

RADIO SERVICE BULLETIN

ISSUED MONTHLY BY BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE

Washington, January, 1916—No. 13

CONTENTS.

	Page.		Page.
New stations:		Alterations and corrections—Continued.	
Land stations, by names.....	2	Land and ship stations, by call signals.....	4
Ship stations, by vessels.....	2	Miscellaneous:	
Special land stations, by names.....	2	Los Angeles amateurs reprimanded and	
Land and ship stations, by call signals.....	2	penalized.....	4
Special land stations, by call signals.....	3	Los Angeles amateurs reported for viola-	
Abbreviations.....	3	tions.....	6
Alterations and corrections:		Radio-Service personnel.....	5
Land stations, by names.....	3	Commercial extra first-grade licenses.....	5
Ship stations, by vessels.....	4	Prices of Berne publications.....	6

DEPARTMENT OF COMMERCE,
BUREAU OF NAVIGATION,
Washington, January 14, 1916.

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.

NEW STATIONS.

LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions to the List of Radio Stations of the United States, edition of July 1, 1915, and to the International List of Radiotelegraph Stations, published by the Berne bureau.]

Station.	Longitude and latitude (approximate).	Call signal.	Range.	System.	Wave lengths.
Anderson ¹		WZM		U. S. Army.....	
Buckroe ¹		WZL		do.....	
Colorado Springs, Colo. ²	O 104 50 00	KIY	70	Clapp-Eastham.....	300.425
Fort Caswell, N. C. ³	N 38 48 00	WUT		U. S. Army.....	825

¹ Service, 0; radio station operated and controlled by the U. S. Signal Corps, War Department, Washington, D. C. School ship, located at Fort Monroe, Va.

² Service, limited commercial; hours, X; radio station operated and controlled by Herbert C. Colburn.

³ Service, 0; hours, 8m.-10s.; radio station operated and controlled by the U. S. Signal Corps, War Department, Washington, D. C.

SHIP STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[Additions to the List of Radio Stations of the United States, edition of July 1, 1915, and to the International List of Radiotelegraph Stations published by the Berne bureau.]

Vessel.	Call signal.	System.	Wave lengths.	Owner of vessel.
Doehra* ¹	KGL	Marconi...	300,600	La Plata Steamship Co.
Eurana.....	KJG	do.....	300,600	Walker, Armstrong & Co.
Munamar.....	KUI	Marconi...	300,600	Munson Steamship Line.
Orleanian.....	KON	do.....	300,600	R. Lawrence Smith (Inc.).
Virginia (KFR)* ¹	KFR	do.....	300,600	Harby Steamship Co.

* Service, PG.

¹ Rates, North and South American service, 4c. per word 40c. minimum per radiogram, transoceanic service, 8c. per word 80c. minimum per radiogram. Radio station operated and controlled by the Marconi Co.

SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions to the List of Radio Stations of the United States, edition of July 1, 1915, only.]

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Cambridge, Mass.....	1XO	300,600	P	X	General Radio Co.
Wauitvale, Cal.....	6XN	300,600	P	X	National Wireless Telephone & Telegraph Co.
Boston, Ohio.....	8ZG	200,425	P	X	Henry W. Campbell.
Norwalk, Ohio.....	8ZI	200,425	P	X	Roy C. Burr.
Cheerlin, Ohio.....	8ZO	200,425	P	X	Ross Gunn.
Salt Lake City, Utah.....	8ZV	200,300,425	P	X	Julian G. McCollom.
San Francisco, Cal.....	6XO	300,600	P	X	National Wireless Telephone & Telegraph Co.

¹ Variable.

LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

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

Call signal.	Name.	Call signal.	Name.
KFR	Virginia.....	KUI	Munamar.....
KGL	Doehra.....	WUT	Fort Caswell, N. C.....
KIY	Colorado Springs, Colo.....	WZL	Buckroe.....
KJG	Eurana.....	WZM	Anderson.....
KON	Orleanian.....		

SPECIAL LAND STATIONS GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
1XO	First district: Cambridge, Mass.		
6XN	Sixth district:	8ZG	Eighth district:
6XO	Fruitvale, Cal.	8ZI	Ironton, Ohio.
6ZV	San Francisco, Cal.	8ZO	Norwalk, Ohio.
	Salt Lake City, Utah.		Oberlin, Ohio.

ABBREVIATIONS.

The necessary corrections to the List of Radio Stations of the United States and to the International List of Radiotelegraph Stations, appearing in this bulletin under the heading "Alterations and corrections," are published after the stations affected in the following order:

Name =Name of station.

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

Call =Call letters assigned.

System=Radio system used and sparks per second.

Range =Normal range in nautical miles.

W. L. =Wave lengths assigned: Normal wave lengths in italics.

Service=Nature of service maintained:

PG=General public.

PR=Limited public.

P=Private.

O=Government business exclusively.

Hours =Hours of operation:

N=Continuous service.

X=No regular hours.

m=a. m. (12m=midday).

s=p. m. (12s=midnight).

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

Notes =Refer to notes in the Berne list.

OTHER ABBREVIATIONS.

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

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, 1915, and to the International List of Radiotelegraph Stations published by the Berne bureau.]

AVALON, CAL.—System, Marconi, 240; W. L., 300, 530, 600.

CAPE HATTERAS, N. C.—System, Marconi, 430; W. L., 300, 550, 600; service, PG and PR. Notes, Radio station operated and controlled by the Marconi Co.

The station corresponds with a station at Virginia Beach, Va., when Weather Bureau's wire is out of order; rate, 1 c. per word 10 c. minimum per radiogram.

KAWAIIAE, T. H.—Service, limited commercial; strike out rates.

LAHAINA, ISLAND OF MAUI, T. H.—Service, limited commercial; strike out rates.

LIHUE, ISLAND OF KAUAI, T. H.—Service, limited commercial; strike out rates.

OAKLAND, CAL.—Range, 150; system, Composite, 1,000.

PHILADELPHIA, PA. (WHE).—Range, 100; system, Marconi, 240; service, PG and limited commercial.

SAN LUIS OBISPO, CAL.—Strike out all particulars.

WAHIAWA, ISLAND OF OAHU, T. H.—Service, PG.

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, 1916, and to the International List of Radiotelegraph Stations published by the Berne bureau.]

- AL-KI.—Range, 100; system, Marconi, 240.
 BAYWAY.—System, Marconi, 1,000.
 BRADFORD.—System, Marconi.
 CHICAGO (WFI).—Hours, X.
 CHRISTOPHER COLUMBUS.—Hours, X.
 CITY OF ATLANTA.—System, Marconi, 1,000; W. L., 300, 450, 600.
 COLORADO (KEA).—Strike out all particulars.
 DACIA.—Strike out all particulars.
 EASTLAND.—Strike out all particulars.
 ELLINGTON.—Range, 40; system, Composite; W. L., 300, 600; service, 0; hours, 10m-10.30m, 9s-9.30s.
 MELONIAN.—System, Marconi, 480.
 LAQUA.—System, Marconi; Notes, Radio station operated and controlled by the Marconi Co. John A. McGregor, owner of vessel.
 ILLINOIS (WCZ).—Hours, X.
 LLAMA.—Strike out all particulars.
 MINNESOTA (WEK).—Notes, Radio station operated and controlled by the Marconi Co. Northern Michigan Transportation Co., owner of vessel.
 MOTANO.—System, Marconi, 1,000.
 NANTUCKET.—Range, 150; system, Marconi, 1,000; W. L., 300, 450, 600; 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.
 NEVADA.—Range, 100; system, Kilbourne & Clark, 120; W. L., 300, 450, 500, 600; service, PG; hours, X; rate, 2 c. per word 20 c. minimum per radiogram. Note, Radio station operated and controlled by Goodrich Transit Co., owner of vessel.
 NEW YORK (KSN).—System, Marconi, 480; 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.
 PACIFIC (WRD).—Strike out all particulars.
 PIONEER (WPM).—Call, WPN.
 POWHATAN (KQY).—Range, 150; system, Marconi, 1,000; W. L., 300, 450, 600; rates, North and South American service, 4 c. per word, 40c. minimum per radiogram, transoceanic service, 8 c. per word 80 c. minimum per radiogram.
 ROMA (WTE).—Name, Tamesi; system, Marconi. Note, Freeport & Tampico Fuel Oil Transportation Corporation, owner of vessel.
 SOMERSET (KSU).—System, Marconi, 1,000.
 VIGILANCIA.—Notes, Radio station operated and controlled by the Marconi Co. Marine Transport Service Corporation, owner of vessel.
 WINDOM.—Name, Comanche.
 ZAPORA.—Note, Radio station operated and controlled by the Booth Fisheries Co., owner of vessel.

LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

NRW, read Comanche b; WTE, read, Tamesi b; strike out particulars following the call signals, KDN, KEA, KGD, KSI, WFN, and WRD.

MISCELLANEOUS.

LOS ANGELES AMATEURS REPRIMANDED AND PENALIZED.

Upon a recent inspection trip made by V. Ford Greaves, radio engineer of the Bureau, and Ellery W. Stone, assistant radio inspector at San Francisco, a number of amateurs were reported for violation of the fifteenth regulation of the act of August 13, 1912, for using a wave length in excess of 200 meters, and the following action in these cases has been taken by the Secretary of Commerce:

V. M. Bitz, 825 West Fifty-third Street, Los Angeles, Cal., licenses suspended.

Mark B. Cosby, 356 Hobart Avenue, Los Angeles, Cal., licenses suspended.
 Stuart Dalton, 121 East Twenty-third Street, Los Angeles, Cal., penalty remitted.
 Hadys Hancock, Venice Pier, Venice, Cal., fined.
 Freeman High, 726 West Twenty-seventh Street, Los Angeles, Cal., licenses suspended.

Horace Kemper, 173½ Loma Drive, Los Angeles, Cal., fined.
 Alfred McLaren, 534 West Forty-ninth Street, Los Angeles, Cal., licenses suspended.
 Ernest Underwood, 903 Commercial Street, Inglewood, Cal., fined.

John Bradley, 120 Julien Avenue, San Francisco, Cal., who was reported by the radio inspector at San Francisco for violation of sections 5 and 7 of the act of August 13, 1912, for the use of fraudulent call signals and interfering with the commercial traffic being handled by the Hillcrest station of the Marconi company and the steamship *J. A. Chanslor*, has been reprimanded by the Secretary of Commerce, and his licenses have been suspended.

LOS ANGELES AMATEURS REPORTED FOR VIOLATIONS.

In addition to the list of names given in Bulletin No. 12, the following amateurs were found to be operating stations without proper licenses, in violation of the radio act, and the cases have been referred to the United States district attorney for prosecution:

George Hawley, 1257 Cypress Avenue, Los Angeles, Cal.
 Jack Hyams, 119½ Spring Street, Los Angeles, Cal.
 Edmund Whiting, 1047 Mignonette Street, Los Angeles, Cal.

The maximum penalty for the above violation is \$500 fine and confiscation of the radio apparatus unlawfully used.

RADIO-SERVICE PERSONNEL.

Charles C. Kolster, assistant radio inspector at New York, N. Y., has been promoted to the position of radio inspector at New Orleans, La., to succeed Arthur R. Rice, who resigned on December 9, 1915. Harry Sadenwater, assistant radio inspector at New York, succeeds Mr. Kolster.

Charles Blankenship, assistant radio inspector at Chicago, Ill., has been transferred to the office of the chief radio inspector, New York, N. Y.

COMMERCIAL EXTRA FIRST-GRADE LICENSES.

The Department issues a special license, known as commercial extra first-grade, to radio operators whose trustworthiness and efficient service entitle them to confidence and recognition. These licenses are given consideration by the Civil Service Commission in examinations for positions requiring knowledge of radiotelegraphy, when experience is rated as a part of such examinations. Applicants for this grade of license must pass a special examination. To be eligible for this examination they must hold commercial first-grade licenses, and their certificates of skill in radio communication, issued under the act of June 24, 1910, or licenses under the act of August 13, 1912, must record 18 months' satisfactory commercial service at sea or at land stations, either or both, during the two years previous to the filing of the application for examination, as shown by indorse-

ment on the license service records, or other satisfactory evidence, and provided that the applicants have not been penalized for a violation of the radio laws and regulations. A speed of at least 30 words per minute, Continental Morse, and 25 words per minute, American Morse (five letters to the word), must be attained. The technical questions and the questions on the radio laws and regulations are considerably wider in scope than those for commercial first grade, and a higher percentage is required.

All examination papers, including the code test sheets, are marked and forwarded to the commissioner of navigation, with a recommendation by the radio inspector or examining officer. Examination papers are marked upon the basis of 100, and licenses are recommended only if 80 or better is attained.

During the past 18 months the Secretary of Commerce has issued commercial extra first-grade licenses to operators in the following order:

E. N. Pickerill, New York, N. Y.
 H. Sadenwater, New York, N. Y.
 R. R. Carlisle, San Francisco, Cal.
 D. I. Moir, Seattle, Wash.
 H. B. Herty, New Orleans, La.
 E. M. Cadwell, New York, N. Y.
 S. E. Miller, San Francisco, Cal.
 C. A. Scott, Boston, Mass.
 J. A. Worrall, New York, N. Y.
 E. K. Oxner, Boston, Mass.
 J. W. Swanson, New York, N. Y.
 A. E. Gerhard, San Francisco, Cal.

G. A. Geare, Washington, D. C.
 H. W. Sinclair, San Francisco, Cal.
 J. H. Benson, Philadelphia, Pa.
 E. W. Lovejoy, San Francisco, Cal.
 Leo F. Whitehead, Boston, Mass.
 W. J. Lynch, Brooklyn, N. Y.
 F. E. Nickel, San Francisco, Cal.
 J. W. Lee, Philadelphia, Pa.
 R. B. Black, San Francisco, Cal.
 Irving Ellingham, New York, N. Y.
 James Maratta, Philadelphia, Pa.
 Frank Orth, New York, N. Y.

PRICES OF BERNE PUBLICATIONS.

1. Official Nomenclature of Radiotelegraph Stations:

(a) Fourth edition, August, 1915 (English, French, or German), 3.60 francs per copy, postage not included; 4.90 francs per copy, postpaid.

(b) Supplements to the above list, issued monthly, 5 francs postpaid, for all supplements up to the end of the calendar year 1916.

2. Liste Alphabetique des Indicateurs d'Appel (alphabetical list of call letters):

(a) Third edition, July, 1913, 1.30 francs per copy, postage not included; 1.80 francs per copy, postpaid.

(b) Supplements to the above list to July 1, 1916, including back numbers, 4 francs, postpaid.

3. Conference of Berlin, 1906; 1 volume, 374 pages, 5 francs, postage not included.

4. Conference of London, 1912; 1 volume, 650 pages, 8 francs, postage not included.

5. International Radiotelegraphic Convention of London, with its Final Protocole and Service Regulations Attached; booklet of 35 pages, 40 centimes per copy, postage not included; 55 centimes, postpaid.

6. Extract of Service Attached to the London Convention; 5 centimes per copy, postage not included.

7. Time Signals and Meteorological Radiograms, Transmitted by the Eiffel Tower; 10 centimes per copy, postage not included; 15 centimes per copy, postpaid.

8. General Statistics of Radiotelegraphy; groups of publications relating to the situation on June 30, 1908, and during the years 1910 to 1913, inclusive, 35 centimes per fascicule, postpaid.

The above publications may be procured at the prices stated from the Director of the International Bureau of the Telegraph Union, Radiotelegraphic Service, Berne, Switzerland. Remittances should be made by means of international postal money orders.

ADDITIONAL COPIES

OF THIS PUBLICATION MAY BE PROCURED FROM
THE SUPERINTENDENT OF DOCUMENTS
GOVERNMENT PRINTING OFFICE
WASHINGTON, D. C.

AT
5 CENTS PER COPY
SUBSCRIPTION PRICE, 25 CENTS PER YEAR

