

RADIO SERVICE BULLETIN

ISSUED MONTHLY BY BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE

Washington, July 1, 1916—No. 19

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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.

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.	System.	Range.	Wave lengths.
Cape St. Elias, Alaska ¹	O 144 36 18 N 59 47 48	NLQ	United States Bureau of Lighthouses, 1000.	100	600, 800, 1000, 1200.
Providence, R. I. ²	O 71 25 00 N 41 49 00	WPF	Chaffee arc.....	100	300, 425, 600

¹ Service, PG; rates, 6 c. per word 60 c. minimum per radiogram (ship communication, cable count; shore communication, domestic count). Note, Radio station operated and controlled by United States Bureau of Lighthouses, Washington, D. C.

² Service, P; hours, X. Note, Radio station operated and controlled by Dutee W. Flint. The station communicates only with the owner's yacht.

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.
Aztec (KZC).....	KZC	Marconi.....	A. C. Burrage.
Bacoi ¹	KJU	Marconi, 1000.....	300, 450, 600	Standard Oil Co. of New Jersey.
Clincher.....	KMC	Marconi.....	300, 600	Cinchfield Navigation Co.
George E. Paddleford ²	WIV	do.....	300, 450, 600	Petroleum Transport Co.
Gettysburg.....	WCK	do.....	300, 600	Moore & McCormick Co.
Halcyon ³	KZL	Chaffee arc.....	300, 425, 600	Dutee W. Flint (yacht).
J. M. Danziger ⁴	WIV	Marconi.....	300, 450, 600	Petroleum Transport Co.
Josephine.....	KZU	do.....	Joseph Widener.
Norwood ⁴	WSG	Kilbourne & Clark, 500.....	300, 450, 525, 600	Pacific-American Fisheries Co.
Westoll.....	KJT	Marconi.....	300, 600	Standard Oil Co. of New Jersey.

¹ 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. Note, Radio station operated and controlled by Marconi Co.

² 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 Marconi Co.

³ Service, P; hours, X. Note, Radio station operated and controlled by owner of vessel.

⁴ Range, 250; service PG; hours, X; rates, 4 c. per word 40 c. minimum per radiogram. Note, Radiogram station operated and controlled by owner of vessel.

LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

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

Call signal.	Name.	Call signal.	Name.		
KJT	Westoll.....	b	NLQ	Cape St. Elias, Alaska.....	c
KJU	Bacoi.....	b	WCK	Gettysburg.....	b
KMC	Clincher.....	b	WIV	George E. Paddleford.....	b
KZC	Aztec.....	b	WIV	J. M. Danziger.....	b
KZL	Halcyon.....	b	WPF	Providence, R. I.....	c
KZU	Josephine.....	b	WSG	Norwood.....	b

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 length.	Service.	Hours.	Station controlled by—
Bakersfield, Ohio.....	6ZW	200, 425.....	P	X	Lindley Winsor.
Beverly Farms, Mass.....	1ZH	200, 300, 425, 600.	P	X	Wilbur H. Hardy.
Eldora, Iowa.....	9ZI	200, 425.....	P	X	Donald R. Lewis.
Lewiston, Mont.....	7ZC	200, 425.....	P	X	Arthur C. Campbell.
Marlboro, Mass.....	1XS	300, 600, variable.	P	X	Louis Waldo Stevens.
Morgantown, W. Va.....	8XG	650.....	P	X	C. W. Waggoner (West Virginia University).
New Rochelle, N. Y.....	2ZK	280, 425.....	P	X	George C. Cannon.
New York, N. Y.....	2ZA	300, 450, 600.....	P	X	New York police department.
Pierre, S. Dak.....	9ZP	200, 425.....	P	X	Dana McNeil.
Pittsburgh, Pa.....	8XC	1800, 2100, 3000.....	P	X	Carnegie Institute of Technology.
Seattle, Wash.....	7XE	300, 600, variable.	P	X	Marconi Co.
Stillwater, Minn.....	9YM	200, 300, 425.....	P	X	Fred B. Wood, Company K, Third Infantry, Minnesota National Guard.
Vancouver, Wash.....	7ZN	200, 300, 425, 600.	P	X	George H. Wallace.
Washington, D. C.....	3ZW	200, 425.....	P	X	Walther A. Parks.

SPECIAL LAND STATIONS, GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
1XS	First district: Marlboro, Mass.	7ZC	Seventh district—Continued.
1ZH	Beverly, Mass.	7ZN	Lewiston, Mont.
2ZA	Second district: New York, N. Y.	8XC	Vancouver, Wash.
2ZK	New Rochelle, N. Y.	8XG	Eighth district: Pittsburgh, Pa.
3ZW	Third district: Washington, D. C.	9YM	Morgantown, W. Va.
6ZW	Sixth district: Bakersfield, Cal.	9ZI	Ninth district: Stillwater, Minn.
7XE	Seventh district: Seattle, Wash.	9ZP	Eldora, Iowa.
			Pierre, S. Dak.

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.]

BOLINAS, CAL.—Range, 3,500; system, Marconi, 420; W. L., 6,100; service, limited commercial; hours, N; rates, cable count, 25 c. per word. Lettergrams \$1 for first 12 words, each additional word 8 c. Week-end letters, \$1.50 for first 24 words, each additional word 6 c. Note, Radio station operated and controlled by Marconi Co. The station communicates only with Koko Head, T. H.

EGEGAK, ALASKA.—W. L., 300, 500, 600; service, limited commercial. Note, Station limited to correspondence with ship and land stations of North Alaska Salmon Co.

FORT SHAFTER, HONOLULU, T. H.—Strike out all particulars.

HEEIA POINT, ISLAND OF OAHU, T. H.—W. L., 300, 600, 1,800, 3,000, 8,000, 9,300, 10,600; service PG and limited commercial; hours, 7.30m-11.30s. Note.—Radio station operated and controlled by Federal Telegraph Co. The station also communicates with South San Francisco, Cal., and Portland, Oreg.; rates, cable count, 25 c. per word to South San Francisco and 29 c. per word to Portland.

HOLLISTER, CAL.—System, Composite, 240; service, limited commercial. Note, Radio station operated and controlled by Palmer B. Hewlett. Station restricted to communicate with Oakland, Cal. (KGI).

HULL, MASS.—Strike out all particulars.

INGLEWOOD, CAL.—G. loc., O 118° 19' 48", N. 33° 58' 04"; range, 500; W. L., 300, 600, 3,300, 4,000; service, limited commercial; hours, 9m-6s. Note, Radio station operated and controlled by Federal Telegraph Co. Station communicates only with San Francisco, Cal., San Diego, Cal., and Phoenix, Ariz.; rates, for 15 words to San Diego, 25 c.; to San Francisco, 40 c.; to Phoenix, 50 c.¹

JACKSONVILLE, FLA.—W. L., 300, 450, 600; hours, 6m-8m, 10m-ls, 4s-7s.

KOJUNG, ALASKA (KVV).—G. loc., O 156° 55' 30", N. 58° 52' 30"; range, 250; system, KILBOURNE & CLARK, 1,000; service, PG; hours, 6.30s-9.30s; rates, 6 c. per word, 60 c. minimum per radiogram.

KOKO HEAD, ISLAND OF OAHU, T. H.—Range, 2,200; system, Marconi, 420; W. L., 6,200; hours, N. Note, Radio station operated and controlled by Marconi Co. The station communicates only with Bolinas, Cal., and Tahiti, T. H.; rates, cable count, 25 c. per word. Lettergrams, \$1 for the first 12 words; each additional word, 8 c. Week-end letters, \$1.50 for first 24 words, each additional word, 6 c. Tahiti press rate, 20 c. per word.

LOS ANGELES, CAL. (KLS).—Range, 1,000; Federal-Poulsen arc; W. L., 300, 600, 1,800, 2,800, 3,250; service, PG; hours, 4m-10s; 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. Note, Radio station operated and controlled by Federal Telegraph Co. The station also communicates with San Francisco, Cal., San Diego, Cal., and Phoenix, Ariz. Rates, for 15 words to San Diego, 25 c.; to San Francisco, 40 c.; to Phoenix, 50 c.¹

MIAMI, FLA.—W. L., 300, 450, 600.

NEWTON, MASS.—Strike out all particulars.

NUSHAGAK, ALASKA.—W. L., 300, 500, 600; service, limited commercial. Note, Station limited to correspondence with ship and land stations of North Alaska Salmon Co.

PORT MOLLER, ALASKA.—Range, 250; hours, 6.30s-9.30s; rates, 6 c. per word, 60 c. minimum per radiogram.

SAN FRANCISCO, CAL. (KFS).—System, Federal-Poulsen arc; W. L., 300, 600, 1,800, 3,000, 3,500; service, PG; hours, 7m-2m; 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. Note, Radio station operated and controlled by Federal Telegraph Co. The station also communicates with Los Angeles, Cal., San Diego, Cal., and Portland, Oreg.; rates, for 15 words to San Diego, 40 c., to Los Angeles, 40 c., to Portland, 50 c.¹

SAVANNAH, GA.—W. L., 300, 450, 600.

¹ See table on p. 5, giving detailed explanation of rates.

SOUTH SAN FRANCISCO, CAL.—System, Federal-Poulsen arc; W. L., 300, 600, 1,800, 5,000, 8,000, 10,000; service, PG; 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. Note, Radio station operated and controlled by the Federal Telegraph Co. The station also communicates with San Diego, Cal., Los Angeles, Cal., Portland, Oreg., and Honolulu, T. H.; rates for 15 words to San Diego, 40 c.; to Los Angeles, 40 c.; to Portland, 50 c.; to Honolulu, 25 c. per word, cable count. Night letters to Honolulu, \$1 for first 12 words, 8 c. for each additional word, cable count. Week-end letters to Honolulu, \$1.50 for first 24 words, 6 c. for each additional word, cable count.¹

SAN DIEGO, CAL. (KSD).—Range, 500; system, Federal-Poulsen arc, 250; W. L., 300, 600, 1,800, 2,800; service, PG; hours, 4m–8s; 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. Note, Radio station operated and controlled by Federal Telegraph Co. The station also communicates with Los Angeles, Cal.; rate, 25 c. for 15 words.¹

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.]

ALAMANCE.—Name formerly *Nevadan*; W. L., 300, 450, 600; hours, X. Note, Radio station operated and controlled by Garland Steamship corporation, owner of vessel.

ALOHA.—W. L., 300, 450, 600; hours, X.

ALVINA.—Range, 300; system, Telefunken, 1,000; W. L., 300, 600; service, P; 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 Thomas F. Cole, owner of vessel (yacht).

ARDMORE.—Range, 250; system, Marconi, 1,000; 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 Marconi Co. Standard Oil Co., of New Jersey, owner of vessel.

ARIZONAN.—Hours, X.

BAYAMON.—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 Marconi Co. Vacuum Oil Co., owner of vessel.

BRAMEL POINT.—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 Marconi Co. Vacuum Oil Co., owner of vessel.

CAPE COD.—Range, 150; system, Marconi, 400; 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.

CORNING.—Range, 300; system, Marconi, 1,000; 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.

CORSAIR.—Range, 150; system, Marconi, 400; 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.

CUBADIST.—Range, 300; system, Marconi, 1,000; W. L., 300, 450, 600; service, PG; hours, X.

CUSHING (KSC).—Range, 300; system, Marconi, 1,000; 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.

¹ Detailed explanation of rates:

When regular rate of 15 words is—	Additional charge per word is—	Rate for day letter of 35 words in plain English is—	Rate for day letter of 50 words in plain English is—	Rate for night letter of 35 words in plain English is—	Rate for night letter of 50 words in plain English is—
\$0.25	\$0.02	\$0.38	\$0.38	\$0.25	\$0.25
.40	.03	.60	.60	.40	.40
.50	.03	.70	.75	.45	.50

- DAYTON.**—Range, 300; system, Marconi, 1,000; 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.
- EL DIA.**—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.
- ELMER A. KEELER.**—Strike out all particulars.
- EMELINE.**—Strike out all particulars.
- Eocene.**—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.
- EXPANSION.**—Range, 20; W. L., 300, 600; service, PG; rates, 4 c. per word 40 c. minimum per radiogram.
- FLORENCE (KYF).**—Strike out all particulars.
- FLORENCE LUCKENBACH.**—System, Marconi, 480; Note, Radio station operated and controlled by Marconi Co. Luckenbach Co. (Inc.), owner of vessel.
- FRANK H. BUCK.**—Range, 150; system, Federal-Poulsen arc; W. L., 300, 600, 1,800. Note, Radio station operated and controlled by Federal Telegraph Co. Associated Oil Co., owner of vessel.
- GALATEA.**—Range, 100; system, Marconi, 240; service, PG; hours, X.
- GLACIER.**—W. L., 300, 600.
- GULFSTREAM.**—System, Marconi, 480; 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.
- HENRY J. BIDDLE.**—Range, 250; system, Kilbourne & Clark, 120; service, PG; hours, X; rates, 4 c. per word 40 c. minimum per radiogram. Note, Radio station operated and controlled by Columbia Contract Co., owner of vessel.
- HEWITT.**—Hours, 9m-12m, 2s-5s, 7s-9s; strike out rates. (The station conducts general public service, without rates.)
- H. H. ROGERS.**—Range, 200; system, Marconi, 1,000; W. L., 300, 450, 600; service, PG; hours, X.
- HIRAM B. EVEREST.**—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 Marconi Co. Vacuum Oil Co., owner of vessel.
- MARQUETTE & BESSEMER No. 2.**—System, Kilbourne & Clark, 240; W. L., 300, 425, 540, 600; service, PR. Note, Radio station operated and controlled by Marquette & Bessemer Dock & Navigation Co., owner of vessel. Station is limited to communication with the *Marquette & Bessemer No. 1* and a coast station at Conneaut Harbor, Ohio.
- MATNICOCK.**—System, Telefunken, 1,000; hours, 9m-12m, 2s-5s, 8s-10.30s.
- MUNSOMO.**—Range, 200; system, Marconi, 1,000; W. L., 300, 450, 600; hours, X.
- MUSKOGEE.**—Range, 300; system, Marconi, 1,000; 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.
- NAVAJO (WNJ).**—Note, Radio station operated and controlled by Marconi Co. Navajo Steamship Co., owner of vessel.
- NEVADAN.**—Name changed to *Alamance*.
- NOMA.**—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.
- RAMOS.**—Range, 50; system, Fessenden, 260; service, PG; hours, X.
- REUCE.**—System, Kilbourne & Clark, 240; W. L., 300, 525, 600.
- ROCHESTER.**—Name formerly *Yaguez*.
- SAMSON.**—Range, 100; system, Kilbourne & Clark, 120; service, PG; hours, X; rates, 4 c. per word 40 c. minimum per radiogram. Note, Radio station operated and controlled by Columbia Contract Co., owner of vessel.
- SANTA RITA.**—Name formerly *William Chatham*. Note, Radio station operated and controlled by W. R. Grace & Co., owner of vessel.
- SARNIA.**—Note, Radio station operated and controlled by Marconi Co. Bay Steamship Co., of America (Ltd.), owner of vessel.
- SEGURANCA.**—Note, Radio station operated and controlled by Marconi Co. Segurancan Steamship Corporation, owner of vessel.
- SEWARD.**—Rates, 4 c. per word 40 c. minimum per radiogram.
- SIALIA.**—System, Telefunken. Note, Radio station operated and controlled by Atlantic Communication Co. J. K. Stewart, owner of vessel.
- SIBIRIA.**—System, Marconi, 240; hours, N. Note, Radio station operated and controlled by Marconi Co. Bay Steamship Co. of America (Ltd.), owner of vessel.

STANDARD.—Range, 200; system, Marconi, 1,000; W. L., 300, 450, 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, Radio station operated and controlled by Marconi Co. Standard Oil Co. of New Jersey, owner of vessel.

ST. NICHOLAS.—System, Kilbourne & Clark, 240; W. L., 300, 525, 600.

TARANTULA.—Strike out all particulars.

VIGILANCIA.—Hours, X. Note, Radio station operated and controlled by Marconi Co. Gaston, Williams & Wigmore, owners of vessel.

W. B. KEENE.—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.

WESTWEGO.—W. L., 300, 450, 600.

WILLIAM CHATHAM.—Name changed to *Santa Rita*.

WYOMING.—W. L., 300, 600.

YAGUEZ.—Name changed to *Rochester*.

LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

KDY, read: Rochester, b; **WKZ**, read: Alamance, b; **WMC**, read: Santa Rita, b. Strike out particulars following the call signals, **KVU**, **KYF**, **KZD**, **KZT**, **WLN**, **WLO**, and **WZH**.

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.]

ATLANTA, GA.—Strike out all particulars.

CAMBRIDGE, MASS.—W. L., 300, 550, 600.

HARTFORD, CONN. (IZC).—Strike out all particulars.

NEW YORK, N. Y. (2YM).—W. L., 300, 400, 600, 2400.

SPECIAL LAND STATIONS, ALPHABETICALLY BY CALL SIGNALS.

Strike out **IZC** and **4XG**.

MISCELLANEOUS.

INCREASE IN SALARIES OF ALASKA STEAMSHIP CO. RADIO OPERATORS.

The Alaska Steamship Co. has advised the Department that the schedule of salaries of their radio operators has been increased as follows:

Grade.	Former salary.	Present salary.
Junior operator	\$50	\$55
Senior operator	55	60
Combination operator	65	75

A combination operator is one who, in addition to his radio duties, assists in the work of the freight clerk while not on watch in the radio room. The salary of a freight clerk is \$90 per month, and vacancies for this position are filled by promotion from radio operator. By this policy radio operators of this company may rise, by promotion, to the highest position which the company has to offer on board ship.

NEW NAVAL RADIO SERVICE REGULATION.

The Superintendent of the Naval Radio Service announces that, effective on and after July 1, 1916, it will be obligatory on the part of a sender of radiograms to be handled by the Naval Radio Service to indicate in the address of the message the class of vessel it is desired to reach by this service, such as "SS" (steamship or steamer) or "USS" (United States ship), as the case may be. Example:

[Radio.]

John Doe
USS New Hampshire
Charleston, S. C.

This order becomes necessary, owing to the confusion in proper handling of such traffic, inasmuch as a large number of names of ships are the same as those of cities, towns, etc.

The extra word will be charged for and counted in the check.

AMENDMENT.

[To be cut out and pasted in copy.]

The Radio Laws and Regulations of the United States, edition of July 27, 1914, are hereby amended as follows:

Paragraph 126, page 64, amended July 1, 1916, to read:

The code test shall continue for 5 minutes at a speed of 20 words, 12 words, and 5 words a minute, respectively, for the commercial first, second, and lower grades, 5 letters, numerals, or other characters to the word, and to qualify the applicant must receive 20, 12, or 5 words in consecutive order accurately and legibly written. Operators will not be permitted to break or interrupt while receiving or to correct or alter the transcription after it has been submitted to the examining officer.

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