

# RADIO SERVICE BULLETIN

ISSUED MONTHLY BY BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE

Washington, July, 1915—No. 7

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DEPARTMENT OF COMMERCE,  
BUREAU OF NAVIGATION,  
Washington, January 14, 1915.

*To collectors of customs, radio inspectors, and others concerned:*

This publication is issued monthly by the Bureau of Navigation, Department of Commerce, and distributed to the United States officers engaged in or concerned with the enforcement of the radio laws for their guidance and instruction, and to those concerned with the operation of Government and commercial radio stations for their information.

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

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

Amendments to or changes in the Radio Laws and Regulations of the United States (edition of July 27, 1914) are printed in this bulletin in such a manner that they may be clipped and pasted in their proper places in that publication.

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

E. T. CHAMBERLAIN,  
*Commissioner of Navigation.*

Approved:  
E. F. SWEET,  
*Acting Secretary.*

## ABBREVIATIONS.

## INTERNATIONAL ABBREVIATIONS USED IN THIS LIST.

## Nature of service:

PG=General public.

PR=Limited public.

P=Private.

O=Government business exclusively.

## Hours of operation:

N=Continuous service.

X=No regular hours.

m=a. m.

s=p. m.

12 m=Midday.

12 s=Midnight.

c.=Cents.

## OTHER ABBREVIATIONS.

Name =Name of station.

G. loc. =Geographical location (O=west longitude, N=north latitude).

Call =Radio call letters.

System=Radio system used and sparks per second.

Range =Normal range in nautical miles.

W. L. =Wave lengths.

Service=Nature of service.

Hours =Hours of operation:

Rates =Ship or coast charges in cents. (The rates in the international list are stated in francs and centimes. For approximate purposes, 1 franc equals 20 cents and 5 centimes equal 1 cent.)

Notes =Refers to notes in the Berne list.

Co. =Company.

## NEW STATIONS.

## LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions to the List of Radio Stations of the United States, edition of July 1, 1914, and to the International List of Radiotelegraph Stations published by the Berne bureau.]

| Station.                                   | Longitude and latitude (approximate). | Call signal. | Range. | System.          | Wave lengths.      |
|--|---------------------------------------|--------------|--------|------------------|--------------------|
| Darien, Panama <sup>1,2</sup> .....        | O 79 46 40<br>N 9 07 20               | NBA          | 1,000  | U. S. Navy.....  |                    |
| Iditarod, Alaska <sup>3,4</sup> .....      |                                       | KIV          | 200    | Telefunken.....  | 500                |
| Kvichak, Alaska (KMT) <sup>5,6</sup> ..... | O 158 37 00<br>N 59 08 00             | KMT          | 500    | Composite, 500.. | 300, 600,<br>2,000 |
| Teller, Alaska <sup>7</sup> .....          |                                       | KWT          |        |                  |                    |

<sup>1</sup> Radio station operated and controlled by the United States Naval Radio Service, Radio, Va.<sup>2</sup> Service, O; hours, N.<sup>3</sup> Radio station operated and controlled by the Alaska Wireless Telegraph Co.<sup>4</sup> The station is limited to correspondence with the United States Signal Corps station at Nulato, Alaska; hours, 9m-7s.<sup>5</sup> Radio station operated and controlled by the North Alaska Salmon Co.<sup>6</sup> The station is limited to correspondence with ship and shore stations of the North Alaska Salmon Co.; hours, X.<sup>7</sup> Radio station operated and controlled by Max R. Hirschberg.

SHIP STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[Additions to the List of Radio Stations of the United States, edition of July 1, 1914, and to the International List of Radiotelegraph Stations published by the Berne bureau.]

| Name.                            | Call signal. | Wave lengths. | Owner of vessel.                |
|----------------------------------|--------------|---------------|---------------------------------|
| Communipaw.....                  | KOE          | 300, 600      | Standard Oil Co. of New Jersey. |
| Glenpool.....                    | KOH          | 300, 600      | Do.                             |
| Oregon (WOU) <sup>1</sup> .....  | WOU          |               | Crowley Launch & Tugboat Co.    |
| Richard.....                     | WLG          | 300, 600      | Richard Hulett & Son.           |
| S. M. Fischer <sup>1</sup> ..... | WPH          |               | Reid Wrecking Co.               |
| Wahama.....                      | KZW          |               | W. W. Campbell (yacht).         |

<sup>1</sup> System, Marconi.

LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

[b=ship station; c=land station.]

| Call signal. | Station.               | Call signal. | Station.             |
|--------------|------------------------|--------------|----------------------|
| KIV          | Iditarod, Alaska.....c | KZW          | Wahama.....b         |
| KMT          | Kvichak, Alaska.....c  | NBA          | Darien, Panama.....c |
| KOE          | Communipaw.....b       | WLG          | Richard.....b        |
| KOH          | Glenpool.....b         | WOU          | Oregon.....b         |
| KWT          | Teller, Alaska.....c   | WPH          | S. M. Fischer.....b  |

SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS

[Additions to the list of Radio Stations of the United States, edition of July 1, 1914, only.]

| Name.                          | Call signal. | Wave lengths.                          | Serv-ice. | Hours. | Station controlled by—                             |
|--------------------------------|--------------|--|-----------|--------|--|
| Aldene, N. J.....              | 2XL          | 300, 600, 1800.....                    | P         | X      | Marconi Co.  |
| Chicago, Ill.....              | 9YH          | 335, 600.....                          | P         | X      | Frank S. Jones.                                    |
| Denver, Colo. (9ZA).....       | 9ZA          | 450, 500, 750.....                     | P         | X      | Co. A, Signal Corps, Colo-<br>rado National Guard. |
| Lake Geneva, Wis. (9YW).....   | 9YW          | 300, 425.....                          | P         | X      | Northwestern Military<br>and Naval Academy.        |
| Lake Geneva, Wis. (9YX).....   | 9YX          | 300, 425.....                          | P         | X      | Do.  |
| Madison, Wis.....              | 9XM          | 2000, 2200.....                        | P         | X      | University of Wisconsin.                           |
| New York, N. Y. (2XG).....     | 2XG          | 300, 350, 600, 850, 1800,<br>2500..... | P         | X      | Radio Telephone & Tele-<br>graph Co.               |
| New York, N. Y. (2YS).....     | 2YS          | 250, 300, 600.....                     | P         | X      | William S. Wilson.                                 |
| Port Chester, N. Y.....        | 2ZP          | 200, 425, 600.....                     | P         | X      | John W. Hubbard.                                   |
| San Francisco, Cal. (6XD)..... | 6XD          | 300, 600, 2500, 3000.....              | P         | X      | Dwyer Wireless Tele-<br>phone & Telegraph Co.      |
| Trinidad, Colo.....            | 9ZB          | 450, 500, 750.....                     | P         | X      | Co. A, Signal Corps, Colo-<br>rado National Guard. |

SPECIAL LAND STATIONS, GROUPED BY DISTRICTS.

| Call signal. | District and station.                  | Call signal. | District and station.            |
|--------------|--|--------------|----------------------------------|
| 2XG          | Second district:<br>New York, N. Y.    | 9XM          | Ninth district:<br>Madison, Wis. |
| 2XL          | Aldene, N. J.                          | 9YH          | Chicago, Ill.                    |
| 2YS          | New York, N. Y.                        | 9YW          | Lake Geneva, Wis.                |
| 2ZP          | Port Chester, N. Y.                    | 9YX          | Do.                              |
| 6XD          | Sixth district:<br>San Francisco, Cal. | 9ZA          | Denver, Colo.                    |
|              |  | 9ZB          | Trinidad, Colo.                  |

## ALTERATIONS AND CORRECTIONS.

## LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Alterations and corrections to be made to the list of Radio Stations of the United States, edition of July 1, 1914, and to the International List of Radiotelegraph Stations published by the Berne bureau.]

**ASTORIA, OREG.**—Range, 250-1500; system, Marconi, 480; W. L., 300, 600, 1800, 3100. Notes, Radio station operated and controlled by the Marconi Wireless Telegraph Co. of America. The long wave lengths are used for limited public service with Ketchikan, Alaska; rates, for commercial business, \$1.25 for 10 words (10 word minimum) and 12 c. for each additional word, domestic count. For press dispatches, 3 c. per word.

**HEEIA POINT, HAWAII.**—Notes, Radio station operated and controlled by the Federal Telegraph Co. The station is reserved for correspondence with a land station at South San Francisco, Cal.; rates, regular messages, 25 c. per word, cable count, no minimum. Night lettergrams, plain English, cable count, code address allowed, 13 words minimum including prefix, \$1. Each additional word, 8 c. Week-end letters, plain English, cable count, code address allowed, 25 word minimum including prefix, \$1.50. Each additional word, 6 c.

**JUNEAU, ALASKA.**—Range, 250-1500; system, Marconi, 480; W. L., 300, 600, 1800, 3100; service, PG; hours, N; rates, North and South American service, 6 c. per word, 60 c. minimum per radiogram, transoceanic service, 12 c. per word, \$1.20 minimum per radiogram. Notes, Radio station operated and controlled by the Marconi Wireless Telegraph Co. of America. The long wave lengths are used for limited public service with Ketchikan, Alaska; rates, 50 c. for 10 words (10 word minimum) and 5 c. for each additional word, domestic count.

**JUPITER, FLA.**—Strike out W. L., service, O.

**KETCHIKAN, ALASKA.**—Range, 250-1500; system, Marconi, 480; W. L., 300, 600, 1800, 3100; service, PG; hours, N; rates, North and South American service, 6 c. per word, 60 c. minimum per radiogram, transoceanic service, 12 c. per word, \$1.20 minimum per radiogram. Notes, Radio station operated and controlled by the Marconi Wireless Telegraph Co. of America. The long wave lengths are used for limited public service with Astoria, Oreg.; rates, for commercial business, \$1.25 for 10 words (10 word minimum) and 12 c. for each additional word, domestic count. For press dispatches, 3 c. per word. The station also communicates with Juneau, Alaska, rates, 50 c. for 10 words (10 word minimum) and 5 c. for each additional word, domestic count.

**MIAMI, FLA.**—Notes, Radio station operated and controlled by the Marconi Wireless Telegraph Co. of America. The station also exchanges correspondence with Nassau (Bahamas); rate, 6 c. per word, no minimum.

**SOUTH SAN FRANCISCO, CAL.**—Notes, Radio station operated and controlled by the Federal Telegraph Co. The station is reserved for correspondence with a land station at Heeia Point (near Honolulu), Hawaii; rates, regular messages, 25 c. per word, cable count, no minimum. Night lettergrams, plain English, cable count, code address allowed, 13 words minimum including prefix, \$1. Each additional word 8 c. Week-end letters, plain English, cable count, code address allowed, 25 word minimum including prefix, \$1.50. Each additional word 6 c.

**TAMPA, FLA.**—Hours, 7m-10s.

**UNALGA, ALASKA.**—Strike out all particulars.

## SHIP STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[Alterations and corrections to be made to the list of Radio Stations of the United States, edition of July 1, 1914, and to the International List of Radiotelegraph Stations published by the Berne bureau.]

**BUNKER HILL.**—Range, 200; system, Marconi, 400; W. L., 300, 600; service, PG; hours, N; rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram. Notes, Radio station operated and controlled by the Marconi Wireless Telegraph Co. of America. Eastern Steamship Corporation, owner of vessel.

**GADDO.**—Range, 200; system, Telefunken, 1000; service, PG; hours, 9m-4s, 8s-12s; rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram. Notes, Radio station operated and controlled by the Standard Oil Co. of New Jersey, owner of vessel.

- CITY OF ATLANTA.**—System, Marconi, 400; rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram.
- CITY OF CHICAGO.**—Name, City of St. Joseph.
- COALINGA.**—Range, 400; system, Poulsen arc; service, PG; hours, X; rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram. Notes, Radio station operated and controlled by the Federal Telegraph Co. Union Steamship Co. (Union Oil Co.), owner of vessel.
- DAKOTAN.**—Hours, X; rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram.
- DAMARA.**—Name, Florence Luckenbach.
- DOROTHY BRADFORD.**—Strike out range; strike out system. Note, Cape Cod Steamship Co., Trustees, owner of vessel.
- GRACE DOLLAR.**—System, Marconi. Notes, Radio station operated and controlled by the Marconi Wireless Telegraph Co. of America. Grace Dollar Steamship Co., owner of vessel.
- GREENWOOD.**—Strike out all particulars.
- INDEPENDENT.**—Strike out all particulars.
- KANSAS CITY.**—Strike out all particulars.
- LUCY NEFF.**—Strike out all particulars.
- LUNDIN POWER LIFEBOAT.**—Name, Lundin; system, Marconi, 240; W. L., 300, 600; service, PG; hours, X; rates, 8 c. per word, 80 c. minimum per radiogram. Notes, Radio station operated and controlled by the Marconi Wireless Telegraph Co. of America. Welin Marine Equipment Co., owner of vessel.
- LYMAN STEWART.**—Range, 400; system, Poulsen arc; service, PG; hours, X; rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram. Notes, Radio station operated and controlled by the Federal Telegraph Co. Union Oil Co. of California, owner of vessel.
- MISSOURIAN.**—Rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram.
- MORENI.**—Range, 200; system, Telefunken, 1000; service, PG; hours, 9m—12m, 2s—5s, 8s—10:30s; rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram. Note, Radio station operated and controlled by the Standard Oil Co. of New Jersey, owner of vessel.
- NOKOMIS.**—Range, 100; system, Marconi, 240; W. L., 300, 600; service, PG; hours, X; rates, 2 c. per word, 20 c. minimum per radiogram.
- NORTH STAR (KYZ).**—Range, 200; system, Marconi, 240; W. L., 300, 600; service, PG; hours, X; rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram. Notes, Radio station operated and controlled by the Marconi Wireless Telegraph Co. of America. Cornelius Vanderbilt, owner of vessel (yacht).
- PRISCILLA.**—System, Fessenden, 260; W. L., 300, 550, 600.
- RESTORER.**—System, Composite, 480; W. L., 250, 300, 600.
- ROCHELLE.**—Strike out all particulars.
- SANTA CLARA (KIR).**—Strike out all particulars.
- SANTA RITA (WTG).**—System, Marconi; W. L., 300, 600. Notes, Radio station operated and controlled by the Marconi Wireless Telegraph Co. of America. Sun Co., owner of vessel.
- SAVAGE (KRS).**—Strike out all particulars.
- SEA OTTER.**—Strike out all particulars.
- SEMINOLE (KVJ).**—Strike out all particulars.
- SEWARD.**—Rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram.
- SIBIRIA.**—Range, 150; system, Marconi, 250; service, PG; hours, X; rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram. Notes, Radio station operated and controlled by the Marconi Wireless Telegraph Co. of America. Sibiria Steamship Corporation (Atlantic Fruit Co.) owner of vessel.
- SIXAOLA.**—Range, 500; system, Wireless Specialty Apparatus Co., 1000; service, PG; hours, N; rates, 8 c. per word, 80 c. minimum per radiogram. Notes, Radio station operated and controlled by the Tropical Radio Telegraph Co. Sixaola Steamship Corporation, owner of vessel.

SULTANA.—Range, 200; system, Marconi, 240; W. L., 300, 600; service, PG; hours, X; rates, North and South American service, 4 c. per word, 40 c. minimum per radiogram, transoceanic service, 8 c. per word, 80 c. minimum per radiogram.

WINONA.—Strike out all particulars.

WOODBURY.—Strike out all particulars.

ZEALANDIA (KNR).—Range, 200; system, Fessenden, 1000; W. L., 300, 600; service, PG; hours, X; rates, 4 c. per word, 40 c. minimum per radiogram. Notes, Radio station operated and controlled by the National Electric Signaling Co. Fiske Trading Co., owner of vessel.

#### LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

WDT, read: City of St. Joseph (b); WNM, read: Florence Luckenbach (b). Strike out particulars following the call signals KIR, KNQ, KRS, KVJ, KYS, NPV, NRJ, NRV, WNR, WPI, WQG, WWS.

#### MISCELLANEOUS.

##### PANAMA-PACIFIC INTERNATIONAL EXPOSITION.

The Bureau's radio exhibit at the Panama-Pacific International Exposition has been awarded a silver medal for the educational demonstration of methods and apparatus for the enforcement of the Federal radio laws. This exhibit consists of all the necessary instruments used by radio inspectors in the inspection of radio equipment—a model ship set and a model amateur set.

It has been reported to the Bureau that signals from the Eilvese station in Germany have been received at the Bureau's station, and time signals are received daily from the Mare Island Navy Yard station sufficiently audible to allow visitors to set their watches at a distance of 30 feet from the radio receiver, and considerable interest has been manifested in these two features of the exhibit.

A radio inspector is in charge of the exhibit at all times to demonstrate the method of inspection, to give information concerning the radio laws and regulations to owners and masters of vessels, operators and amateurs, and to distribute the Department's publications concerning the radio laws and regulations. The inspector in charge is prepared to conduct examinations of applicants for radio operator licenses.

##### COMMERCIAL OPERATOR FINED.

A commercial radio operator of New York City was reported by the radio inspector of that district for changing his second-grade commercial operator's license to resemble a first-grade license and obtaining employment as a first-grade operator. The case was reported to the United States district attorney for prosecution, and upon pleading guilty to a charge of forgery the operator was fined \$25 by Judge Grubb, of the United States district court.

##### GENERAL STATISTICS OF THE INTERNATIONAL BUREAU FOR 1913.

Copies of the General Statistics of Radiotelegraphy for the year 1913 may be procured from the International Bureau of the Telegraph Union, Radiotelegraphic Service, Berne, Switzerland, at 30 centimes (6 cents) per copy, postage extra.

## RADIO SERVICE PERSONNEL.

Benjamin E. Wolf, radio inspector in charge of the Bureau's exhibit at the Panama-Pacific International Exposition, has been placed in charge of the Seattle office and Ellery W. Stone, assistant radio inspector at San Francisco, has been detailed to the exposition as the Bureau's representative. William F. Macomber has been appointed as an assistant radio inspector at San Francisco.

R. D. Duncan, jr., assistant radio inspector at New York, has been transferred to the Bureau of Standards.

## UNITED STATES NAVAL RADIO SERVICE CHANGES.

The Jupiter (Fla.) station of the United States Naval Radio Service has been closed to commercial traffic. Government messages and position reports will be accepted through that station.

The Unalga (Alaska) station of the United States Naval Radio Service has been discontinued and service may be obtained through the Dutch Harbor station instead.

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