

# RADIO SERVICE BULLETIN

ISSUED MONTHLY BY BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE

Washington, February, 1916—No. 14

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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.*

## NEW STATIONS.

## 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.
Amazonia <sup>1</sup> .....	KOO	Marconi.....	300, 600	R. Lawrence Smith (Inc.).
Arctic <sup>2</sup> .....	WLH		300, 500, 600	Union Lumber Co.
Catania.....	WTI	Marconi.....	300, 600	Huasteca Petroleum Co.
Charles Pratt.....	KSQ	do.....	300, 600	Standard Oil Co. of New Jersey.
Dade.....	KXU	do.....	300, 600	Miami Steamship Co.
Diana.....	KZM	do.....		C. Ledyard Blair.
Floridian <sup>3</sup> .....	WLR	{ Kilbourne & Clark, 240.	300, 450, 525, 600	American-Hawaiian Steamship Co.
Healdton.....	KOF	Marconi.....	300, 600	Standard Oil Co. of New Jersey.
Henry Williams.....	KRL	do.....	300, 600	Vacuum Oil Co.
Jacob Jones.....	NKG	do.....	300, 600	United States Naval Radio Service, Radio, Va.
Munwood.....	KUH	Marconi.....	300, 600	Munson Steamship Co.
New York (KUW)	KUH	do.....	300, 600	Texas Co.
Santa Barbara <sup>4</sup> .....	WBJ	do.....	300, 600	Atlantic & Pacific Steamship Co.
Texas (KUM).....	KUM	do.....	300, 600	Texas Co.

<sup>1</sup> 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. Radio station operated and controlled by the Marconi Co.

<sup>2</sup> Station operated and controlled by Higgins Steamship Co.

<sup>3</sup> Range, 100; 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. Station operated and controlled by the American-Hawaiian Steamship Co., owner of vessel.

<sup>4</sup> Service, PG.

## 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—
Columbia, Mo.....	9XQ	425, 800	P	X	University of Missouri.
Fall River, Mass.....	1ZF	200, 425, 600	P	X	Harold C. Bowen.
Lincoln, Nebr.....	9XT	300, 450	P	X	Thomas C. Rice.
Little Rock, Ark.....	5XO	<sup>1</sup> 625	P	X	Ed Cornish.
San Antonio, Tex. (5ZF).....	5ZF	300, 450, 600	P	(?)	Sidney Friederich.
San Antonio, Tex. (5ZR).....	5ZR	200, 300, 450	P	(?)	John C. Rodriguez.
Seattle, Wash. (7XZ).....	7XZ	<sup>1</sup> 600, 680	P	X	University of Washington.
Worcester, Mass.....	1YK	(1)	P	X	Worcester Polytechnic Institute.

<sup>1</sup> Variable.

<sup>2</sup> 8 p. m. to 11.30 p. m.

<sup>3</sup> 8.15 p. m. to 11.30 p. m.

## SPECIAL LAND STATIONS, GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
1YK	First district:	7XZ	Seventh district: Seattle, Wash.
1ZF	Worcester, Mass.	9XQ	Ninth district:
	Fall River, Mass.	9XT	Columbia, Mo.
5XO	Fifth district:		Lincoln, Nebr.
5ZF	Little Rock, Ark.		
5ZR	San Antonio, Tex. (5ZF).		
	San Antonio, Tex. (5ZR).		

## SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Name.	Call signal.	Name.
KOF	Healdton.	KXU	Dade.
KOO	Amazonia.	KZM	Diana.
KRL	Henry Williams.	NKG	Jacob Jones.
KSQ	Charles Pratt.	WBJ	Santa Barbara.
KUH	Munwood.	WLH	Arctic.
KUM	Texas.	WLR	Floridian.
KUW	New York.	WTI	Catania.

## 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.]

ANDERSON.—Notes, Radio station operated and controlled by Coast Artillery Corps, United States Army, Washington, D. C. Training school station, Coast Artillery School, located at Fort Monroe, Va.

BENTON HARBOR, MICH.—Range, 60; system, Marconi, 120.

BUCKROE.—Notes, Radio station operated and controlled by Coast Artillery Corps, United States Army, Washington, D. C. Training school station, Coast Artillery School, located at Fort Monroe, Va.

ENSENADA, P. R.—Hours, week days, 8m–12m, 2s–5s; Sundays, 9m–12m.

JACKSONVILLE, FLA.—Hours, 6m–8m, 10m–1s, 4s–7s.

KVICHAK, ALASKA (KML).—Name Alockanok River, Alaska. Note, Station limited to correspondence with ship and shore stations of the North Alaska Salmon Co.

KVICHAK, ALASKA (KMT).—Name, Hales Creek, Alaska; service, P. Note, Station limited to correspondence with ship and shore stations of the North Alaska Salmon Co.

SEATTLE, WASH. (KPE).—Range, 200; system, Kilbourne & Clark, 240. Notes, Rate, PG, 6 c. per word 60 c. minimum per radiogram.

## 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, 1915, and to the International List of Radiotelegraph Stations published by the Berne Bureau.]
- ASTRAL.**—Change name to Standard II.
- BREAKWATER.**—System, Marconi, 120; 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. Note, North Pacific Steamship Co., owner of vessel.
- CAMINO.**—Note, Barber & Co., owner of vessel.
- CITY OF COLUMBUS.**—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.
- COAMO.**—Note, W. L., 300, 450, 600.
- COLON (WHO).**—Strike out all particulars.
- COLUMBIA (KYM).**—Strike out all particulars.
- COMAL.**—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.
- EURANA.**—(Incorrectly spelled "Eruana," in list of ship stations, alphabetically by names of vessels, in Bulletin No. 13.) Notes, 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. Radio station operated and controlled by the Marconi Co.
- FINLAND.**—System, Marconi, 480. Note, 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.
- GARGOYLE.**—Range, 300; system, Marconi, 1,000; service, PG, hours, X. Notes, 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. Radio station operated and controlled by the Marconi Co.
- MOHAWK (KVM).**—System, Marconi, 1,000; W. L., 300, 450, 600. Note, 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.
- MUNAMAR.**—Range 200; system, Marconi, 480; service, PG; hours, N; Munson Steamship Co., owner of vessel. Notes, 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. Radio station operated and controlled by the Marconi Co.
- NEW YORK (KNK).**—Strike out all particulars.
- OCEANA.**—Strike out all particulars.
- OWERA.**—Strike out all particulars.
- PARAGUAY.**—System, Marconi, 400; hours, X. Note, 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.
- PHILADELPHIA (KSM).**—System, Marconi, 240. Note, 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.
- PILOT BOY.**—Strike out all particulars.
- PONCE.**—System, Marconi, 1,000; W. L., 300, 450, 600. Note, 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.
- ROANOKE.**—System, Marconi, 400.
- ROSE CITY.**—System, Marconi, 400.
- ST. PAUL (KSO).**—System, Marconi, 480. Note, 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.
- SANDY HOOK.**—Strike out all particulars.
- SAN RAMON.**—Note, Parr-McCormick Steamship Line, owner of vessel.
- SANTA CLARA (WRS).**—Strike out all particulars.
- SUWANNEE.**—Note, 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.
- TAMESI.**—Notes, 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. Radio station operated and controlled by the Marconi Co.
- TATOOSH.**—Note, Anacortes Fisheries Co.
- TEXAS (KUR).**—Change name to Georgia.
- VIGILANCIA.**—Note, Roger L. Farnum, owner of vessel.
- WAPAMA.**—Note, Wapama Steamship Co., owner of vessel.

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

KML, *read* Alockanok River, Alaska c; KMT, *read* Hales Creek, Alaska c; KSA, *read* Standard II b; KUR, *read* Georgia b; strike out all particulars following the call signals KNJ, KNK, KNV, KPL, KYM, KZG, WHO, and WRS.

## SPECIAL 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, only.]

ILLIOPOLIS, ILL.—Strike out all particulars.

NEW BEDFORD, MASS.—Strike out all particulars.

SPRINGFIELD, ILL.—W. L., 600, 1800.

## SPECIAL LAND STATIONS, ALPHABETICALLY BY CALL SIGNALS.

Strike out 1ZO and 9ZK.

## MISCELLANEOUS.

## PORTUGUESE GOVERNMENT ERECTS RADIO STATION.

Information has just been received from Vice Consul Ramon I. Janer, at Lisbon, to the effect that the Portuguese Government has recently constructed a building near Leixoes (Oporto) for the purpose of installing a radio station, and that the apparatus is to be installed shortly.

## THE SAFETY-FIRST EXHIBIT.

The several departments of the Government are arranging a "safety-first" exhibit, to be held in the New National Museum Building, Washington, D. C., during the week beginning February 21, 1916. In connection with the exhibit the Bureau of Navigation Radio Service will display a complete radio set and the various instruments used by radio inspectors in connection with the enforcement of the radio laws. The public is invited to attend this exhibit.

## SAGAPONACK STATION CLOSED.

The Sagaponack station of the Marconi company, located at Long Island, N. Y., has been temporarily closed. However, the name of this station should not be stricken from the list unless information to that effect appears in a subsequent bulletin.

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