

RADIO SERVICE BULLETIN

ISSUED MONTHLY BY BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE

Washington, October 1, 1916—No. 22

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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.

NEW STATIONS.

LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions 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.]

Station.	Longitude and latitude (approximate).	Call signal.	Range.	System.	Wave lengths.
Chichagof, Alaska ¹	O 136 9 20 N 57 36 30	KWW	50	Composite.....	300, 550, 600
Independence, Kans. ²	O 95 44 00 N 37 14 00	WQL	150	Composite, 480.....	1700
Kensington, Alaska.....		KDN		Marconi.....	
Wells, Minn. ³	O 93 45 00 N 43 45 00	WPT	150	Marconi, 240.....	500
Wichita, Kans. ⁴	O 97 20 00 N 37 42 00	WQM	200	Composite, 480.....	1700

¹ Service, limited commercial; hours, X. Radio station operated and controlled by Joseph T. Bauer. The station is limited to communication with Sitka and Juneau, Alaska, and ships of the Alaska Steamship Co. and the Pacific Coast Steamship Co.

² Service, limited commercial; hours, X. Radio station operated and controlled by Kansas Gas & Electric Co. The station is limited to communication with Wichita and Pittsburg, Kans.

³ Service, limited commercial; hours, X. Radio station operated and controlled by Wells Flour Mill Co. The station is limited to communication with stations of the International Milling Co.

⁴ Service, limited commercial; hours, X. Radio station operated and controlled by Kansas Gas & Electric Co. The station is limited to communication with Independence and Pittsburg, Kans.

SHIP STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[Additions 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.]

Vessel.	Call signal.	System.	Wave lengths.	Owner of vessel.
Admiral Goodrich ¹	WRJ	Kilbourne & Clark, 1,000....	300, 440, 520, 600	Pacific-Alaska Navigation Co.
Eureka.....	WAE	300, 600	Alaska Steamship Co.
Henry R. Mallory ²	KFF	Marconi.....	300, 600	Mallory Steamship Co.
Kuskokwim River ³	WLK	Marconi, 1,000.....	300, 450, 600	Westward Nav. Co. (Inc.)
Luckenbach No. 1.....	KEO	Kilbourne & Clark.....	Edgar F. Luckenbach.
Maryland.....	KIN	Marconi.....	300, 600	Crew Levick & Co.
Santa Alicia ⁴	WSJ	Marconi, 480.....	300, 600	W. R. Grace & Co.
Sunoil ¹	KWP	Marconi.....	300, 600	Sun Co.

¹ Range, 200; service, PG; hours, N; rates, 4 c. per word, 40 c. minimum per radiogram. Radio station operated and controlled by Pacific-Alaska Navigation Co., owner of vessel.

² Service, PG.

³ Range, 150; 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. Radio station operated and controlled by Marconi Co.

⁴ Service, PG; 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 Marconi Co.

LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

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

Call signal.	Name.	Call signal.	Name.
KDN	Kensington, Alaska.....	c	
KEF	Henry R. Mallory.....	b	WLK
KEO	Luckenbach No. 1.....	b	WPT
KIN	Maryland.....	b	WQL
KWP	Sunoil.....	b	WQM
KWW	Chichagof, Alaska.....	c	WRJ
WAE	Eureka.....	b	WSJ
			Kuskokwim River.....
			Wells, Minn.....
			Independence, Kans.....
			Wichita, Kans.....
			Admiral Goodrich.....
			Santa Alicia.....

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.

NOTICE.

It will be noted that the additions, alterations, and corrections contained in this Bulletin apply to the List of Radio Stations of the United States, edition of July 1, 1916, which is now in the hands of the printer, although it is not possible at this time to anticipate its delivery. All additions, alterations, and corrections appearing in this and later editions of the Bulletin should be saved and inserted in the new annual list as soon as it is received.

A sufficient number of blank pages will be inserted in the back of the new list in order that these particulars may be clipped and pasted therein, enabling radio operators and others concerned to keep their annual list up to date with very little trouble.

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

DAVENPORT, IOWA.—Strike out all particulars.

DOVER, N. J.—Strike out all particulars.

MARSHFIELD, OREG.—Range, 150; hours, first and last 15 minutes of each hour from 8m. to 6s., time of the meridian 120° west of Greenwich.

NEWPORT, R. I. (WCI).—System, Fessenden, 1,000.

PORTLAND, OREG. (KGN).—System, composite, 450. Note, Station is restricted to communication with Underwood, Wash.

PORT WALTER, ALASKA.—Service, PG; hours, X; rates, 8 c. per word 80 c. minimum per radiogram.

RIALTO, CAL.—G. loc., O 117° 26' 53'', N. 34° 12' 08''.

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.]

- ALGONQUIN (KVG).—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.
- AROLINE.—Strike out all particulars.
- ARTISAN.—Strike out all particulars.
- BATON ROUGE.—System, Marconi, 1,000; W. L., 300, 450, 600; hours, X. Note, Radio operated and controlled by the Marconi Co.
- BAYWAY.—System, Marconi, 1,000; W. L., 300, 450, 600; hours, X. Note, Radio station operated and controlled by the Marconi Co.
- BRILLIANT.—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.
- BRUNSWICK.—Range, 150; 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.
- CALIFORNIAN (WKC).—System, Telefunken, 1,000; hours, X.
- CAMINO.—System, Marconi, 400; hours, X.
- CITY OF DETROIT II.—Hours, N.
- CITY OF EVERETT.—Note, Standard Transportation Co., owner of vessel.
- CITY OF SYDNEY.—Strike out all particulars.
- CITY OF TAUNTON.—System, Fessenden, 260; W. L., 300, 550, 600.
- CLINCHER.—Range, 100; W. L., 300, 450, 600.
- COMET (KTJ).—Range, 200; system, Marconi, 1,000; W. L., 300, 450, 600; 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, Standard Transportation Co., owner of vessel.
- CORNING.—W. L., 300, 450, 600.
- CRASTER HALL.—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.
- CUSHING (KSC).—W. L., 300, 450, 600.
- DIANA.—Range, 100; system, Marconi, 1,000; W. L., 300, 450, 600; service, PG; hours, X.
- D. G. SCOFIELD.—Range, 150; system, Marconi, 1,000; W. L., 300, 450, 600, 1800 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, Radio station operated and controlled by the Marconi Co.
- DOCHRA.—Range, 300; system, Marconi, 1,000; W. L., 300, 450, 600; hours, X. Note, Radio station operated and controlled by the Marconi Co. Barber & Co. (Inc.), owner of vessel.
- EL SIGLO.—System, Marconi, 1,000; W. L., 300, 450, 600; 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.
- ERSKINE M. PHELPS.—Strike out all particulars.
- EXCELSIOR.—W. L., 300, 450, 600.
- FRANCIS HANIFY.—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.
- GETTYSBURG.—Range, 100; system, Marconi, 480; 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, Radio station operated and controlled by the Marconi Co.
- GULF COAST.—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.
- H. C. FOLGER.—Service, PG; 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 Marconi Co.
- HYADES.—Range, 200; system, Marconi, 1,000; W. L., 300, 450, 600.
- J. B. STETSON.—Strike out all particulars.

- J. W. VAN DYKE.**—Service, PG; 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 Marconi Co.
- KANSAN.**—Hours, N.
- KOREA.**—Strike out all particulars.
- MAITLAND No. 1.**—Range, 100; system, Marconi, 480; hours, X.
- MOONLITE.**—Range, 100; system, Marconi, 1,000; W. L., 300, 450, 600; hours, X.
- MOOREMACK.**—Range, 200; system, Marconi, 400; 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, Radio station operated and controlled by the Marconi Co.
- MORENI.**—W. L., 300, 450, 600; hours, X. Note, Radio station operated and controlled by the Marconi Co.
- MOTANO.**—W. L., 300, 450, 600; hours, X. Note, Radio station operated and controlled by the Marconi Co.
- MOUNT HOPE.**—W. L., 300; service, P (emergency only).
- MUSKOGEE.**—W. L., 300, 450, 600.
- PANUCO.**—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.
- PERFECTION.**—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.
- RADIANT.**—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.
- RIO GRANDE (KEG).**—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.
- St. LOUIS (KSL).**—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.
- SAN RAMON.**—Hours, X. Note, San Ramon Steamship Co., owner of vessel.
- SANTA ALICIA.**—Strike out all particulars.
- SEWARD.**—Rates, 4 c. per word 40 c. minimum per radiogram. Note, William C. Procter, owner of vessel.
- SOCONY.**—Note, Standard Transportation Co., owner of vessel.
- STARLITE.**—Range, 200; system, Marconi, 1,000; W. L., 300, 450, 600; hours, X.
- SUCROSA.**—Range, 300; system, Marconi, 1,000; service, PG; hours, X.
- TASCO.**—W. L., 300, 600.
- TRINIDADIAN.**—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.
- VESTA (KTS).**—System, Marconi, 1,000; W. L., 300, 450, 600. Note, Standard Transportation Co., owner of vessel.
- VIGILANCIA.**—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, Gaston, Williams & Wigmore, owners of vessel.
- VIRGINIA (KFR).**—Range, 200; system, Marconi, 1,000; W. L., 300, 450, 600; hours, X.
- WANA.**—Strike out all particulars.
- W. B. FLINT.**—Strike out all particulars.

MISCELLANEOUS.

COMMERCIAL RADIO OPERATORS LICENSED DURING MONTH OF AUGUST¹
1916.*First grade.*

Date.	Licensee.	Address.	Serial number.	Where issued.
7	Betts, Philander H.	238 Valley Rd., Montclair, N. J.	14683	Brooklyn. ²
4	Buckingham, Eldridge.	2760 Scott St., San Francisco, Cal.	12372	San Francisco. ¹
2	Burbop, Harold J.	Valparaiso, Ind.	13713	Chicago. ¹
19	Cockett, William	666 56th St., Brooklyn, N. Y.	14689	Brooklyn. ²
9	Cooke, Robert L.	758 Kinan St., Honolulu, Hawaii.	13306	Honolulu. ²
2	Corey, Harry E.	Valparaiso, Ind.	13712	Chicago. ¹
14	Fish, Edward H.	27 Highland Ave., Middletown, N. Y.	14685	Brooklyn. ²
2	Fisher, Frank S.	6051 Woodawn Ave., Chicago, Ill.	13711	Chicago. ¹
16	Flack, Henry	830 Park Ave., Brooklyn, N. Y.	14688	Brooklyn. ²
16	Gittleson, Mitchell	912 E. 180th St., New York, N. Y.	14686	Brooklyn. ²
31	Harris, Charles C.	Freeport, N. Y.	14075	New York. ¹
23	Hatch, William B.	16 Cherry St., Collingdale, Pa.	13103	Mare Island. ²
17	Hyams, Jack	119½ S. Spring St., Los Angeles, Cal.	12377	San Francisco. ¹
24	Johnston, James E.	1379 Clay Ave., New York, N. Y.	14690	San Francisco. ²
4	Kendall, Lewis F., jr.	Millville, N. J.	14682	Brooklyn. ²
4	Kilton, James A., jr.	21 Lasell St., Auburndale, Mass.	14260	Boston. ¹
3	Larson, Louis J.	971 Mission St., San Francisco, Cal.	12371	San Francisco. ¹
28	Marshall, Floyd W.	8 Avery Terrace, Detroit, Mich.	13717	Chicago. ¹
31	Moore, Daniel D.	2308 N. Charles St., Baltimore, Md.	14262	Boston. ¹
22	Norris, George H.	77 Melbourne Ave., Detroit, Mich.	13718	Detroit. ¹
9	O'Day, Howard H.	1706 Warwick Ave., Baltimore, Md.	12178	Baltimore. ¹
12	Phillips, Warren, jr.	600 N. Olympia St., New Orleans, La.	12298	New Orleans. ¹
22	Platt, Paul T.	122 Sycamore St., Winter Hill, Mass.	14261	Boston. ¹
17	Roberts, Walter C.	U. S. Naval Radio Station, Yerba Buena, Cal.	12379	San Francisco. ¹
2	Russell, Stanley R.	218 Willow Ave., Somerville, Mass.	12911	Philadelphia. ²
25	Schmeling, Gustav J.	300 Lake Ave., Seattle, Wash.	14120	Seattle. ¹
29	Setzen, Harry T.	Fort Mason, Cal.	12380	San Francisco. ¹
16	Shebat, Herbert V.	2825 Hennepin Ave., Minneapolis, Minn.	14687	Brooklyn. ²
16	Shields, William L.	U. S. S. Ajax, care postmaster, San Francisco, Cal.	12179	Baltimore. ¹
15	Spenser, Edward R.	1640 23d Ave., Oakland, Cal.	12376	San Francisco. ¹
11	Stevenson, William H.	733 Fillmore St., San Francisco, Cal.	12374	San Francisco. ¹
4	Taylor, Francis J.	U. S. S. Androscoggin, care postmaster, Boston, Mass.	14259	Boston. ¹
31	Van Scherpenroell, G. H.	Rotterdam, Holland.	14076	New York. ¹
29	Werlein, Edwin.	4060 Lincoln Ave., Chicago, Ill.	13718	Chicago. ¹
17	Westcott, Laurence M.	U. S. Naval Radio Station, Yerba Buena, Cal.	12378	San Francisco. ¹
26	Wiehr, Jack A.	S. S. Admiral Schley, Seattle, Wash.	14125	Seattle. ¹
15	Wisner, Fred L.	1346 30th St., San Diego, Cal.	12375	San Francisco. ¹
22	Young, David H.	850 Oak St., Columbus, Ohio.	13715	Detroit. ¹
11	Zelevovitch, Emanuel.	705 Jackson St., Oakland, Cal.	12373	San Francisco. ¹

Second grade.

2	Autry, James L., jr.	5 Courtlandt Pl., Houston, Tex.	12385	Chicago. ¹
17	Bennett, Heribert P.	4202 N. Winchester Ave., Chicago, Ill.	12337	Chicago. ¹
11	Bradshaw, Clyde B.	57 Billings Rd., Quincy, Mass.	12065	Boston. ¹
2	Church, Arthur B.	Lamoni, Iowa.	13714	Chicago. ¹
10	Collins, Frank J.	22 Cedar St., Yonkers, N. Y.	13821	Brooklyn. ²
10	Earle, Robert E.	Elgin, Iowa.	12336	Chicago. ¹
18	Marsh, Albert A.	11 Heard St., Chelsea, Mass.	12066	Boston. ¹
8	Noyes, William A., jr.	1005 Nevada St., Urbana, Ill.	13820	Brooklyn. ²
2	Rhoads, George L.	St. Albans, W. Va.	12384	Chicago. ¹
2	White, Donald G.	Valparaiso, Ind.	12383	Chicago. ¹

¹ Issued by radio inspector, Department of Commerce.² Issued by radio examining officer, Navy Department.

ALASKAN NAVAL RATES.

The Director of Naval Communications announces that, effective on and after October 1, 1916, the following rates, to conform as near as possible to the Washington-Alaska Military Cable and Telegraph system rates effective that date, will be placed in effect via the Naval Communication Service in Alaska. These rates will supersede all other rates in effect over this system. Full instructions will be issued by this office through amendments to the commercial traffic regulations.

SHIP-TO-SHORE SERVICE.

All traffic to or from ships at sea will be prefixed "Radio." Cable count will be used. Ten-word minimum will be required.

Naval radio stations at St. Paul, St. George, Dutch Harbor, Kodiak, Cordova, and Sitka will apply a 6-cent coast tax.

Service between any point in Alaska reached by the Naval Communication Service or the Washington-Alaska Military Cable and Telegraph system and any of these stations will carry a rate of 5 cents per word additional. This will also include North Head or Seattle for local delivery or for transfer to other systems to reach points beyond these systems. The traffic may be routed via either the Naval Communication Service or cable service or both. This rate does not include other line charges. Same should be added if it is necessary to employ other lines to reach destination. All commercial traffic for California should be forwarded to North Head and there placed on the wire instead of relaying to Eureka.

POINT-TO-POINT SERVICE.

The following rates will apply. Domestic count with 10-word minimum will be used (address and signature not counted). Both night service and night-letter service will be accepted. Collect replies will be accepted in either direction. No other collect traffic will be accepted. Prefix "Radio" will not be used.

	Day rate.	Night rate.
	Cents.	Cents.
North Head to Sitka (radio or cable).....	10	8
North Head to Cordova (radio or cable).....	15	11
North Head to Dutch Harbor, St. Paul, St. George, Kodiak.....	19	14
Sitka to Cordova (radio or cable).....	10	8
Cordova (radio or cable office) to St. Paul, St. George, Dutch Harbor, Kodiak.....	4	3
Dutch Harbor to St. Paul, St. George, Kodiak, Cordova (radio or cable office).....	4	3
St. Paul to St. George, Kodiak, Dutch Harbor, Cordova (radio or cable office).....	4	3
Kodiak to St. Paul, St. George, Dutch Harbor, Cordova (radio or cable office).....	4	3
Sitka to St. Paul, St. George, Dutch Harbor, Kodiak.....	9	7
St. Paul to Nome (includes Nome station charge).....	10	8

Two-cent loop charge (25 cents minimum charge per message) between Cordova radio and Cordova cable, also between Sitka radio and Sitka cable, will apply on local traffic only between such points.

Other radio stations in Alaska desiring to exchange traffic with the Naval Communication Service must communicate with the nearest naval radio station. Navy station receiving charge of 6 cents per word (10-word minimum) will apply. Add charges beyond.

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