC	Stamey, Gray G.	7LN	Nagle, Leo W.	7WR	Rogers, Wilber L.
7AX	Simson, A. Gall.	7GD	Hess, George F.	7LR	Ross, Lindsley W.	7WS	Sparrow, William I.
7AY	Pohl, Bertrand.	7GE	Johnson, Gale H.	7LU	Ludgate, Wallace G., jr.		
7AZ	Warner, Archie E.	7GF	Moore, Gale L.				
7BA	Elbon, Jennings.	7GJ	Sturley, G. W. F., jr.				
7CA	Spork, Carl.	7GS					

## 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 CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
8AA	Anderson, Sidney E.	8CD	Sachs, Gus.	8EG	Gebhard, Louis A.	8HF	Shaney, Aubrey A.
8AB	Barr, Forrest L.	8CE	Adler, Jerome.	8EH	Grove, Nelson B.	8HG	Schardt, Earl M.
8AC	Beeclaire, Lawrence.	8CF	Hull, Guy McC.	8EJ	Kolb, Edwin H.	8HH	Schoren, William E.
8AE	Berndt, William F.	8CG	Hull, Ralph.	8EK	Kumpf, Elmer H.	8HK	Spiller, Archibald G.
8AF	Brewer, George S.	8CH	Paul, James T.	8EL	Langenbach, Leo.	8HL	McCamon, Aurel.
8AG	Broome, Donald.	8CI	Richards, Theodore D.	8EM	Murphy, John V.	8HM	Lucas, Howard E.
8AH	Brown, Edward H.	8CJ	Andrews, William S.	8EN	Shepard, Charles A.	8HN	Selnske, Louis.
8AI	Charlton, Arthur F.	8CK	Smith, Roland C.	8EO	Stickney, Richard W.	8HO	Holt, George W.
8AJ	Clough, Bert E.	8CL	Smith, G. C.	8EP	Leighton, Clifford R.	8HP	Wilder, John H.
8AK	Cowell, Howard U.	8CM	Thorn, Thomas H.	8ER	Wells, R. Stuart.	8HR	Schouman, Hazen.
8AL	Converse, Frank S.	8CN	Sheppard, Hamilton W.	8ES	Van Hoesen, Claude L.	8HS	Berry, L. Mack.
8AM	Cornell, Merle H.	8CO	Sherrill, Alvin C.	8ET	Goettel, Edward V.	8HT	Romzick, Lawrence.
8AN	Davis, Frank.	8CP	Baker, Norman E.	8EU	Carson, William J.	8HU	Faroo, Glenn.
8AO	Deighan, Edward I.	8CQ	Brede, Erwin F.	8EV	Mason, Carl D.	8HV	Denniston, Harry J.
8AP	Dorsch, George.	8CR	Cook, Wilbur E.	8EW	Rubel, Henry M., jr.	8HW	Wellington, Vernon D.
8AR	Ela, Edward C.	8CS	Howland, Dean W.	8EX	Henlein, Carl A.	8HX	White, Chester A.
8AS	Feightner, Amos E.	8CT	Kreinbring, Walter F.	8EY	Blackmore, Andrew H.	8HY	Marshall, Floyd W.
8AT	France, William.	8CU	Smith, Arthur R.	8EZ	McConaughy, Mary Alice.	8IA	Bolton, Frederick R.
8AU	Frost, Harry E.	8CV	Smith, Lewis A.	8FA	Fender, Clinton H.	8IB	Mielke, Carl E.
8AV	Fullwood, William R.	8CW	Osborn, Burr K.	8FB	Britney, Dudley R.	8IC	Hill, Charles C., jr.
8AW	Gogel, Adelt J.	8CX	Phippeny, Forrest J.	8FC	Ho,den, Ira S.	8ID	Norris, George H.
8AX	Gentzsch, Leonard H.	8CY	Payne, Arthur F.	8FD	Walker, Carl.	8IE	Cross, Gorham L.
8AY	Grosse, Frederick W.	8CZ	London, Henry.	8FE	Finch, Brent S.	8IH	Marks, Theodore.
8AZ	Hansen, Edmund H.	8DA	Rathbun, Hugh T.	8FF	Kloepfer, Jay.	8II	Steim, L. Harold.
8BA	Hiller, Herbert A.	8DB	Felows, Bernard D.	8FG	Hewitt, Charles P.	8IJ	Dederich, Paul E.
8BB	Higbee, Glenn A.	8DC	Reb, Frank.	8FH	Haynes, William.	8IK	McJen, J. H.
8BC	Holt, Nelson E.	8DD	Watts, Felix J.	8FI	Burger, Richard W.	8IL	Williams, Burton P.
8BD	Hoch, Eilery T.	8DF	Orrell, Robert W.	8FJ	Clausing, Leroy.	8IM	Nichols, D. A.
8BE	Lippert, John P.	8DG	Bremer, Edmund.	8FK	Doneho, Gray G.	8IN	Miller, Kenneth.
8BF	Jarvis, Roy.	8DI	Barton, Charles E.	8FL	Jenkins, William E.	8IO	Roe, Howard L.
8BG	Kastenberg, Paul.	8DJ	Phillips, Glenn.	8FM	Olson, Milton E.	8IP	Trotter, Robert J.
8BH	Kingsbury, Kenneth.	8DK	Whitmoyer, Ralph.	8FN	Toland, Gerald.	8IQ	Richard, Roy H.
8BI	Kroeger, Gustav.	8DL	Sisson, William A.	8FO	Snyder, Norman G.	8IR	Miller, Arthur P.
8BJ	Kraus, Norman M.	8DM	Bruns, Carl H.	8FP	Snyder, Norman G.	8IS	Middleton, Charles.
8BK	Lyons, Henry E.	8DN	Knappen, Bert.	8FQ	Remorino, L. jr.	8IT	Cross, Gorham L.
8BL	Mogridge, Clarence J.	8DO	Wright, Claude B.	8FR	Brownell, Elmer.	8IU	Clarke, Andrew W.
8BM	Ogle, Harry B.	8DP	Lane, John C.	8FS	Wheat, G. F. Roy.	8IV	Scott, Gail.
8BN	Menges, William E.	8DQ	Wood, Corian C.	8FT	Spargo, James A., jr.	8IW	Wilson, Mark E.
8BR	Miner, Simeon.	8DR	Holmes, Charles E.	8FU	Blattner, E. Herman.	8IX	Newman, Arthur J.
8BS	Macer, Arthur J.	8DS	Moynahan, Roy D.	8FV	Whitehead, D. R.	8IY	Swain, Herbert N.
8BT	Lapp, Robert E.	8DT	Rogers, Grant.	8FW	Bachus, Harry F.	8IZ	Steinman, Dwight H.
8BU	Leyh, Edward L.	8DU	Downing, Harry E.	8FX	Bennett, Edward J.	8JA	Gunn, Ross.
8BS	Lueschen, C. D. G.	8DV	Cobb, Rupert.	8GD	Donnelly, John J.	8JB	Beare, George L.
8BT	Lovejoy, Julian.	8DW	Apger, Charles O.	8GH	Kneely, Truman J.	8JC	Schoenen, Edwin B.
8BU	Allonier, Howard R.	8DX	Porter, Harry T.	8GI	Green, Harold L.	8JD	Heiser, Ernest J.
8BV	Gale, Roy H.	8DY	Pancoast, Donald F.	8GJ	Henninger, Alan E.	8JE	Twitchell, Herbert D.
8BW	Herman, Harold.	8DZ	Williams, Homer.	8GK	Horn, Herbert E.	8JF	Pleckenop, Ernest.
8BX	Hubbel, Aaron W.	8EA	Mack, Clifford J.	8GL	Kneale, C. Kewley.	8JG	Lord, Donald M.
8BY	Schwindt, Herman J.	8EB	Munsell, Robert S.	8GM	Loehr, George E.	8JH	Edwards, C. Beaver.
8BZ	Shumard, Asbury.	8EC	Dunn, Frank L.	8GN	Moffet, Floyd E.	8JK	Jackson, Cotesworth M.
8CA	Stueve, Everett S.	8ED	Carver, Alfred J.	8GO	Pentland, Henry B.	8JL	Appleton, Francis W.
8CB	Thiessen, H. F. W.	8EE	Co'man, Clarence E.	8GP	Probeck, John.	8JM	Saunders, Norman W.
8CC	Kesel, George.	8EF	Dorst, Edward.	8HB	Poberts, Hayden P.	8JN	Howes, Stanley L.
						8JO	Little, Donald G.

## 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 CALL SIGNALS.

Call	Owner of Station	Call	Owner of Station	Call	Owner of Station	Call	Owner of Station
9AA	Klentz, Clarence.	9AY	Quinby, Porter H.	9BV	Van S'ycck, Wellington.	9CS	Ragan, Tate V.
9AB	Groskopf, William L.	9AZ	Gerhard, George J.	9BW	Reinhardt, William.	9CT	Wemher, Anthony A.
9AC	McChugge, William J.			9BX	Hantzsch, Ralph E.	9CU	Hieronimus, Thomas G.
9AD	Bryan, Stanley C.	9BA	Smith, Paul C.	9BY	Kennan, Richard C.	9CV	Hamilton, Leo L.
9AE	Gundlach, Waldo L.	9BB	Mattenheimer, Ervin B.	9BX	Van Deusen, Arthur S.	9CW	Egloff, Martin F.
9AF	Hollister, Harold A.	9BC	Thesing, Herman.			9CX	Haynes, Roy.
9AG	Marx, Gustav A.	9BD	Keeler, Fayette W.	9CA	Norene, Raymond E.	9CY	Wooster, Stanley W.
9AH	Thomas, Carroll W.	9BE	Myers, Delbert.	9CB	Lester, Curtis M.	9CZ	Joyce, Raymond A.
9AI	Cutting, Irving E.	9BF	Afanasiw, Nick.	9CC	Pierson, Oscar E.	9DA	Berger, Frank G.
9AJ	Siegel, R. C.	9BG	Connell, John F.	9CD	Moen, Vere.	9DB	Knotts, H. J. E.
9AK	Kottler, C. F.	9BH	Miller, R. Boyce.	9CE	Hansen, Leland H.	9DC	Wanner, Theodore L.
9AL	Schroeder, William.	9BI	Jens, Elmer.	9CF	Anderson, Adolf G.	9DD	Tschernitz, Frank.
9AM	Foster, Edwin J.	9BJ	Chapin, Edwin C.	9CG	Mahan, Joe R.	9DE	Jensen, Arnold L.
9AN	Willert, Charles J.	9BK	Clemens, G. H.	9CH	Rigin, Benjamin A.	9DF	Dangerfield, Alfred H.
9AO	Lipman, Theodore E.	9BL	Ferrie, W. B.	9CI	Johnson, August B.	9DG	Hilgenberg, Noble C.
9AP	Morgan, Hiram.	9BM	Shively, Roy J.	9CJ	Harry, Charles.	9DH	Kneahans, Irwin N. C.
9AQ	Riner, John A.	9BN	Flynn, John H., jr.	9CK	Lowie, Meredith B.	9DI	Cottrell, W. Roscoe.
9AR	Hines, Gene.	9BO	Fry, Claud.	9CL	Whitaker, Harold P.	9DJ	Biltonen, William A.
9AS	Billister, Royal D.	9BP	Getzck, Richard.	9CM	Klicpera, Milthart F.	9DK	O'Neil, Donald H. C.
9AT	Stetson, Donald T.	9BQ	Nelson, Eddie.	9CN	Cobb, Merle.	9DL	Goddell, Myron L.
9AU	Taylor, Thomas J.	9BR	Moore, Robert R.	9CO	Bantz, Russell.	9DM	Ziesenis, Harry.
9AV	Hamel, Walter H.	9BS	Jorgenson, Harold.	9CP	Held, William J.	9DN	Sears, Charles L.
9AW	Stewart, Albert H.	9BT	Duquette, Herbert E.	9CQ	Weyant, James E.	9DO	Snyder, W. Roy.
9AX	Fowler, Harry A.	9BU	Brown, Clarence L.	9CR	Buehner, Howard.	9DP	Clark, Bayard H.

## SPECIAL STATIONS.

This list consists of stations of the experimental, technical and training school, and special amateur grades.  
ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Name of station.	Classi- fica- tion.	Call signal.	Name of station.	Classi- fica- tion.
1XA	Amesbury, Mass.	c	4XG	Key West, Fla.	c
1XB	Boston, Mass.	c	4XL	Savannah, Ga.	c
1XC	Chelsea, Mass.	c	5ZD	Charleston, S. C.	c
1XH	Boston, Mass.	c	4YC	Memphis, Tenn.	c
1XI	Gloucester, Mass.	c	6XC	Oakland, Cal.	c
1XP	Cambridge, Mass.	c	6XL	Los Angeles, Cal.	c
1XW	Watchaug Pond, R. I.	c	6XR	Berkeley, Cal.	c
1YH	Cambridge, Mass.	c	6XT	Oakland, Cal.	c
1ZO	New Bedford, Mass.	c	6YE	Oakland, Cal.	c
2XD	Slingerlands, N. Y.	c	6YL	Los Angeles, Cal.	c
2XH	New York, N. Y.	c	6YS	San Diego, Cal.	c
2XN	New York, N. Y.	c	8XA	Ann Arbor, Mich.	c
2ZH	Nutley, N. J.	c	8YD	Detroit, Mich.	c
3XC	Philadelphia, Pa.	c	9XB	Beloit, Wis.	c
3XJ	Philadelphia, Pa.	c	9XD	Valparaiso, Ind.	c
3XR	Hyattsville, Md.	c	9XH	Kansas City, Mo.	c
3ZD	Riverdale, Md.	c	9YC	St. Louis, Mo.	c
3ZH	Washington, D. C.	c	9YI	Ames, Iowa.	c
3ZR	Baltimore, Md.	c	9YN	Grand Forks, N. Dak.	c
3ZS	St. Davids, Pa.	c	9ZE	Minneapolis, Minn.	c
4XA	Atlanta, Ga.	c			

## LIST OF AMATEUR RADIO STATIONS.

CALLS ALLOTTED BY THE WIRELESS ASSOCIATION OF AMERICA.

Where no watt ratings appear, the station is for receiving only.

Call	Owner of Station	Watts	Call	Owner of Station	Watts
AA	Anthony, H. M., Cambridge, Mass.		CI	Carron, C. M., Ogdensburg, N. Y.	
AB	Brockmeyer, E. W., St. Louis, Mo.		CJ	Welty, C. W., Pandora, Ohio.	
AC	Burgoyne, Ashby, Maysville, Ky.		CK	Cabic, W. G., East Toronto, Ontario, Canada.	550
AD	Buhlman, C. F., Allendale, N. J.		CL	Clair, J. M., Niagara-on-the-Lake, Ontario, Canada.	
AE	Hapeman, A. E., Waterbury, Conn.		CM	Chorpenning, C. M., Connellsville, Pa.	550
AF	Brown, Harold, Waterville, Me.		CN	Cook, Fred G., Callicoon, N. Y.	
AG	Belcher, E. H., Austin, Tex.		CO	Copp, Leonel, Wolfboro, N. H.	550
AH	Allimares, Henry, Long Island City.		CP	Cabezola, E. F., jr., Bayonne City, N. J.	60
AI	Bland, Chester E., Mattson, Ill.	40	CQ	Cook, J. W., Brunswick, Me.	550
AJ	Abbot, E. B., jr., Vineland, N. J.	40	CR	Carlson, H. W., Chicago, Ill.	
AK	Belmisch, E. A., Cedarburg, Wis.		CS	Christensen, W., Kansas City, Kan.	1,000
AL	Boyer, J. C., Alameda, Cal.	30	CT	Chelios, Thos., Toledo, Ohio.	
AM	Martins, A., Mayville, Wis.		CU	Compton, Robt., Augusta, Ill.	
AN	Hancock, A. E., Austin, Tex.	550	CV	Corthaus, A., Milwaukee, Wis.	80
AO	Higgy, Robert C., Lima, Ohio.	50	CW	Corby, Grant W., Los Angeles, Cal.	
AP	Wainwright, A. M., Baltimore, Md.		CX	Currie, F. T., Douglas, Ga.	500
AQ	Quade, A. M., Lawrence, Mass.		CY	Fry, C. D., Des Moines, Ia.	20
AR	Mabry, Hamilton, Albion, Ia.	150	CZ	Fleming, Bruck, Columbus, Ohio.	
AS	Anderson, Oscar, Chicago, Ill.		DA	Davis, Hubert A., Seattle, Wash.	550
AT	Archer, Fred, Harvey, Ill.		DB	Deal, Vernon, Hoopston, Ill.	
AU	Andruss, A. E., Irvington, N. J.	500	DC	Dyson, John H., Fall River, Mass.	
AV	Burns, Alex., Fall River, Mass.		DD	Doron, Shuley W., Hamilton, Ohio.	2,050
AW	Fleuty, Geo. F., jr., Baltimore, Md.		DE	Dement, E. B., San Jose, Cal.	
AX	Burberry, C. D., Centreville, Ky.		DF	Davidson, Percy, Keosauqua, Ia.	20
AY	Dingman, A., Van Ness, N. Y.	20	DG	Dice, M. M., Brooklyn, N. Y.	
AZ	Burgess, S. L., Barre, Vt.	250	DH	Dalton, Raymond Q., Chicago, Ill.	550
BA	Bibber, H. W., Gloucester, Mass.	100	DI	De Frees, Hartford, Mich.	12
BB	Bruns, Carl H., Toledo, Ohio.		DJ	Davis, Donald W., Montrose, Colo.	
BC	Blackmore, A. H., Cincinnati, Ohio.	550	DK	Davis, Percy E., Berkeley, Cal.	
BD	Bechtold, Wm., Chicago, Ill.		DL	Doscher, Richard, Glen Head, L. I.	
BE	Barnes, C., Worcester, Mass.	20	DM	Du Mez, Benj., Holland, Mich.	550
BF	Benjamin, C., Clyde, N. Y.		DN	Deibel, Louis C., jr., St. Louis, Mo.	
BG	Bennett, E. J., Cleveland, Ohio.		DO	Darrow, Louis, Washington, D. C.	
BH	Bowmann, G. L., Reinholds, Pa.	1,000	DP	Donald, A. M., Mahon, Nova Scotia, Canada.	
BI	Barr, R. H., Lancaster, Pa.		DQ	Gleason, Jerome K., Bay Shore, N. Y.	
BK	Baldwin, J. G., Hope, N. D.	1,000	DR	Phipps, D. A., Oyster Bay, L. I.	20
BL	Bindsell, Louis, Ft. Dodge, Ia.		DS	Arassiz, Dudley, Tacoma, Wash.	
BM	Blaxman, V., Elma Green, Ind.		DT	Bien, G. G., Van Wert, Ohio.	
BN	Bulckett, Maxwell, Montclair, N. J.	550	DU	Butcher, H., Camden, N. J.	
BO	Bolstad, A., Seattle, Wash.		DV	Hudson, David V., Montreal, N. C.	20
BQ	Bundy, Orall, Bruce, Ill.		DW	Hudson, David V., Montreal, N. C.	20
BR	Brauton, I., Northfield, Minn.		DX	Hill, Dolph, Petaluma, Cal.	1,000
BS	Brooks, H. L., Elmira, N. Y.		DY	Biron, Carl H., Otisfield, Mass.	550
BT	Brinkmier, R. J., Wheeling, W. V.	550	DZ	Penfold, C. R., Bronx, N. Y.	40
BV	Butler, H. F., Riegsville, Pa.	40	EA	Reichenbach, E. K., West Orange, N. J.	
BW	Boy, C. F., Raymond, Kan.		EB	Bahlidge, E. E., Greenport, L. I.	20
BX	Braunstein, W. P., Union Hill, N. J.		EC	Bauer, Edw. R., Chicago, Ill.	20
BY	Boulton, A. H., E. Liverpool, Ohio.		ED	Dryner, Eugene, Guttenberg, N. J.	
BZ	Burrow, W. A. L., Teague, Tex.		EE	Call, L. G., Springfield, Mo.	30
CA	Borner, W. J., New York City.	550	EF	Rockefeller, A. F., Boston, Mass.	20
CB	Black, R. E., Brookville, Pa.	30	EG	Rudolph, Lothar, Milwaukee, Wis.	
CC	Besold, John, New York City.		EH	Easton Wireless Co., Bellingham, Wash.	20
CD	Charlton, A. F., Cleveland, Ohio.	50			
CE	Coack, H. K., North Attleboro, Mass.	10			
CF	Carr, Marion, Sumter, S. C.				
CG	Branscombe, C. R., St. John, N. B. Canada.	20			
CH	Cosgrove, Fred, Taunton, Mass.				
	Chase, F., Paterson, N. J.	20			
	Cox, Geo., Callowhee, N. C.	550			
	Cosgrove, Maynard, Sylvania, Ohio.	40			

Call	Owner of Station	Watts	Call	Owner of Station	Watts
EI	Electro Importing Co., New York City. Test Station.		HX	Herr, Harry J., Richland, Oregon.	
EJ	Fish, Edward, Muddetown, N. Y.	500	HY	Hathaway, Bunner, Nutley, N. J.	80
EK	Gray, E. E., Little Campton, R. I.		HZ	Hunnicuttt & Howard, Atlanta, Ga.	2,000
EL	Robertson, Will B., St. Louis, Mo.		IA	Beasley, Ira, Lakewood, Ohio.	500
EM	Horlacher, Elmer, Dayton, Ohio.	20	IB	International W. Sig. Co., West New York, N. J.	550
EN	Michaelovitz, David, Brooklyn, N. Y.	20	IC	Bahls, Otto, New York City.	550
EO	Wife, Ed. M., Jr., Oakland, Cal.	550	ID	Holmes, George, New York City.	40
EP	Popsil, E., Minnea, I. N. Y.	30	IE	Hillman, Eugene, Collingswood, N. J.	20
EQ	Roebrig, W. H., East Cleveland, Ohio.		IF	Henegen, Chas. A., Indianapolis, Ind.	20
ER	Eriksen, Elwood, San Francisco, Cal.		IG	Huebner, Curtis, Rutherford, N. J.	250
ES	Remorino, L. J., Gloversville, N. Y.		IH	Harry, Charles, Houghton, Mich.	250
ET	Richards, E., jr., Tuxedo Park, N. Y.		II	Hassler, L. O., Cleveland, Ohio.	12
EU	Raymond, W. C., Bethel, Conn.		IJ	Hiller, Chas., Cleveland, Ohio.	20
EW	Reim, Otto, Minneapolis, Minn.		IK	Irion, Clarence, Denver, Colo.	
EX	Roberts, Edwin W., Haddonfield, N. J.	550	IL	Irwin, D. A., Wallace, Cal.	
EY	Reinke, Karl L., Chicago, Ill.	1,000	IM	Burstein, Moses B., Imperial, Cal.	
EZ	Rakestraw, Chas. E., jr., Wildwood, N. J.	550	IN	Erwin, F. C., Cuyawad, Pa.	
FA	Rauch, Geo. A., Little Rock, Ark.	60	IO	Isak, E. R., Eureka, S. D.	1,000
FB	Fraser, Homer W., New Glasgow, N. S., Canada.		IP	Isreal, Mortimer, Brooklyn, N. Y.	
FC	Fuss, Chester, Little Valley, N. Y.		IQ	Pennell, Leon, Brockton, Mass.	20
FD	French, Edward, Peekskill, N. Y.	1,000	IR	McCutry, Mal., Ft. Worth, Texas.	
FE	Fallain, F. D., Flint, Mich.		IS	Morgan, Wilbur, Ogden, Iowa.	
FF	Freeman, Elmer Nordhoff, Cal.	100	IT	Moran, Leon S., Plainfield, N. J.	
FG	Fuhrbach, Edw. J., Menasha, Wis.		IU	McClantless, Howard, Tacoma, Wash.	550
FG	Felker, Leon E., Madison, Me.		IV	Young Men's Christian Association, Santa Cruz, Cal.	
FH	Heindling, Frank, New York City.		IW	McBride, Leon G., Englishtown, N. J.	
FI	Nelson, C. F., Dennison, Ohio.		IX	Morse, Finley, Gifford, Ill.	
FJ	Hill, Ernest, Webb City, Mo.	1,000	IY	Morsello, Frank, Philadelphia, Pa.	
FK	Wood, F. W., La Jolla, Cal.		IZ	McAlister, Claud H., Old Saybrook, Conn.	
FL	Ludwig, Fred N., Algona, Ia.	12	JA	Johnson, T., jr., Woodside, N. Y.	
FM	Fried, Jos. D., New York City.		JB	Jens, Elmer, Davenport, Ia.	
FN	Nattermuller, F., Middletown, N. Y.	20	JC	Joseph, Glenn H., Tuscola, Ill.	
FP	Hutch, Wm. M., Port Washington, N. Y.	550	JD	Jacobsen, Martvig, Brooklyn, N. Y.	
FQ	Hollubor, Joe H., Helena, Mont.		JE	Jamison, Wm. C., Sullivan, Ind.	
FR	Harvey, J. E., Youngstown, Ohio.		JF	Johnson, Arthur F., Salt Lake City, Utah.	
FS	Hornberger, R. G., Barberton, Ohio.		JG	Jensen, Arthur, Chicago, Ill.	
FU	Hanselman, Wm. H., Philadelphia, Pa.		JH	Jansson, Theodore E., jr., Rochester, N. Y.	20
FV	Hale, E. E., Riverside, R. I.		JI	Jensen, L. E., Philadelphia, Pa.	
FW	Harris, Clarence, Pittsford, Mich.	10	JK	Johnston, James E., Bronx, N. Y.	20
FY	Hammond, Willie T., Byron, Cal.		JL	Kallaus, Kurt, Milwaukee, Wis.	40
FZ	Hartman, George, California, Ohio.	20	JM	Jaeger, C. L., Mahwah, N. J.	
GA	Hill, Hamlin, Austin, Tex.		JN	Johnru, Arthur F., Salt Lake City, Utah.	
GB	Greathead, Carrull D., Norfolk, Va.	100	JO	Kaiser, Jake, Long Island City.	1,000
GC	Grates, John, Redlands, Cal.	100	JP	Mans, J. C., jr., Jennings, La.	
GD	Hunderson, Clarence, Albert Lea, Minn.	12	JQ	Arnold, J. F., Bronx, N. Y.	550
GE	Gleason, Clavie K., Enosburg Falls, Vt.		JR	Quinn, James J., jr., Atlantic City, N. J.	
GF	Slade, G. S., Middletown, N. Y.	10	JS	Razensky, J. I., Brooklyn, N. Y.	8
GH	Allen, Geo. H., Waltham, Mass.	20	JT	Blothe, J. H., Troy, Ohio.	10
GI	Fackrell, G. O., Hickman, Cal.		JU	Corlew, J. H., Sorent, Ill.	
GJ	Baer, Chas. A., jr., Brooklyn, N. Y.		JV	Doran, James H., Bismarck, N. D.	1,050
GK	Brown, Geo. G., Brooklyn, N. Y.	550	JW	Eager, John G., Middletown, N. Y.	10
GL	Frelond, Harry, Jersey City, N. J.	40	JX	Hamilton, Joseph E., Port Chester, N. Y.	30
GM	"Almira" Yacht, Wm. J. De Marchi, Revere, Mass.		JY	Johnansen, John, New Orleans, La.	15
GN	Anston, Geo., Mason City, Ia.	10	JZ	Lambert, Jas., Olena, Ohio.	
GO	Hanselman, W. H., Philadelphia, Pa.	20	KA	Roesken, Edward, Belleville, N. J.	20
GP	Holcombe, Asa D., Cedar Rapids, Ia.		KB	Kienzle, Henry A., New York City.	20
GQ	Griswold, Geo., jr., Tuxedo Park, N. Y.		KC	Kurtz, Russell C., City of Wildwood, N. J.	20
GR	Gurnee, Floyd, Howell, Mich.		KE	Keboe, Thos., Sherman, Cal.	40
GS	Grinn, Ross D. A., jr., Oberlin, Ohio.		KF	Kimmel, Edmund D., East Orange, N. J.	250
GT	Goljenboon, Geo., Peatonica, Ill.	30	KG	Kennedy, Chester A., So. Portland, Me.	550
GU	Genung, A., Chicago, Ill.		KH	Karstens, Harry H., Wheaton, Ill.	
GV	Harvey, H. B., West Philadelphia, Pa.	1,000	KI	Kleinienst, A., Webster, Mass.	
GW	Hooper, Hamilton A., Baltimore, Md.		KJ	Khume, C., Guyandotte, W. Va.	40
GX	Gooden, W. E., Brandon, Man., Canada.	10	KK	Khume, C., Guyandotte, W. Va.	
GZ	Herr, Harry J., Richland, Ore.		KL	Knight, Lewis S., Oak Lawn, R. I.	
HA	Hayes, J. J., jr., Brownwood, Tex.	550	KM	Kuriger, Chas., jr., Haysville, Pa.	
HB	Rigg, Harold H., Rapid City, S. D.		KN	Kahl, Louis L., jr., Wallingford, Conn.	
HC	Bean, Harold W., Penacook, N. H.	1,000	KO	Morgan, Kenneth, Pomona, Cal.	
HD	Greene, Herbert C., Whitesboro, N. Y.		KP	Mills, B. H., Fort Levett, Me.	
HE	Breyer, H., Fort Lee, N. J.	20	KQ	Ankerman, Roy., Wapakoneta, Ohio.	50
HF	Elcock, Elmer, Philadelphia, Pa.		KR	Hitchcock, K. C., Plantsville, Conn.	
HG	Dunkle, H. F., Lexington, Ill.		KS	Kerr, Morris B., Winchester, Mass.	
HH	Ennist, Robert G., New York City.	1,000	KR	Kreinbring, Walter, Detroit, Mich.	20
HI	Holcombe, H. W., Cape Vincent, N. Y.	550	KT	Keller, C., Wakenoed, N. Y.	550
HJ	Graves, Henry B., jr., Geneva, N. Y.	20	KU	Fulker, F. A., Salina, Kansas.	
HK	Euler, Henry J., New York City.	40	LA	Lee, E. G., Sadleville, Ky.	20
HL	Crim, Edward, San Francisco, Cal.	20	LB	Lease, Lester, Wesley, Iowa.	20
HM	Carlson, H. W., Chicago, Ill.	20	LC	Legg, H. B., Kingston, N. Y.	
HN	Haselton, Page, Nashua, N. H.	50	LD	Elugott, John, Jersey City Heights, N. J.	20
HO	Hoffman, H. M., Los Angeles, Cal.	350	LE	Locke, Charles E., Los Angeles, Cal.	
HP	Hardwick, Ambrose H., Orange, N. J.	550	LF	Lewis, H. L., New York City.	
HQ	Holtz, Carl, Brooklyn, N. Y.		LG	Lucas, Geo. W., Jr., Peckin, Ill.	
HR	Des Roberts, Biddeford, Me.		LH	Leighton, H. W., Rochester, N. H.	30
HS	von Eichwald, Herman R., New York City.		LI	Lasser, Rudolph M., Chicago, Ill.	
HT	Eisner, Henry, jr., New York City.		LJ	Hoyt, Lowell, Presque Isle, Me.	
HU	Bryant, M. V., Nyack, N. Y.	30	LK	Lynde, Kenneth, Newtonville, Mass.	40
HV	Hoyt, Homer, Cleveland, Ohio.	50	LL	Cornish, W. D., Pacific Grove, Cal.	75
HW	Hamilton, Edward P., Milton, Mass.				
	Hibbes, Harry, McMinnville, Ore.	1,000			



Call	Owner of Station	Watts	Call	Owner of Station	Watts
LM	Maybe, Loven C., So. Cle Elum, Wash.	10	PN	Brown, Rolla, Osceola, Mo.	250
LN	Haake, Arthur, Norwood, N. J.		PO	Paul, Lewis F., New Sharon, Maine.	
LO	Lechner, H. A., Holbrook, Ore.		PP	Powell, Geo. Roy, Peterboro, Ont.	
LQ	Barber, H. W., New Westminster, B. C.		PQ	Pumley, Henry G., Byron, Cal.	30
LR	Hanks, L. N., Warren, Vt.		PR	Pettengill, G. W., Salesbury, Mass.	
MA	Pyle, Howard S., Seattle, Wash.		PS	Polson, Alex., Winnipeg, Canada.	
MB	Kerr, Morris, Winchester, Mass.		PT	Peck, A. T., Derby, Conn.	
MC	Murray, Albert F., Maryville, Tenn.	40	PV	Mellon, J. H., Lebanon, Pa.	550
MD	Dodd, M. H., San Bernardino, Cal.	1,050	PW	Nicholi, P. R., Boston, Mass.	550
ME	Brathorn, Malcolm, Cranford, N. J.		PX	Parsons, R. W., So. Framingham, Mass.	
MF	Burgess, C. M., Geneva, Ill.	30	PY	Pfeegor, Carroll, Milton, Pa.	1,000
MG	Meder, George, New York City.		QD	Sufrane, Jerry, S. Norwalk, Conn.	20
MH	Morgan, Hiram, Beloit, Wis.	1,000	QC	Smith, John, Brooklyn, N. Y.	
MJ	Mathwig, Clarence J., Milwaukee, Wis.	50	QD	Swain, Herbert N., Hamilton, Ohio.	550
MK	Cook, Marie M., Yonkers, N. Y.		QF	Slater, James, New York City.	
ML	Gable, Martin, Sedro-Woolley, Wash.	250	QG	Stoddart, Herbert G., Jamaica, N. Y.	
MM	Gardner, F., Derby, Conn.	40	QH	Snook, J. Lloyd, Troy, Ohio.	50
MN	Kilborn, M. G., W. Orange, N. J.	15	QI	Shugren, H. E. Salt Lake City, Utah.	
MO	Maury, Orville, Kalamazoo, Mich.	550	QJ	Shaw, S. L., jr., Oyster Bay, L. I.	20
MP	McDevitt, Gerard, Lakewood, N. J.		QK	Schnell, F. H., Chicago, Ill.	1,000
MQ	Matthews, A. R., South Amboy, N. J.		QL	Skene, A. A., Philadelphia, Pa.	40
MR	Meyers, R. W., Tiffin, Ohio.	250	QM	Shields, M., West Philadelphia, Pa.	
MS	Middletown Wireless Station, Middletown, Conn.		QN	Strode, Geo. P., Los Angeles, Cal.	20
MT	Miller, Max, Florence, Colo.		QO	Smith, Wilson, Pecatonica, Ill.	550
MU	Mont'noia, Manuel A., Fort Collins, Colo.		QP	Shuman, Joyce A., Bowling Green, O.	550
MV	Hyatt, Mount Vernon, Ohio.	2,000	QR	Sharkoff, Perry W., Muskegon, Mich.	550
MW	Moller, Wm., jr., Oakland, Cal.	250	QS	Lynam, John C., Duluth, Minn.	1,000
MX	Ashton, L. W., Collingswood, N. J.	20	QU	Shrive, Glen, jr., Yonkers, N. Y.	
MY	Merk Wireless Station & Electrical Laboratory, Williamsport, Pa.		QV	Thormahlen, A., New York City.	
MZ	Myers, Delbert, Amboy, Ind.	20	QW	Carhart, T. H., Jr., Hazlet, N. J.	
NA	Harbolt, Norman, W. Philadelphia, Pa.		QX	Conklin, W. H., Roselle, N. J.	
NB	Mortrude, O. C., Sioux City, Ia.		QY	Hechler, Ernest A., Palisades Park, N. J.	
NC	Nobis, Charles H., Indianapolis, Ind.		RA	Fish, Claud, Springboro, Pa.	
ND	Edwards, Kenneth, Nampa, Ida.		RB	Montagna, Tiberia, Meriden, Conn.	
NE	French, Donald K., Fruitvale, Cal.	250	RC	Miller, Roy A., Ritchey, Cal.	40
NF	Nordmann, Clarence F., Mamaronck, N. Y.		RD	Hussa, Robert, Brooklyn, N. Y.	60
NG	Henry, C. M., Hamilton, Ohio.	750	RE	Raab, Victor, Oakward, Geilstown, Pa.	250
NH	Kibbie, Wm. H., Bronx, N. Y.	20	RF	Bathburn, H. J., Baltimore, Md.	
NI	Hurd, Norman C., Dover, N. H.	550	RG	Bonker, F., New York City.	20
NJ	Nyquist, Geo. M., Superior, Wis.		RH	Fawcett, E. T., Fort Wayne, Ind.	250
NK	Nobriga, Miss., Honolulu, T. H.		RI	Diederich, Paul E., Detroit, Mich.	250
NL	Niemeyer, Frederic E., Chicago, Ill.	20	RJ	Mount, R. H., Vinton, La.	550
NM	Des Jardins, Gregory, Cincinnati, Ohio.	20	RK	Bogardus, King J., Torrington, Conn.	20
NN	Norris, Geo. B., Oshawa, Ont., Can.		RL	Berwick, C. C., Berkeley, Cal.	250
NO	Newhauser, B. B., Normal, Ill.		RM	Jerman, Herbert, Stamford, Conn.	30
NP	Bennett, P., Chicago, Ill.		RN	Rieber Laboratories, Berkeley, Cal.	100
NQ	Clark, A. B., Albion, Ia.	100	RO	Maxwell, Ralph, Morgantown, W. Va.	20
NR	Nadler, Solomon, Gadsden, Ala.	550	RP	Norcross, Earl L., Glenside, Pa.	
NS	Nefferdorf, Walter, Philadelphia, Pa.	40	RQ	Hunt, Rollin E., So. Park, Minn.	250
OA	Ball, Geo. M., Locust Pt., N. J.	20	RR	Brain, Chas. K., Springfield, O.	250
OB	Otto, Fred B., Virginia, Minn.	550	RS	Frerichs, Byron, Cal.	100
OC	Owens, P. B., Lansing, Kan.		RT	Freeman, Roger, Plainville, Conn.	
OD	O'Kuly, Pleasant Budd, Ohio.		RU	Mitchell, John, Buena Park, Cal.	
OE	Ollard, H. G., Bronx, N. Y.		RV	Ransom, Paul, Pittsburg, Kans.	250
OF	Ostman, Frederick, Ridgewood, N. J.		RW	Maguire, Raymond H., Indianapolis, Ind.	
OG	O'Brien, F. Gordon, Windsor, Nova Scotia, Canada.	20	RX	Reeves, F. B., Cave Spring, Ga.	20
OH	Osborn, Chas. W., San Francisco, Cal.		RY	Dettner, William, East Port Chester, Conn.	20
OI	Olson, Victor, Naugatuck, Conn.	500	SA	Loper, Roscoe R., Port Jefferson, N. Y.	1,000
OJ	Ochtman, A. F., Cos Cob, Conn.		SB	Rundell, Chas. D., Plainfield, Conn.	
OK	Koeler, Harold, Chicago, Ill.	550	SC	Rias, Geo. E., Newark, N. J.	12
OL	Loehr, Herbert R., Normal, Ill.	550	SD	Champlin, A. R., Westerly, R. I.	20
OM	Robbins, Rufus M., Titusville, Fla.	550	SE	Hoyt, James King, jr., Sound Beach, Conn.	550
OO	Robinson, Cecil S., Lake Mohegan, N. Y.	20	SF	Cory, Samuel, Springfield, O.	
OP	Rimlinger, E., San Francisco, Cal.		SG	Friedrich, S., San Antonio, Tex.	1,050
OQ	Reeves, Alvin, Fort Wayne, Ind.		SH	Puff, S. F., Wildwood, N. J.	550
OR	Ridgley, R. R., Rocky Ford, Colo.		SI	Fizzell, Sam., Dumbury, Mass.	
OS	Ribble, Guy H., Bangon, Pa.		SJ	Schachner, M. H., Chicago, Ill.	50
OT	Ranlett, Frederick J., jr., Auburndale, Mass.	25	SK	Shaw, Wm. A., San Diego, Cal.	250
OU	Richards, Geo. B., Philadelphia, Pa.	20	SL	Groff, Vernon R., Lancaster, Pa.	
OV	Rasche, S., St. Louis, Mo.		SM	Smith, H. M., Monticello, N. Y.	
OW	Rauch, Geo. A., Little Rock, Ark.	1,000	SN	Aiken, J. R., E. Cleveland, O.	250
OX	Rogers, Philip H., New Britain, Conn.	20	SO	Lewis, H. Spencer, New York City.	1,000
OY	Robbins, Hartwell B., Franklin, Pa.		SP	MacPeeters, John, Philadelphia, Pa.	400
OZ	Rowland, J. C., Hannibal, Mo.		SQ	Dolph, S. E., Scranton, Pa.	
PA	Hansen, William R., Pacific, Wash.	20	SR	Hardy, Wilbur, Beverly Farms, Mass.	250
PB	Case, C. H., New Britain, Conn.	20	SS	Pierson, S. W., Carrollton, Ill.	550
PC	Pickett, Chester H., Waukesha, Wis.	250	ST	Munid, Manuel E., West Philadelphia, Pa.	40
PD	Donohue, Phillip, Bronx, N. Y.	20	SU	Otto, William J., Chicago, Ill.	
PE	Phillip, Lawrence A., Concord, Mich.	250	SV	Smith, William, Pecatonica, Ill.	
PF	Palmland, Philip, Brooklyn, N. Y.	30	SW	Statz, Henry M., Washington, D. C.	
PG	Martinez, Porfirio, Havana, Cuba, Rep. of Cuba.	20	SX	Sturley, George, Vancouver Barracks, Wash.	
PH	Price, Stephen A., Richmond, Staten Island.	20	SY	Sowers, E. S., S. Richmond, Va.	
PI	Plekenpol, Ernest, Cleveland, Ohio.	100	SZ	Spencer, Guy E., Portland, Ore.	
PJ	Mulgrew, Patrick J., Kearny, N. J.	20	TA	Sutorins, Alexis, Brooklyn, N. Y.	550
PK	Peterson, Chas. E., St. Paul, Minn.		TB	Smith, Peter F., Bronx, N. Y.	60
PL	Powell, Edwin L., Washington, D. C.	25	TC	Smith, Lewis J., Norwich, Conn.	20
PM	Pickertzn, A., Worcester, Mass.	50	TD	Tobin, J. Benedict, Winnipeg, Canada.	750
			TE	Tosi, Henry J., Boston, Mass.	
				Turner, Harold L., Grand Junction, Iowa.	550
				Tamburo, Orazio, Brooklyn, N. Y.	60
				Thocott, Harold, Cheyenne, Wyo.	

Call	Owner of Station	Watts	Call	Owner of Station	Watts
TF	Timmermann, Gus., San Francisco, Cal.		XE	Barnes, Geo. H., Meigs Corners, Quebec, Canada.	40
TG	Thompson, W. C., East Hartford, Conn.		XF	Schwartz, Sylvain, San Francisco, Cal.	
TH	Thorne, Earl D., Brookhaven, L. I.		XG	Smith, G. R., Wallingford, Conn.	
TI	Tomisek, J. J., Chicago, Ill.	20	XH	Shepard, Charles A., Buffalo, N. Y.	20
TJ	Templeman, Robert, Williamsport, Pa.	550	XI	Simons, Erwin E., Huguenot Park, Staten Island, N. Y.	20
TK	Troetschel, H. Carl, Brooklyn, N. Y.	40	XJ	Sanborn, Herman H., Montclair, N. J.	
TL	Twitchell, Lawson B., jr., E. Braintree, Mass.		XK	Saunders, George, Bronx, N. Y.	60
TM	Theodore, Nelson M., Centerville, Mass.		XL	Stephenson, J. Albert, South Bend, Ind.	1,000
TN	Theobald, Gustav, West New York, N. J.	550	XM	Smith, Granville B., Scarborough, N. Y.	20
TO	Thompkins, J. C. S., New York City.	20	XN	Scheffer, Ralph, Bristol, Pa.	40
TP	Tucker, Henry B., Bridgeport, Conn.		XO	Schardl, Carl, Cleveland, Ohio.	20
TQ	Thoroman, Clem, Greenfield, Ohio.		XP	Schnabel, Albert, Cleveland, Ohio.	30
TR	Teeter, Walter L., Moravia, N. Y.	550	XQ	Smith, Charles Z., South Bethlehem, N. Y.	
TS	Tolbert, Warren, Tacony, Philadelphia, Pa.		XR	Schulenberg, Paul, Tolono, Ill.	
TT	Thomas, Alonzo, Jersey City, N. J.	20	XS	Sleepe, Harold R., Groton, Conn.	20
TU	Sturges, Tracy A., Elgin, Ill.	20	XT	Savini, Saverl, Ft. Hamilton, N. Y.	40
TV	Thiemann, Otto, Van Nest, N. Y.	40	XU	Springer, Elisha, Moravia, N. Y.	40
TW	Sullard, Arthur R., Kansas City, Mo.	20	XV	Soper, C., Brush Creek, Buttle Co., Cal.	40
TX	Satter, J. M., jr., Mertley, N. J.	550	XW	Sprowl, John, Lozansport, Ind.	550
TY	Stary, Lyles, Kissimmee, Fla.		XX	Starrett, John, Plymouth, Wis.	
TZ	Lang, Wm. E., Detroit, Mich.	550	XY	Savin, Saverl, Ft. Hamilton, N. Y.	12
UA	Unger, Harry J., San Francisco, Cal.	30	XZ	Shippam, Cecil H., San Diego, Cal.	
UB	Uher, Frank, jr., Chicago, Ill.		YA	Schulte, G., St. Louis, Mo.	
UC	Bergstrom, A., Concord, N. H.	20	YB	Woodruff, Kent, Berea, Ohio.	40
UD	Petler, A., Dennison, Oho.	20	YC	Williams, Lincoln, Dillon, Mont.	550
UE	Tuzhill, R. E., New Suffolk, L. I., N. Y.		YD	Wilder, Willard S., Ashland, Wis.	100
UF	Uehlein, Frank, Passaic, N. J.		YE	Watson, W. L., Brownwood, Texas.	20
UH	Ege, Waldo O., Reading, Pa.	250	YF	Wechsler, L., New York City.	30
UI	Drew, Frank E., Plympton, Mass.	6	YG	Weber, Ernest A., Brooklyn, N. Y.	40
UW	Gisseler, John, Chicago, Ill.		YH	Whitman, E. J., La Grange, Ill.	
VA	Galla, Otto, Chicago, Ill.		YI	Wille, Edward A. C., Milwaukee, Wis.	550
VB	Van Pelt, Wm., Westchester, Bronx, N. Y.	20	YJ	Williams, Wm. F., New York City.	
VC	Van Syckle, L. Howard, Fort Lee, N. J.	80	YK	White, Edward, Lawrence, Mass.	12
VD	Duffy, Vincent R., Arlington, N. J.	50	YL	Winkler, Frank E., Beaumont, Tex.	
VE	Vennard, L. B., Wessington Springs, S. D.	1,000	YM	Central Y. M. C. A. Radio Club, Cleveland, O.	
VF	Yerbury, Roy and George, Passaic, N. J.	60	YN	Worrest, Howard, Lancaster, Pa.	
VG	Young, James F., Haddonfield, N. J.	300	YO	Wolf, Frank, Bronx, N. Y.	1,000
VH	Yates, Ray F., Niagara Falls, N. Y.		YP	Koor, William, Dolton, Ill.	
VI	Zerkel, Herbert, Troy, Ohio.	500	YQ	Weik, Chas. F., Philadelphia, Pa.	
VJ	Wysman, Henry, Eimsworth Pl., Cincinnati, Ohio.		YR	Wheeler, Hugh H., Shenandoah, Iowa.	
VK	Rich, H. A., Hyde Park, Mass.		YS	Wells, Robt. E., Perryman, Md.	1,000
VL	Rapp, Orville, Waynesfield, Ohio.		YT	Good, Horace D., Reading, Pa.	550
VR	Regnard, Victor, Santa Clara, Cal.		YU	Whitescarner, Robert, Webb City, Mo.	20
VX	Meck, Michael, West Philadelphia, Pa.	40	YV	Waters, James S., jr., Galveston, Texas.	250
WA	Phillips, W. A., Rochester, N. Y.	30	YW	Wade, John M., Yonkers, N. Y.	20
WB	Robbins & Robinson, Dorchester, Mass.		YX	Weber, Harry S., Canal Dover, Ohio.	550
WC	Welch, P. V., Johnstown, Pa.	250	YY	Haynes, Wm., Springfield, Ohio.	
WD	Beck, Wallace, Galton, Ohio.		ZA	Widmyer, John H., Mt. Poconna, Pa.	20
WE	Booth, W., Middleton, N. Y.	10	ZB	Berodiske, John, Joliet, Ill.	
WF	Bert, W. K., Seattle, Wash.		ZC	Ward, Raymond, Greeley, Colo.	
WG	Finch, Wm. G. H., Cincinnati, Ohio.	550	ZD	Watkins, W. O., Birmingham, Ala.	550
WH	Groves, Fred G., Germantown, Pa.	30	ZE	Wood, Manson, Wakefield, Mass.	100
WI	Miller, Walter L., New York City.		ZF	Webber, Franklin C., Los Angeles, Cal.	20
WJ	Macke, William, New Orleans, La.	30	ZG	DeWees, C. C., Chicago, Ill.	
WL	Miller, W. R., Pittsburgh, Pa.		ZH	Werden, Edward T., Mt. Vernon, N. Y.	
WM	Mueller, Walter, Philade.pha. Pa.		ZI	Wendell, Beacon, Boston, Mass.	250
WN	De Yoe, W. L., Paterson, N. J.	250	ZJ	Wolfe, Raymond H., Greeley, Colo.	
WO	Wunderlich, Otto, West Hoboken, N. J.		ZK	Wiggins, Oscar, Glenwood Landing, N. Y.	
WQ	White, Harold R., Brooklyn, N. Y.		ZL	Loehr, H. R., Bloomington, Ill.	1,000
WR	Williamson, J. B., Toronto, Canada.		ZM	Wiegert, Chas., Leigh, Neb.	12
WS	White, Dallas E., Billerica, Mass.	1,000	ZN	Wallis, H. Jones, Troy, N. Y.	
WT	Wells, R. Stuart, Utica, N. Y.	20	ZO	White, Harold, Brooklyn, N. Y.	20
WU	White, Jas. M., Norfolk, Va.		ZP	Watt, W. M., Youngstown, Ohio.	550
WV	Williamson, Harry, Redlands, Cal.		ZQ	Wember, Anthony A., North Chicago, Ill.	
WW	Wahn, Harry, Chicago, Ill.	40	ZR	Whitney, Chas. D., Needham Heights, Mass.	550
WX	Wilson, Guy E., Kansas City, Mo.		ZS	Wilson, Harvey, Dowagiac, Mich.	
WZ	Willmann, Chas., Cincinnati, Ohio.	20	ZT	Wills, R. Stuart, Utica, N. Y.	
XA	Kelling, Frank X., jr., Newark, N. J.		ZU	Whitefman Station, Newark, N. J.	20
XB	Clark, B. H., De Kalb, Ill.	1,050	ZV	Zwaska, Frank, Chicago, Ill.	20
XC	Fuller, Clarence C., Mansfield, Mass.	30	ZX	Zickus, Louis C., Milwaukee, Wis.	
XD	Crowther, F., Yonkers, N. Y.		ZY	Zapf, John J., Brooklyn, N. Y.	550
			ZZ	Kumm, Louis A., West Haven, Conn.	200
			86V	Metli, Louis, Cleveland, O.	30



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