

First Annual Official
Wireless Blue Book

...of the...

Wireless Association

...of...

America

MAY 1909

*Property of
E. J. McCallister*

CALL LETTERS E.P. 111
CHIEF OPERATOR
ST. L.

First Annual Official

Wireless Blue Book

of the

Wireless Association

of

America

Containing a List of United States and Canadian
Wireless Telegraph Stations

Including

Merchant Vessels, Vessels of the U. S. Navy,
Revenue Cutters, and U. S. Amateur Stations

CORRECTED TO MAY 1st, 1909

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MODERN ELECTRICS PUBLICATION
New York City

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| Name of station and location | Call Letter | Wave Length in meters | Power | System | Owner | Intended for— |
|------------------------------|-------------|-----------------------|-------|--------|-------|---------------|
|------------------------------|-------------|-----------------------|-------|--------|-------|---------------|

UNITED STATES.

| | | | | | | |
|---|----|-------|--------------------|------------|------------------------|-----------------------------|
| Albany, N. Y. (Hotel Ten Eyck). | BQ | 300 | 2 K. W. | Comp. | U. W. T. Co. | Public service |
| Amesbury, Mass. | HY | — | 2 K. W. | Pickard | Wireless Spec. Ap. Co. | — |
| Annapolis, Md. (Naval Academy). | QG | 425 | 2½ K. W. | Comp. | U. S. Navy | Government use |
| Atlantic City, N. J. (Young's Pier). | AX | 800 | 2 K. W. | do | U. W. T. Co. | Public service |
| Benton Harbor, Mich. | BH | — | — | do | do | do |
| Beaufort, N. C. (Pivers Island). | QS | 425 | 5 K. W. | Massie | U. S. Navy | Government use |
| Boston, Mass. (Exchange Bldg.). | BN | 450 | 2 K. W. | Comp. | U. W. T. Co. | Public service |
| Boston, Mass. (navy-yard). | PG | 600 | 3 K. W. | Stone | U. S. Navy | Government use |
| Baltimore, Md. | B | 400 | — | Deforest | U. W. T. Co. | Public service |
| Brant Rock, Mass. | BO | 1,800 | 15 K. W. | Fessenden | Nat. Elec. Sig. Co. | Communication with Scotland |
| Brooklyn, N. Y. (navy-yard). | PT | 900 | 15 K. W. | Stone | U. S. Navy | Government use |
| Bridgeport, Conn | BC | 750 | 2 K. W. | Comp. | U. W. T. Co. | Public service |
| Buffalo, N. Y. | CB | Var. | 15 K. W. | Clark | Clark Co. | do |
| Buffalo, N. Y. | BF | — | — | Comp. | U. W. T. Co. | do |
| Cambridge, Mass. (Harvard Uni.). | — | 400 | 5 K. W. | Pierce | Harvard University | — |
| Cambridge, Mass. | — | Var. | 3 K. W. | Stone | Stone Co. | — |
| Cape Cod, Wellsfleet, Mass. | CC | 1,500 | 35 K. W. | Marconi | Marconi Co. | Trans-Atlantic |
| Cape Cod, North Truro, Mass. | PH | 425 | 5 K. W. | Comp. | U. S. Navy | Government use |
| Cape Elizabeth, Me. | PA | 425 | 5 K. W. | Telefunken | do | do |
| Cape Hatteras, N. C. | HA | 450 | 3 K. W. | Comp. | U. W. T. Co. | Public service |
| Cape Henlopen, Lewes, Del. | PX | 600 | 3 K. W. | do | U. S. Navy | Government use |
| Charleston, S. C. | SN | 450 | 2 K. W. | do | U. W. T. Co. | Public service |
| Chicago, Ill. | GO | — | 2 K. W. | do | do | do |
| Charleston, S. C. (navy-yard). | QU | 600 | 5 K. W. | Massie | U. S. Navy | Government use |
| Cleveland, Ohio | CN | Var. | 10 K. W. | Clark | Clark Co. | Public service |
| Detroit, Mich. | CW | Var. | 5 K. W. | do | do | do |
| Detroit, Mich. | DR | — | — | Deforest | U. W. T. Co. | do |
| Diamond Shoals lightship. | QP | 425 | 1 K. W. | Fessenden | U. S. Navy | Government use |
| Duluth, Minn. | CH | Var. | 15 K. W. | Clark | Clark Co. | Public service |
| Duluth, Minn. | DM | — | — | Comp. | U. W. T. Co. | do |
| Elizabeth City, N. J. | HD | 350 | 2 K. W. | do | do | do |
| Fire Island, N. Y. | PR | 900 | 5 K. W. | Telefunken | U. S. Navy | Government use |
| Galilee, N. J. | G | 450 | 2 K. W. | Comp. | U. W. T. Co. | Public service |
| Galveston, Tex. | GV | 450 | 2 K. W. | do | do | do |
| Holland, Mich. | H | — | — | do | do | do |
| Isles of Shoals, N. H. | A | Var. | — | Stone | Stone Co. | do |
| Jacksonville, Fla. | — | — | — | Deforest | U. W. T. Co. | do |

| Name of station and location | Call Letter | Wave Length in meters | Power | System | Owner | Intended for— |
|------------------------------|-------------|-----------------------|-------|--------|-------|---------------|
|------------------------------|-------------|-----------------------|-------|--------|-------|---------------|

UNITED STATES, (Continued).

| | | | | | | |
|---|-----|-------|--------------------|------------|------------------|----------------|
| Jupiter Inlet, Fla. | RA | 600 | 3 K. W. | Shoemaker | U. S. Navy | Government use |
| Key West, Fla. | KW | 400 | 2 K. W. | Comp. | U. W. T. Co. | Public |
| Key West, Fla. (naval station). | RD | 1,250 | 35 K. W. | do | U. S. Navy | Government use |
| Ludington, Mich. | HX | — | — | do | U. W. T. Co. | Public service |
| Manhattan Beach, Long Island. | DF | 800 | 2 K. W. | do | do | do |
| Manitowoc, Wis. | MW | — | — | do | do | do |
| Mackinac Island, Mich. | HQ | — | — | do | do | do |
| Marquette, Mich. | CM | Var. | 10 K. W. | Clark | Clark Co. | do |
| Milwaukee, Wis. | MK | — | 5 K. W. | Comp. | U. W. T. Co. | do |
| Mobile, Ala. | MB | 400 | 2 K. W. | do | do | do |
| Nantucket Shoals-lightship. | PI | 425 | 5 K. W. | Telefunken | U. S. Navy | Government use |
| New Orleans, La. (naval station). | DO | 600 | 5 K. W. | do | do | do |
| New Orleans, La. (Hotel Grunewald). | HB | 400 | 2 K. W. | Comp. | United Fruit Co. | Public service |
| New Orleans, La. (Hotel Grunewald). | HK | 400 | 2 K. W. | do | U. W. T. Co. | do |
| Newport, R. I. (naval torpedo station). | PK | 600 | 5 K. W. | Telefunken | U. S. Navy | Government use |
| New York City (Waldorf-Astoria). | WA | 450 | 2 K. W. | Comp. | U. W. T. Co. | Public service |
| New York City (Hotel Plaza). | FS | 450 | 2 K. W. | do | do | do |
| New York City (42 Broadway). | NY | Var. | 2 K. W. | do | do | do |
| Norfolk, Va. | N | 350 | 2 K. W. | do | do | do |
| Norfolk, Va. (navy-yard). | QL | 900 | 3 K. W. | do | U. S. Navy | Government use |
| Pensacola, Fla. (navy-yard). | RK | 900 | 10 K. W. | do | do | do |
| Philadelphia, Pa. (Bellevue-Stratford). | BS | 400 | 2 K. W. | do | U. W. T. Co. | Public service |
| Philadelphia, Pa. (navy-yard). | PV | 425 | 3 K. W. | Stone | U. S. Navy | Government use |
| Port Arthur, Tex. | RV | 450 | 2 K. W. | Comp. | U. W. T. Co. | Public service |
| Port Bolivar, Tex. | PB | 350 | 1 K. W. | do | do | do |
| Port Huron, Mich. | CH | Var. | 10 K. W. | Clark | Clark Co. | Public service |
| Portsmouth, N. H. (navy-yard). | PC | 600 | 3 K. W. | Stone | U. S. Navy | Government use |
| Sagaponak, N. Y. | MSK | 350 | 2 K. W. | Marconi | Marconi Co. | Public service |
| Sault St. Marie, Mich. | SH | — | — | Comp. | U. W. T. Co. | do |
| Savannah, Ga. | SV | 450 | 2 K. W. | do | do | do |
| Sea Gate, N. Y. | MSE | 350 | — | Marconi | Marconi Co. | do |
| Siasconsett, Mass. | MSC | 350 | 2 K. W. | do | do | do |

| Name of station and location | Call Letter | Wave Length in meters | Power | System | Owner | Intended for— |
|------------------------------|-------------|-----------------------|-------|--------|-------|---------------|
|------------------------------|-------------|-----------------------|-------|--------|-------|---------------|

UNITED STATES, (Continued).

| | | | | | | |
|-----------------------------------|-------------|------|-----------|--------------|---------------------|----------------|
| Soo, Mich. | CJ | Var. | 25 K. W. | Clark | Clark Co. | Public service |
| Southwest Pass, La. | SW | 450 | 5 K. W. | Comp. | United Fruit Co. | do |
| St. Augustine, Fla. | OX | 600 | 3 K. W. | Shoemaker | U. S. Navy | Government use |
| Tampa, Fla. | PD | 600 | 10 K. W. | Deforest | U. W. T. Co. | Public service |
| Toledo, Ohio | CT | 425 | 2 K. W. | Clark | Clark Co. | do |
| Toledo, Ohio | DX | — | — | Deforest | U. W. T. Co. | do |
| Washington, D. C. (navy-yard) | QI | 900 | 15 K. W. | Comp. | U. S. Navy | Government use |
| Washington, D. C. | DC | 600 | 3 K. W. | Fessenden | Nat. Elec. Sig. Co. | — |
| Washington, D. C. (Willard Hotel) | NW | — | — | — | — | — |
| Washington, D. C. (Capitol) | QK | — | 2 K. W. | Comp. | Elliott Woods | — |
| Wilmington, Del. | DU | — | 2 K. W. | — | U. W. T. Co. | — |
| Aberdeen, Wash. | PF | 450 | 2 K. W. | Comp. | U. W. T. Co. | Public service |
| Astoria, Oreg. | PC | 450 | 2 K. W. | do | do | do |
| Avalon, Catalina Island, Cal. | PJ | 300 | 1 K. W. | do | do | do |
| Avalon, Catalina Island, Cal. | A | 450 | 2 K. W. | Pacific | Pacific W. T. Co. | do |
| Bellingham, Wash. | PU | 450 | — | do | do | do |
| Catalinas Isl., Cal. | PI | — | — | do | U. W. T. Co. | do |
| Cape Blanco, Denmark, Oreg. | TA | 425 | 5 K. W. | Massie | U. S. Navy | Government use |
| Everett, Wash. | DK | — | — | Pacific | Pacific W. T. Co. | Public service |
| Eureka, Cal. | PM | — | — | do | U. W. T. Co. | do |
| Farallon Islands, Cal. | TH | 900 | 10 K. W. | Comp. | U. S. Navy | Government use |
| Fort Worden, Wash. | FW | — | 1 K. W. | Signal Corps | U. S. Army | do |
| Friday Harbor, Wash. | PD | 450 | 2 K. W. | Comp. | U. W. T. Co. | Public service |
| Kaldina, Wash. | PV | 450 | 2 K. W. | do | do | do |
| Los Angeles, Cal. | G | 375 | 2 K. W. | Pacific | Pacific W. T. Co. | do |
| Los Angeles, Cal. | PJ | 400 | 2 K. W. | Comp. | U. W. T. Co. | do |
| Marshfield, Ore. | PX | 400 | 2 K. W. | do | do | do |
| Mare Island, Cal. (navy-yard) | FG | 900 | 2½ K. W. | do | U. S. Navy | Government use |
| Olympia, Wash. | N. P. H. PV | — | — | do | U. W. T. Co. | Public service |
| North Head | SX | 600 | 5 K. W. | Telefunken | do | do |
| Ilwaco, Wash. | — | — | — | — | — | — |
| Point Arguello, Surf, Cal. | TK | 600 | 3 K. W. | Shoemaker | do | do |
| Pasadena, Cal. (Green Hotel) | DE | 600 | 2 K. W. | Deforest | do | do |
| Point Loma, San Diego, Cal. | TM | 900 | 10 K. W. | Comp. | do | do |
| Portland, Oreg. | PE | 450 | 2 K. W. | do | U. W. T. Co. | Public service |
| Port Townsend, Wash. | D | 550 | 100 miles | Pacific | Pacific W. T. Co. | do |
| Puget Sound, Wash. (navy-yard) | SP | 425 | 3 K. W. | Comp. | U. S. Navy | Government use |
| San Francisco, Cal. | SF | 760 | 5 K. W. | Pacific | Pacific W. T. Co. | Public service |

| Name of station and location | Call Letter | Wave Length in meters | Power | System | Owner | Intended for |
|------------------------------|-------------|-----------------------|-------|--------|-------|--------------|
|------------------------------|-------------|-----------------------|-------|--------|-------|--------------|

UNITED STATES. (Pacific Coast).

| | | | | | | |
|---|----|-----|----------|---------|-------------------|----------------|
| Santiago, Cal. | PK | — | — | do | U. W. T. Co. | Public service |
| Santa Barbara, Cal. | DF | — | — | do | do | do |
| San Francisco, Cal. | PH | 700 | 5 K. W. | do | Pacific W. T. Co. | do |
| Sacramento, Cal. | DG | — | — | do | do | do |
| Seattle, Wash. (Perry Hotel). | PA | 700 | 5 K. W. | Comp. | U. W. T. Co. | do |
| Seattle, Wash. | DA | 350 | 2 K. W. | Pacific | Pacific W. T. Co. | do |
| Table Bluff, Loleta, Cal. | TD | 425 | 3 K. W. | Massie | U. S. Navy | Government use |
| Tacoma, Wash. | PB | 450 | 2 K. W. | Comp. | U. W. T. Co. | Public service |
| Tacoma, Wash. (Tacoma Hotel). | DB | 450 | — | do | do | do |
| Tatoosh Island, Wash. | SV | 600 | 15 K. W. | do | U. S. Navy | Government use |
| Westport, Wash. | PG | 450 | 2 K. W. | do | U. W. T. Co. | Public service |
| Verba Buena Island, (naval training) | TI | 425 | 2 K. W. | do | U. S. Navy | Government use |

UNITED STATES. (Alaska).

| | | | | | | |
|-------------------------|----|-----|----------|--------------|--------------|----------------|
| Circle City. | — | — | 3 K. W. | Signal Corps | U. S. Army | Government use |
| Cordova. | SN | 600 | 20 K. W. | Comp. | U. S. Navy | do |
| Cordova. | PO | — | 2 K. W. | do | U. W. T. Co. | Public service |
| Fairbanks. | — | — | 3 K. W. | Signal Corps | U. S. Army | Government use |
| Fort Egbert. | — | — | 3 K. W. | do | do | op |
| Fort Gibbon. | — | — | 10 K. W. | Massie | do | op |
| Fort St. Michael. | WS | — | 3 K. W. | Signal Corps | do | op |
| Katalla. | PN | — | 2 K. W. | Comp. | U. W. T. Co. | op |
| Ketchikan. | PP | — | 2 K. W. | do | do | op |
| Petersburg. | — | — | 1 K. W. | Massie | U. S. Army | do |
| Nome. | SA | — | 10 K. W. | do | do | do |
| Sitka. | SO | 600 | 20 K. W. | Pierce | — | — |
| Wrangell. | — | — | 1 K. W. | Signal Corps | U. S. Army | Government use |
| Wilsons Point, Conn. | WN | — | — | Massie | — | — |
| Point Judith, R. I. | PJ | — | — | do | — | — |

CANADA.

| | | | | | | |
|---|----|------|---------------|---------|----------------------------|----------------|
| Point Armour light-house, Labrador. | PR | Var. | 150 miles | Marconi | Canadian government | Public service |
| Whittle Rocks, Labrador. | WR | Var. | 150 miles | do | do | do |
| Battle Harbor, Labrador. | BH | 220 | 150 miles | do | Newfoundland government | do |
| Indian Harbor, Labrador. | — | — | — | do | do | do |
| Seal Island, Labrador. | — | — | — | do | do | do |
| Father Point, Quebec. | RT | — | High power | do | Canadian government | do |
| Cape Bear light- house, Prince Edward Island. | BF | — | — | do | do | do |
| Belle Isle, Quebec | BL | Var. | 150 miles | do | do | do |
| Fame Point light- house, Quebec. | FP | Var. | High power | do | do | do |

| Name of station and location | Call Letter | Wave Length in meters | Power | System | Owner | Intended for |
|------------------------------|-------------|-----------------------|-------|--------|-------|--------------|
|------------------------------|-------------|-----------------------|-------|--------|-------|--------------|

CANADA, (Continued).

| | | | | | | |
|--------------------------------------|-----|------|------------|-----------|-------------------------|----------------|
| Cape Race light-house, Newfoundland. | CE | — | 350 miles | do | do | Public service |
| Cape Ray light-house, Newfoundland. | CR | — | High power | do | Newfoundland government | do |
| Venison Island, Labrador. | VI | 220 | 150 miles | do | do | do |
| Domino, Labrador. | — | 220 | 150 miles | do | Canadian government | do |
| Cape Sable light-house, Nova Scotia. | SB | 220 | 150 miles | do | do | do |
| Cape Rich light-house. | TC | — | — | do | do | do |
| Cape Lazo. | PRD | — | — | do | do | do |
| Camperdown, Halifax, N. S. | MCN | — | 150 miles | do | Marconi Co. | do |
| Partridge Island, St. Johns, N. B. | SJ | 220 | 150 miles | do | do | do |
| Heath Point light-house, Anticosti. | HP | Var. | 150 miles | do | do | do |
| Sable Island. | MSD | — | 250 miles | do | do | do |
| Cape Breton. | — | — | High power | do | do | do |
| Sydney, N. S. | ND | — | — | do | Canadian government | do |
| Quebec. | Q | — | — | do | do | do |
| North-Vancouver, B. C. | PR | 450 | 200 miles | De Forest | U. W. T. Co. | do |
| Pictou, N. S. | RU | — | — | — | Canadian government | do |
| Clark City, Seven Islands. | CK | — | — | do | do | do |
| Victoria, B. C. | PW | — | — | De Forest | do | do |
| Victoria, B. C. | VSD | Var. | 100 miles | do | do | do |
| Victoria, B. C. | V | 350 | — | Shoemaker | do | do |
| Point Grey, B. C. | PGD | Var. | 100 miles | do | do | do |
| Pachena Point (Cape Beal). | KPD | Var. | 100 miles. | do | do | do |
| Estevan Point. | USD | Var. | 100 miles | do | do | do |
| Cape Lazo. | SKD | Var. | 100 miles | do | do | do |

CUBA.

| | | | | | | |
|-------------------|----|------|---|----|----|----|
| Santiago De Cuba. | PS | Var. | — | do | do | do |
| Havana. | HV | Var. | — | do | do | do |

HAWAIIAN ISLANDS.

| | | | | | | |
|---------------------|----|-----|----------|---------|-------------|----------------|
| Honolulu | UC | 425 | 2 K. W. | Comp. | | |
| Barbers Point Oahu. | BP | 300 | 1 K. W. | Marconi | Marconi Co. | Government use |
| Nawiliwili, Kauai. | NW | 300 | ½ K. W. | do | do | Public service |
| Lahaina, Maui. | LH | 300 | 1 K. W. | do | do | do |
| Pauko, Hawaii. | KA | 300 | 1 K. W. | do | do | do |
| Kamalo, Molokai. | AM | 300 | ½ K. W. | Comp. | do | do |
| Kahuku, Oahu. | HU | 960 | 15 K. W. | do | do | do |

LIST OF SHORE STATIONS BELONGING TO THE
UNITED STATES NAVY.

| Name of station | Call letter | System | Power in kilowatts | Wave length in meters |
|--|-------------|------------|--------------------|-----------------------|
| Cape Elizabeth, Me. | PA | Telefunken | 5 | 425 |
| Portsmouth, N. H. (navy-yard)... | PC | Stone | 3 | 600 |
| Boston, Mass. (navy-yard)..... | PG | do | 3 | 600 |
| Mare Island, Cal. | PG | | | |
| Cape Cod, North Truro, Mass. | PH | Composite | 5 | 425 |
| Nantucket Shoal light-ship..... | PI | Telefunken | 5 | 425 |
| Newport, R. I. (naval torpedo station). | PK | do | 5 | 600 |
| | | do | 5 | 900 |
| Fire Island, N. Y. | PR | | | |
| Brooklyn, N. Y. (navy-yard)..... | PT | Stone | 15 | 900 |
| Philadelphia, Pa. (navy-yard)..... | PV | do | 3 | 425 |
| Cape Henlopen, Lewes, Del. | PX | Composite | 3 | 600 |
| Annapolis, Md. (Naval Academy).... | QG | do | 2½ | 425 |
| Washington, D. C. (navy-yard)..... | QI | do | 15 | 900 |
| Norfolk, Va. (navy-yard)..... | QL | do | 3 | 900 |
| Cape Henri, Va. | QN | do | | |
| Diamond Shoal light-ship..... | QP | Fessenden | 1 | 425 |
| Pivers Island, Beaufort, N. C. | QS | Massie | 5 | 425 |
| Charleston, S. C. (navy-yard)..... | QU | do | 5 | 600 |
| St. Augustine, Fla. | OX | Shoemaker | 3 | 600 |
| Jupiter Inlet, Neptune, Fla. | RA | do | 3 | 600 |
| Key West, Fla. (naval station).... | RD | De Forest | 35 | 1,250 |
| Dry Portugas | RF | | | |
| Galveston, Texas | RT | | | 200½ |
| Pensacola, Fla. (navy-yard)..... | RK | De Forest | 10 | 900 |
| New Orleans, La. (naval station).... | RO | Telefunken | 5 | 600 |
| San Juan, P. R. (naval station)... | SA | De Forest | 35 | 1,250 |
| Culebra, W. I. (naval station)..... | SD | Composite | 3 | 425 |
| Guantanamo, Cuba (naval station).... | SI | De Forest | 35 | 1,250 |
| Isthmian Canal Zone, Colon..... | SL | do | 35 | 1,250 |
| Cordova, Alaska | SN | | 20 | 600 |
| Sitka, Alaska | SO | Pierce | 20 | 600 |
| Puget Sound, Wash. (navy-yard).... | SP | Composite | 3 | 425 |
| Tatoosh Island, Wash. | SV | do | 15 | 600 |
| North Head, Ilwaco, Wash. | SX | Telefunken | 5 | 600 |
| Cape Blanco, Denmark, Oreg. | TA | Massie | 5 | 425 |
| Table Bluff, Loleta, Cal. | TD | do | 5 | 425 |
| Mare Island, Cal. (navy-yard).... | TG | Composite | 2½ | 900 |
| Farallon Islands, Cal. | TH | do | 10 | 900 |
| Yerba Buena Island, Cal. (naval training station). | TI | do | 2 | 425 |
| Point Arguello, Surf, Cal. | TK | Shoemaker | 3 | 600 |
| Point Loma, San Diego, Cal. | TM | Composite | 10 | 900 |
| Honolulu, T. H. (naval station).... | UC | do | 2 | 425 |
| Island of Guam (naval station).... | UK | Telefunken | 3 | 425 |
| Cavite, P. I. (naval station)..... | UT | Composite | 5 | 600 |
| Vabra Island | UY | | | |

all changed (Nov. 1909)
4470

**LIST OF STATIONS BELONGING TO THE
UNITED STATES ARMY.**

| Location of station | Call letter | System | Power |
|---------------------|-------------|--------|-------|
|---------------------|-------------|--------|-------|

UNITED STATES.

| | | | |
|--------------------------|----|--------------|---------|
| Fort Andrews, Mass. | — | Signal Corps | 1 K. W. |
| Fort Hancock, N. J. | FN | do | 1 K. W. |
| Fort H. G. Wright, N. Y. | FW | do | 1 K. W. |
| Fort Leavenworth, Kans. | FL | do | |
| Fort Levett, Me. | — | do | 1 K. W. |
| Fort Morgan, Ala. | FN | — | |
| Fort Monroe, Va. | — | do | 1 K. W. |
| Fort Omaha, Nebr. | — | do | 3 K. W. |
| Fort Riley, Kans. | — | do | |
| Fort Totten, N. Y. | FT | do | 1 K. W. |
| Fort Wood, N. Y. | FD | do | 3 K. W. |
| Fort Worden, Wash. | FW | do | 1 K. W. |

ALASKA.

| | | | |
|---------------------|----|--------------|----------|
| Circle City | — | Signal Corps | 3 K. W. |
| Fairbanks | — | do | 3 K. W. |
| Fort Egbert | — | do | 3 K. W. |
| Fort Gibbon | PG | Massie | 10 K. W. |
| Fort St. Michael | WS | Signal Corps | 3 K. W. |
| Petersburg | — | Massie | 1 K. W. |
| Safety Harbor, Nome | SA | do | 10 K. W. |
| Nome | FD | — | |
| Wrangell | — | Signal Corps | 1 K. W. |

PHILIPPINE ISLANDS.

| | | | |
|-----------|----|--------------|---------|
| Jolo | FS | Signal Corps | 3 K. W. |
| Malalanga | — | do | 1 K. W. |
| Zamboanga | FM | do | 1 K. W. |

UNITED STATES ARMY TRANSPORT SERVICE.

| | | | |
|------------|-----|--------------|---------|
| Kilpatrick | ATK | Signal Corps | 3 K. W. |
| Logan | ATL | do | 3 K. W. |
| Sherman | ATR | do | 3 K. W. |
| Sheridan | ATS | do | 3 K. W. |
| Thomas | ATU | do | 3 K. W. |

LIST OF REVENUE CUTTERS

| Name of ship | Call letter | Name of ship | Call letter |
|--------------|-------------|---------------|-------------|
| Mohawk | RCM | Acushnet | RCU |
| Onandaga | RCO | Algonquin | RCA |
| Rush | RCR | Androscooggin | RCD |
| Seminole | RCS | Apache | RCP |
| Seneca | RCE | Bear | RCB |
| Snohomish | RCF | Gresham | RCG |
| Thetis | RCT | Itasca | RCI |
| Tuscarora | RCL | Manning | RCN |
| Windom | RCW | McCulloch | RCH |

**LIST OF WIRELESS STATIONS ON BOARD
MERCHANT VESSELS.**

| Name of vessel | Call letter | Name of Vessel | Call letter |
|----------------|-------------|----------------|-------------|
|----------------|-------------|----------------|-------------|

American Line

| | |
|--------------|-----|
| New York | MNK |
| Philadelphia | MPH |
| St. Louis | MSL |
| St. Paul | MSP |

Atlantic Transport Line

| | |
|-------------|-----|
| Minnehaha | MMA |
| Minnetonka | MMK |
| Minneapolis | MMS |

Cunard Line

| | |
|------------|-----|
| Lusitania | MFA |
| Mauretania | MGA |
| Campania | MCA |
| Etruria | MEA |
| Ivernia | MIA |
| Lucania | MLA |
| Pannonia | MNA |
| Carpathia | MPA |
| Caronia | MRA |
| Saxonia | MSA |
| Ultonia | MTA |
| Umbria | MUA |
| Slavonia | MVA |
| Carmania | MAA |

Anchor Line

| | |
|-----------|-----|
| Caledonia | MAI |
| Columbia | MOI |
| Furnesia | MFI |

Allan Line

| | |
|-----------|-----|
| Bavarian | MBN |
| Virginian | MGN |
| Parisian | MPN |
| Tunisian | MTN |
| Victorian | MVN |

Isle of Man Steam Packet Co.

| | |
|---------------|---|
| Empress Queen | — |
|---------------|---|

White Star Line

| | |
|----------|-----|
| Arabic | MCF |
| Baltic | MBC |
| Cedric | MPC |
| Celtic | MLC |
| Majestic | MMC |
| Oceanic | MOC |
| Teutonic | MTC |
| Cymric | MGC |
| Adriatic | MHC |

Cie. Générale Transatlantique.

| | |
|--------------|-----|
| La Lorraine | MLL |
| La Touraine | MLT |
| La Bretagne | MLB |
| La Champagne | MLC |
| La Savoie | MLS |
| La Gascogne | MLG |
| La Provence | MLP |
| La Chicago | MLY |

Belgium S. S.

| | |
|---------------------|-----|
| Princess Clementine | MPC |
| La Flandre | MLF |
| Princess Henriette | MPH |
| Princess Josephine | MPJ |
| Princess Elizabeth | MPE |
| Leopold II. | MLD |
| Marie Henriette | MMH |
| Prince Albert | MPA |
| La Rapide | MRD |
| Ville de Douvres | MVD |

Red Star Line

| | |
|-----------|-----|
| Zeeland | DZD |
| Vaderland | DVD |
| Finland | DFD |
| Kroonland | DKD |

North German Lloyd

| | |
|---------------------------|-----|
| Kaiser Wilhelm der Grosse | DKW |
| Kaiser Wilhelm II. | DKM |
| Kronprinz Wilhelm | DKP |
| Bremen | DBR |
| Grossherzog von Oldenburg | DGO |
| Kronprinzessin Cecilie | DKA |
| Bremen | DBR |
| Grosser Kurfurst | DKG |

Hamburg-American Line

| | |
|---------------------------|-----|
| Deutschland | DDL |
| Moltke | DDM |
| Blucher | DDB |
| Amerika | DDR |
| Meteor | DMR |
| Konig Friederich August | DKF |
| Hamburg | DDH |
| Kaiserin Augusta Victoria | DDA |
| Patricia | DDP |
| Graf Waldersee | DDW |
| Pennsylvania | DDN |
| President Grant | DDS |
| President Lincoln | DDT |
| Konig Wilhelm | DKG |

| Name of vessel | Call letter | Name of vessel | Call letter |
|----------------|-------------|----------------|-------------|
|----------------|-------------|----------------|-------------|

Hamburg-South American Line

| | |
|--------------|-----|
| Cap Vilano | DCV |
| Cap Ortegale | DCO |
| Cap Blanco | DCB |
| Cap Arcona | DCA |
| Cap Frio | DCF |
| Cap Verde | DCE |
| Cap Roca | DCR |

Hamburg-American (Atlas Line)

| | |
|-----------------------|-----|
| Sarnia | DSM |
| Sibirio | DSV |
| Prinz August Wilhelm | DSB |
| Prinz Eitel Friedrich | DSF |
| Prinz Joachim | DSP |
| Prinz Sigismund | DSC |
| Oceano | SK |

Kiel Korsör Line

| | |
|------------------|-----|
| Prince Adalbert | DPA |
| Prince Sigismund | DPS |
| Prince Waldemar | DPW |

Government

| | |
|--------------------|-----|
| Pilot steamer Jade | AJA |
|--------------------|-----|

Scandinavian Am.

| | |
|----------------|-----|
| United States | SUS |
| King Oscar II. | SOR |
| Hellig Olav | SHO |
| J. F. Tietgen | SCF |

Holland-American Line

| | |
|---------------|-----|
| Noordam | DHA |
| Statendam | DHS |
| Ryndam | DHY |
| Potsdam | DHM |
| New Amsterdam | DHB |
| Rotterdam | DHR |

Navigazione Generale Italiana

| | |
|--------------------|-----|
| Sicilia | MAC |
| Lombardia | MAB |
| Liguria | MAL |
| Sardegna | MAS |
| Umbria | MAU |
| Duca Degli Abruzzi | MAD |
| Verona | MOV |
| Nord America | MVR |

La Veloce Line

| | |
|-----------------|-----|
| Citta di Napoli | MVC |
| Sud America | MVS |

Austro-American Line

| | |
|-------------------|-----|
| Martha Washington | MUW |
| Alice | MUL |
| Argentina | MUG |
| Oceania | MUO |

Canadian Steamers

| | |
|--------------------|-----|
| Empress of Britain | MPM |
| Empress of Ireland | MPL |
| Lake Champlain | MLN |
| Lake Erie | MLE |
| Lake Manitoba | MLM |
| Lake Michigan | MLH |
| Montezuma | MLK |
| Montreal | MLI |
| Montrose | MLJ |
| Montfort | MLW |
| Mount Royal | MLO |
| Canada | MCT |
| Lady Laurier | MLR |
| Minto | MMT |
| Stanley | MST |
| Montcalm | MNL |

Red "D" Line

| | |
|--------------|----|
| Philadelphia | DA |
| Caracas | DB |

Mallory S. S. Line

| | |
|-------------|----|
| Denver | AD |
| Concho | AC |
| San Jacinto | AS |
| Lampasas | AP |
| Sabine | AB |
| Rio Grande | AG |
| Nueces | AH |
| Alamo | AI |
| San Marcos | AK |
| Comal | AM |
| Colorado | AF |
| Brazos | AZ |

Quebec S. S. Line

| | |
|-----------|----|
| Bermudian | BA |
| Trinidad | BD |

N. Y. and Porto Rico S. S. Co.

| | |
|----------|----|
| Coamo | CA |
| Carolina | CB |
| San Juan | CJ |
| Ponce | CP |
| Seneca | CS |

Bermuda Atlantic S. S. Co.

| | |
|---------------|----|
| Prince George | BJ |
|---------------|----|

| Name of vessel | Call letter | Name of vessel | Call letter |
|---|-------------|------------------------------------|-------------|
| Ocean S. S. Co. of Savannah, Ga. | | Maine S. S. Co. | |
| City of Columbus | FA | Horatio Hall | JH |
| City of Atlanta | FB | Manhattan | JM |
| City of Macon | FC | North Star | JS |
| City of Memphis | FD | New England Navigation Co. | |
| City of Savannah | FH | Plymouth | HY |
| Kansas City | FK | Providence | PV |
| Chattahoochee | FO | Priscilla | CA |
| Nacoochee | FP | Commonwealth | CW |
| City of Augusta | FJ | Pilgrim | GM |
| Old Dominion Line | | New Hampshire | NS |
| Hamilton | OA | Maine | MA |
| Princess Anne | OB | City of Lowell | WE |
| Jamestown | OC | Chester W. Chapin | HN |
| Jefferson | OD | Boston | BN |
| Monroe | ON | Pequonnock | NK |
| Ward Line | | City of Taunton | O |
| Merida | WM | Puritan | RN |
| Havana | WH | Kennebec | MK |
| Saratoga | WS | Royal Mail Steam Packet Co. | |
| Mexico | WX | Tagus | NS |
| Morro Castle | WC | Trent | NR |
| Monterey | WY | Atrato | NA |
| Esperanza | WZ | Clyde | NK |
| Vigilancia | WV | Orinoco | NO |
| Seguranca | WG | Magdalena | ND |
| Sun Oil Co. | | Lee Plata Ia. | NP |
| Paraguay | YA | Ornba | NU |
| Toledo | YD | Nile | NJ |
| The Fisheries Co. | | United Fruit Co. | |
| Mindora | XM | Ellis | UA |
| Walter Adams | XD | Preston | UB |
| Alaska | XK | Cartago | UC |
| J. L. Lawrence | XN | Admiral Schley | UG |
| Jos. Wharton | XW | Admiral Farragut | UF |
| Arizona | XA | Admiral Dewey | UD |
| Quick Step | XQ | J. M. Guffey Petroleum Co. | |
| Metropolitan Line | | Larimer | OA |
| Yale | RY | Ligonier | OO |
| Harvard | RH | Winifred | OW |
| Panama R. R. Co. | | J. M. Guffey | OF |
| Panama | MH | Barge Shenango | OC |
| Allianca | MA | Oklahoma | OB |
| Colon | MX | Munson Line | |
| Advance | MV | Mobila | PU |
| Finance | MF | Southern Pacific | |
| P. and O. Nav. Co. | | Momus | KM |
| Olivette | KV | Antilles | KA |
| Mascote | KM | Creole | KR |
| Baltimore and Ohio R. R. Co. | | El Norte | EN |
| Tug Savage | HS | Clyde S. S. Co. | |
| | | Comanche | VC |
| | | Apache | VA |
| | | Huron | VH |
| | | Iroquois | VF |
| | | Algonquin | VG |
| | | Arapahoe | VB |
| | | Seminole | VJ |
| | | Cherokee | VK |
| | | Mohawk | VN |

| Name of vessel | Call letter | Name of vessel | Call letter |
|----------------|-------------|----------------|-------------|
|----------------|-------------|----------------|-------------|

East Asiatic S. S. Co.

U Lithuania SLA
 Estonia SCA
 Russia SRM

Hudson River, Peoples Line

U Adirondack XD
 C. W. Morse XC

Hudson River, Albany Day Line

U New York
 Hendrick Hudson XA

Independent S. S. Co.

U Rosina TR
 Jos. Vacarro TV

Insular Line

U Luckenbach YA

Clark Towing Co.

U E. C. Clark —

Standard Oil Co.

Capt. A. F. Lucas GB
 Astral GS
 U City of Everett GF
 Barge No. 95 GP
 Barge No. 94 GH
 Gypsum King GK

Commercial Cable Co.

Mackay-Bennett MMB

J. G. Bennett's steam yacht

Lysistrata LA

Motor yacht

Sea Otter WY

Detroit and Buffalo S. S. Co.

U Western States CS

Detroit and Cleveland S. S. Co.

City of Detroit CD
 City of Cleveland CC

Graham and Morton Transportation Co.

U Puritan SO
 Holland NO
 City of Benton Harbor AO
 City of Chicago PO

Goodrich Transit Co.

U Christopher Columbus KC
 Carolina NC
 Sheboygan MC
 Indiana SC
 Chicago HO

Crosby Transportation Co.

U Nyack BM
 E. G. Crosby FM

Pacific Coast S. S. Co.

U President V2
 Governor B2
 City of Pueblo G2
 Queen A2

North Pacific S. S. Co.

Geo. W. Elder M2
 Roanoke S2

Consolidated Coal Co.

U Tug Savage HS

San Francisco and Portland S.S. Co

Rose City H2

Humboldt S. S. Co.

U Humboldt D2

Alaska Pacific Co.

U Buckman P7
 Watson P8

Alaska Coast Co.

U Portland P3
 Bertha P9

Alaska S. S. Co.

U Yucatan AG
 Pennsylvania AH
 Victoria AD
 Santa Clara AK
 Northwestern AN

Matson Navigation Co.

U Enterprise P1
 Hilonian P2
 Lurline U2

Associated Oil Co.

U W. S. Potter RD

Tacoma Tug and Barge Co.

U Fearless N2

Chlopeck Fish Co.

U Chicago AB

Standard Oil Co.

U Col. E. L. Drake P5
 Barge No. 3 P6

British Columbia Salvage Co.

U Salvor SAL

Tokyo Kisen Kaisha Line

Americamaru TMC
 Tenyomaru TTY
 Hongkongmaru THK
 Nipponmaru TNP
 Iyomaru YIY
 Tosamaru YTS
 Kagamaru YKG
 Tangamaru YTG
 Shinomaru YSN
 Akimaru YAK

Russian East Asiatic Line

U Lithuania SLA
 Estonia SEA
 Russia SRN

LIST OF VESSELS OF THE UNITED STATES NAVY.

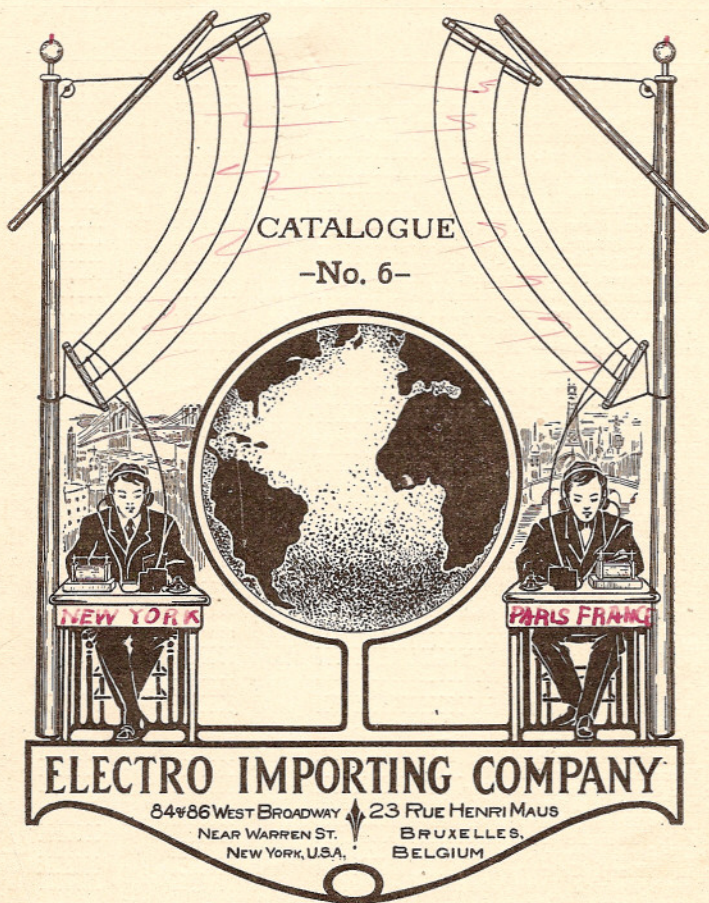
| Name of vessel | Call letter | Name of vessel | Call letter |
|---------------------|-------------|----------------|-------------|
| Abarenda | BA | Gloucester | EO |
| Adams | BC | Goldsbrough | EP |
| Ajax | BD | Hannibal | EW |
| Alabama | BE | Hartford | EX |
| Albany | BF | Helena | EY |
| Alert | BG | Hopkins | EZ |
| Alexander | BH | Hull | FA |
| Amphitrite | BJ | Idaho | FK |
| Annapolis | BK | Illinois | FL |
| Arethusa | BL | Indiana | FM |
| Arizona | BM | Intrcpid | FN |
| Arkansas | BN | Iowa | FO |
| Atlanta | BO | Iris | FP |
| Bainbridge | BU | Isla de Cuba | FO |
| Baltimore | BV | Isla de Luzon | FR |
| Bancroft | BW | Kansas | GF |
| Barry | BX | Katahdin | GH |
| Bennington | BY | Kearsarge | GI |
| Birmingham | BZ | Kentucky | GK |
| Boston | CA | Lawrence | GP |
| Boxer | CB | Lebanon | GR |
| Brooklyn | CD | Leonidas | GS |
| Brutus | CE | Louisiana | GT |
| Buffalo | CF | MacDonough | HA |
| Caesar | SN | Machias | HB |
| California | CO | Maine | HC |
| Castine | CP | Marblehead | HD |
| Celtic | CO | Marcellus | HE |
| Charleston | CR | Marietta | HF |
| Chattanooga | CS | Maryland | HG |
| Chauncey | CT | Massachusetts | HI |
| Chesapeake | CU | Mayflower | HJ |
| Chester | CV | Miantonomoh | HK |
| Chicago | CW | Michigan | HL |
| Cincinnati | CX | Milwaukee | HM |
| Cleveland | CY | Minneapolis | HN |
| Colorado | CZ | Minnesota | HO |
| Columbia | DA | Mississippi | HP |
| Concord | DB | Missouri | HO |
| Connecticut | DC | Monadnock | HS |
| Constellation | DE | Montana | HU |
| Constitution | DF | Monterey | HV |
| Culgoa | DG | Montgomery | HW |
| Cumberland | DH | Nanshan | IC |
| Dale | DM | Nashville | ID |
| Decatur | DN | Nebraska | IE |
| Delaware | DC | Nero | IF |
| Denver | DP | Nevada | IG |
| Des Moines | DO | Newark | IH |
| Detroit | DR | New Hampshire | IJ |
| Dixie | DS | New Jersey | IK |
| Dolphin | DT | New Mexico | IL |
| Don Juan de Austria | DU | New Orleans | IM |
| Dubuque | DV | Newport | IN |
| Elcano | EB | New York | IO |
| Erie | EC | North Carolina | IP |
| Farragut | ED | North Dakota | IQ |
| Florida | EF | Ohio | IW |
| Galveston | EL | Oklahoma | IX |
| Georgia | EM | Olympia | IY |
| Glacier | EN | Ontario | IZ |

| Name of vessel | Call letter | Name of vessel | Call letter |
|----------------|-------------|----------------|-------------|
| Oregon | JA | Stewart | KP |
| Paducah | JF | St. Louis | KO |
| Panther | JG | Supply | KR |
| Paul Jones | JH | Tallahassee | KW |
| Pennsylvania | JI | Tacoma | KX |
| Perry | JK | Tennessee | KY |
| Petrel | JL | Terror | KZ |
| Pompey | JM | Texas | LA |
| Prairie | JN | Topoka | LB |
| Preble | JO | Truxton | LC |
| Princeton | JP | Utah | LI |
| Puritan | JO | Vermont | LO |
| Rainbow | JV | Vicksburg | LP |
| Raleigh | JW | Virginia | LO |
| Ranger | JX | Washington | LW |
| Relief | JZ | West Virginia | LX |
| Rhode Island | KA | Wheeling | LY |
| Salem | KG | Whipple | IZ |
| San Francisco | KH | Wilmingon | MA |
| Saturn | KI | Wisconsin | MB |
| Scorpion | KJ | Worden | MC |
| Solace | KL | Wyoming | MD |
| South Carolina | KM | Yankee | MJ |
| South Dakota | KN | Yankton | MK |
| Sterling | KO | Yorktown | ML |

UNITED STATES AMATEUR STATIONS:

| Name and address of owner | Call letter | Approximate wave length in meters | Spark length of induction coil | |
|---|-------------|-----------------------------------|--------------------------------|------|
| Melvin Getchell, West Medford, Mass. | MG | 185 | 1½ | ins. |
| Fred Klingenschmidt, New York City | TT | 61 | ½ | " |
| Coke Flanagan Montclair, N. J. | FN | 530 | 1 | " |
| V. S. Ivey, Lenoir, N. C. | SI | 100 | 4 | " |
| David Marcus, St. Louis, Mo. | DM | 500 | 2 | " |
| Neat M. Tate, Vacaville, Cal. | NT | 218 | 2 | " |
| Ben Orr, Dallas, Texas | BO | 77 | 1 | " |
| Bowden Washington, New York City | BW | 185 | 1½ | " |
| Melvin M. Bomham, Covina, Cal. | MB | 75 | ½ | " |
| John D. Kattenhorn, Jr., New York City | DK | 135 | ½ | " |
| Eric Leavens, Brooklyn, N. Y. | ZL | 240 | ½ | " |
| Ralph Jeffers, Rochester, N. Y. | J | 125 | | " |
| L. Spangenberg, Paterson, N. J. | RS | 70 | 2½ | " |
| St. George's School, Newport, R. I. | NB | 170 | 2 | " |
| Jas. McNair, Jr., Lakewood, N. J. | HC | 117 | 2 | " |
| S. Conradi Vance, Los Angeles, Cal. | CV | 55 | ½ | " |
| I. O. Smith, New York City | SX | 325 | 4 | " |
| J. B. Hyatt, Mt. Vernon, O. | HY | 400 | 1 | " |
| H. E. Sumner, Brooklyn, N. Y. | HS | 40 | 1 | " |
| Maxwell P. Hellman, New York City | MM | 366 | 1 | " |
| Fred Stiefel, New York City | FC | 80 | 10 | " |
| Ozone Wireless Co., San Francisco, Cal. | MJ | 320 | 6 | " |
| Jack Steurer, New York City | EL | 320 | 6 | " |
| George Schmitt, New York City | EL | 150 | 1 | " |
| Frank E. Daubenbiss, Capitola, Cal. | TX | 32 | 2 | " |
| C. R. Myers, Westwood, N. J. | CM | 200 | 2 | " |
| A. C. Austin, Jr., Hasbrouck Heights, N. J. | AU | 152 | 1 | " |
| Otto E. Curtis, Rochester, N. Y. | Q | | | " |

| Name and address of owner | Call letter | Approximate wave length in meters | Spark length of induction coil |
|---|-------------|-----------------------------------|--------------------------------|
| M. D. Douglas, Hasbrouck Heights, N. J. | MD | 100 | ¼ ins. |
| Harry Gross, Hackensack, N. J. | HG | 125 | ¼ " |
| Albert Higson, Jersey City, N. J. | AH | 75 | 1 " |
| Harold E. Peck, Providence, R. I. | PE | 40 | 1 " |
| J. Peters, Jr., Florissant, Mo. | PI | 125 | 4 " |
| L. S. Stevens, Marlboro, Mass. | LS | 60 | 1½ " |
| Newell A. Thompson, Brookline, Mass. | KN | 400-700 | ¼ K. W. |
| Earl Vogel, Ashton, Ill. | AN | 56 | 2 ins. |
| William Wilson, New York City | WVWN | 300 | 4 " |
| F. R. Breck, Bayonne, N. J. | FPS | 300 | 2 " |
| W. N. Broz, Cape May, N. J. | FBZ | 46 | 1 " |
| Alpha M. Koester, North Powder, Ore. | MZR | 35 | 4 " |
| Edward T. Eastman, West Rochester, N. Y. | EET | 40 | 1 " |
| R. P. Wilson, Metuchen, N. J. | RPW | 70 | 1 " |
| Edwin Justin, Jr., Bloomsburg, Pa. | ETJ | 100 | 4½ " |
| C. Raymond Miller, Baldwinsville, N. Y. | CRM | 77 | 14 " |
| H. Bassett, Shorthills, N. J. | BCT | 35 | 1 " |
| J. R. Carty, Shorthills, N. J. | BCT | 35 | 1 " |
| A. W. Pratt, Noroton, Conn. | APT | 135 | 2 " |
| Cromwell Gibbons, Jr., Jacksonville, Fla. | CR | 72 | 1 " |
| E. B. Peters, Providence, R. I. | BP | 160 | 1 " |
| Louis Bonsib, Vincennes, Ind. | XL | 120 | 3 " |
| Philip Wood, Arlington, Mass. | PW | 210 | 1½ " |
| Dr. Carroll H. Fink, Fernandina, Fla. | CP | 104 | 12 " |
| Don G. Burnside, Pt. Pleasant, W. Va. | PP | 80 | 2 " |
| Kendall Bushnell, Arlington, Mass. | KB | 80 | 1½ " |
| A. K. Braman, Newport, R. I. | PS | 245 | 1 " |
| Ralph Damon, Whitman, Mass. | RDM | 175 | 2 " |
| Geo. and Fred Taylor, Susanville, Cal. | GFT | 61 | 2 " |
| Karl T. Spark, S. Butte, Mont. | KSM | 400 | 3 " |
| J. A. Marriott, Seattle, Wash. | JAM | 120 | 1½ " |
| Thos. Appleby, West Philadelphia, Pa. | HNM | 360 | 1½ " |
| H. M. Atwater, Kentfield, Cal. | KNM | | 1 " |
| J. Winne, Jr., New York City | JWM | 150 | 2 " |
| Earl C. Hawkins, Minneapolis, Minn. | HAM | 62 | 1½ " |
| Chas. J. Meyers, Albany, N. Y. | CTM | 175 | 1 " |
| Harry Butz, Mazomaine, Wis. | HBM | 170 | 1½ " |
| S. W. Case, Marcellus, N. Y. | SWC | 335 | 1 K. W. |
| Geo. H. Nixon, Hackettstown, N. J. | GHN | 365 | 2 ins. |
| Walter E. Haaren, New York City | WEM | 135 | 2½ " |
| Alvah Rittenhouse, Philadelphia, Pa. | FRM | 80 | 3 " |
| G. S. Vernam, Brooklyn, N. Y. | GSW | 245 | 1½ " |
| Meade N. Powell, St. Louis, Mo. | MPM | 135 | 2 " |
| Rochester Wireless Teleg. Co., Rochester, N. Y. | H | 125 | 2 " |
| Allen Lee Whitman, Cambridge, Mass. | ALW | 110 | ¼ " |
| Max Wells, Riverside, Cal. | MWX | 85 | 3 " |
| *Frank McGram, Jersey City, N. J. | FMX | 64 | |
| Edwin R. Willard, Chicago, Ill. | ERW | 110 | ¼ K. W. |
| John Joseph Rodrick Veary, Boston, Mass. | RVM | 35 | 2½ ins. |
| Geo. Burrell, Avon, Ohio | GBA | 125 | ½ " |
| J. Clayton Rantall, Albany, N. Y. | S4 | 130 | 4 " |
| Chas. E. Spinney, Sanford, Me. | CES | 135 | 2 " |
| *R. S. Burt, North Paterson, N. J. | RBM | 210 | |
| Earle L. M. Coolidge, Everett, Mass. | EMC | 70 | 1½ " |
| Frederick Wommer, Minneapolis, Minn. | FWM | 74 | 1½ " |
| Ray Newby, San Jose, Cal. | EZM | 235 | 3 " |
| E. D. Porter, Lewistown, Mont. | POM | 950 | 2 K. W. |
| Paul J. Hackett, Walla Walla, Wash. | PIH | 165 | 3 " |
| Thos. I. P. Shannon, Los Angeles, Cal. | SIM | 160 | 2 " |
| *B. Frank Rittenhouse, N. Woodbury, N. J. | ARM | 105 | |
| W. Zimmerman, Hasbrouck Heights, N. J. | WZ | 200 | ¼ " |



CATALOGUE

-No. 6-

NEW YORK

PARIS FRANCE

ELECTRO IMPORTING COMPANY

84 & 86 WEST BROADWAY
NEAR WARREN ST.
NEW YORK, U.S.A.

23 RUE HENRI MAUS
BRUXELLES.
BELGIUM

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Cleveland O. V. N.
Mich. City. IND. M. Y.
St. Paul Min.
Philadelphia Pa. L. J.
Toledo Oh. J. H.
Detroit Mich. R. J.

MAY 1ST.
1910 APP.
CHANGED TO

XAW
X MJ
X MH
X KW
X MG
X KA.
X BS
X KS
X KG
X MV

1910 LUDINGTON
+ many others.
1910 land states in all.
up to July 1st.
Boat. Stn. w. eo.

Indiana Transp. Co.
United States. U. S.
Theodore Roosevelt. R. V.

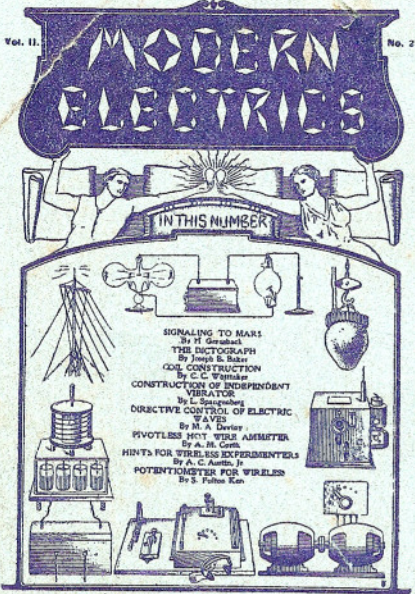
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X 7 K

Signaling To Mars

IN THIS ISSUE

PRICE 10 CENTS

MAY, 1909



Have you seen it? Did you read it?

MODERN ELECTRICS

"That wonderful Electrical Magazine for Everybody." "Nothing like it in the World," "Marvelous," "Worth ten times the price"—that's what enthusiastic MODERN ELECTRICS readers say every day. Fifteen thousand paid subscribers in 12 months, "There's a reason for it." Here it is: MODERN ELECTRICS has the "Goods" and gets them first. A splendid monthly for the experimenter and the amateur. The "How to Make It" Magazine. Hundreds of illustrations on all topics of electricity—but ONLY ELECTRICS nothing else.

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