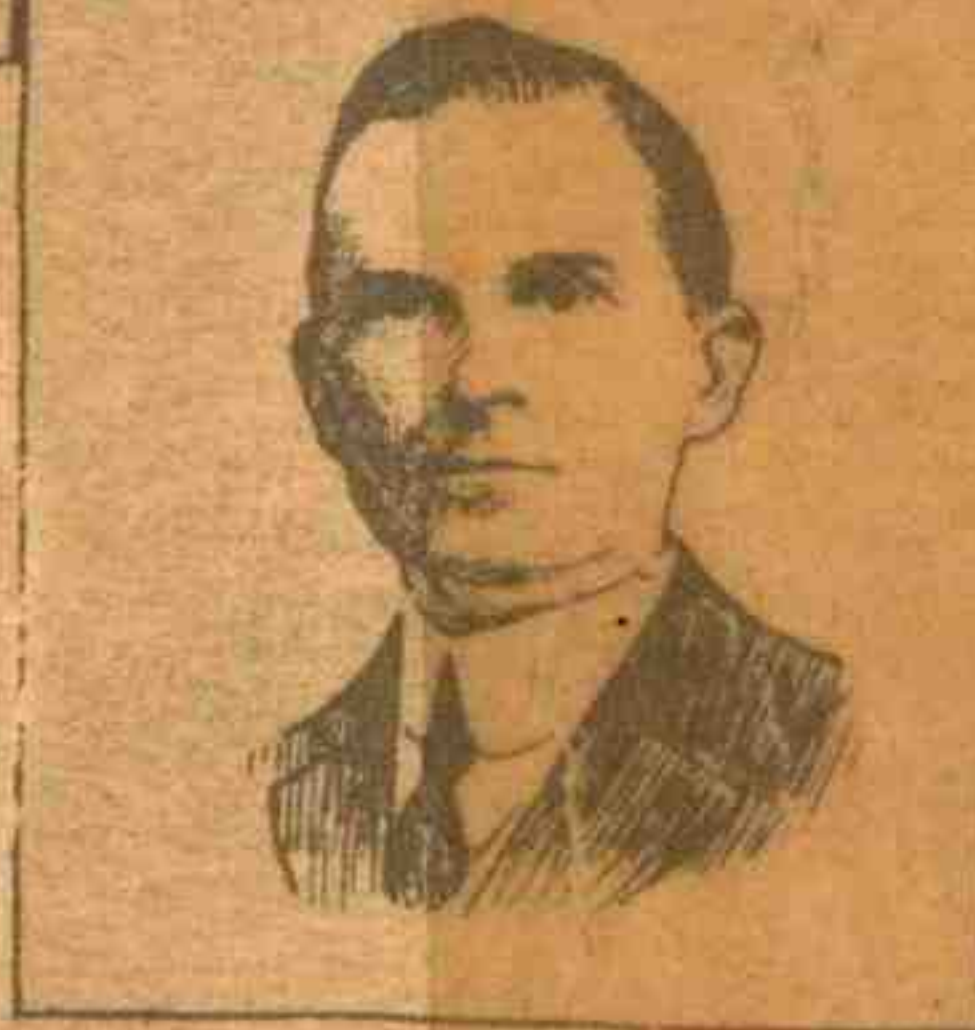
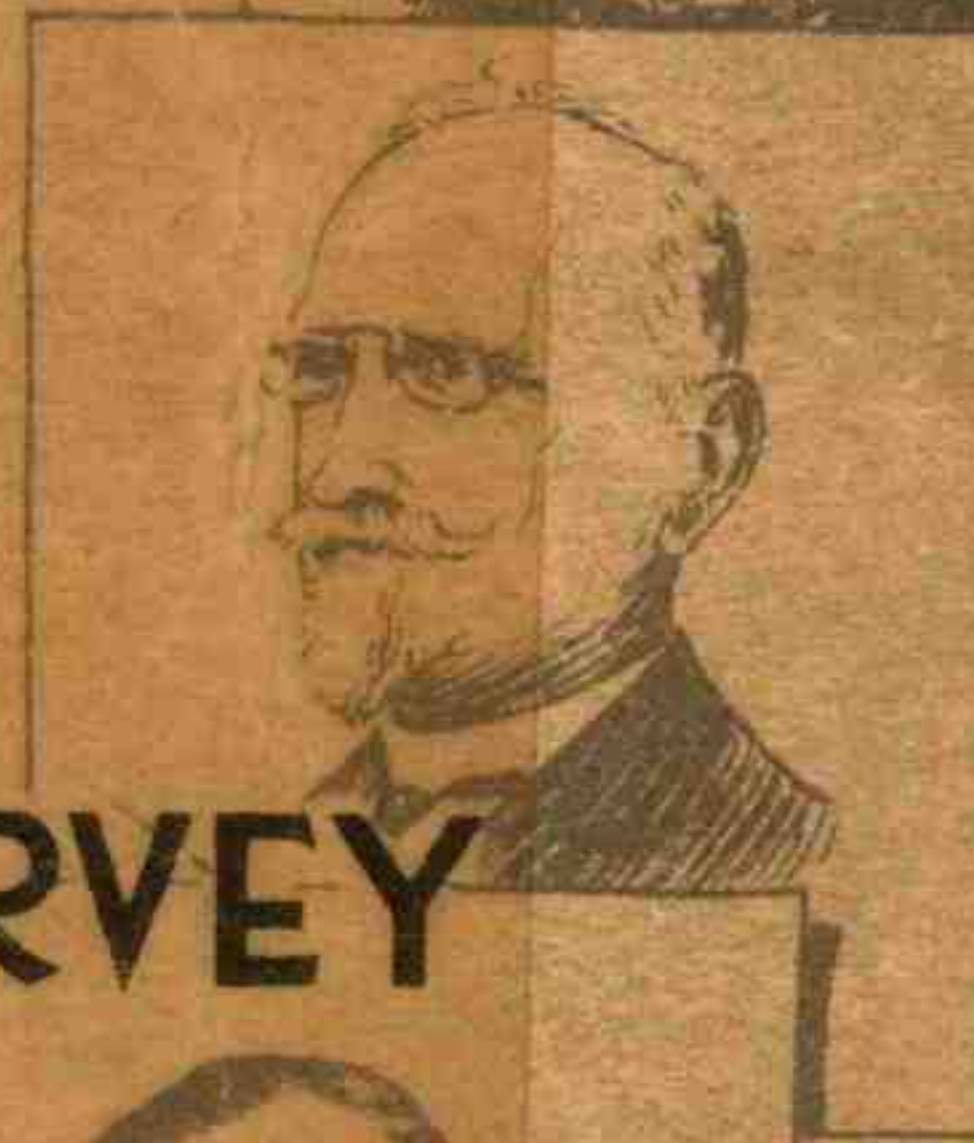
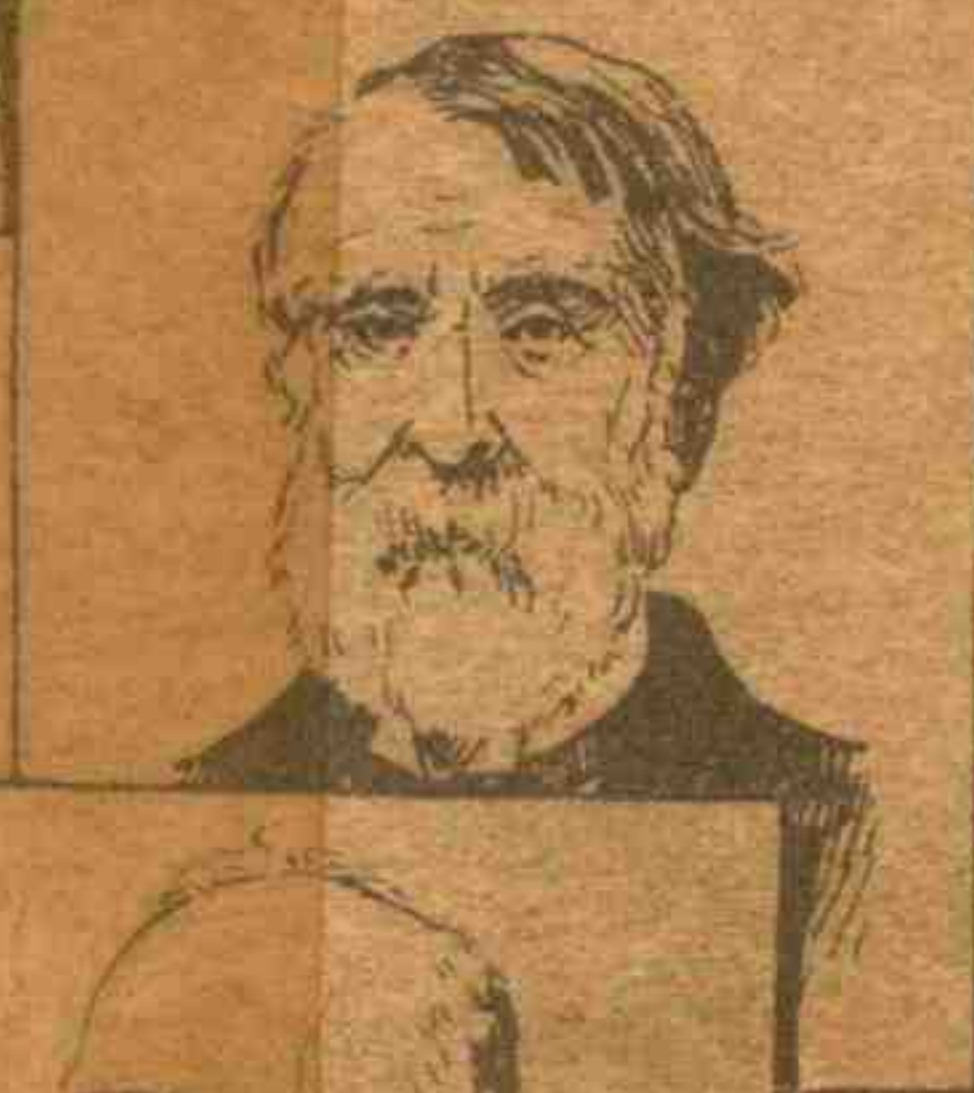
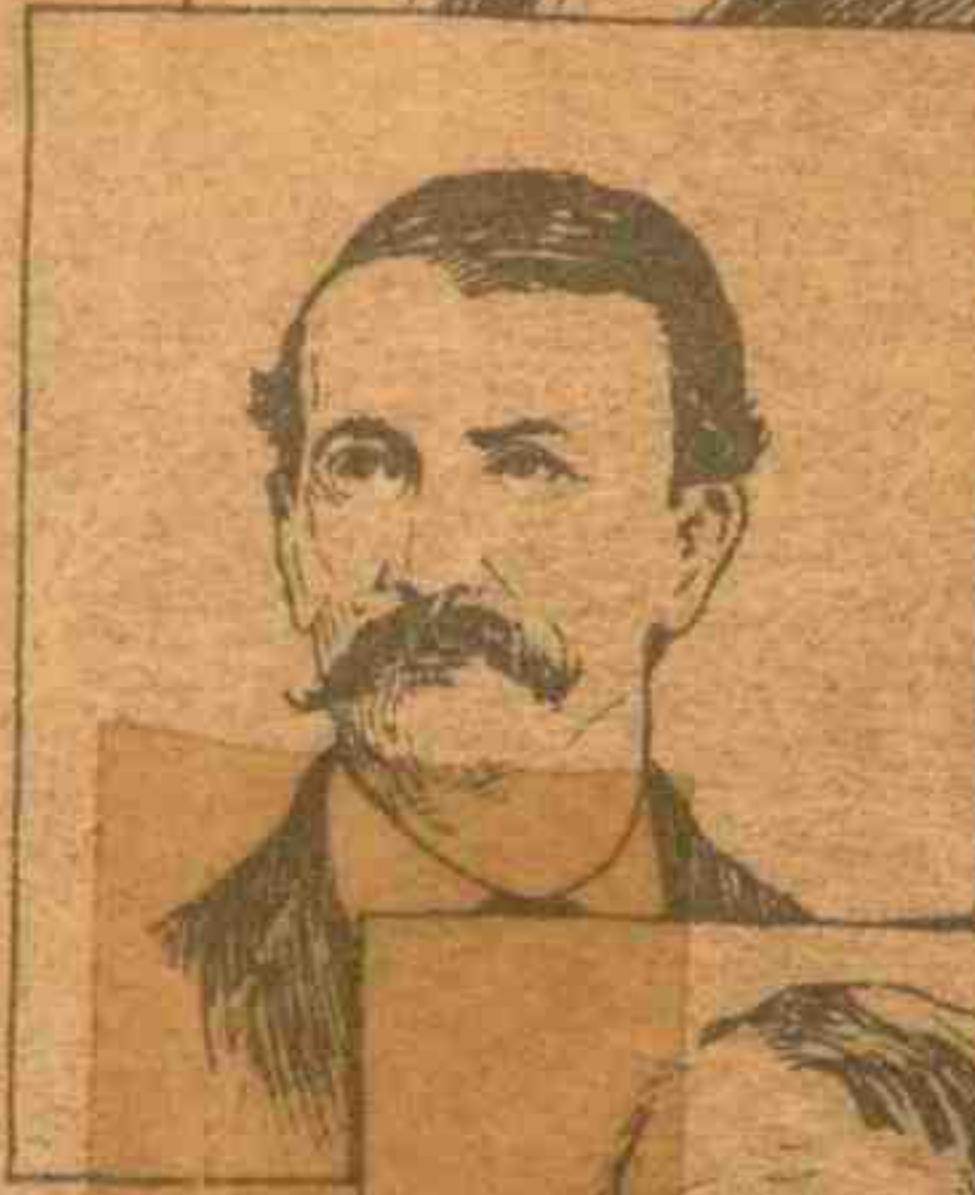
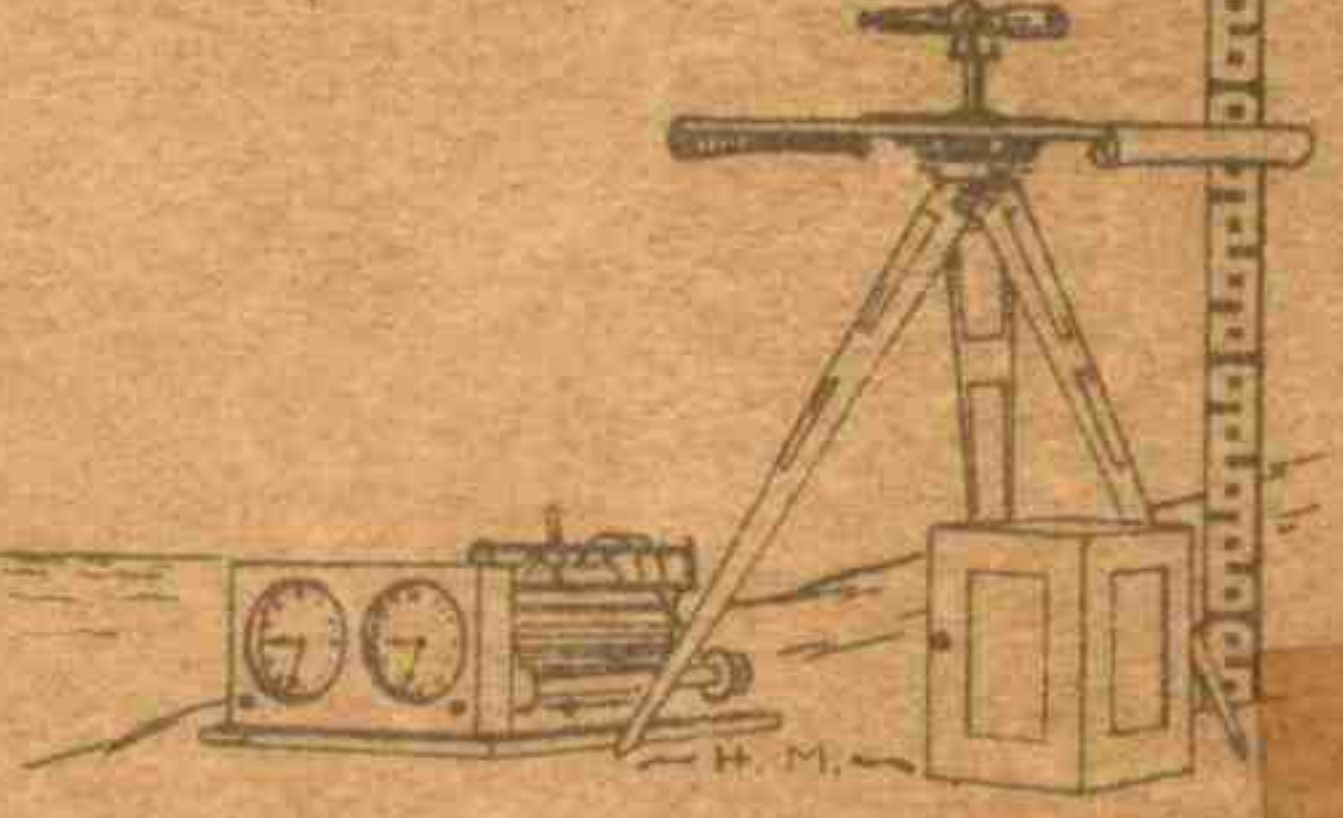
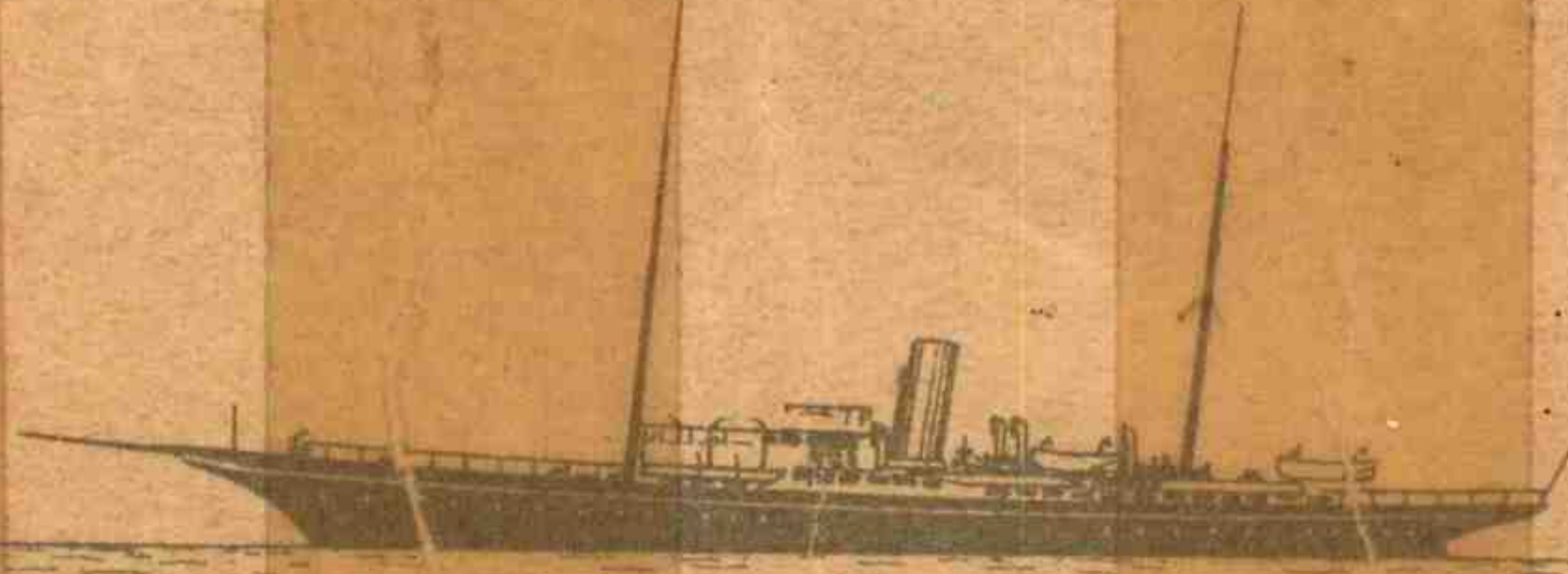
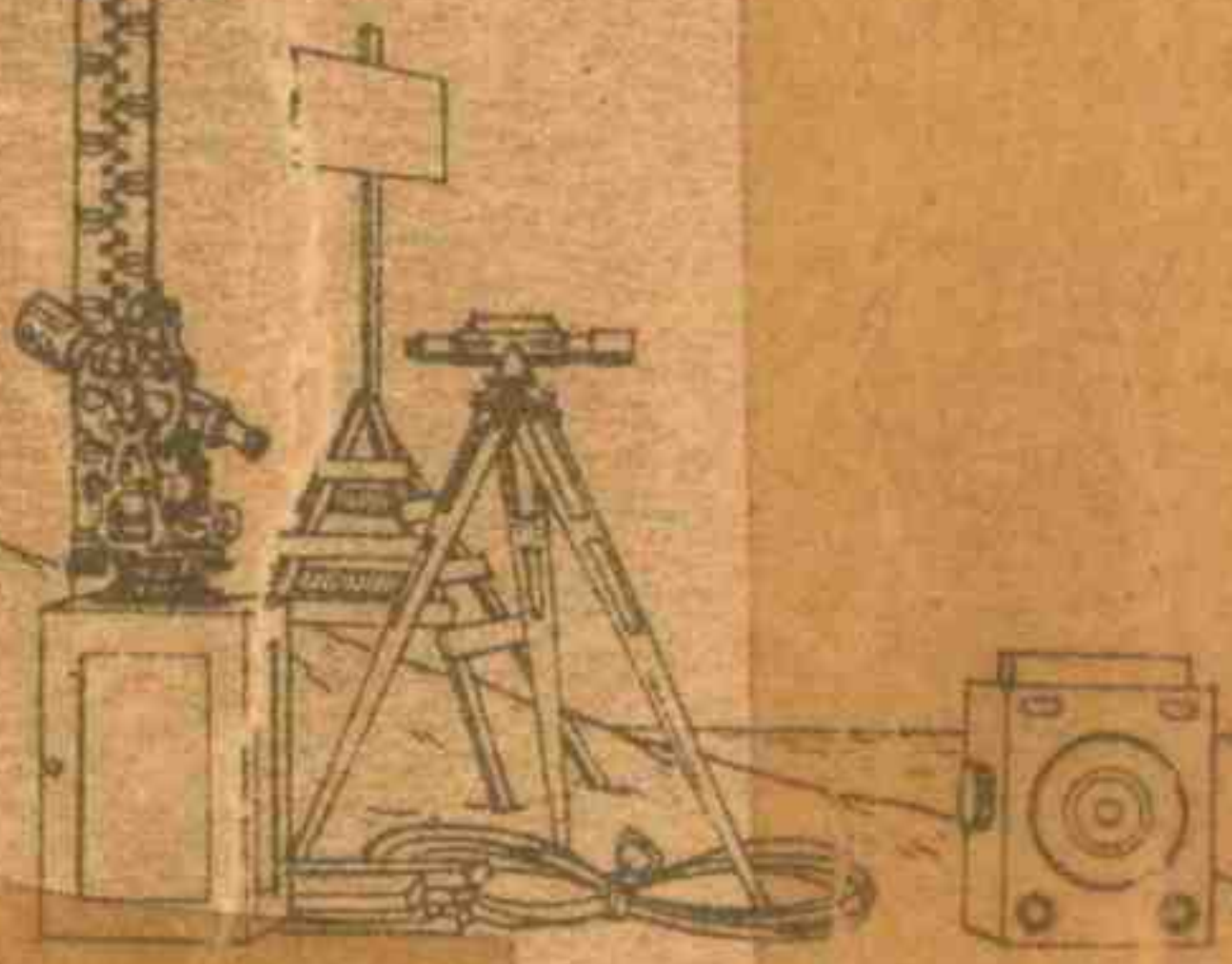


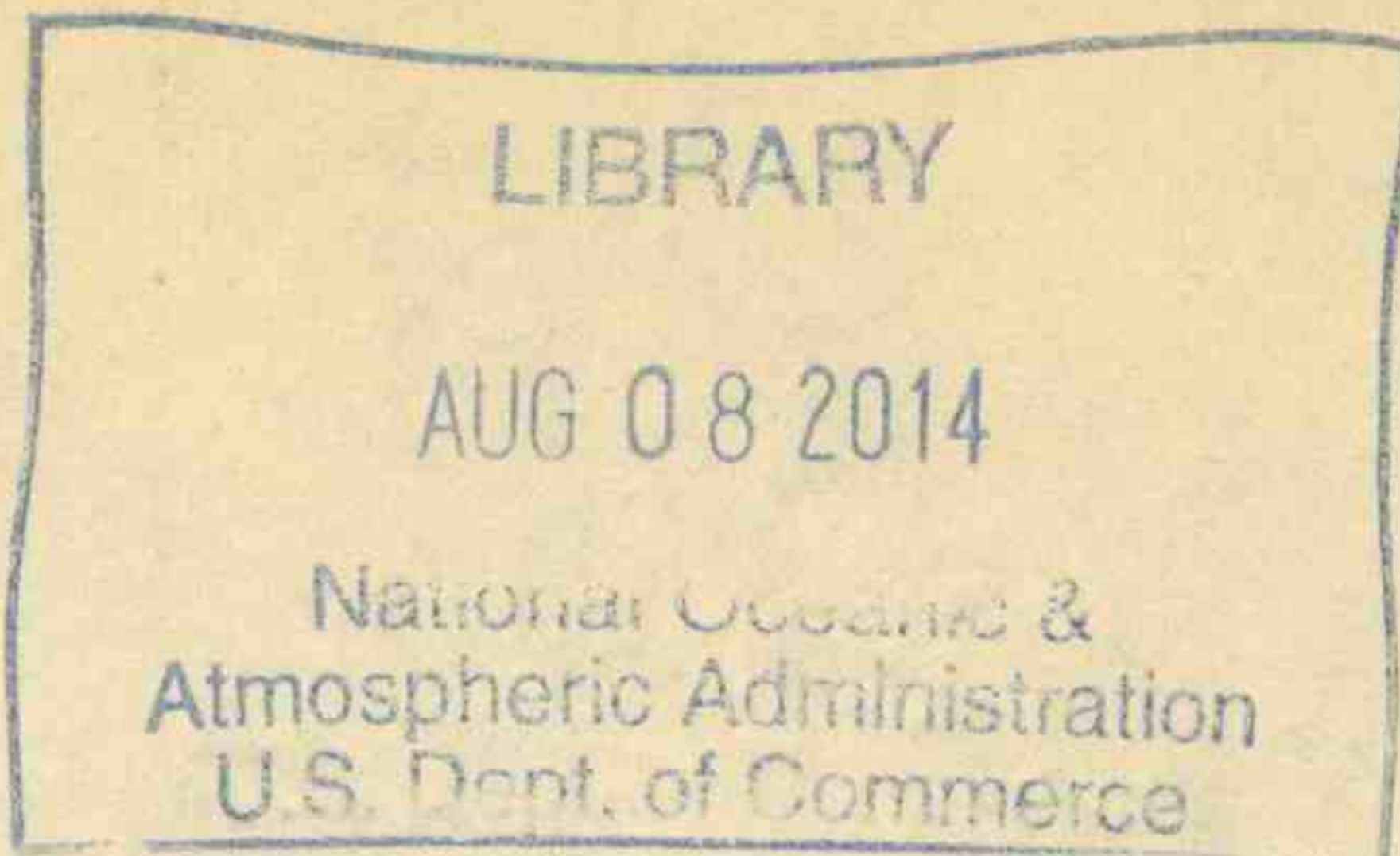
WHO'S WHO



IN THE
U.S. COAST & GEODETIC SURVEY

DECEMBER
1931





QB
297.9
W56
1932
C.2

W H O ' S W H O

i n t h e

C O A S T A N D G E O D E T I C S U R V E Y

Edition : : : : : December, 1931

AUTOBIOGRAPHIES

The first edition of biographies by certain Survey members. Included are all civilian personnel in Grades P-4 and CAF-8 and higher; the Commissioned personnel above the grade of Ensign; and those whose names appear in the Organization Chart printed in the Director's Annual Reports. The retired personnel in these grades are not included.

Only those who have been burdened with such tasks, fully appreciate the importance of the availability of biographical sketches. Many hours have been spent in searches that would have been unnecessary had this plan been adopted years ago.

Revised editions will issue in December of each year.

THE COVER

Full credit is rightly given Harold E. MacEwen and Gaylord H. Streeter for the effective cover. Mr. Streeter sketched the pictures of Director Patton and former Director Jones, while the rest of the pictures and cover were drawn by Mr. MacEwen.

AUG 23 1950

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MAX O. WITHERBEE
R. W. WOODWORTH

LOUIS M. ZESKIND

10/16/31

K(enneth) T(ress) ADAMS,
Commanding officer, GUIDE.

Eod, December 16, 1912.
Lieutenant Commander, June 22, 1923.

Born Gambier, Ohio, October 6, 1891; parents, William Allen and Jessie Tress Adams; married, Loma Pearl Arndt; education, Gambier high school and BS at Kenyon College.

Master's license, unlimited tonnage, any ocean.

FIELD ASSIGNMENTS

1912-13, BACHE
1913, GEDNEY
1914-16, Philippines, FATHOMER, PATHFINDER, ROMBLON
1917, PATTERSON
9/23/17--3/31/19, USNavy, Navigating officer USS MAUMEE
1919-22, Philippines, commanding MARINDUQUE, FATHOMER
1922, PIONEER
1923-25, GUIDE
1925-28, Commanding LYDONIA
1928-31, Commanding GUIDE

OFFICE ASSIGNMENTS

1925, Inspector, New York field station
1928, Temporary duty, Washington Office

10/9/31

OSCAR S(herman) ADAMS,
Senior mathematician, Division of Geodesy.

Eod, June 6, 1910
Senior mathematician, January 16, 1913.

Born near Mt. Vernon, Ohio, January 9, 1874; parents, David W. and Louisa (McElroy) Adams; married, Mary Edna Fuller; children, Catherine Fuller, Jane Elizabeth, and George David; education, Gambier high school, BS at Kenyon College '96, AM '15, ScD '22.

Washington Philosophical Society (Rec. Secy. 1929-30, V. Pres. 1931); Washington Academy of Sciences; Mathematical Assoc. of America; American Mathematical Society; Circolo Matematico di Palermo; Maryland-Virginia-District of Columbia Section of the Mathematical Assoc. of America (secy. 1919, Pres. 1921); Fellow of the American Assoc. for the Advancement of Science; United Spanish War Veterans; Technical Staff of the Congressional Joint Commission on the Re-classification of Govt. Salaries (1919-20); Director, U. S. Dept. of Com. Beneficial Assn.

Author of various articles, including: Application of the Theory of Least Squares to the Adjustment of Triangulation (1915); General Theory of Lambert Projection (1918); Lambert Projection Tables for U. S. (1918); Grid System for Progressive Military Maps (joint author with Captain William Bowie, 1919); Theory of Polyconic Projections (1919); Latitude Developments (1921); Elements of Map Projection (joint author with Charles H. Deetz, 1921); Radio Compass Bearings (1921); Some Elementary Examples of Least Squares (1924); Elliptic Functions Applied to Conformal World Maps (1925); Tables for Albers Projection (1927); Bowie Method of Triangulation Adjustment (1930); Triangulation in Colorado (1930); Mathematical Problems in the Work of the Coast and Geodetic Survey (jointly with W. D. Lambert, in American Mathematical Monthly); A Form for the Computation of Geodetic Positions (jointly with W. D. Lambert, in Le Bulletin Geodesique); and Parabolic Equal Area Projection World Map (in Military Engineer).

OFFICE ASSIGNMENTS

6/6/10--1/16/13, Geodetic computer, Manila sub-office.
1/16/13-- Geodetic computer and geodetic mathematician
in Division of Geodesy.

10/9/31

HARLAN C(offeen) ALLEN,
Chief, Sales Section, Division of Charts.

Eod, May 10, 1899

Chief, Sales Section, Division of Charts, January 15, 1916.

Born Story County, Iowa, December 6, 1869; parents,
Cyrus and Martha W. Allen; married, Maud Robinson; educa-
tion, LHM Georgetown Law School.

OFFICE ASSIGNMENTS

5/10/99--1/14/16, Miscellaneous section

1/15/16-- Sales Section, Division of Charts.

10/22/31

GEORGE L(ivingston) ANDERSON,
Ship GUIDE

Eod, June 30, 1923.
Lieutenant, July 3, 1930.

Born Chatham, Va., October 25, 1900; parents, James and Helen Anderson; married, Ora O. Yeatts; education, BS in CE Virginia Polytechnic Institute.

Soc. Amer. Military Engineers; National Geographic Soc.; license as chief mate, oceans, unlimited.

Author, in part: Tides and Currents, Chesapeake Bay.

FIELD ASSIGNMENTS

July-Dec., 1923, LYDONIA
Jan., 1924-Dec., 1925, Philippines, MARINDUQUE
May, 1926-Sept., 1926, Boston, Mass., tides and currents.
Sept.-Nov., 1926, Long Island, shore party (C. D. Meaney)
Jan., 1927-April, 1928, LYDONIA
April, 1928-Sept., 1928, Chesapeake Bay, tides and currents.
May, 1929-March, 1931, DISCOVERER
March, 1931--- Guide

OFFICE ASSIGNMENTS

March, 1926; April, 1928; Sept., 1928-April, 1929, Division of Tides and Currents.
April, 1926, Division of Terrestrial Magnetism.
Nov., 1926-Jan., 1927, Division of Hydrography and Topography

10/15/31

CARL I(ngman) ASLAKSON,
Chief of Triangulation Party.

Eod, October 2, 1923.

Lieutenant (j. g.), May 3, 1926.

Born Park River, N. Dak., April 23, 1931; parents,
F. T. and M. E. (Ingmundson) Aslakson; married, Marian
Thirsa Corbin; education, BS in CE, University of Minnesota.

South Dakota State College; University of Minnesota;
War Service as Second Lieutenant, U. S. Marine Corps (July,
1917-July, 1919); Army and Navy Club, Manila; Triangle;
Tau Beta Pi; Chi Epsilon.

Author of Survey of Mangrove Rivers and Creeks.

FIELD ASSIGNMENTS

Oct., 1923-Nov., 1924, Launch ELSIE, triangulation in Lake
Okechobee, Fla., and combined operations on Ga. coast.
Nov., 1924-March, 1925, BACHE, on Georgia coast.
March, 1925-Apr., 1927, NATOMA, Alaska, Juan de Fuca Strait
and Puget Sound.
April, 1927-Nov., 1927, GUIDE, Washington coast.
Nov., 1927-Feb., 1930, MARINDUQUE, Philippines, Sulu Sea and
Mindanao.
April, 1930----- Geodesy, triangulation in Iowa, Nebraska,
and Illinois. Chief of Party: Triangulation, Mobile,
Ala., to Corpus Christi, Tex.; base measuring, 8 bases,
Louisiana, Arkansas, Mississippi, and Texas; triangula-
tion, Montana, Wyoming, Colorado, and Utah; triangula-
tion, Texas-Oklahoma.

OFFICE ASSIGNMENTS

One month each -- October, 1923, and March, 1930 -- division
to which assigned not stated.

10/15/31

HENRY G(odfrey) AVERS,
Chief Mathematician, Division of Geodesy.

Eod, December 15, 1908.

Chief Mathematician and Chief of the Section of Leveling, Division of Geodesy, September, 1924.

Born Elmore, Ohio, March 6, 1886; parents, John H. H. and Elizabeth (Niemann) Avers; married, Helen Nelson of Washington, D. C., May 24, 1924; education, Elmore grammar and high school, College of Engineering, Ohio Northern University 1906-08, AB at George Washington University 1909-13.

Mathematical Assoc. of America; Philosophical Soc. of Washington; Washington Society of Engineers; Washington Academy of Sciences (Treas., 1930--); American Assoc. for the Advancement of Science; American Society of Civil Engineers (Secy., Division of Surveying and Mapping 1929--); American Geophysical Union (Secy., Section of Geodesy 1929-1931); American Astronomical Society; National Geographic Society; Cosmos Club of Washington; Albert Pike Lodge No. 36, Free and Accepted Masons; Albert Pike Consistory Scottish Rite Masons; Almas Temple, Ancient Arabic Order Nobles Mystic Shrine; Member of the National Geographic Society Committee of Experts which determined that Commander Byrd went by airplane very close to the North Pole in 1926 and the South Pole in 1929.

Author of various articles, including: Fourth General Adjustment of the Precise Level Net in the United States and the Resulting Standard Elevations (with William Bowie); Precise Leveling from Reno to Las Vegas, Nev., and from Tonopah Junction, Nev., to Laws, Calif. (with George D. Cowie); Precise Leveling in Texas; Precise Leveling in Georgia; First-order Leveling in Oregon; Manual of First-order Leveling.

FIELD ASSIGNMENTS

Limited assignments as Chief of First-order Leveling Parties in Texas, Mississippi, Alabama, Wisconsin, New York, Vermont, and Kentucky.

OFFICE ASSIGNMENTS

Engaged on all classes of computations but leveling in particular.

11/28/31

JOHN BACH,

Chief of Drafting Division, Manila Office.

Eod, February 20, 1902.

Chief of Drafting Division, Manila Office, April 8, 1905.

Born Kristiansand, Norway, February 10, 1872; parents, Hans Christian and Chatrine Johnsen Bach; married, Fannie L. Daily; education, seven years in public schools, graduate in civil engineering from Trondhjem's Technical School in 1892.

Engaged in architectural drafting and construction of private dwellings, Kristiansand, Norway, 1892-93; in 1893, immigrated to the United States, landing in New York, remaining until 1895 as draftsman, and iron worker in the erection of elevators; from 1896-1901, engaged by the Argentine Government on boundary surveys between Argentina and Chili, in the Andes Cordillera, in charge of separate survey unit, triangulation and topography; returned to the United States in January, 1902. With Philippine Government Nov., 1902-April, 1905.

Manila Lodge No. 1, Free and Accepted Masons, and Scottish Rite, Manila Bodies; Manila Polo Club; National Geographic Society.

Author of various articles, including: A Collection of 64 Philippine Islands Maps for the Philippine Census, 1918; Geographic, Political, and Economic Maps of the Philippine Islands; Maps of the City of Manila, and of Manila and Suburbs; Philippine Maps from the Time of Magellan (Military Engineer No. 124, 1929).

FIELD ASSIGNMENTS

1902-03, Observer in shore party at Gubat and Sorsogon, P. I., triangulation, topography, and hydrography.

1904, Chief of party, west coast of Luzon, triangulation and topography.

OFFICE ASSIGNMENTS

July, 1904-April, 1905, Assistant chief draftsman, Manila Government, verification of hydrographic plotting and chart drawings.

April 8, 1905-- Chief of Drafting Division, Manila Office, chart and map construction, and preparation of data for new surveys.

12/10/31

HARLOW BACON,

Cartographic Engineer, Division of Charts.

Eod, January 16, 1897.

Senior Cartographic Engineer, July 1, 1924.

Born near Huntsville, Schuyler County, Ill., January 13, 1867; parents, William H. and Mary E. (Gould) Bacon; married, Viola Coe; education, common and high schools, Dixon College, Dixon, Ill., 1 year, University of Illinois, Champaign, Ill., 4-year course in civil engineering, graduating with the degree of BS in 1893.

First vice president of Local No. 2, in Washington, D. C., of the National Federation of Federal Employees, 1929-32; University of Illinois Illini Club; Illinois State Soc.; Petworth M. E. Church.

Assisted author in preparation of Special Publication No. 47, The Lambert Conformal Conic Projection, with two standard parallels.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

Cartographic Section, Division of Charts.

12/31/31

W(alter) H(erbert) BAINBRIDGE
Ship LYDONIA

Eod, September 1, 1923.
Lieutenant (j. g.), May 29, 1925.

Born Bartlett, Bell County, Texas, September 12, 1897;
parents, Stephen D. and Mary Ann Bainbridge; married, Willie
Karnes Hayes; education, BS in CE, University of Texas.

Tau Beta Pi, Masonic Lodge, Scottish Rite No. 32.

FIELD ASSIGNMENTS

Sept. 4-Nov. 24, 1923, Currents, San Francisco Bay, NATOMA.
March-Oct. 13, 1924, Geodesy, triangulation, and base measure-
ment, Alaska.
Jan. 6-March 23, 1925, ship SURVEYOR.
June 29-Nov. 30?, 1925, First-order triangulation, Washington.
Feb. 5-July 1, 1926, Second-order triangulation, Florida.
Aug. 1-20, 1926, New Jersey.
Sept. 7, 1926-Feb. 17, 1927, longitude and gravity, Hawaii.
Feb. 17, 1927-March 23, 1928, Levels, triangulation, and base
measurement, Hawaii.
March 23, 1928-March 1, 1930, ship GUIDE, Hawaii.
Dec. 1, 1930-----, ship LYDONIA.

OFFICE ASSIGNMENTS

Nov. 30, 1923-March 17, 1924, Seattle station
Oct. 13, 1924-Jan. 6, 1925, Seattle station
March 24-June 29, 1925, Seattle station
Jan. 5?-Feb. 5?, 1926,
July, 1926,
July 1-Nov. 29, 1930,

10/8/31

DUDLEY P(ortiuX) BARNETTE, JR.

Chief of Printing Section, Division of Charts.

Eod, October 16, 1907.

Chief of Printing Section, Division of Charts, September 24,
1923.

Born Catonsville, Baltimore County, Md., July 24, 1881;
parents, Dudley P. and Louisiana J. Barnette; education, one
year each in high school and business college, four years in
Maryland Institute.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

10/16/07, Draftsman

9/24, 1923, Chief of Printing Section

12/15/31

EDWIN C(aleb) BAUM
Ship SURVEYOR

Eod, April 6, 1927.

Lieutenant (j. g.), July 16, 1930.

Born Washington, D. C., April 2, 1900; parent, Charles S. Baum; married, Marcella C. Kane; education, Ross grade and McKinley Manual Training high school, Washington, D. C.; BS in engineering, University of Maryland, College Park, Md.

New Jerusalem Lodge No. 9, Free and Accepted Masons.

FIELD ASSIGNMENTS

June-Aug., 1927, MIKAWA *Mow.*
Sept.-Dec., 1928, RANGER
Jan.-Feb., 1928, EXPLORER
Feb., 1928, en route to Philippine Islands
March, 1928-April, 1930, Philippine Islands
May-June, 1930, en route to United States
Sept., 1930-March, 1931, south San Francisco Bay (Capt. Jones)
April, 1931--- SURVEYOR

OFFICE ASSIGNMENTS

April 6-May, 1927 (Division not stated)
July-Sept., 1930 (Division not stated)

12/14/31

GEO. L(awrence) BEAN
Executive Officer, DISCOVERER

Eod, January 3, 1917.
Lieutenant, March 14, 1921.

Born Bethlehem, N. H., April 14, 1895; parents, Frederick W. and Iva B. Bean; married, Julia A. Roberts; education, BS in CE, University of Vermont.

Washington Athletic Club.

FIELD ASSIGNMENTS

Jan.-April, 1917, Wiredrag party (John A. Daniels) Puget Sound.
April-Sept., 1917, Wiredrag party (A. Joachims) in southeast Alaska.
Sept., 1917--January, 1919, Naval Reserve Force:
Sept., 1917--March, 1918, Bremerton Navy Yard.
March, 1918, USS NORTHERN PACIFIC
April-Oct., 1918, Second officer USS SAMARINDA
Oct., 1918, Second officer USS TJIKENBANG
Nov.-Dec., 1918, Second officer USS JULIA LUCKENBACK
March-June, 1919, Wiredrag party (A. Joachims) Lake Tahoe.
Aug., 1919-Feb., 1920, Second officer SIALIA, Atlantic coast.
March, 1920-Dec., 1921, Second officer WENONAH, se Alaska.
Jan., 1922-Jan., 1924, Second officer FATHOMER and MARINDUQUE.
May, 1924, Wiredrag party (J. H. Hawley) Maine coast.
June, 1924-Sept., 1924, Chief of party, LAUNCH 65, combined operations, Scituate, Mass., and Fire Island, N. Y.
Oct.-Dec., 1924, Commanding officer MIKAWA, Brunswick, Ga., combined operations, attached to BACHE.
Dec., 1924- Jan., 1925, Geodetic work, San Antonio, Texas.
June 15, 1925-Nov., 1925, Chief of party, Washington state, triangulation.
July, 1926-Oct., 1926, Chief of party, Wisconsin state, traverse.
Nov., 1926-Aug., 1928, Chief of party, Oregon and California, coast triangulation.
Sept., 1928-Dec., 1930, Chief of party, California, earthquake triangulation.
March-Dec., 1931, Executive officer DISCOVERER, sw Alaska.
(Made triangulation for Golden Gate Bridge while on annual leave in January, 1931.)

OFFICE ASSIGNMENTS

Jan.-June, 1925, Division of Geodesy.
Jan.-June, 1926, Division of Geodesy.

12/14/31

EDGAR H(erbert) BERNSTEIN
Commanding MIKAWA

Eod, May 29, 1917.
Lieutenant, May 29, 1922.

Born New Berlin, Texas, March 11, 1894; parents, Max B. and Emma M. Bernstein; married, Olive Franklin Ashby; education, grade schools and Western high school (scientific course), Washington, D. C., George Washington University, civil engineering.

Society of American Military Engineers; captain, Company L, High School Cadets, 1914; marine license, Master, steam, unlimited.

Author of data for revision of Inland Route Pilot, New York to Key West, 1931.

FIELD ASSIGNMENTS

MATCHLESS, Pamlico Sound

HYDROGRAPHER, Mississippi Sound, Mobile Bay, Chesapeake Bay, survey of Turtle River, Ga., Key, Biscayne Bay.

RANGER, Coasts of Florida, Alabama, Mississippi, and Virgin Islands.

MARINDUQUE and FATHOMER, Philippine Islands.

LYDONIA, Coast of North Carolina and Florida.

Chief of party, survey of inlet, Beach Haven, N. J.

GUIDE and PIONEER, Pacific coast, (Executive officer).

EXPLORER, Alaska, (Executive officer).

Commanding ELSIE, revision of Inland Coast Pilot, New York to Key West.

Commanding MIKAWA, survey of Wicomico River, Md.

OFFICE ASSIGNMENTS

July-Oct., 1923, Washington Office (Division not named)

March-June, 1923, San Francisco Field Station.

April-July, 1931, Washington Office (Division not named)

10/26/31

P(ercy) L(evy) BERNSTEIN,
Ship PIONEER

Ecd, September 4, 1925.

Lieutenant (j. g.), November 8, 1929.

Born Gulfport, Miss., February 24, 1905; parents, Mr.
and Mrs. A. Bernstein; education, BE in CE, Tulane University.

Louisiana Engineering Society.

FIELD ASSIGNMENTS

Shore party, Delaware River.

LYDONIA, coast of North Carolina.

Tide and current survey, Chesapeake Bay.

SURVEYOR, southwest Alaska.

PIONEER, Hawaiian Islands

OFFICE ASSIGNMENTS

Division of Hydrography and Topography.

Division of Tides and Currents

Division of Terrestrial Magnetism and Seismology

Honolulu Magnetic Observatory.

12/2/31

J(asper) S(herman) BILBY,
Chief Signalman.

Eod, September, 1884.

Chief Signalman, April 1, 1930.

Born Rush County, Indiana, July 16, 1864; parents, Jasper N. and Margaret E. (Hazard) Bilby; married, Louella Cox; children, Mercy (Mrs. Henry P. Humphrey), Walter J.; W. Hayford, and Martha (Mrs. Lee Fleming); education, eighth grade supplemented by study and experience.

Author of Precise Traverse and Triangulation in Indiana (with Charles A. Mourhess); Reconnaissance and Signal Building; and Bilby Steel Tower for Triangulation.

FIELD ASSIGNMENTS

- Sept., 1884-Nov., 1884, Hand, 39th parallel first-order triangulation, Illinois.
- June, 1885-Nov., 1885, Hand, 39th parallel first-order triangulation, Indiana.
- Dec., 1885-May, 1886, Rodman, first-order levels, Alabama, Mississippi, and Louisiana.
- June-Nov., 1886, Hand, first-order triangulation, 39th parallel, Illinois and Indiana.
- Dec., 1884-May, 1887, Rodman, first-order levels, Alabama and Dec Mississippi.
- June-Nov., 1887, foreman, first-order triangulation, 39th parallel, Indiana.
- Dec., 1887-June, 1888, Assistant, reconnaissance party first-order triangulation, Alabama.
- July-Nov., 1888, Carpenter, signal building party, 39th parallel, first-order triangulation, Indiana.
- Dec., 1888-June, 1889, Assistant, reconnaissance for first-order triangulation, Alabama.
- July-Oct., 1889, Subforeman, building signals, 39th parallel, first-order triangulation, Indiana, Ohio, and Kentucky.
- Nov., 1889-Aug., 1890, Foreman, signal building and observing parties, first-order triangulation, Alabama.
- Sept.-Nov., 1890, Foreman, building signals, preparing Holton base line, 39th parallel, Indiana.
- Dec., 1890-May, 1891, Foreman, building signals, first-order triangulation, Alabama.
- June-Oct., 1891, Foreman, Holton base line party, 39th parallel, Holton, Ind.
- Nov., 1891-Jan., 1892, Foreman, building signals, observing, and preparing St. Albans base line, West Virginia.
- Feb., 1892-March, 1894, United States and Mexico Boundary Survey; Assistant on astronomical party, 15 months, assistant quartermaster, 6 months, with tangent party, 3 months, with monumenting party, 2 months.

2, J. S. BILBY

- April, 1894-March, 1895, Supt., Holton Limestone Quarries, Holton, Ind., returning to Bureau service in April, 1895.
- April, 1895-April, 1896, Foreman, signal building, reconnaissance and clearing lines of sight, first-order triangulation, Alabama.
- May, 1896-Jan., 1897, Foreman, signal buildings, and assistant, observing party, first-order triangulation, Maryland, Delaware, and Alabama.
- Feb.-July, 1897, Assistant, building and observing parties, first-order triangulation, Alabama.
- Aug., 1897-Jan., 1898, Assistant, observing party, first-order triangulation, South Carolina and Alabama.
- Feb.-Oct., 1898, Assistant, triangulation party, and in charge of reconnaissance and preparing stations, Chesapeake Bay, Md. and Va.
- Nov., 1898-March, 1899, Assistant, triangulation party, and in charge of reconnaissance and signal building, Alabama.
- April-Dec., 1899, Assistant, reconnaissance, triangulation party on 98th meridian, Kansas, Oklahoma, and Texas.
- Jan.-May, 1900, Assistant, reconnaissance and building, triangulation party, Porto Rico.
- June-Nov., 1900, Assistant on triangulation party and in charge of signal building, 98th meridian, Kansas.
- Dec., 1900-May, 1901, Signalman in charge of reconnaissance, signal building and tape measurement, Beaufort, S. C., to Augusta, Ga.
- June-Nov., 1901, Signalman in charge of building towers, first-order triangulation, 98th meridian, Kansas.
- Dec., 1901-March, 1902, Signalman in charge building party, triangulation, Georgia.
- April-Dec., 1902, Signalman in charge, double building party, triangulation, 98th meridian, Kansas, Oklahoma, and Texas.
- Jan.-April, 1903, Signalman in charge subparty, revision of triangulation, Atlantic Coast, North Carolina.
- May-Sept., 1903, Signalman in charge subparty, first-order triangulation, reconnaissance, and signal building, 98th meridian, Nebraska, South and North Dakota, and Minnesota.
- Oct., 1903-Jan., 1904, Signalman in charge, reconnaissance and signal building, first-order triangulation, 98th meridian, Texas.
- Feb., 1904-April, 1905, Signalman in charge subparty, revision of triangulation, Florida coast.
- May-Sept., 1905, Signalman in charge subparty, signal building and reconnaissance, first-order triangulation, 98th meridian to Duluth, Minn.
- Oct., 1905-Feb., 1906, Signalman in charge, reconnaissance and signal building, first-order triangulation Alice to Corpus Christi, Texas.
- March-Oct., 1906, Signalman in charge subparty, building towers and preparing base lines, 98th meridian, Minnesota.
- Jan.-June, 1907, Assistant, party determining astronomical latitudes and azimuths, western and southern States.

3, J. S. BILBY

- July, 1907, Assistant, observations, triangulation, 98th meridian, Minnesota.
- Aug., 1907-Feb., 1908, Signalman in charge subparty, reconnaissance Texas-California arc first-order triangulation.
- March-June, 1908, Signalman in charge building party, Texas-California arc first-order triangulation.
- July-Sept., 1908, Assistant, party determining values gravity, southern and eastern States.
- Oct., 1908-April, 1909, Signalman in charge subparty, Texas-California arc first-order triangulation.
- May-Sept., 1909, Signalman in charge subparty, revision of triangulation, Florida.
- Oct., 1909-Feb., 1910, Signalman and Assistant, first-order triangulation party, in charge lightkeepers, transportation of party and preparation of stations, Texas-California arc.
- March-July, 1910, Assistant, gravity party, New England.
- Aug., 1910-Feb., 1911, Assistant, triangulation party, in charge lightkeepers, transportation and preparation of stations, Texas-California arc.
- March-August, 1911, Signalman and chief of party, reconnaissance first-order triangulation, 104th meridian, Pike's Peak, Colo., to Canadian Boundary.
- Sept.-Oct., 1911, Chief of party, reconnaissance first-order triangulation, Salt Lake, Utah, to Needles, Calif.
- Nov., 1911-Feb., 1912, Chief of party, reconnaissance, first-order triangulation, Huntsville, Ala., to Little Rock, Ark.
- March-Nov., 1912, Chief of party, in charge preparing stations and base lines, assisting in measurement two base lines, 104th meridian triangulation, Colorado, Montana, North and South Dakota.
- Jan.-Oct., 1913, Chief of party, reconnaissance and signal building, first-order triangulation, Alice to Point Isabel, Texas; preparing and helping to measure two base lines in Colorado and Montana.
- Nov., 1913, Chief of party, reconnaissance first-order triangulation, Little Rock, Ark., to 98th meridian, Oklahoma.
- 1914, Chief of party, signal building, first-order triangulation, Huntsville, Ala., to Memphis, Tenn., and Louisville, Ky., to North Vernon, Ind.
- 1915, Chief of party, first-order traverse, Little Rock, Ark., to Memphis, Tenn.; reconnaissance, first-order triangulation, 98th meridian in Oklahoma to Needles, Calif.
- 1916, Located stations on coasts of Georgia and Florida; chief of party, reconnaissance, signal building, and preparation of stations, first-order triangulation, Salt Lake, Utah, to Portland, Ore.
- 1917, Chief of party, first-order traverse, Georgia; reconnaissance and signal building, first-order triangulation, Brownsville to Davis Mountains, Tex.
- 1918, Chief of party, first-order traverse, including levels and triangulation, Macon to Savannah, Ga., and Norfolk,

4, J. S. BILBY

- Va., to Raleigh, N. C.; reconnaissance, first-order triangulation, 98th meridian arc near Waco, Tex., to Mississippi River, in Louisiana.
- 1919, Chief of party, tower building, triangulation, Waco, Tex., to Mansfield, La., and Ft. Smith, Ark., to 98th meridian arc in Oklahoma; reconnaissance, triangulation, 98th meridian, El Reno, Okla., to Needles, Calif.
- 1920, Chief of party, first-order traverse, 39th meridian arc, North Vernon, Ind., to South Bend, Ind., and Beloit, Wis., to 39th parallel triangulation near Vandalia, Ill.
- 1921, Chief of party, first-order traverse, Gulf coast, Pascagoula, Miss., to Laurel, Miss.; built ways and boat-house, Ketchikan, Alaska; reconnaissance, triangulation, Lake of the Woods, Minn., to Lake Superior, on United States-Canadian boundary.
- 1922, Chief of party, recovering and remarking triangulation stations, St. Louis, Mo., to Pike's Peak, Colo., along 39th parallel arc; cooperated on measurement two bases on 104th meridian arc of triangulation, New Mexico.
- 1923, Assisted measurement base line near Pasadena, Calif. (later used by Prof. A. A. Michelson in his determination of velocity of light -- most accurately measured base line in the world); reconnaissance and signal building, first-order triangulation, Oklahoma-Texas boundary; reconnaissance, signal building, and base measurement in Montana, along United States-Canadian boundary.
- 1924, Chief of party, reconnaissance, first-order triangulation, 98th meridian arc, Mitchell, S. Dak., to Boseman base line, Montana; built signals, same project, Mitchell to the Black Hills, S. Dak.; reconnaissance and signal building, Seguin base, 98th meridian, to Del Rio, Texas.
- 1925, Chief of party, reconnaissance, first-order traverse, Galveston, Tex., to Ft. Smith, Ark.; reconnaissance and signal building, first-order triangulation, Columbia River to Canadian boundary; reconnaissance, triangulation, Albert Lea, Minn., to Missouri-Arkansas state line.
- 1926, Chief of party, reconnaissance, first-order triangulation, Green Bay, Wis., to 98th meridian in South Dakota; reconnaissance, Albert Lea, Minn., to Royalton base, Minnesota.
- 1927, Chief of party, erecting and moving Bilby tower, South Dakota and Minnesota; reconnaissance, first-order triangulation, 94th meridian, Iowa, to La Salle, Ill.
- 1928, Chief of party, reconnaissance, first-order triangulation, Missouri and Arkansas; preliminary reconnaissance, Cairo, Ill., to New Orleans, La., and Corpus Christi, Tex., to Jacksonville, Fla.
- 1929, Chief of party, reconnaissance, first-order triangulation along Mississippi River, Memphis to Natchez; erect-

5, J. S. BILBY

ing, dismantling, and transporting Bilby portable steel towers used on triangulation arc, Cairo, Ill., to New Orleans, La.

1930-1931 field assignments not given.

OFFICE ASSIGNMENTS

Assigned to Washington Office at various periods between field assignments, for consultation with Director, Assistant Director, and division chiefs, completing records of past seasons, and making plans for future work.

Designer of the Bilby portable steel tower in 1927, described in Special Publication No. 158, "Bilby Steel Tower for Triangulation."

12/10/31

ROSWELL C(Larence) BOLSTAD
Ship FATHOMER

Eod, July 1, 1927.

Lieutenant (j. g.), July 3, 1930.

Born, Wells, Minnesota, June 27, 1902; parents, Elias and Minnie Bolstad; married, Mercedes V. Anderson; education, BS in CE, College of Engineering, University of Minnesota.

FIELD ASSIGNMENTS

Dec., 1927-June 6, 1928, LYDONIA, Florida east coast.

June 6-August 10, 1928, Wire drag party, Isle of Shoals, Me.

August 10-December 8, 1928, Shore revision party, Jamaica Bay, N. Y.

November 21, 1930-----, Philippines, ship FATHOMER

OFFICE ASSIGNMENTS

December 8--November 21, 1930, air photos, Washington office.

July 1-December, 1927, Training

10/8/31

JOHN A(loysius) BOND,
Lieutenant

Eod, July 2, 1917.

Lieutenant, January 24, 1924.

Born Manchester, N. H., August 12, 1896; parents, Oswick L. and Ellen M. (Ryan) Bond; education, grammar school, Gonzaga high school, BS at Catholic University of America 1916.

Author of Triangulation in the Philippines

FIELD ASSIGNMENTS

- 1917, Wiredrag party, New England.
- 1918, Primary traverse, east coast.
- 1919-1921, Ship SURVEYOR, including trip from east coast to west coast and three seasons in Alaska.
- 1922, Ship PIONEER, overhauling ship, and trip from east coast to west coast.
- 1923, Ship DISCOVERER, Alaska duty.
- 1924, Ship EXPLORER, Alaska duty.
- 1925-26, Philippine Islands, MARINDUQUE.
- 1927, Ship GUIDE, west coast.
- 1928-29, Ship PIONEER, west coast.
- 1930, Ship DISCOVERER, Alaska duty.
- 1931, Survey of Houston Ship Channel, Tex.

OFFICE ASSIGNMENTS

- 1926, Manila Office (about 10 months) engaged in preparation of manuscript and sketches for publication "Triangulation in the Philippines," Vols. 1 and 2.
- 1927, San Francisco field station, about 5 months.

11/16/31

GLENDON E(dwin) BOOTHE,
Lieutenant

Enl, July 12, 1923.

Lieutenant, July 16, 1930.

Born near Farmer City, Ill., October 22, 1900; parents, Charles Edwin and Gertrude Estelle (Holforty) Boothe; married, Anne Louis Herron, June 23, 1925; education, high school, Roswell, N. Mex., BS in CE, New Mexico College of Agriculture and Mechanic Arts, State College, N. Mex., 1923.

Gamma Sigma

FIELD ASSIGNMENTS

- July 12-Dec. 12, 1923, Observer, precise leveling, Montana, Wyoming, Idaho, Yellowstone Park.
- July 8-Oct. 24, 1924, Junior officer (party of Herman P. Odessey), triangulation and traverse, South Dakota.
- Dec. 17, 1924-March 11, 1925, Junior officer, DISCOVERER.
- March 11-April 1, 1925, Chief of party, precise leveling, California.
- June 26-Nov. 22, 1925, Chief of party, precise leveling, Colorado.
- June 7-Oct. 5, 1926, Chief of party, precise leveling, Colorado.
- Nov. 10, 1926-March 8, 1927, Observer (party of J. M. Smook), precise leveling, California and Arizona.
- March 8-April 23, 1927, Chief of party, precise leveling, Arizona.
- April 29-July 5, 1927, Chief of party, precise leveling, California.
- July 17, 1927-March 3, 1930, Third officer, GUIDE, Washington and Hawaii.
- May 26-June 16, 1930, Chief of party, Coast Pilot, launch ELSIE III, Charleston, S. C., to New York, N. Y.
- June 16-Oct. 17, 1930, In charge launch ELSIE (party of J. C. Sammons), tide and current survey, Narragansett Bay.
- May 18-Oct. 17, 1931, Chief of party, tide and current survey Buzzards Bay, Mass.

OFFICE ASSIGNMENTS

- Jan. 2-July 1, 1924, Washington Office, division of geodesy.
- Nov. 21-Dec. 17, 1924, San Francisco field station.
- April 1-June 22, 1925, San Francisco field station.
- Dec. 31, 1925-June 5, 1926, San Francisco field station.
- July 6-15, 1927, San Francisco field station.
- April 1-May 24, 1930, Washington Office, division of hydrography and topography.
- Oct. 18, 1930-May 18, 1931, Washington Office, division of tides and currents.
- Oct. 20, 1931---- Washington Office, division of tides and currents.

10/7/31

FRANK S(paulding) BORDEN

Chief, Section of Field Work, Division of Hydrography
and Topography.

Ensign, June 30, 1911.

Lieutenant-Commander, July 1, 1930.

Born Mehoopany, Pa., September 19, 1888; parents, M. K.
and P. R. Borden; married, Nelle E. Camp; education, Tunk-
hannock, Pa., high school, 1906, Wyoming Seminary, 1907, CE
at Lehigh University, 1911.

American Society Civil Engineers; Society of Military
Engineers; Washington Society of Engineers; Phi Delta Theta;
Masons; Sojourners.

FIELD ASSIGNMENTS

1911-12, Schooner MATCHLESS.

1912-13, Ship HYDROGRAPHER.

1913-16, Ship ROMBLON, tide and current survey.

1917, Primary triangulation, Alaska.

1917-19, C. A. C., U. S. Army.

1918-19, American Expeditionary Force.

1919-20, Ship RANGER.

1920-21, Ships ISIS and BACHE.

1921, Launch ELSIE III.

1922-23, Ship HYDROGRAPHER.

1923-25, Ship BACHE

1926, Ship FATHOMER

1927-28, Ship PATHFINDER

OFFICE ASSIGNMENTS

Sept., 1928--- Chief, Section of Field Work, Division of Hy-
drography and Topography.

1/27/32

JOHN CARLOS BOSE
Ship PATHFINDER

Eod, August 18, 1923.
Lieutenant, July 16, 1930.

Born, Durango, Mexico, June 3, 1902; parents, Louis Carl and Joan Caroline Bose; married, Eleanor Anne Christie; education, Agricultural and Mechanical College of Texas, 1919-23, BS in CR.

FIELD ASSIGNMENTS

Aug., 1923-Jan., 1924, With gravity party of E. J. Brown.
Aug.-Sept., 1924, Precise leveling, New Jersey.
Oct. 1-Nov. 4, 1924, Chief of party, precise leveling, New Jersey.
March-Oct., 1925, Reconnaissance party of G. C. Jones, Aleutian Islands--wireless longitude and magnetics.
Nov. 9, 1925-Feb. 20, 1928, Ship PIONEER, RAR, launch, and ship hydrography.
Feb. 27-March 31, 1928, Ship SURVEYOR, ship duties and third-order triangulation, Olympia, Wash.
Apr. 1, 1928-Oct. 28, 1929, M. V. NATOMA, executive officer, combined operations.
Nov. 30, 1929-Feb. 14, 1930, Ship DISCOVERER.
March 30, 1930-Jan. 27, 1931, Ship FATHOMER, launch hydrography and third-order triangulation.
Jan. 27, 1931---, Ship PATHFINDER, combined operations.

OFFICE ASSIGNMENTS

Jan.-Aug., 1924, Washington Office, experiments with gravity pendulums and instruction.
Nov., 1924-March, 1925, Washington Office.

1/1/32

JOHN BOWIE, JR.

Chief of Triangulation Party, California.

Eod, June 10, 1925.

Lieutenant (j. g.), May 21, 1927.

Born, Annapolis Junction, Md., April 8, 1902; parents, John and Ethel F. Bowie; education, graduated in civil engineering, University of Maryland.

Theta Chi fraternity.

FIELD ASSIGNMENTS

- 1925, Canadian Boundary triangulation (P. C. Doran)
1926, Canadian Boundary triangulation (P. C. Doran); triangulation in Minnesota and Iowa (H. W. Hemple); ship NA-TOMA in Juan de Fuca Straits for five months.
1927, Chief of party, levels in Massachusetts, Vermont, and New Hampshire.
1928, Triangulation, Louisiana coast (William Mussetter); triangulation in Pennsylvania, Ohio, and Kentucky.
1929, Reconnaissance for Mississippi River triangulation (William Mussetter); Triangulation, Mississippi River (H. W. Hemple).
1930, Triangulation, Mississippi River (H. W. Hemple); Chief of party, levels in Indiana, Ohio, and Michigan.
1931, Chief of party, Reconnaissance in San Joaquin Valley, Calif., and the Nevada-California State Line between Reno and Oregon; Chief of party for triangulation of these two schemes and the San Joaquin-Sacramento River triangulation.

OFFICE ASSIGNMENTS

- 1925-1926, winter, Seattle field station.
1926-1927, winter, Washington office.
1928-1929, winter, two months in Washington office.
1929-1930, winter, two months in Washington office.

10/22/31

WILLIAM BOWIE,
Chief, Division of Geodesy.

Rod, July 1, 1895.
Captain, July 1, 1917.

Born Annapolis Junction, Md., May 6, 1872; parents, Thomas John and Susanne (Anderson) Bowie; married, Elizabeth T. Wattles; one son, Clagett Bowie; education, St. John's College, Annapolis, Md.; Trinity College, Hartford, Conn. (BS 1893, Hon. MA 1907, ScD 1919); Lehigh University, Bethlehem, Pa (CE 1895, Hon. ScD 1922). *Ph.D. Univ. Edinburgh, 1936*

Special lecturer in geodesy and isostasy, Lehigh University, 1925---; in charge special course in geodetic and practical astronomy, Summer School of Columbia University, Litchfield County, Conn., 1912-17; Delta Kappa Epsilon; Phi Beta Kappa; Sigma Xi; Cosmos Club; United States Army (Major of Engineers, Aug., 1918--Feb., 1919); American Geophysical Union (Pres., 1929---); International Geodetic and Geophysical Union (United States delegate, Rome 1922, Madrid 1924, Prague 1927, and Stockholm 1930; Pres., 1919---, International Association of Geodesy); International Geodetic Association (United States delegate, Hamburg, 1912); Pan Pacific Union (United States delegate, Honolulu, 1920); Geological Society of America; Geological Society of Washington; American Society of Civil Engineers (Chairman, Surveying and Mapping Division, 1926---); Board of Surveys and Maps of the Federal Government (Chairman, 1922-24); Association of American Geographers; National Academy of History and Geography (foreign member); Pan American Institute of Geography and History (United States delegate, Mexico City, 1929); Russian Geographical Society; Society of American Military Engineers; Washington Society of Engineers (Pres., 1914); Fellow, American Association for the Advancement of Science; National Academy of Sciences; Washington Academy of Sciences (Pres., 1930); Academy of Sciences of Institute of France; Videnskapsakademie of Norway; Philosophical Society of Washington (Pres., 1926); American Astronomical Society; Seismological Society of America; National Research Council; and International Research Council (United States delegate, Brussels, 1919).

Author of numerous publications, articles, etc., including the following: Effect of Topography and Isostatic Compensation upon the Intensity of Gravity (with J. F. Hayford, 1912); Texas-California arc of primary triangulation, 1912; Effect of topography and isostatic compensation upon the intensity of gravity (second paper, 1912); Determination of time, longitude, latitude, and azimuth, 1915; Fourth general adjustment of the precise level net of the United States (with

H. G. Avers); Primary triangulation along the 104th meridian and along the 39th parallel in Colorado, Utah, and Nevada, 1914; Precise leveling from Brigham, Utah, to San Francisco, Calif., 1914; Investigations of Gravity and Isostasy, 1917; Report on the connection of the area of primary triangulation, Texas and Mexico, 1918; Grid system for progressive maps in the United States (with Oscar S. Adams), 1919; Geodetic Operations in the United States, Jan. 1, 1912--Dec. 31, 1921; Study of time errors in precise longitude determinations by U. S. Coast and Geodetic Survey, 1923; Isostatic investigations and data for gravity stations established in the United States since 1915; Geodetic Operations in the United States and outlying possessions, Jan. 1, 1922-Dec. 31, 1923; Earth movements in California; Geodetic operations in the United States, Jan. 1, 1924-Dec. 31, 1926; Comparison of old and new triangulation in California; Geodetic operations in the United States, Jan. 1, 1927-Dec. 31, 1929; A gravimetric test of the "Roots of Mountains" theory, 1924; Use of gravity pendulum as a timepiece; Isostatic condition of the United States as indicated by groups of gravity stations; Our present knowledge of isostasy from geodetic data (Journal of Geodesy, Aug., 1917); Some geological conclusions from geodetic data (Proceedings, National Acad. Sciences, Jan., 1921); The relation of isostasy to uplift and subsidence (Amer. Journal of Science, July, 1921); Yielding of the earth's crust (Annual Report, Smithsonian Institution, 1921); The theory of isostasy--A geological problem (Bull., Geological Soc. of Amer., June 30, 1922); The earth's crust and isostasy (Geographical Review, Oct., 1922); The present status of geodetic work in United States and its value to geology (Amer. Journal of Science, May, 1923); The function of geodesy in surveying (Military Engr., Mar.-Apr., 1924); Isostasy in Holland (Amer. Journal of Science, May, 1924); Gravity Results in Mackenzie Basin (Amer. Journal of Science, May, 1924); Stability of geodetic bench marks in United States (Engineering News-Record, May 1, 1924); The gravimetric survey of California (Astronomical Soc. of the Pacific, June, 1924); The bearing of the theory of isostasy on some major geological problems (Journal of Franklin Institute, Aug., 1924); On the size of the block of the earth's crust which may be independently in isostatic equilibrium (Journal Wash. Acad. of Sciences, Sept. 19, 1924); Gravity observations on Indian Ocean and the results of their isostatic reduction (Nature, Dec. 27, 1924); The importance of isostasy in geodetic research (Bulletin Geodesique, No. 3, 1924, Paris); Results of meeting of section of geodesy held at Madrid in September and October, 1924, which are of geological interest (Amer. Journal of Science, Feb., 1925); Board of Surveys and Maps and Aeronautics (National Aeronautical Assoc. Review, April, 1925); The cause and prediction of earthquakes (Science, April 10, 1925); Scientists to test "Drift" of

continents (New York Times, Sept. 6, 1925); Scientist to weigh "Floating" earth crust--Dutch geodesist will use submarine in testing truth of new theory (New York Times, Sept. 20, 1925); Volcanic Science to make earth safer (New York Times, Oct. 11, 1925); How mountains are made (Scientific Monthly, Oct., 1925); Isostasy in the Southern Pacific (Journal, Wash. Academy of Science, Dec. 4, 1925); Deflection of the vertical in Porto Rico (Journal, Wash. Academy of Science, Jan. 19, 1926); Geology from the isostatic viewpoint (Scientific Monthly, Jan., 1926); Mapping the skylines (Western Flying, Feb., 1926); Isostasy in Western Siberia (Amer. Journal of Science, Feb., 1926); Eliminating drag effect in triangulation (Military Engr., Jan.-Feb., 1926); Proposed theory, in harmony with isostasy, to account for major changes in the elevation of the earth's surface (Gerlands Beitrage zur Geophysik, Heft 2, 1926, Leipzig); Notes on the airy or "Roots of Mountains" theory (Science, April 9, 1926); Earthquakes from the isostatic viewpoint (Journal Wash. Academy of Science, May 4, 1926); Pendulum observations between Holland and Java (American Journal of Science, Sept., 1926); The work of the Coast and Geodetic Survey (Cornell Civil Engr., May, 1926); Long lines of triangulation (Geographical Review, Oct., 1926); Isostatic reductions of Spanish gravity stations (Amer. Journal Science, Oct., 1926); Relation of Isostasy to seismology (Amer. Journal Science, Nov., 1926); The Importance of gravity determinations at sea (Proceedings, Third Pan Pacific Science Congress, Tokyo, 1926); Review of "Schwerekraft und Isostatische Kompensation in Norwegen" (Amer. Journal Science, Jan., 1927); Importance of isostasy to mapping (Military Engr., Jan.-Feb., 1927); Use of gravity pendulum in search for petroleum, (Oil and Gas Journal, Jan. 20, 1927); Measurement of length of line used in determination of velocity of light (Astrophysical Journal, Jan., 1927); Importance of gravity observations in disclosing subsurface structures (Bulletin of Associated Engineering Societies of Illinois, April, 1927); Isostasy (E. P. Dutton & Co., July, 1927); The effect of the shape of the geoid on values of gravity at sea (Amer. Journal Science, Sept., 1927); Some phases of the vertical movement of crustal material (Amer. Journal Science, Oct., 1927); An early comment on isostatic compensation (Amer. Journal Science, May, 1928); Gravity in Western Canada (Amer. Journal Science, Sept., 1928); The triangulation of North America (Geographical Journal, London, Oct., 1928); The reliability of the spheroid derived by the isostatic method (Bulletin Geodesique, Oct.-Dec., 1928); The stability of the earth's crust as tested by triangulation (Journal Wash. Academy Sciences, Feb., 1929); Leveling up Mt. Whitney (Sierra Club Bulletin, Feb., 1929); Weighing the earth from a submarine (Scientific American, March, 1929); Isostasy and geological thought (Scientific Monthly, May, 1929); The figure of the earth derived

from triangulation methods (Amer. Journal Science, July, 1929); Note on a change by the Coast and Geodetic Survey in precise leveling methods (Bulletin Geodesique, July-Sept., 1929); Notable progress in surveying instruments (Scientific Monthly, Nov., 1929); Zones of weakness in the earth's crust (Science, Dec. 20, 1929); Geography (Popular Science Monthly, Jan., 1930); Status and importance of isostasy (Mining and Metallurgy, Feb., 1930); The scientific and practical value of triangulation (Journal Wash. Academy of Sciences, Feb. 19, 1930); The triangulation system of the United States (Scientific Monthly, Feb., 1930); Status and progress in the art of surveying and mapping (Proceedings, Amer. Soc. Civil Engineers, March, 1930); Status and importance of isostasy (Mining and Metallurgy, Feb., 1930); Bench marks established on trees (Engineering News-Record, March, 1930); International cooperation in geographical work (Mexican address, in Science, April 25, 1930); The origin of the moon (Military Engr., May-June, 1930); Some international problems in geodesy (Bulletin Geodesique, April-June, 1930); Test of Wagnener Hypothesis by means of geodetic data in India (Science, May 2, 1930); Topographic map of entire country grows in year (U. S. Daily, June 17, 1930); Elements of Isostasy--Observations and interpretation (Scientific Monthly, Aug., 1930); Tilting of mean sea level (Illinois Engr., Oct., 1930); Notes on the activities and personnel of Coast and Geodetic Survey--Progress on expanded plan for control surveys (Journal of Assoc. of Amer. State Geologists, Jan., 1931); Determination of astronomical longitudes at some triangulation stations (Bulletin Geodesique, Jan.-March, 1931); Modernizing triangulation practice (Civil Engineering, Dec., 1930); Shaping the earth (Journal Wash. Academy of Science, March 19, 1931); Preservation of old surveying instruments (Military Engr., March-Apr., 1931); The earth as an engineering structure (Scientific Monthly, May, 1931); Thickness of the ice in Greenland (Amer. Journal Science, May, 1931); and Triangulation (Scientific American, June, 1931).

FIELD ASSIGNMENTS

- 1895-96, Topographic surveying on Buzzards Bay, Mass.; was in charge of subparty working separately from main party during 1896. (Chief of party was Stehman Forney.)
- Fall, 1896-Jan., 1897, Recorder, precise leveling party (Isaac Winston), Wicksburg-Meridian, Miss.
- Summers, 1897-99, In charge topographic parties, northern Chesapeake Bay, from Patapsco River to Sassafras River.
- Jan.-June, 1899, Ship BLAKE (Commander W. C. Hodgkins), south coast of Island and in San Juan Harbor.
- Jan.-May, 1900, Observer (party of Stehman Forney), triangulation party, in Porto Rico, from Ponce to San Juan.
- Jan.-May, 1899, Steamer QUICK (Commander P. A. Welker), general surveys of Lake Ponchartrain, La.

5. WILLIAM BOWIE

- July, 1900-Feb., 1901, First-order base line party (A. L. Baldwin), measuring nine bases along 98th meridian.
- April-Sept., 1901, Party (Homer P. Ritter) on general surveys eastern portion Prince William Sound, Alaska.
- March-Oct., 1902, In charge double first-order triangulation party, 98th meridian, from southern Kansas to Center, Texas.
- Jan., 1903-May, 1905, Philippines. General surveys in Lingayen Gulf, Batangas Bay, Manila Bay, Balayan Bay, and vicinity of Ilo Ilo.
- Aug., 1905-May, 1906, In charge topographic party, vicinity of Nobjack Bay and York River and Chesapeake Bay.
- Feb.-May, 1907, In charge longitude party in Florida, Georgia, and South Carolina.
- Summer, 1906, In charge first-order triangulation party in Minnesota on the 98th meridian.
- Summer, 1907, Completed northern end of 98th meridian arc of first-order triangulation.
- Oct., 1907-Feb., 1908, In charge reconnaissance party for first-order triangulation along Texas-California arc.
- Summer, 1908, In charge astronomical party, determination of astronomical latitudes and azimuths in Indiana, Michigan, Illinois, Wisconsin, and Oklahoma.
- Late 1908-Jan., 1909, In charge first-order triangulation party, eastern end of Texas-California arc in Texas.

OFFICE ASSIGNMENTS

- Jan., 1909-Oct., 1909, Assistant chief, division of geodesy.
- Oct., 1909, Chief of Computing Division and Inspector of Geodetic Work. These two offices were combined to that of the Chief, Division of Geodesy, a few years later.

10/16/31

J(ohn) H(olman) BRITTA IN
Ship GUIDE

Ed, July 27, 1925.

Lieutenant (j. g.) February 8, 1929.

Born, Estill Springs, Tenn., September 25, 1901; parents, James D. and Myrtle Cooper Brittain; married, Katharine F. Williams; education, high school, Billings, Mont., BS in CE, Montana State College, Bozeman, Mont.

FIELD ASSIGNMENTS

- 1925, First-order triangulation, Washington.
- 1926, Third-order triangulation, Florida.
- 1926, First-order levels, South Dakota.
- 1927, 1928-1930, 1931, First-order levels, Chief of party, Western United States.
- 1927, Launch MIKAWA.
- 1928, Chief of party, Second-order triangulation, Potomac River.
- 1929, First-order triangulation, California.
- 1930, Chief of party, second-order triangulation, California coast.
- 1931, Ship GUIDE.

OFFICE ASSIGNMENTS

- 1926-1928, Division of Geodesy, short periods.

12/8/31

EDWIN J(ay) BROWN

Gravity observations, Washington Office.

Eod, July 2, 1923.

Lieutenant, July 3, 1930.

Born, Peru, Ind., May 11, 1899; parents, Howard and Mariette (Ginther) Brown; married, Elsie E. Stitt (January 28, 1925); children, Betty Louise and Barbara Ann; education, BS in CE, Michigan State College, 1923.

Philosophical Society of Washington; Tau Beta Pi, Masonic fraternity; National Sojourners.

Author of various papers and special reports on Longitude and Gravity apparatus.

FIELD ASSIGNMENTS

1923, Gravity observations.

1924-1925, Triangulation and astronomical observations.

1926, World longitude and gravity observations.

1927, Triangulation.

1928, Astronomical observations.

1929, Triangulation.

OFFICE ASSIGNMENTS

1925-1929, winter, experimental work on radio time signal recording apparatus.

1930-1931-----, Development of new gravity apparatus.

12/10/31

CLARENCE A(manders) BURMISTER
Ship OCEANOGRAPHER

Eod, September 1, 1925.
Lieutenant (j. g.), November 8, 1929.

Born, Prescott, Arizona, April 7, 1896; parents, Am-
dus G. and Mary M. Burmister; education, Prescott High
School, BS in CR, California Institute of Technology, Pasa-
dena, Calif, 1925.

United States Naval Institute (1927); Society of Ameri-
can Military Engineers (1927).

FIELD ASSIGNMENTS

Sept. 1-Oct. 1, 1925, San Francisco field station.
Oct. 2, 1925-July 31, 1927, ship GUIDE.
Sept. 2-Oct. 18, 1927, Philippines, ship PATHFINDER.
Oct. 19-Dec. 19, 1927, Philippines, ship FATHOMER.
Dec. 19, 1927-Feb. 4, 1928, Philippines, ship MARINDUQUE.
Feb. 11-July 5, 1928, Philippines, ship PATHFINDER.
July 6, 1928-Oct. 16, 1929, Philippines, ship FATHOMER.
Feb. 23-May 31, 1930, Atlantic coast, ship OCEANOGRAPHER.
June 1-July 17, 1930, ships RANGER and NATOMA, Atlantic coast.
July 17-Dec. 2, 1930, Atlant coast, ship OCEANOGRAPHER.
Dec. 3, 1930-April 25, 1931, Atlantic coast, ship LYDONIA.
April 25, 1931---- Atlantic coast, ship OCEANOGRAPHER.

OFFICE ASSIGNMENTS

Feb. 24-28, 1930,

12/16/31

H(enry) B(owers) CAMPBELL,
Commanding officer, ship DISCOVERER.

Eod, July 2, 1912.
Lieutenant-Commander, July 1, 1930.

Born, Parishville, N. Y., June 17, 1891; parents, John J. and Campbell; married, Jos. E. Bowers; education, BS in CE, Clarkson College of Technology, Potsdam, N. Y.

Association American Society of Civil Engineers; Boston Propellor Club, Seismological Society of America; Washington Athletic Club.

FIELD ASSIGNMENTS

1912, ship MATCHLESS.
1913-1916, Alaska, on ships GEDNEY, McARTHUR, and EXPLORER, junior officer.
1917-1920, Philippine Islands: PATHFINDER (1917), and Commanding officer ship RAMBLER, 2½ years.
1921, Executive officer BACH.
1922, Commanding officer, WILDCAT.
1923, Executive officer, PIONEER.
1924, Executive officer, SURVEYOR.
1925, Commanding officer, NATOMA.
1926-1927, Inspector, Boston field station.
1928-1929, Philippine Islands, Commanding officer, PATHFINDER.
1930, Philippine Islands, Texas, and ship DISCOVERER.

OFFICE ASSIGNMENTS

1926-1927, Inspector, Boston field station.

12/19/31

PERCY B(ennett) CASTLES,

Senior cartographic engineer, Division of Charts.

Eod, August 16, 1900.

Senior cartographic engineer, July 1, 1928.

Born, Buffalo, N. Y., April 1, 1876; parents, George and Margaret (McGrann) Castles; education, public, high, and correspondence school of engineering.

Washington Society of Engineers; American Legion; and Corinthian Yacht Club, Washington.

Transferred to War Department, as First Lieutenant, U. S. Engineers, September 24, 1917; overseas with A. E. F. January 31, 1918-March 25, 1919; discharged from Army April 2, 1919.

FIELD ASSIGNMENTS

Dec. 1, 1900, ship BLAKE

Feb., 1902-March 29, 1904, Philippines station, chief draftsman.

June-July 29, 1922, ship MIKAWA, coast pilot work.

OFFICE ASSIGNMENTS

Aug. 16-Dec. 1, 1900, "D. and E. Division."

March 29, 1904-September 23, 1917, "D. and E. Division."

April 2, 1919-June, 1922, "D. and E. Division."

July 29, 1922--- , Division of Charts.

12/14/31

WALTER J(oseph) CHOVAN,
Ship SURVEYOR.

Eod, Oct. 18, 1918; out Feb. 6, 1923: Eod, July 27, 1925.
Lieutenant (j. g.), February 8, 1929.

Born, Pittsburgh, Pa., February 22, 1900; parents, Alex and Sophia Chovan; married, Almeda Frances Keightly; education, grammar and Lincoln high school, Los Angeles, Calif., University of California, Berkeley, Calif.

East Gate Lodge No. 290, F. A. A. M. of California (1925); National Sojourners, Washington Chapter No. 3 (1930); George Washington Camp of Heroes of '76 (1930); Automobile Club of Washington (1931).

FIELD ASSIGNMENTS

Oct. 21-Dec., 1918, Seattle field station (Captain Pratt).
Dec., 1918-June 6, 1919, Hydrography and topography at Tacoma, Washington (Captain Maupin).
June 18-Oct. 28, 1919, Geodesy, north coast of California (E. B. Latham).
Oct. 28, 1919-March 31, 1920, Triangulation and magnetism, San Francisco Bay (Fremont Morse).
April 1, 1920-March 7, 1921, Alaska, ship LYDONIA (E. H. Pagenhart).
March 7, 1921-Feb., 1923, Alaska, ship EXPLORER (N. H. Heck)
July 27-Aug. 1, 1925, San Francisco office (Paul C. Whitney)
August 4-November 5, 1925, Seattle office (Captain Dericksen)
Nov. 23, 1925-Aug. 4, 1926, Hawaiian Islands, ship DISCOVERER (C. L. Garner).
Aug. 11, 1926-Feb. 19, 1927, San Francisco office (Paul C. Whitney). Wire Drag, north coast of California Sept. 8, 1926-Feb. 19, 1927.
Feb. 23-Dec. 31, 1927, Alaska, ship SURVEYOR, (R. R. Lukens).
Jan. 2, 1928-Oct. 20, 1929, ship NATOMA, Tacoma Harbor; west coast to east coast; various places on east coast. (Captain Jones and Captain Senior)
Oct. 22, 1929-April 4, 1931, compilation air photos.
April 8, 1931-----, Alaska, ship SURVEYOR (F. B. T. Siems)

OFFICE ASSIGNMENTS

Oct. 22, 1929-April 4, 1931, Compilation of air photos.

1/15/32

LEO OTIS COLBERT,
Commanding officer, OCEANOGRAPHER.

Eod, July 1, 1907.
Commander, July 1, 1930.

Born, Cambridge, Mass., December 31, 1883; parents, P. J. and Margaret (Byrnes) Colbert; married, Florentine Odon; education, Boston public schools and BS in CE Tufts College (1907).

American Society of Civil Engineers.

Co-author with J. A. Daniels of Wire Drag in Alaska.

FIELD ASSIGNMENTS

1907-08, Atlantic coast, wire drag.
1908-11, Pacific coast and Alaska, ships GEDNEY, McARTHUR, and PATTERSON.
1911-14, Philippines.
1909-12, Executive officer, ships GEDNEY, McARTHUR, and PATHFINDER.
1912-14, Commanding officer, MARINDUQUE
1914, Executive officer, GEDNEY
1915, spring, ship EXPLORER
1915-17, Alaska, chief of party, wire dragging.
1917-18, Navy, on transport, northern Pacific, Watch officer and first lieutenant.
April-June, 1919, Commanding officer, ship ARCTURUS.
July, 1928-July, 1930, Manila, Director of Coast Surveys.
Jan. 3, 1931-----, Commanding officer, OCEANOGRAPHER.

OFFICE ASSIGNMENTS

June, 1919-April, 1926, Chief, section vessels and equipment.
April, 1926-May, 1928, Chief, section of field work.
Sept.-Dec., 1930, Revision of Aug. 1, 1931, edition of Bureau Regulations and Instructions.

10/16/31

LUKE A(dolphus) COLE,
Chief, Section of Datum Planes, Division of Tides and
Currents.

Eod, September 20, 1902.

Chief, Section of Datum Planes, March 9, 1925.

Born, Parkersburg, Wood County, West Virginia, March 24,
1873; parents, Arius Nye and Zidenna (Kellar) Cole; married,
Laura Clayton Stapleton; education, three years mathematics
and languages, George Washington University.

Philisophical Society of Washington; National Geographic
Society.

Author of various articles and publications, including:
Sea Level Determinations, and Tidal Datum Planes (The United
States Daily), and tidal bench mark publications for the fol-
lowing States: New York, District of Columbia, Rhode Island,
Connecticut, New Jersey, Massachusetts, and Oregon.

FIELD ASSIGNMENTS

Inspections and leveling, Atlantic coast tide stations.

OFFICE ASSIGNMENTS

Sept. 20, 1902-Jan. 6, 1918, Clerk-typist, Tidal Division.

Jan. 6-Oct. 23, 1918, Time and shipping clerk.

Oct. 23, 1918-----, Mathematician, Division of Tides and
Currents.

2/19/32

HAROLD A(lonzo) COTTON
Inspector, New York Field Station.

Eod, June 1, 1911.
Lieutenant-Commander, July 1, 1930.

Born, Frackville, Pa., August 14, 1889; parents, Alonzo and Elmira Cotton; married, Inez Lavette; education, Ocean City (N. J.) High School, 1906, University of Pennsylvania, BS in CE, 1910.

Assoc. Member, American Society Civil Engineers; Society of American Military Engineers; U. S. Naval Institute; National Geography Society.

FIELD ASSIGNMENTS

1911-12, seasons, Wire drag, Atlantic coast.
1911-12, winter, Ship ENDEAVOR, Chesapeake Bay.
April, 1913-Dec., 1914, Ship EXPLORER.
June-Oct., 1915, Ship YUKON.
Feb., 1916-Sept., 1917, Ship EXPLORER, Executive Officer.
Sept., 1917-July, 1919, United States Navy.
July, 1919-Dec., 1920, Ship LYDONIA, Executive Officer.
Feb., 1921-March, 1922, Ship MARINDUQUE, Commanding Officer.
March, 1922-Dec., 1923, Ship FATHOMER, Commanding Officer.
May, 1924-Feb., 1925, Ship LYDONIA, Commanding Officer.
March, 1925-March, 1926, Ship SURVEYOR, Executive Officer.
March, 1926-March, 1927, Ship NATOMA, Commanding Officer.
March, 1927-July, 1929, Ship EXPLORER, Commanding Officer.
Aug., 1929----, New York Field Station, in charge.

OFFICE ASSIGNMENTS

1911-12, 1912-13, 1914-15, 1915-16, 1924, 1926-27, winters, short periods, Washington Office.

10/13/31

GEORGE D(urno) COWIE,
Commanding officer, LYDONIA.

Eod, July 1, 1910.

Lieutenant-Commander, July 1, 1930.

Born, Ogdensburg, N. Y., December 30, 1888; parents, Charles and Chrissie A. Cowie; married, Theodora Hurlbut; education, public schools, Ogdensburg, N. Y., Ogdensburg Academy, Clarkson College of Technology. BS in CE (1912) and CE (1920).

American Society of Civil Engineers; Naval Institute.

Author of Wireless Longitude Determinations.

FIELD ASSIGNMENTS

Field work on third-order and first-order triangulations.

Precise leveling.

Astronomical determinations, latitude, longitude and azimuth, United States and Alaska.

Gravity determinations.

Wireless longitude determinations.

Traverse measurements.

Chief of party, combined operations, United States and Philippine Islands.

Magnetic measurements, ship and shore.

Coast pilot field work.

OFFICE ASSIGNMENTS

Coast Pilot office work, West Indies supplement and Sandy Hook to Norfolk.

Various office assignments, computing triangulation, gravity, and astronomical work.

10/19/31

KENNETH G(leason) CROSBY,
Ship GILBERT.

Eod, July 2, 1923.
Lieutenant, July 3, 1930.

Born, Orleans, Mass., September 12, 1901; parents,
Orville W. and Celia W. (Walker) Crosby; married, Edna Clare
Waters; education, Orleans high school and Tufts College--
Engineering School.

American Radio Relay League.

FIELD ASSIGNMENTS

1923, Wire drag
1924-25, Philippine Islands.
1926, Alaska, shore party.
1927-28, West coast, ship PIONEER.
1929-30, East coast, ship LYDONIA.
1931, East coast, ships OCEANOGRAPHER and GILBERT.

12/7/31

WILLIAM H(endricks) DECK,
Chief, Personnel Section.

Ecd, September 3, 1907.
Chief of Personnel Section, October 1, 1923.

Born, Washington, D. C., August 15, 1886; parents, William M. and Annie L. (Hendricks) Deck; married, Elizabeth P. Cole (July 29, 1918); public and Eastern High schools, Washington, D. C., The Drillery Business College, the Washington School of Chiropractic, and various correspondence courses in writing.

Writers' and Artists' Club of America.

Author of articles for current magazines.

OFFICE ASSIGNMENTS

1907-08, Library and Archives Division.

1908-11, Instrument Division.

1911-23, Division of Hydrography and Topography.

1923-31----, Chief of Personnel Division.

11/25/31

CHARLES H(enry) DEETZ,

Senior cartographic engineer, Division of Charts.

Eod, January 28, 1889.

Senior cartographic engineer, Division of Charts, 1919.

Born, Sellersville, Pa., April 10, 1864; parents, Thomas Berger and Caroline (Nase) Deetz; married, Clarissa Hannah Wilson (1892); education, Phillips Exeter Academy, Classical course (1882-85), Massachusetts Institute of Technology, civil engineering (geodetic course) (1885-88), and special courses, ancient and modern languages, George Washington University and other schools.

Philosophical Society of Washington; Federal Board of Surveys and Maps.

Author of various articles and publications, including: Lambert Conformal Conic Projection (1918); Lambert Projection Tables for France, Etc. (1918); Elements of Map Projection, with application to map and chart construction (with Osear S. Adams) (editions 1921, 1928, ~~and~~ 1931); and contributions to technical magazines.

FIELD ASSIGNMENTS

- 1889, Triangulation in Alabama (A. T. Mosman).
1889, Triangulation, topography and hydrography, in Alabama and Florida (P. A. Welker).
1890, Topography and hydrography, Florida west coast (H. Her- gesheimer).
1892, Topography and hydrography, Boston Bay, Mass. (W. F. Low, U. S. N.)
1898, Topography and hydrography, Portsmouth Harbor, Me. and N. H. (P. A. Welker).

and 1934); cartography 1936

OFFICE ASSIGNMENTS

Cartographer and assistant chief of cartographic section.
Senior cartographic engineer, and research, Division of Charts.

12/9/31

EARLE A(ndrew) DEILY,

Second officer, Acting Executive, ship FATHOMER.

Eod, July 16, 1923.

Lieutenant, July 16, 1930.

Born, Philadelphia, Pa., November 21, 1900; parents, Wilson A. and Laura S. Deily; married, Dorothy Pauline McClintock; education, BS in CE, The Pennsylvania State College (1923).

Society of American Military Engineers; Pi Kappa Phi. *Mason*

FIELD ASSIGNMENTS

July-Dec., 1923, First-order levels, California, Oregon, and Washington, Recorder-Observer.
March-June, 1924, Third-order Triangulation, Oregon coast, Observer.
July-Aug., 1924, First-order levels, southern California earthquake investigations, observer.
Sept.-Dec., 1924, First-order triangulation, Imperial Valley, Santa Barbara Channel, California, assistant to observer, observer.
March-April, 1925, ship DISCOVERER.
May-Oct., 1925, First-order triangulation, Needles-Salt Lake arc, vicinity of Reno, Nev., assistant to observer, observer.
Oct., 1925-Jan., 1926, First-order levels, southern California, observer.
Feb.-Dec., 1926, Wire drag, topography, California coast.
Jan.-June, 1927, Training section.
July, 1927-Dec., 1928, ship HYDROGRAPHER, second officer, triangulation, topography, and hydrography.
Dec., 1928-June, 1929, Chief of party, east coast of Florida, triangulation, topography, and signal building.
June, 1929-Feb., 1930, ship LYDONIA, Acting Executive, second, and third officer.
March, 1930-----, Second officer and acting Executive, ship FATHOMER.

OFFICE ASSIGNMENTS

Jan.-March, 1924, Training, Washington office.
Jan.-Feb., 1925, San Francisco field station.

10/7/31

C(harles) H(omer) DIECK,
Chief Clerk.

Eod, February 24, 1909.
Chief Clerk, July 1, 1921.

Born, Prairie City, Ill., October 28, 1879; parents,
Christian and Elizabeth Dieck; married, Julia C. Buckley;
education, high school, business college, and law.

OFFICE ASSIGNMENTS

Library and Archives; Office of Assistant in Charge; Su-
perintendent's Office; Clerk to Director; Chief Clerk.

Retired Oct 1, 1947

Died March 8, 1956

10/9/31

LINDSAY P(ettit) DISNEY,

Chief, Section of Tide Predictions, Division of Tides
and Currents.

Eod, February 11, 1919.

Chief, Section of Tide Predictions, March 9, 1925.

Born, Baltimore, Md., August 16, 1895; parents, Irvin
P. and Rosa C. (Dobson) Disney; married, Anne P. Rhodes;
education, BS in ME, George Washington University.

Associate Member, American Society of Civil Engineers;
Philosophical Society of Washington; Sigma Alpha Epsilon;
Sigma Tau.

Author of articles on tides, currents and related sub-
jects; Co-author of Tides and Currents in San Francisco Bay;
author of annual Tide and Current Tables since 1926; and
Tidal Current Charts for several American harbors.

FIELD ASSIGNMENTS

Installation and inspection of tide stations on Atlantic and
Gulf coasts.

OFFICE ASSIGNMENTS

Mathematician, Division of Tides and Currents.

1/21/32

PHILIP C(hester) DORAN,
Ship MARINDUQUE, Philippine Islands

Eod, August 1, 1923
Lieutenant, July 3, 1930.

Born Meridian, Conn., December 30, 1901; parents,
Joseph B. and Agnes Fitzgerald Doran; education BS in CE,
Yale.

FIELD ASSIGNMENTS

(Dates not supplied)

Traverse, Minnesota and Wisconsin.

Triangulation, Alaska, California, and Washington.

Levels, Missouri.

Ship work, EXPLORER in southeast Alaska, 2 years.

Ship work, MARINDUQUE in Philippines, 1 year

OFFICE ASSIGNMENTS

None

10/15/31

HERBERT GROVE DORSEY,
Principal Electrical Engineer.

Eod, September 15, 1926.

Principal Electrical Engineer, July 1, 1923.

Born, Kirkersville, Ohio, April 24, 1876; parents, Edwin Jackson and Mary Elma (Grove) Dorsey; married, Virginia Rowlett; education, Public school, Denison University, BS (1897), MS (1898), The Johns Hopkins University, fall of 1897; Harvard University (1900-01), Cornell University (1904-08), PhD (1908).

Fellow of American Assoc. for the Advancement of Science; Fellow of American Physical Society; Fellow of Acoustical Society of America; Member, American Optical Society; Member, Institute of Radio Engineers; Member, American Institute of Electrical Engineers; Member, American Assoc. of Physics Teachers; Member, American Geophysical Union; Member, Washington Philosophical Society; Sigma Xi and Phi Kappa Phi Honorary Societies; Beta Theta Pi; Cosmos Club.

Taught physics at Universities of Maine, Florida, and Cornell; research engineer, Western Electric Co., National Cash Register Co., Hammond Radio Research Laboratory, and Submarine Signal Co.

Author of numerous scientific articles on magnetism, expansion, electroculture, electric furnaces, optics, telephony and radio; inventor of several devices, including the dynamic loud speaker and fathometer, having also coined the word "fathometer" (measure Fathoms).

FIELD ASSIGNMENTS

Developed RAR on the Atlantic coast.

In charge of installation, maintenance, and instruction in echo depth sounding apparatus on the ships LYDONIA, PIONEER, GUIDE, SURVEYOR, PATHFINDER, FATHOMER, MARINDUQUE, LYDONIA, NATOMA, RANGER, OCEANOGRAPHER, and HYDROGRAPHER.

OFFICE ASSIGNMENTS

None, being in field service only.

12/9/31

PETER DULAC

Secretary to the Director

Eod, March 7, 1917

Secretary to the Director, September 25, 1923.

Born, Skowhegan, Me., March 11, 1891; parents, Paul J. and Exerila (Halley) Dulac; married, Dorothy Ruth Linseott (Sept. 3, 1919), daughter, Helen E.; education, grade school and business college.

OFFICE ASSIGNMENTS

March 7, 1917-Oct., 1918, Library clerk and assistant librarian.

Nov., 1918-June, 1921, Time and shipping clerk.

July, 1921-Sept., 1923, Personnel clerk.

Sept., 1923-----, Secretary to the Director.

1/2/32

CASPER M(arshall) DURGIN
Ship PATHFINDER

Eod, July 27, 1917
Lieutenant, February 7, 1923.

Born, Exeter, N. H., November 29, 1896; parents, Henry G. and Mary Dow Durgin; married, Hallie T. Lancaster; education, 5½ years, Harvard college.

Assoc. Member, American Society of Civil Engineers.

Joint author with W. D. Sutcliffe of Manual of First-Order Traverse.

FIELD ASSIGNMENTS

1917-1923, Traverse, leveling, and triangulation.
1924-1925, Ship SURVEYOR
1926-1927, Inspection, traverse, triangulation.
1928-1929, Ship DISCOVERER
1930-----, Ship PATHFINDER

OFFICE ASSIGNMENTS

(Dates not given), Between seasons while on geodetic work.

11/25/31

ROBERT A(ugust) EARLE
Ship SURVEYOR

Eod, November 11, 1927.
Lieutenant (j. g.), July 3, 1930.

Born, New York, N. Y., November 25, 1906; parents, John H. and Etta E. Earle; education, public schools, Mt. Penn High School at Reading, Pa., and BS in CE at Virginia Military Institute.

American Society of Military Engineers.

FIELD ASSIGNMENTS

Dec. 20, 1927-Jan. 9, 1928, Launch MIKAWA, Training section.
March 22, 1928-Aug. 6, 1928, Launch MIKAWA, Training section.
Aug. 18, 1928-Jan. 18, 1929, Launch ELSIE, Combined operations, Charleston, S. C.
July 10-Oct. 15, 1929, Ship RANGER, Combined operations near Lewes, Del.
Oct. 24, 1929-March 25, 1931, Launch WESTDAHL, Combined operations, Santa Barbara, Calif., and Alaska.
March 25, 1931-----, Ship SURVEYOR, Combined operations, Kodiak Island, Alaska.

OFFICE ASSIGNMENTS

Nov. 11-Dec. 19, 1927, Washington office.
Jan. 10-March 21, 1928, Washington office
March 1-July 9, 1929, Washington office.

10/8/31

CARL A (Alexander) EGNER
Commanding officer, ship NATOMA

Enl, June 15, 1914
Lieutenant, July 27, 1920.

Born, Mt. Morris, Ill., January 3, 1894; parents,
Charles W. and Annette (Patterson) Egner; education, BS in
CE Purdue University (1914) and CE at Purdue University (1920).

Assoc. Member, American Society of Civil Engineers.

FIELD ASSIGNMENTS

June 16-July 2, 1914, Wire drag party (N. H. Heck), Portland,
Maine.
July 5, 1914-March 18, 1916, Junior officer ship BACHE, At-
lantic coast.
April-Nov., 1916, Wire drag party (J. A. Daniels), Southeast
Alaska.
Jan., 1917-March, 1919, Junior officer ship ROMBLON, Philip-
pine Islands.
June, 1919-June, 1920, Geodesy, precise levels, Pacific coast
(Oregon-California).
1920-1921, Geodesy, Precise levels and traverse, Illinois and
Wisconsin.
Feb.-Dec., 1922, Executive officer, Ship WENONAH, Southeast
Alaska.
Jan.-June, 1923, Executive officer, Ship FATHOMER, Philippine
Islands, Sulu Archipelago.
June-Dec., 1923, Commanding officer, Ship MARINDUQUE, Philip-
pine Islands, Sulu Archipelago.
Jan.-Nov., 1924, Executive officer, Ship PATHFINDER, Philip-
pine Islands, Mindanao, North Luzon.
March, 1925-Feb., 1927, Executive officer, Ship BACHE, South-
east Atlantic coast and Gulf.
Feb., 1927-Feb., 1928, Executive officer, Ship EXPLORER,
Southeast Alaska.
Feb., 1928-Nov., 1929, Executive officer, Ship SURVEYOR,
Southwest Alaska.
Dec., 1929-----, Commanding officer, Ship NATOMA, Atlantic
coast.

OFFICE ASSIGNMENTS

1920-1921, Winters

10/8/31

ERNEST W(erner) EICKELBERG

Assistant chief, division of terrestrial magnetism and seismology (from August 14, 1931).

Eod, June 20, 1913

Lieutenant-Commander, July 1, 1930

Born, Haskins, Ohio, March 25, 1890; parents, Hugo and Selma Eickelberg; married, Mary Louise Stover; education, Baltimore Polytechnic Institute (1910) and CE, Cornell University (1913).

Assoc. Member, American Society of Civil Engineers; Philosophical Society of Washington.

Joint author with Hugh C. Mitchell of California-Oregon Arc of Precise Triangulation.

FIELD ASSIGNMENTS

- 1913-1914, Wire drag surveys and launch hydrography, Maine, Massachusetts and Florida.
- 1915-1916, Wire drag surveys in Alaska, and second-order triangulation in Maryland.
- 1917, Third-order triangulation in California, and first-order triangulation in Alaska.
- 1918-1919, First Lieutenant, U. S. Army, Coast Artillery (Sept., 1917); attended training camp at Fortress Monroe; assigned second in command of Army Mine Planter WM. M. GRAHAM; promoted to Captain and placed in command of WM. M. GRAHAM in 1918; returned to Survey work June, 1919.
- 1919, last half, Gravity observations, six months, including standardization tests on invar pendulums.
- 1920, first-order triangulation, northern California and Oregon.
- 1921, First-order triangulation, Puget Sound, Wash.
- 1922-1924, Philippine Islands: in charge Computing Division for 8 months; Executive officer, Ship PATHFINDER for 16 months.
- 1925, Executive officer, Ship LYDONIA
- 1926, Executive officer, Ship SURVEYOR in Alaska and installed first Fathometer ever used in actual survey work. Later in year made another successful installation of a Fathometer on the Ship DISCOVERER.
- 1927, Assisted Dr. H. G. Dorsey installations Fathometers on Ships GUIDE and PIONEER.
- 1928, Executive officer, Ship LYDONIA until June; Commanding officer, Ship EXPLORER to end of year.
- 1929-1931, Commanding officer, Ship EXPLORER, Alaskan waters and Seattle.

OFFICE ASSIGNMENTS

- 1924, Chief, Computing Division, Manila, 8 months.
- Aug. 14, 1931---, Assistant Chief, Division of Terrestrial Magnetism and Seismology.

11/20/31

EDMUND P(ercy) ELLIS

Field records section, Division of Charts.

Eod, March 11, 1891.

Cartographic engineer, May 12, 1919

Born, Washington, D. C., March 30, 1870; parents, Thomas and Alice (Wilson) Ellis; married, Frances Kennedy (1897), and one son, Edmund K. and one daughter, Mrs. Catherine V. Conner; education, Baltimore City College and George Washington University.

Washington Society of Engineers; American Legion; Federal Specifications Board.

Author of various articles, including "Standard C. and G. S. Letters," "Elements of Chart Making" (collaboration), "Federal Specifications of Drafting Equipment" (collaboration), and "method of Plotting 3-Point Fixes Without Protractor" (collaboration).

FIELD ASSIGNMENTS

July, 1892-Feb., 1893, Ship BACHE, Boston Harbor, Mass.

Aug.-Sept., 1917, Ship BACHE, Hampton Roads, Va.

Sept. 25, 1917-March 7, 1919, United States Army Engineers.

OFFICE ASSIGNMENTS

March 11, 1891-Nov. 2, 1915, Cartographic section.

Nov. 2, 1915----, Field records section, Charts Division.

10/9/31

FRANK G(eorge) ENGLE

Chief, Section of Vessels and Equipment, Division of Hydrography and Topography.

Eod, February 23, 1907.
Commander, July 1, 1930.

Born, New York, N. Y., September 4, 1887; parents, John J. and Bridget Nash Engle; married, Katheryn Hood (died November 23, 1930); education, Manhattan College, New York, to middle of junior year in Civil Engineering.

Assoc. Member American Society of Civil Engineers; Assoc. Member United States Naval Institute; Washington Society of Engineers; Federal Club, Washington, D. C.

FIELD ASSIGNMENTS

(Dates not given)

Wire drag, Atlantic coast, 1 year.

Junior officer, Ships TAKU, GEDNEY, ENDEAVOR, and PATHFINDER, Atlantic coast, Pacific coast, and Philippine Islands, 1 year each.

Executive officer, Ships McARTHUR, BACHE, BIS, and SURVEYOR, Atlantic coast 2 years, Pacific coast 1 year.

Commanding officer, Ships RESEARCH and (old) HYDROGRAPHER, BACHE (Naval service), NATOMA, PATHFINDER, LYDONIA, and DISCOVERER, Atlantic coast 3 years, Pacific coast 5½ years, and Philippine Islands 4 years.

OFFICE ASSIGNMENTS

Inspector, New York field station, 1 year

Chief, Section of Vessels and Equipment, Division of Hydrography and Topography, 2 years

1/21/32

RAYMOND P(ugh) EYMAN
Ship MARINDUQUE, Philippine waters

Eod, June 22, 1914.

Lieutenant-Commander, July 1, 1930.

Born, Columbus, Ohio, March 26, 1892; parents, Edward C. and Ada H. (Pugh) Eyman; married, Susie S. Ziegler; education, CE at Ohio State University, Columbus.

Signi Xi, Society of American Military Engineers, Army and Navy Club at Manila.

FIELD ASSIGNMENTS

June 23-July 2, 1914, Wire drag, Portland, Me.
July 6, 1914-Nov. 25, 1915, schooner MATCHLESS
March 12-Nov. 29, 1916, Steamer EXPLORER
Jan. 2, 1917-Feb. 16, 1920, Ship FATHOMER
May 18-June 5, 1920, ship BACHE
June 15, 1920-March 22, 1921, Motor vessel NATOMA
April 7, 1921-Jan. 3, 1925, Ship LYDONIA
Jan. 9, 1925-May 19, 1928, Ship HYDROGRAPHER.
June 16-Oct. 31, 1928, Shore party, Gloucester, Mass.
June 3, 1929-Jan. 7, 1930, Ship PIONEER.
April 1, 1931--- Ship MARINDUQUE.

OFFICE ASSIGNMENTS

Nov. 30, 1915-March 2, 1916; May 15-17, 1920, Washington office
March 23-April 5, 1921, San Francisco field station.
May 24-June 14, 1928; Nov. 5, 1928-May 18, 1929, Washington office.
Jan. 20, 1930-March 6, 1931, Seattle field station.

10/29/51

ROBERT LEE FARIS
Assistant Director

Eod, May 12, 1891
Captain, July 1, 1917.

Born, Caruthersville, Missouri, January 13, 1868;
parents, James White and Willie Ann (Stovall) Faris; mar-
ried, Carrie Elizabeth Hellen (1897); education, public
schools, OE University of Missouri 1890, special course in
mathematics Columbia (now George Washington University).

Committee on Navigation and Nautical Instruments of Na-
tional Research Council; Member Mississippi River Commis-
sion; Member Federal Board on Surveys and Maps; Fellow
American Association for the Advancement of Science; Member
Philosophical Society of Washington; Member Washington
Society of Engineers; Member Washington Academy of Sciences;
Member International Association of Navigation Congresses;
Member American Society of Civil Engineers; Member Society
of American Military Engineers; Member American Geological
Union; Member Geological Society of Washington; Member
American Astronomical Society; Member Traveler's Club;
Member Cosmos Club, Washington, D. C.

Author of various articles and publications, including
the following: Results of Magnetic Observations made by the
U. S. Coast and Geodetic Survey, Fiscal year 1907; same for
fiscal years 1908, 1909, 1910, and 1911; Distribution of the
Magnetic Declination in Alaska and Adjacent Regions for 1910,
with Isogonic Chart of Alaska; Results of Magnetic Observa-
tions made by the U. S. Coast and Geodetic Survey in 1911 and
1912; Magnetic Declination in the United States for 1910,
with Isogonic Chart; Magnetic Observations in the United
States for 1913; The Peculiar Magnetic Disturbance of Decem-
ber 28-31, 1908; On Time Scalings of Magnetograms; A New
Type of Compass Declinometer; On the Moment of Inertia of
Long Magnet H^{26} at Cheltenham Observatory; On Precursors of
Magnetic Storms; Time of Abruptly Beginning Magnetic Distur-
bances; Establishment of the Tucson Magnetic Observatory;
Record of Lightning Stroke at Cheltenham Magnetic Observatory;
Magnetic Observations at Cheltenham Observatory.

FIELD ASSIGNMENTS

1891, Survey of the Missouri River.
Assisted in survey of Yukon Delta and North Coast of Behring
Sea, Alaska;
Commanded various vessels of Coast and Geodetic Survey at
Porto Rico and Atlantic coast.

OFFICE ASSIGNMENTS

Sept., 1906-Nov., 1914, Inspector of magnetic work and chief
of Division of Terrestrial Magnetism.
Nov., 1914-March, 1915, Assistant Inspector of Hydrography
and Topography.
March, 1915-----, Assistant Director.

10/24/31

HENRY E(dward) FINNEGAN

Chief of Wire Drag Party, Long Island Sound.

Eod, September 1, 1921.

Lieutenant, July 3, 1930.

Born, Saranac Lake, N. Y., November 26, 1898; parents, Henry H. and Margaret Lawless Finnegan; education, Saranac Lake high school and BS in CE Clarkson College 1921.

Coauthor of "Tides and Currents, Chesapeake Bay.

FIELD ASSIGNMENTS

March, 1922-March, 1925, Junior officer ship SURVEYOR, combined operations southeast Alaska.

April, 1925-June, 1927, Navigating officer ship RANGER, wire drag and hydrography in Virgin Islands and Porto Rico.

July-Sept., 1927, Junior officer, tide and current survey, Chesapeake Bay.

May-Nov., 1928, Junior officer, shore party, deep wire drag at Portsmouth, N. H.; chief of shore party, combined operations, Newburyport, Mass.; Junior officer, shore party, combined operations, Edgartown, Mass., and Gardineer's Bay, N. Y.

June-Oct., 1929, Chief of party, tide and current, Long Island Sound and Hudson River.

Dec., 1929-Jan., 1930, Chief of shore party, Norfolk, Va.

June-Nov., 1930, Junior officer, wire drag, Long Island Sound.

April, 1930-----, Chief of wire drag party, Long Island Sound.

OFFICE ASSIGNMENTS

Sept., 1921-April, 1922, Instruction as deck officer, Washington

Oct., 1927-May, 1928, Tide and current publication, Chesapeake Bay; experimental work, floats for deep wire drag; preparation of equipment for deep wire drag.

Dec., 1928-May, 1929, Smooth hydrographic sheet, Gardineer's Bay, N. Y.; tide and current publication, Chesapeake Bay; preparation for tide and current survey, Long Island Sound, including repairs to launches.

Nov., 1929, Reports and records, tide and current survey, Long Island Sound.

10/16/31

GILBERT R(oland) FISH

First-order triangulation work.

Eod, June 13, 1927.

Lieutenant (j. g.), July 3, 1930.

Born, Winside, Nebraska, March 29, 1904; parents, R. E. and Kathryn M. Fish; married, Beatrice J. Foster; education, BS in CE University of Nebraska, 1927.

Sigma Tau, Sigma Xi, Math Club, Acacia Fraternity, Mason, Blue Lodge.

FIELD ASSIGNMENTS

June 13-Sept. 5, 1927, Training section.

Sept. 10, 1927-Jan. 15, 1928, Ship LYDONIA, North Carolina and Florida.

Feb. 7, 1928-May 6, 1929, Ship DISCOVERER, California, ship duty and topography.

May 7-Oct. 26, 1929, With party of R. D. Horne, topography on Washington coast.

Nov. 22, 1929-April 1, 1930, Ship PIONEER, office work.

April 1-July 12, 1930, With party of J. H. Brittain, second-order triangulation, California coast.

July 19, 1931-May 25, 1931, With party of P. A. Smith, first-order triangulation.

May 28, 1931--- On levels.

OFFICE ASSIGNMENTS

None

10/21/31

GEORGE L(ewis) FLOWER

Chief of Cartographic Section, Division of Charts.

Eod, October 4, 1895

Cartographic engineer, March 12, 1904.

Born, Detroit, Mich., May 13, 1868; parents, Thomas and Maria E. (Kunze) Flower; married, Isabella Harrison (deceased); education BS in ME, Michigan State College.

Washington Society of Engineers.

FIELD ASSIGNMENTS

July 22, 1896, Assistant (field force)

1897, With W. W. Duffield, surveys of Pribilof Islands, Alaska.

1898-1899, Surveys, Chesapeake Bay, with parties of H. L.

Marinden and P. A. Welker; surveys of St. Simons Sound, Ga., and Lake Pontchartrain, La.

1899, With party of G. R. Putnam, surveys of Yukon River Delta.

1900, With party of P. A. Welker, triangulation, Chesapeake Bay.

1900-1901, Chief of party, commanding schooner MATCHLESS, surveys south and west coasts of Porto Rico

1901-1904, Surveys of Chesapeake Bay.

OFFICE ASSIGNMENTS

1895-1896, Confidential clerk to Superintendent.

July 22, 1896-Spring of 1897, Drawing and engraving division.

March, 1904, Chief of drawing section.

July 14, 1904---- Chief of drafting section (later called cartographic section). Was also assistant chief of chart division Oct., 1915-May, 1920.

11/11/31

HENRY O(ctave) FORTIN
Junior officer, Ship EXPLORER

Eod, July 26, 1926
Lieutenant (j. g.), July 3, 1930.

Born, Eureka, Montana, July 30, 1900; parents, "Mr. and Mrs. O. Fortin;" married, Lella Gladys Riddell; education, high school and college (neither given by name).

Omega Beta fraternity.

FIELD ASSIGNMENTS

July 26-Nov. 15, 1926, precise levels (region not mentioned)
Jan. 25-April 6, 1927, Ship MIKAWA
July 1, 1927-April 15, 1928, precise levels
July 1, 1928-April 1, 1929, precise levels
March 25, 1930---- Hydrography and topography.

OFFICE ASSIGNMENTS

Nov. 15, 1926-Jan. 25, 1927, Washington office
April 6-July 1, 1927, Washington office.
April 15-July 1, 1928, Washington office.
April 1-May 15, 1929, Washington office.
Aug. 17, 1929-March 25, 1930, SeattleField Station.

12/10/31

F(ancis) L(awrence) GALLEN

Chief of party, triangulation, 42nd Parallel--Gulf Coast

Eod, August 14, 1917

Lieutenant, May 23, 1923.

Born, Somerville, Mass., June 19, 1895; Parents, Hugh and Mary (McGovern) Gallen; married, Mary V. Chevrier, April 4, 1922, children Mary L., John F., and Lawrence C.; education, BS at Tufts College Engineering School, Medford, Mass.

Author of short newspaper articles on triangulation observing parties.

FIELD ASSIGNMENTS

(Dates not given)

Junior officer, schooner MATCHLESS, North Carolina waters.

Junior officer and executive officer, wire drag parties, New England waters.

Junior officer, ship LYDONIA, Pacific coast and Alaska.

Junior officer, ship EXPLORER, Alaska.

Executive officer, ships PATHFINDER and FATHOMER, Philippines.

Executive officer, ship GUIDE, Pacific coast and Hawaiian Islands.

Chief of party, first-order triangulation, 42nd Parallel and Gulf coast.

OFFICE ASSIGNMENTS

Inspector, New Orleans field station (April, 1926-May, 1927).

12/1/31

HENRY STANLEY GAMBLE

Senior cartographic engineer, cartographic section, division of charts.

Eod, October 12, 1903.

Senior cartographic engineer, July 1, 1923.

Born, October 16, 1877, Philadelphia, Pa.; parents, William Harry and Mary Louise Gamble; married, Daisy A. Callan, June 29, 1904; education, public, Central High, Drexel Institute, and School of Industrial Art, all in Philadelphia, Pa.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

Draftsman, July 1, 1904

Junior cartographic engineer, July 1, 1924

Senior cartographic engineer, July 1, 1923.

12/5/31

HARRY F(ranklin) GARBER
Ship DISCOVERER

Eod, November 15, 1927.
Lieutenant (j. g.), July 3, 1930.

Born, Washington, D. C., June 24, 1905; parents,
William F. and Ella S. Garber; married, Evelyn A. Messer-
smith; education, BS in CE, University of Maryland.

FIELD ASSIGNMENTS

Nov., 1927-Aug., 1928, Training section.
Aug., 1928-Feb., 1929, ship RANGER
Feb., 1929-April, 1931, ship SURVEYOR
April, 1931----, ship DISCOVERER

OFFICE ASSIGNMENTS

None

12/9/31

C(lement) L(einster) GARNER
Assistant Chief, Division of Geodesy.

Eod, July 1, 1907
Commander, July 1, 1930.

Born, Bogue, N. C., September 22, 1884; parents, Lemuel Allen and Alice Adeline (Bell) Garner; married, Mary Clark, children Mary Frances and Alice Elizabeth; education, BS in CE, North Carolina State College of Agriculture and Engineering, Raleigh, N. C.

American Society of Civil Engineers, Philosophical Society of Washington, Washington Society of Engineers, Monterey Peninsula Country Club (Calif).

Author of Precise Triangulation in Texas, Rio Grande Arc, and various short articles in magazines and newspapers.

FIELD ASSIGNMENTS

July, 1907-Oct., 1913, Various assignments as subordinate in wire drag surveys, hydrographic and topographic parties, and attached to vessels.

1910-1913, Philippine Islands.

Oct.-Nov., 1913, Chief of party engaged in surveys in cooperation with North Carolina State Fish Commission in laying down fishing limits in Albemarle and Pamlico Sounds as specified by the State Legislature.

office ASSIGNMENTS

Sept. 9, 1929-----, Assistant chief, Division of Geodesy.

1/9/32

CLARENCE A(11en) GEORGE

Ship MARINDUQUE, Philippine Islands

Eod, July 1, 1927.

Lieutenant (j. g.), July 3, 1930.

Born, Lexington, Ky., September 18, 1905; parents, E. S. and Eleanor L. George; married, Mary Patricia McCarty; education, BS in CE, University of Kentucky, 1927.

FIELD ASSIGNMENTS

Aug. 25-Dec. 17, 1927, Training section, Launch MIKAWA

Dec. 17, 1927-Aug. 15, 1928, Ship RANGER, Miami, Fla., and Cape May, N. J.

Sept. 4, 1928-Jan. 15, 1929, Magnetic observations, Virginia, North and South Carolina, Tennessee, and Georgia.

April 5, 1929-Feb. 7, 1931, Ship SURVEYOR, Kodiak Island, Alaska, and Seattle, Wash.

March 2, 1931-----, Ship MARINDUQUE, Philippines.

OFFICE ASSIGNMENTS

July 1-Aug. 25, 1927, Training section, various divisions.

Aug. 15-Sept. 4, 1928, and Feb. 2-April 1, 1929, Division of Terrestrial Magnetism and Seismology.

A(lfred) L(ewis) GIACOMINI
Flight checking airway maps.

Eod, November 8, 1900.
Lieutenant-Commander, July 1, 1930.

Born, Oakland, California, December 15, 1876; parents,
----- ; education, California Military Academy (1888-
1889), Durant Grammar School (1890), high school (1891-1893),
and PhD in 1899 at University of California.

FIELD ASSIGNMENTS

Nov. 8, 1900-April 3, 1903, Training, ship PATTERSON.
May 7, 1903-Dec. 9, 1905, Ship PATTERSON, combined operations.
Jan. 3-April 18, 1906, Ship BACHE.
April 26-Nov. 10, 1906, Ship PATTERSON.
Jan. 12-Oct. 31, 1907, Ship EXPLORER, Baltimore to Seattle.
Jan. 18-April 30, 1908, Ship MARINDUQUE.
March 20-August 15, 1908, Ship PATHFINDER.
Nov. 7, 1908-Feb. 14, 1911, Ship FATHOMER.
Nov. 29-Dec. 11, 1911, Ship EXPLORER.
Dec. 11, 1912-Dec. 28, 1915, Ship PATTERSON.
April 17-Nov. 19, 1917, Ship PATHFINDER.
Nov. 19, 1917-Feb. 25, 1919, Naval Service, World War, as
lieutenant. Served as executive officer on USS WILMING-
TON and on the TJIKENBANG (seized Dutch steamer).
April 7, 1927----, Flight checking of airway maps.

OFFICE ASSIGNMENTS

April 3-May 7, 1903; Dec. 15, 1905-Jan. 3, 1906, Washington
office, various duties.
Jan. 1, 1916-May 18, 1916, Coast Pilot work, Washington office.
Aug. 1, 1916-April 17, 1917, Coast Pilot work, Manila office.
March 1, 1919-May 18, 1920, Division of Charts.
May 18, 1920-April 1, 1924, Assistant Chief, Chart Division.
April 2-May 5, 1924, Inspector, New York Field Station.
May 6, 1924-April 6, 1927, Chief, Section of Field Records,
Division of Charts.

April

10/21/31

V(awter) M(orton) GIBBENS
Ship PIONEER

Eod, September 15, 1925
Lieutenant (j. g.), November 25, 1929.

Born, Fort Collins, Colo., December 6, 1899; parents,
"Mr. and Mrs. M. R. Gibbens;" married, Edwyna Llewella
McLeod; education, BS in civil and irrigation engineering,
Colorado Agriculture College.

FIELD ASSIGNMENTS

Nov. 1, 1925-Aug. 16, 1926, Ship LYDONIA
Aug. 29, 1926-March 31, 1930, Ship GUIDE
March 31, 1930----, Ship PIONEER

OFFICE ASSIGNMENTS

Sept. 15-Oct. 31, 1925, Washington office.

10/13/31

W(illiam) M(urel) GIBSON
Leveling party

Eod, September 2, 1924
Lieutenant (j. g.), December 27, 1926.

Born, Fort Collins, Colo., October 8, 1901; parents,
John H. and Florence Gibson; married, Margaret Darr; educa-
tion BS in CE (college not named).

FIELD ASSIGNMENTS

Sept., 1924-Oct., 1925, Ship LYDONIA
Oct., 1925-Dec., 1927, Philippine Islands.
May, 1928-Feb., 1931, Ship RANGER
April, 1931, Leveling party.

OFFICE ASSIGNMENTS

April, 1928, Division of charts
Feb.-March, 1931, Division of Geodesy

10/21/31

R(oss) A(rgus) GILMORE
Ship PIONEER

Eod, August 28, 1928
Lieutenant (j. g.), July 16, 1930.

Born, Quincy, Mass., June 18, 1905; parents, John and Sarah J. Gilmore; BS in CE, Northeastern University, 1927.

Boston Society of Civil Engineers; Junior Hydrographic and Geodetic Engineers (July 16, 1930); "Senate" (Honorary Society of Northeastern University).

FIELD ASSIGNMENTS

Sept. 18, 1928-Jan. 7, 1929, Training section, MIKAWA
Jan. 13, 1929--- , Ship PIONEER

OFFICE ASSIGNMENTS

Aug. 28-Sept. 18, 1928, Division of hydrography and topography

12/20/31

FRANKLIN RICE GOSSETT

Ship MARINDUQUE, Philippine Islands

Eod, June 17, 1929.

Lieutenant (j. g.), July 5, 1930.

Born, Memphis, Tenn., December 2, 1905; parents, Elvus Robert and Anna Belle Rice Gossett; married, Josephine Davis; education, grammar and high schools, Memphis, BS in CE, University of Tennessee, Knoxville, 1927.

Junior Member, American Society Civil Engineers; Society American Mechanical Engineers; Phi Kappa Phi; Tau Beta Pi; Zeta Tau Lambda; Second Lieutenant, Reserves, Corps of Engineers, U. S. Army (1927); Army and Navy Club, Manila (1929).

Editor of "Tennessee Engineer," 1926-1927.

FIELD ASSIGNMENTS

June-Aug., 1927, Training section, MIKAWA, Chesapeake Bay.

Sept., 1927-Jan., 1928, Ship LYDONIA, Combined operations, North Carolina and Florida.

Jan., 1928-Feb., 1929, Ship SURVEYOR, combined operations, Alaska.

Feb., 1929-----, Ship MARINDUQUE, Philippine Islands.

OFFICE ASSIGNMENTS

None

11/2/31

L(yman) D(avis) GRAHAM
Commanding officer, WESTDAHL

Ecd, June 15, 1915
Lieutenant, July 27, 1920.

Born, Colebrook, N. H., September 8, 1890; parents, Elwin D. and Silvia K. Grham; married, Anna Leech; education, BS in CE, Pennsylvania State College.

American Society of Civil Engineers; American Association for the Advancement of Science; Society of American Military Engineers; American Legion.

FIELD ASSIGNMENTS

June, 1915-Jan., 1916, steamer BACHE
April-Sept., 1917, Wire drag, Maine.
Sept., 1917-Feb., 1919, United States Navy, rank of Lieutenant
April, 1919-Oct., 1920, ship RANGER
Feb., 1921-Feb., 1923, Executive officer, ship PATFINDER
Feb., 1923-June, 1923, Executive officer, ship MARINDUQUE
Nov., 1923-June, 1925, in charge Launch ELSIE
Oct., 1925-Jan., 1926, in charge topographic survey of Camden, N. J.
March, 1926-Dec., 1927, Executive officer, ship LYDONIA
Jan.-March, 1928, Executive officer, ship PIONEER
March, 1928-Oct., 1929, Executive officer, ship DISCOVERER
Oct., 1929-----, Commanding WESTDAHL

OFFICE ASSIGNMENTS

Jan., 1916-April, 1917, Washington office.
Feb.-March, 1919, Washington office.
June-Oct., 1925, Washington office, completing field records.
Jan.-March, 1926, Washington office, completing field records.

10/23/31

CHARLES K(eith) GREEN

Executive officer, Ship PIONEER

Eod, April 29, 1916

Lieutenant, November 6, 1920.

Born, Los Angeles, Calif., March 20, 1892; parents, Henry Howard and Mary Keith Green; married, Ruth Livesey; education, post graduate surveying course at Los Angeles Polytechnic High School and 2 years civil engineering at Lealand Stanford University.

Associate Member American Society of Civil Engineers; Member Society of American Military Engineers; Member American Legion.

Author of "Physical Hydrography of Lake Erie," 1929, published by the Buffalo Museum of Science and the U. S. Bureau of Fisheries.

FIELD ASSIGNMENTS

May 2, 1916-Jan. 4, 1917, Deck officer, schooner MATCHLESS.
Jan. 9-Oct. 3, 1917, Ensign, steamer ISIS.
Oct. 4, 1917-June 11, 1918, Ensign, U. S. Naval Reserve, on steamer ISIS.
June 12-Aug. 7, 1918, Lieut. (j.g.), U. S. Naval Reserve, on steamer ISIS.
Aug. 7, 1918-Feb. 26, 1919, Lieut. (j.g.) U. S. Naval Reserve on duty Naval Observatory, Washington, D. C.
Feb. 26-March 11, 1919, Lieut., U. S. Naval Reserve, on duty Naval Observatory, Washington, D. C.
April 16-May 19, 1919, Shore party of E. B. Latham in Eureka, Calif.
July 7, 1919-March 1, 1920, Ensign, steamer MARINDUQUE, operating Mindinao.
March 1, 1919-Dec. 23, 1921, Lieut., steamer FATHOMER, operating in Mindinao and Palawan.
May 6-June 16, 1922, Hydrographic shore party, Willapa Bay, Wash.
June 24, 1922-Dec. 18, 1923, Ship SURVEYOR, Alaskan waters.
Feb. 24, 1924-Nov. 23, 1926, Executive officer, ship RANGER, in Virgin Islands. Four months chief of wire drag shore party in Virgin Islands.
March 17-Oct. 1, 1926, Chief of wire drag and combined operations party, San Francisco to Eureka.
March 8, 1927-March 11, 1928, Ship EXPLORER, Alaskan waters.
April 11-Dec. 23, 1928, Chief of wire drag party, for Navy, at Portsmouth and harbor surveys on New England coast.
May 2, 1929-Jan. 2, 1930, Special survey physical properties of Lake Erie, for U. S. Bureau of Fisheries.
March 8, 1930-----, Executive officer, ship PIONEER, Hawaii.

OFFICE ASSIGNMENTS

Short periods only for working up field records.

10/22/31

SAMUEL BARKER GRENELL

Wire drag work, Philippine Islands

Eod, June 19, 1924.

Lieutenant (j. g.), May 3, 1926

Born, Grenell Island Park, N. Y., November 14, 1900;
parents, George Edgar and Anna Coyer Grenell; married, Mary
Grace Galbraith; education, grammar and high school at East
Rochester, N. Y., BS in CE at Clarkson College of Technology,
1920-24.

FIELD ASSIGNMENTS

June, 1924-March, 1925, Ship LYDONIA

April, 1925-April, 1927, Ship PIONEER

May, 1927-Feb., 1929, Ship SURVEYOR

March, 1929-March, 1931, Ship MARINDUQUE

April, 1931--- , Wire drag work, Philippine Islands.

OFFICE ASSIGNMENTS

June 19-27, 1924, Division of Charts, Washington office.

10/16/31

JAMES M(adison) GRIFFIN
Disbursing Agent

July 1, 1896

Disbursing Agent, March 7, 1913

Born, Atlanta, Ga., August 26, 1870; parents, Robert J. and Fannie B. Griffin; married, Anna McInverney; education grammar and high schools.

FIELD ASSIGNMENTS

One season on Coast Pilot work

OFFICE ASSIGNMENTS

July 1, 1896-March 6, 1913, Clerk in Engraving Division and Division of Hydrography and Topography.

March 7, 1913--- , Disbursing Agent

Retired Oct 31, 1938

12/31/31

EOLINE R(ichmond) HAND

In Charge of San Juan Magnetic Observatory, Porto Rico.

Eod, August 15, 1906.

Lieutenant-Commander, July 1, 1930.

Born, Toledo, Ohio, October 17, 1881; parents, William D. and Cora E. Hand; married, Kathleen M. Kerr; education, grammar, high, and private schools.

FIELD ASSIGNMENTS

1906, Ship EXPLORER

1907, Ship FORNEY, topography, Virginia.

1908, Ship TAKU, Alaskan waters.

1909-1911, Philippine waters.

1912-1913, Hawaii, triangulation and topography.

1917, Alaska.

1917, Virgin Islands, triangulation and topography.

1922, Ship BACHE.

1923, Hawaii, triangulation and topography, United States Navy.

1924-1927, Hawaii, confidential survey, United States Army.

OFFICE ASSIGNMENTS

Limited periods in 1907, 1916, and 1923, Washington Office

July 6, 1923----, In Charge of San Juan Magnetic Observatory,
Porto Rico.

12/14/31

Francis Hathaway HARDY
Inspector, Seattle Field Station

Ed, July 2, 1904
Commander, June 4, 1929.

Born, Dover, N. H., February 15, 1881; parents, W. W. and E. B. Hardy; married, Helen P. O'Haver; education BS at Dartmouth, 1904.

American Society of Civil Engineers.

FIELD ASSIGNMENTS

1904-1905, Ship (old) HYDROGRAPHER, Coast pilot work.
1905-1907, Ship ROMBLON, Philippines.
1908-1909, Executive officer, ship EXPLORER, Alaska.
1910-1911, Executive officer, ship PATTERSON, Alaska.
1911-1913, Commanding officer, launch YUKON, western Alaska.
1914-1915, Commanding officer, ship GEDNEY, southeast Alaska.
1916, Commanding officer, ship EXPLORER, southeast Alaska.
1917, Commanding officer and Inspector of Construction, ship SURVEYOR.
Oct., 1917-March, 1919, Navy during World War, Executive officer Trop Transport MARTHA WASHINGTON.
April, 1919-Dec., 1920, Commanding officer, ship SURVEYOR; trip east to west coast and two seasons western Alaska.
1930, Commanding officer, ship SURVEYOR, western Alaska.

OFFICE ASSIGNMENTS

1904, Washington office, plotting Mason and Dixon line
1916, Division of Hydrography and Topography
Dec., 1920-April, 1926, Chief, Section of Field Work and first two years Assistant Chief, Division of Hydrography and Topography, Washington office.
1926-1929, Inspector, Seattle Field Station.
1931--- , Inspector Seattle Field Station.

10/7/31

HUGH H(arris) HARTLEY
Librarian.

Eod, November 29, 1927.
Librarian, November 29, 1927.

Born, Washington, D. C., October 14 1894; parents,
John Robert and Ella Virginia (Goings) Hartley; married,
Evalyn Irene Heflin, children Winifred, Helen, and Hugh, Jr.;
education, grammar and high school.

Second Lieutenant, Military Intelligence Reserve; Fed-
eral Club.

FIELD ASSIGNMENTS

None.

OFFICE ASSIGNMENTS

Librarian since appointment.

12/24/31

GEORGE HARTNELL

Magnetic observer, Cheltenham (md.) Observatory.

Ed, May, 1908.

Magnetic Observer, Cheltenham, August 31, 1911.

Born, Bergen, N. Y., March 20, 1871; parent, William Hartnell; married, Lillian A. Freeman; education, grammar and high schools and college work.

American Association for the Advancement of Science; American Mathematical Society; Mathematical Association of America; American Geophysical Union.

Author of various articles and publications, including the following: The Vertical Intensity Variometer; Horizontal Intensity Variometers; An Intensity Variometer Corrected for Temperature; Distribution Coefficients of Magnets; Test Deflections for Variometers and Magnetographs; and Variation of Horizontal Intensity Scale Value with Temperature.

FIELD ASSIGNMENTS

1908-1911, Magnetic observatory, Vieques, P. R.

Aug. 31, 1911----, Magnetic observatory, Cheltenham, Md.

OFFICE ASSIGNMENTS

None

11/10/31

J(ean) H(odgkins) HAWLEY

Director of Coast Surveys, Manila, P. I.

Eod, November 7, 1907.

Commander, July 1, 1930.

Born, Colton, N. Y., September 11, 1887; parents, Morris B. and Lucia P. (Hodgkins) Hawley; married, Fannie L. Hopkins, October 2, 1915; education, BS in CE, Clarkson College of Technology, Potsdam, N. Y., 1907.

American Society of Civil Engineers; Washington Society of Engineers; Army and Navy Club, Manila; Manila Polo Club.

Author of various articles and publications including: Construction and Operation of the Wire Drag; Construction and Operation of the Wire Drag and Sweep; Hydrographic Manual; etc. Radio Acoustic Position Finding; and Distances Between Ports.

FIELD ASSIGNMENTS

Jan., 1908-Sept., 1910, Junior officer, field parties, Atlantic coast.

Nov., 1910-Nov., 1913, Junior and executive officer, Ship ROMBLON, Philippine Islands.

July, 1914-1919, In charge wire drag parties, Atlantic coast.

1920, Commanding ship ONWARD, Atlantic coast.

1921-1923, Commanding ships WENONAH and EXPLORER, southeast Alaska.

Dec., 1923-March, 1924, Commanding officer, ship LYDONIA, Atlantic coast.

OFFICE ASSIGNMENTS

Sept., 1924-May, 1930, Chief, Coast Pilot Section and Chief, Engraving Section, Washington office.

July, 1930---, Director of Coast Surveys, Manila.

(Also various temporary assignments to Washington office between field seasons.)

10/16/31

DANIEL LYMAN HAZARD

Chief magnetician and chief of section of terrestrial magnetism.

Eod, October, 1892.

Chief magnetician and chief of section of terrestrial magnetism, Division of Terrestrial Magnetism and Seismology, August 14, 1931.

Born, Narragansett Pier, R. I., August 26, 1865; parents, Thomas George and Mary King (Brooks) Hazard; education, Brown University 1880-81 and AB at Harvard, 1885.

Fellow American Association for Advancement of Science; American Geographic Society; Member American Geophysical Union (Chairman, Section of T. M. and E, 1929-1932); Washington Academy of Sciences; Washington Society of Engineers; Philosophical Society of Washington (President, 1924); Seismological Society of America; Aercarctic; Cosmos Club; Federal Club; Harvard Club of Washington; Bannockburn Golf Club.

Author of various articles and publications including: Directions for Magnetic Measurements; The Earth's Magnetism; United States Magnetic Tables and Magnetic Charts, for 1925; Terrestrial Magnetism in the Twentieth Century (President's address, Philosophical Society); Papers presented at meetings of American Geophysical Union; Contributions to Journal of Terrestrial Magnetism; Article on Terrestrial Magnetism in America Year Book 1915-1919 and 1925-1931; and editor of many other publications of the U. S. Coast and Geodetic Survey on the subject of Terrestrial Magnetism, named in Official List of Publications.

FIELD ASSIGNMENTS

March-June, 1900, magnetic field work in South Carolina, Georgia, Florida, Alabama, Tennessee, and Kentucky.

Jan.-April, 1904, Inaugurating magnetic work on ships BACHE, BLAKE, and PATTERSON.

April-May, 1904, Magnetic field work in California.

OFFICE ASSIGNMENTS

1889, Nov., Recorder.

1892-1899, Computer in Division of Geodesy (triangulation, leveling, azimuth, longitude, base-lines, magnetism).

1899, Division of Terrestrial Magnetism.

1899-1925, Computer.

1925, Mathematician.

Oct., 1915-Jan., 1916, Assistant chief of division.

Feb., 1916-Aug., 1918, Chief of division.

Sept., 1918-Aug. 14, 1931, Assistant chief of division

Aug. 14, 1931-----, Chief magnetician and chief of section of terrestrial magnetism.

10/24/51

HENRY J(ames) HEALY
Ship GUIDE

Eod, July 13, 1925

Lieutenant (j. g.), February 8, 1929.

Born, Grand Forks, North Dakota, September 12, 1903;
parents, "Mr. and Mrs. Daniel Healy;" married, Florence
Isabelle Gravelle; education, Fargo High School, BS in CE at
North Dakota State College.

Delta Kappa Sigma, North Dakota State College.

FIELD ASSIGNMENTS

July-Dec., 1925, ship HYDROGRAPHER, Florida coast.

Feb., 1926-April, 1928, Ships PATHFINDER, FATHOMER, and
MARINDUQUE, Philippine Islands.

June-Sept., 1928, Launch RODGERS, Chesapeake Bay.

May, 1929-April, 1930, ship PIONEER, California coast.

April, 1930-----, Ship GUIDE, Washington coast.

OFFICE ASSIGNMENTS

Sept., 1928-April, 1929, Tides and currents division, Wash-
ington office.

11/20/31

EARL O(sear) HEATON

Navigation officer, ship PIONEER

Eod, August 2, 1918

Lieutenant, September 27, 1929.

Born, Potsdam, N. Y., June 8, 1896; parents, Charles F. and Ada N. Heaton; married, Catherine Thompson, September 4, 1931; education, Potsdam Normal High School, BS in CE Clarkson College of Technology, June 1918, CE at Clarkson College, 1925.

Member, American Society of Civil Engineers.

FIELD ASSIGNMENTS

- Aug.-Dec., 1918, In charge precise level subparty in North Carolina.
- Feb.-July, 1919, Chief of party, checking traverse measurements in southern States.
- Sept.-Oct., 1919, First-order traverse party (C. L. Garner) in Louisiana.
- Nov.-Dec., 1919, First-order triangulation party (C. L. Garner) in Oklahoma.
- May-Oct., 1920, In charge subparty first-order triangulation in California and Oregon.
- May-Nov., 1921, Chief of party, first-order triangulation in Oklahoma, Texas, and New Mexico.
- May-Nov., 1922, In charge subparty, first-order triangulation in Alaska.
- Dec., 1922-April, 1923, in party of C. L. Garner and later Chief of party, first-order measurement of Pasadena Base.
- May-Aug., 1923, Chief of party, first-order triangulation, Texas, Oklahoma, Boundary.
- Sept., Nov., 1923, Chief of party, reconnaissance 49th parallel.
- June-Nov., 1924, Chief of party, reconnaissance 49th parallel.
- April-Oct., 1925, Chief of party, geodetic survey of City of Rochester, N. Y.
- Jan.-July, 1926, Junior officer, ship LYDONIA.
- Aug., 1926-June, 1927, Chief of party, geodetic survey of Atlanta, Ga.
- July, 1927, Chief of party, triangulation for James River Bridge
- Aug.-Nov., 1927, Chief of party, reconnaissance for first-order triangulation, middle western States.
- May.-Nov., 1928, Chief of party, double observing and building party, first-order triangulation, middle western States.
- May, 1929-----, Navigating officer, ship PIONEER.

OFFICE ASSIGNMENTS

- Jan-Aug., 1919; Jan.-April, 1920, Division of Geodesy; Nov., 1920-April, 1921; Dec., 1921-April, 1922; Dec., 1923-May, 1924; Dec., 1924-March, 1925; Nov.-Dec., 1925; and Dec., 1927-April, 1928.
- Dec., 1928-April, 1929, Division of Hydrography and Topography.

10/9/31

N(icholas) H(unter) HECK

Chief, Division of Terrestrial Magnetism and Seismology.

Eod, June 17, 1904.

Captain, July 1, 1930.

Born, Heckton Mills, Pa., September 1, 1882; parents, John Lewis and Mary Frances (Hays) Heck; education, Misses Thompkinsons Private School, Harrisburg, Pa., and Lehigh University (AB in 1903 and CE in 1904).

American Association for the Advancement of Science; American Society of Civil Engineers; Seismological Society of America; Washington Academy of Sciences; Philosophical Society of Washington; Geological Society of Washington; American Geophysical Union; Federal Club; Cosmos Club; and three commissions of International Geodetic and Geophysical Union.

Author of various articles and publications, including Compensation of Magnetic Compass; Velocity of Sound in Sea Water; Earthquake History of the United States; Early Predictions on Wire Drag and on Radio Acoustic Position Finding; and numerous magazine articles in Scientific American, Scientific Monthly, Journal of the Franklin Institute, etc.

FIELD ASSIGNMENTS

1904-1905, steamer BLAKE

1905-1906, steamer EXPLORER

1906, wire drag party.

1907, Commanding officer, ship HYDROGRAPHER.

1908-1916, wire drag parties, New England, Florida, Porto Rico, and Panama.

1917, schooner MATCHLESS (in command)

1917-1919, Duty in Navy

1919-1920, Triangulation topography and search for sunken forest, Lake Washington.

1920-1921, steamer EXPLORER, southeast Alaska, combined operations, including precise triangulation and wire drag and sweep.

OFFICE ASSIGNMENTS

1915-1916, Washington office, between seasons and winters.

Dec., 1921-1925, Chief, Division of Terrestrial Magnetism.

1925-----, Chief, Division of Terrestrial Magnetism and Seismology.

12/9/31

HENRY WILLIAM HEMPLE

Assistant Chief, Division of Geodesy.

Eod, August 20, 1917.

Lieutenant, February 7, 1923.

Born, Grand Rapids, Mich., October 11, 1892; parents, Ernst A. and Emma C. Hemple; married, Margaret Isabel Dowling; education BS at Armour Institute of Technology, 1916.

Associate Member, American Society of Civil Engineers; Member, Society of American Military Engineers; Masons; Sojourners; Tau Beta Pi.

FIELD ASSIGNMENTS

Aug.-Nov., 1917, Wire drag, Narragansett Bay.
Feb.-April, 1918, Traverse, Georgia.
May-Nov., 1918, Wire drag, Passamaquoddy Bay, Me.
Feb., 1919-April, 1921, ships ROMBLON, MARINDUQUE, and PATH-FINDER, east coast of Palawan and in Mindanao.
April, 1922-Jan., 1925, ship DISCOVERER, California coast and southwest Alaska.
March-Oct., 1925, Base measurement and triangulation, southeast Alaska.
July-Aug., 1926, Traverse, Wisconsin.
Sept.-Nov., 1926, Triangulation, Iowa.
Dec., 1926-April, 1927, Triangulation, Gulf coast west of Mississippi River.
June-Nov., 1927, Triangulation, South Dakota and Minnesota.
July-Oct., 1928, Triangulation, eastern Kentucky.
July, 1929-Feb., 1930, Triangulation, Mississippi River, Cairo, Ill., to Gulf.
July-Oct., 1930, Triangulation, Nebraska and Iowa.
May-Aug., 1931, Triangulation, Mississippi River, Cairo to St. Paul.
Sept., 1931, Triangulation, Michigan.
April, 1923, Triangulation and reconnaissance, northern Calif.

OFFICE ASSIGNMENTS

Oct., 1922-March, 1923, Washington office, H. and T. division
Dec., 1925-June, 1926, Washington office, Geodetic division.
Dec., 1927-March, 1928, San Francisco Field Station.
Nov., 1928-June, 1929, Washington office, Geodetic division.
March-June, 1930, Washington office, Geodetic Division.
Nov., 1930-April, 1931, Washington office, Geodetic Survey.
October, 1931-----, Washington office, Geodetic Division.

11/4/31

ROLAND D(rew) HORNE
Ship HYDROGRAPHER

Eod, June 29, 1916.
Lieutenant, July 27, 1920.

Born, Worcester, Mass., March 14, 1895; parents, Thomas and Georgia (Drew) Horne; married, Millicent Wilder; education, Worcester grammar and high schools, and BS in CE at Worcester Polytechnic Institute.

Tau Beta Pi; First Lieut. U. S. C. A. R. C.; American Society of Civil Engineers; Mason.

FIELD ASSIGNMENTS

1916, Ship HYDROGRAPHER, wire drag.
1917-1918, Reserve Corps, Coast Artillery, World War.
1919, ships MATCHLESS, ONWARD, and BACHE.
1920, Ships BACHE and MIKAWA.
1921, Ship MIKAWA.
1922-1923, Ships MARINDUQUE, PATHFINDER, and FATHOMER
1924, Ship LYDONIA
1925-1926, Ship EXPLORER
1927-1928, Ship PIONEER
1929, Topography and triangulation, Olympia Peninsula.
1930, Ship OCEANOGRAPHER and topographic and hydrographic party, Panama City, Fla.
1931--- Ship HYDROGRAPHER

OFFICE ASSIGNMENTS

None

10/12/31

ALBERT J(ay) HOSKINSON
Chief of level party

Eod, May 9, 1931.
Lieutenant, July 16, 1930.

Born, Russel Springs, Kansas., June 6, 1895; parents,
Walter Herbert and Innes Bowie Hoskinson; education, BS in
CE at University of California.

Author of Tides and Currents in Portsmouth Harbor.

FIELD ASSIGNMENTS

1921-1922, ship EXPLORER
1923-1925, ship PIONEER
1926, Tide and current party of R. W. Woodworth
1927, Chief of tide and current party, Chesapeake Bay.
1928-1929, ship FATHOMER, Philippine waters.
1930-1931, Astronomic party of R. L. Pfau
1931, Chief of level party.

OFFICE ASSIGNMENTS

1926, winter, Washington office
1927, fall, Washington office.

12/12/31

LEONARD S(argent) HUBBARD
Ship LYDONIA, Atlantic coast

Eod, August 1, 1923.
Lieutenant, July 3, 1930.

Born, Glastonbury, Conn., May 22, 1896; parents, Arthur S. and Lila S. Hubbard; married, Ruth Russell; education, BS in CE at Tufts College, 1923.

Beta Kappa; American Legion.

Author of Distortion of Sheets and Adjustment of Traverses, June, 1930; Errors in Star Sights, Georges Bank, June, 1931.

FIELD ASSIGNMENTS

1923, Precise levels, New England.

1924, Survey of Baltimore harbor.

March 26, 1925-April 2, 1928, Ship DISCOVERER: western Alaska 1925, Hawaiian Islands 1926-1927, California 1928.

April, 1928-Feb. 24, 1930, Ship SURVEYOR, Western Alaska, 1928-1929.

March 30, 1930-----, Ship LYDONIA, Atlantic coast, Florida and Georges Bank.

OFFICE ASSIGNMENTS

Oct., 1923-March, 1924, Washington office

Sept., 1924-Feb., 1925, Washington office

March 21-26, 1930, Washington office.

11/14/31

KARL B(order) JEFFERS

Shore party, northern coast of California.

Eod, November 28, 1927.

Lieutenant (j. g.), July 3, 1930.

Born, Spring, Ohio, November 22, 1904; parents, Francis Austin and Nora Alice (Rowland) Jeffers; married, Harriet May Kennedy; education BS in CE, Ohio University.

FIELD ASSIGNMENTS

March-Aug., 1928, Training section.

Aug., 1928-March, 1929, Ship HYDROGRAPHER, Fort Meyers, Fla.

June-Oct., 1929, Current party, Long Island Sound.

Jan. 1, 1930-May 5, 1931, Ship OCEANOGRAPHER

May 16, 1931--- , Shore party, northern coast of California.

OFFICE ASSIGNMENTS

Nov. 28, 1927-March, 1928, Washington office, training section and Division of Tides and Currents.

March-June, 1929, Division of Hydrography and Topography.

Oct., 1929-Jan., 1930, Division of Tides and Currents.

1/15/32

FRANK G(erard) JOHNSON
Triangulation party in California.

Eod, August 18, 1924.
Lieutenant, (j. g.), May 3, 1926.

Born, Brookline, Mass., July 19, 1900; parents, John and Mary Johnson; married, Rebecca O'Farrell; education, grammar and Brookline high school, BS in CE at Tufts College.

FIELD ASSIGNMENTS

Sept.-Nov., 1924, Ship BACHE, Georgia coast.
Nov., 1924-June, 1925, Launch ELSIE, Lake Okeechobee, Fla.
June-Sept., 1925, Tides and currents, southeast Alaska.
Sept., 1925, Tides and currents, Puget Sound.
May, 1926-May, 1927, Ship BACHE, Tampa Bay and Gulf of Mexico.
May-Nov., 1927, Party of C. D. Meaney, vicinity of Long Beach, Long Island, N. Y.
July, 1928-May, 1930, Ship SURVEYOR, Kodiak Island, southwest Alaska. In charge launch HELIANTHUS, season of 1929.
May, 1930-March, 1931, Ship GUIDE, coast of Washington.
May, 1931---, Geodetic party of John Bowie, Jr., in Nevada, Oregon, and California.

OFFICE ASSIGNMENTS

Aug.-Sept., 1924, Washington office.
Jan.-May, 1926, Division of Tides and Currents.
Nov., 1927-June, 1928, Division of Hydrography and Topography.
Oct., 1925, Seattle field station (small survey of Willapa Bar, Washington).

10/30/31

LEONARD C(arl) JOHNSON

Shore party, northern California coast.

Eod, May 26, 1925.

Lieutenant (j. g.), June 5, 1928.

Born, Tewksbury, Mass., January 5, 1895; parents (deceased) Carl and Adelaide Johnson; married, Frances Mary Wilkie; education, Mt. Hermon Prep, and Syracuse University (1924).

Harmony Lodge, A. F. and A. M.; Valley Lodge, I. O. O. F.; Sigma Phi Epsilon; Tau Delta Sigma.

FIELD ASSIGNMENTS

June-Dec., 1925, Ship SURVEYOR, southeast Alaska.

Jan., 1926-April, 1928, Ship FATHOMER, Philippines.

June-Nov., 1928, Shore party, Gloucester, Mass.

May, 1929-April, 1930, Ship EXPLORER, southeast Alaska.

Feb. 8-13, 1931, Tide gauge installation, Santa Barbara, Calif.

May, 1930-----, Shore party, northern California coast.

OFFICE ASSIGNMENTS

May-June, 1925, Washington office.

Nov., 1928-April, 1929, Washington office.

Nov., 1930-May, 1931, San Francisco field station.

10/22/31

G(eorge) C(lay) JONES

Chief of party, Project No. 70, San Francisco Bay.

Eod, June 24, 1914.

Lieutenant, July 27, 1920.

Born, Brooks, Oregon, June 20, 1890; parents, Jesse B. and Julia (Bell) Jones; married, Bernice Corrie; education, BS in CE at Oregon State College, 1913.

Philosophical Society, 1925; Society of American Military Engineers, 1924; Sigma Tau, 1913; Phi Kappa Phi, 1927; F. and A. M., 1930.

FIELD ASSIGNMENTS

June-Oct., 1914, Wire drag, southeast Alaska.

Oct., 1914-Nov., 1915, Ship EXPLORER.

April-Nov., 1916, SHIP TAKU, Prince William Sound.

Dec., 1916-March, 1919, Ships FATHOMER and ROMBLON, Philippines

Nov., 1919-Feb., 1923, Ship EXPLORER, second officer and executive officer, southeast Alaska.

Feb.-Aug., 1923, Ship BACHE, executive officer, Gulf of Mexico.

Aug., 1923-Nov., 1924, Commanding ship HYDROGRAPHER, Gulf of Mexico.

April-Oct., 1925, Reconnaissance, Aleutian Islands.

Feb., 1926-Feb., 1927, Executive officer, Ship GUIDE, Pacific coast.

Feb., 1927-Feb., 1928, Commanding Ship NATOMA, Puget Sound.

April, 1928-March, 1930, Commanding Ship FATHOMER, Philippines.

Sept., 1930-----, Chief of party, Project No. 70, San Francisco Bay.

OFFICE ASSIGNMENTS

Dec., 1915-March, 1916; Nov., 1924-March, 1925; and Nov., 1925-Jan., 1926, Washington office.

April-Sept., 1930, traveling, on leave, and Washington office.

10/25/31

JAMES N(utty) JONES
Ship GUIDE

Eod, October 19, 1927.

Lieutenant (j. g.), July 3, 1930.

Born, Bristol, Tenn., August 19, 1905; parents, Charles M. and Nancy J. Jones; education, Virginia Military Institute.

FIELD ASSIGNMENTS

Dec., 1927-July, 1928, Launch MIKAWA, training section.

July, 1928-Jan., 1929, Ship NATOMA.

Jan.-March, 1929, Ship SURVEYOR.

March, 1929-March, 1930, Ship EXPLORER.

March-May, 1930, Ship GUIDE

May-Oct, 1930, Shore party, northern California coast.

March, 1931--- , Ship GUIDE

OFFICE ASSIGNMENTS

Oct.-Dec., 1927, Washington office

Nov., 1930-March, 1931, San Francisco field station.

10/22/31

H(enry) ARNOLD KARO
Ship DISCOVERER.

Eod, June 25, 1923.
Lieutenant, July 3, 1930.

Born, Lyons, Nebraska, December 24, 1903; parents, "Mr. and Mrs. P. A. Karo;" married, Ethel Leila Mitchell; education BS in CE at University of Nebraska.

American Society of Civil Engineers; Society of American Military Engineers; Sigma Xi; Sigma Tau.

FIELD ASSIGNMENTS

July 5-Dec. 15, 1923, Ship SURVEYOR.
Jan. 10, 1924-Feb. 27, 1926, Ship FATHOMER.
July 2, 1926-April 25, 1927, Ship BACHE.
April 26-June 5, 1927, Mississippi Flood Relief.
June 20-24, 1927, Party of O. W. Swainson in Texas.
July 22, 1927-Feb. 4, 1929, Ship PIONEER.
Feb. 5, 1929-April 28, 1930, Geodetic work.
April 29, 1930-March 11, 1931, Ship GUIDE
March 19, 1931--- , Ship DISCOVERER.

OFFICE ASSIGNMENTS

None

10/9/31

LOUIS P(eter) KEYSER

Chief, Photographic Section, Division of Charts.

Eod, February 12, 1887.

Chief photographer, October 5, 1920.

Born, Washington, D. C., October 24, 1869; parents Peter L. and Laura (Miller) Keyser; education, grammar and high school, Spencerian Business and Columbia College, all of Washington, D. C.

Masonic: Dawson Lodge FAAM #16, Mount Vernon Chapter #3, Orient Commandary #5, Almas Temple of the Mystic Shrine. Oldest Inhabitants.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

Photographic work throughout service.

10/8/31

E(mil) H(erman) KIRSCH
Ship HYDROGRAPHER

Eod, July 11, 1925.

Lieutenant (j. g.), June 5, 1928.

Born, Chamberlain, South Dakota, October 30, 1900;
parents, Herman P. and Antoinette (Simons) Kirsch; married,
Frances Marion Curington, July 18, 1931; education, grammar
and high school at Chamberlain, S. Dak., and BS in CE at
South Dakota State School of Mines.

Mason; Sigma Tau.

FIELD ASSIGNMENTS

July 21, 1925-Feb. 13, 1928, Ship SURVEYOR, combined operations
March 28, 1928-March 15, 1930, Ship PATHFINDER, combined op-
erations.

July 3-Dec., 1930, Wire drag party, Long Island Sound.

April 15, 1931---, Ship HYDROGRAPHER, third officer, Georges
Bank survey.

OFFICE ASSIGNMENTS

July 11-26, 1925, Washington office, training

Dec., 1930-April 2, 1931, Washington office, wire drag plotting.

11/25/31

ROBERT W(alker) KNOX
Ship SURVEYOR

Eod, June 21, 1923
Lieutenant, July 3, 1930.

Born, Seattle, Washington, October 29, 1897; parents, John M. and Edith (Gane) Knox; married, Esther Louise Hitchings; grammar and high schools, Anaconda, Montana, and BS in CE at University of Washington.

Associate member, Naval Institute; American Radio Raley League; F. A. A. M.; National Sojourners.

Author of Magnetic Declination in Texas in 1927;
Velocity of Sound in Sea Water, Coast of Northern California.

FIELD ASSIGNMENTS

July 5, 1923-March 24, 1925, Ship SURVEYOR, combined operations, southeast Alaska.
March 24, 1924-Aug. 2, 1926, Ship DISCOVERER, combined operations, southwest Alaska and Hawaiian Islands.
Aug. 14, 1923-March 24, 1930, Ship DISCOVERER, combined operations, northern California.
March 24, 1930---, Ship SURVEYOR, combined operations, southwest Alaska.

OFFICE ASSIGNMENTS

March 17, 1927-July 17, 1928, Washington office, Division of Terrestrial Magnetism and Seismology.

10/29/31

WALTER D(avis) LAMBERT

Senior mathematician, Division of Geodesy.

Entered in present service, July 1, 1911.

Full mathematician, May 15, 1919.

Born, West New Brighton (now Borough of Richmond, New York City), N. Y., January 12, 1879; parents, Walter (deceased) and Elizabeth (Bigelow) Davis Lambert; married, Bertha Brown of Westtown, Pa., 1917; education, Friends' Seminary, New York City, Harvard College 1896-1900, AB in 1900, magna cum laude and final honors in mathematics, Harvard University Graduate School AM 1901, University of Pennsylvania Harrison Fellow in Mathematics 1907-1908, and part time graduate student in mathematics and physics 1908-1911.

Originally appointed March 5, 1904, as computer in Tidal Division, resigning in 1907; temporary appointments as magnetic observer and tide observer while at University of Pennsylvania.

Phi Beta Kappa; Sigma Xi; Fellow American Association of the Advancement of Science; Member American Mathematical Society and Mathematical Association of America (ex-chairman of Md.-Va.-D. C. section); Member Philosophical Society of Washington (president, 1930); Member Washington Academy of Sciences (recording secretary 1924-1929, vice-president 1930); Member Deutsche Geophysikalische Gesellschaft; Member American Astronomical Society; Member American Geophysical Union (secretary section of geodesy 1924-1929, chairman section of geodesy 1929---); delegate Prague meeting (1927), International Geodetic and Geophysical Union; reporter to section of geodesy of the Union on Earth Tides (1924, 1927, and 1930); Member International Astronomical Union; Member Community League of Takoma Park, Md. (president 1928-1931); delegate to Montgomery County Civic Federation.

Author of various articles and publications, including the following: Physical Laws Underlying the Scale of a Sounding Tube; An Investigation of the Latitude of Ukiah, Calif., and of the Motion of the Pole; Effect of Variation in the Assumed Figure of the Earth on the Mapping of Large Area; article on "Geodesy" in Encyclopaedia Britannica; The Interpretation of Apparent Changes of Mean Latitude at the International Latitude Stations; The Figure of the Earth and the New International Ellipsoid of Reference; Bruns' Term and the Mathematical Expression for the Gravity Anomaly; An Approximate Rule for the Distance Between the Geoid and the Spheroid on the Assumption of Complete Isostatic Compensation of the Topography; The Form of the Geoid on the Hypothesis of Complete Isostatic Compensation; The Reduction of Observed Values of Gravity to Sea Level.

MEMO

Memo for "Who's Who in
the U.S. C + G. S."

It is true that I had no field assignments (except during World War I) while on full-time duty with the Survey. But while at the University of Pennsylvania, 1907-1911, I served for part of that period as Tide Observer at Philadelphia. Also one summer I was Magnetic Observer in the field, mainly in Wisconsin and Minnesota.

Can't specify exact dates.

Walter D. Lambert

MAY 19 1955

WALTER D(avis) LAMBERT-2

FIELD ASSIGNMENTS

None except during World War:

Sept. 24, 1917-May 15, 1919, First lieutenant of Engineers, with overseas service in Toul Sector and with Cement Mills Company No. 6 (Commanding officer Dec., 1918, until demobilization).

OFFICE ASSIGNMENTS

July 1, 1911-Sept. 23, 1917, Computer in Computing Division (now Division of Geodesy).

May 16, 1919, Mathematician, Division of Geodesy.

1/2/32

JOHN LASKOWSKI

Levels and triangulation work, Pacific states.

Eod, February 29, 1928.

Lieutenant (j. g.), July 16, 1930.

Born, Minot, North Dakota, November 29, 1904; parents, John K. and Katherine Laskowski; education, rural and city grammar schools, high school at Minot, N. Dak., and BS in CE at University of North Dakota.

Sigma Tau, 1925; American Society of Civil Engineers, 1927.

FIELD ASSIGNMENTS

Oct.-Dec., 1928, Ship NATOMA, east coast.

June-Sept., 1928, Training section.

1929, Ship DISCOVERER, combined operations northern California coast.

1930, Ship DISCOVERER, combined operations, Alaska.

1931, First-order levels and triangulation in Pacific states.

OFFICE ASSIGNMENTS

March-May and part of Sept., 1928, Training Section and Division of Charts, Washington office.

10/16/31

ECTOR B(rooks) LATHAM

Astronomic determinations and reconnaissance (where, not state

Eod, June 5, 1925.

Lieutenant (j. g.), May 21, 1927.

Born, Rocton, South Carolina, November 23, 1900;
parents, "Mr. and Mrs. E. B. Latham;" married, Grace Roberts;
education, BS in CS (college or year not supplied).

FIELD ASSIGNMENTS (Calendar year only supplied)

1925, Ship EXPLORER, combined operations, southeast Alaska.

1926, Ship SURVEYOR, combined operations, southeast Alaska.

1927, Ship HYDROGRAPHER, combined operations, Gulf coast of
Florida.

1928, First-order triangulation, Pennsylvania, Ohio, and Ken-
tucky.

1929, Third-order triangulation, Maryland-Virginia boundary.

1930, Astronomic determinations.

1931---- , Astronomic determinations and reconnaissance.

OFFICE ASSIGNMENTS

None

12/17/31

CURTIS LEFEVER

Chief of party, Geodesy

Eod, July 20, 1926.

Lieutenant (j. g.), July 3, 1930.

Born, Glasgo, Missouri, January 31, 1898; parents, J. C. and Pearl LeFever; married, Alice Geniesse; education, BS in CE and 16 hours towards a MS at University of Michigan.

FIELD ASSIGNMENTS

(Dates not given)

1 year, Junior officer, Ship (old) HYDROGRAPHER

1½ years, Junior officer, Ship PIONEER

1 year, Junior officer, Ship DISCOVERER

½ year, Geodetic work (kind and location not given).

1 year, Chief of party, Geodetic work (kind and location not given).

OFFICE ASSIGNMENTS

None

10/22/31

ERNEST B(ane) LEWEY

Shore party, northern coast of California.

Eod, June 20, 1927.

Lieutenant (j. g.), July 16, 1930.

Born, Eckman, West Virginia, December 15, 1904; parents, H. M. and Sally Ann Lewey; married, Margaret E. Kirkman; education, grammar and high schools, Pulaski, Va., and BS in CE at Virginia Polytechnic Institute, Blacksburg, Va.

American Society of Civil Engineers; Reserve commission as second lieutenant, Army Engineers;

FIELD ASSIGNMENTS

June-Sept., 1927, Launch MIKAWA, training section.

Oct.-Dec., 1927, Junior officer, Ship HYDROGRAPHER.

Jan., 1928-March, 1930, Junior officer, Ship GUIDE.

April, 1930-March, 1931, Junior officer, Ship SURVEYOR

April, 1931--- , Shore party, northern coast of California.

OFFICE ASSIGNMENTS

None

11/19/31

GEORGE W(illiam) LOVESEE
Ship SURVEYOR

Eod, January 15, 1927.
Lieutenant (j. g.), July 3, 1930.

Born, Peabody, Kansas, February 19, 1901; parents, A.
R. and Olive (Joyce) Lovesee; married, Doris M. Perry; edu-
cation grammar and high school in Fort Collins, Colorado; BS
in CE at Colorado Agriculture College.

FIELD ASSIGNMENTS

Jan.-March, 1927, Launch MIKAWA
July-Dec., 1927, Ship LYDONIA
Dec., 1927-April, 1930, Ship GUIDE
April, 1930-April, 1931, Ship DISCOVERER.
April, 1931--- , Ship SURVEYOR

OFFICE ASSIGNMENTS

March-June, 1927, Washington office.

10/15/31

ROBERT F(rancis) LUCE

Inspector in Charge, Boston Field Station.

Enl, July 28, 1906 (out of Service 8-23-09 to 7-15-10).
Commander, July 1, 1930.

Born, Melrose, Massachusetts, April 14, 1884; parents, Alonzo Augustus and Nellie Frances (Jackson) Luce; married, Edith Laurence Hutson of Charleston, S. C., November 30, 1915; education, Massachusetts Institute of Technology, Sheffield Scientific School, Yale University, PhD, 1910.

American Society of Civil Engineers; Yale Engineering Society; Society of American Military Engineers; Boston Yacht Club (honorary); Yale and MIT Alumni Associations.

Author of various articles and publications, including: Radio Acoustic Position Finding (co-author with T. J. Maher); Notes on Offshore Navigation; Boston Yacht Club Navigation class; series of 26 weekly newspaper articles entitled "Navigation for Small Boat Owner."

On steamer BACHE in 1914 inaugurated and perfected system of precise dead reckoning and buoy control in offshore surveys.

On steamer GUIDE, 1923-1925, inaugurated and perfected system of radio acoustic position finding; also made use of echo soundings in the service for the first time, and determined their accuracy on oceanographic cruise from Atlantic to Pacific coasts.

FIELD ASSIGNMENTS

- July 31, 1906-Jan. 3, 1909, Junior officer, ship BACHE, Atlantic coast.
- Jan. 4-July 31, 1909, Executive officer, ship BACHE, Atlantic coast.
- July 15-Nov. 11, 1910, Executive officer, ship BACHE, Atlantic coast.
- Jan. 25, 1911-Feb. 11, 1914, Commanding officer, ship ROMBLON Philippine Islands.
- June 1-25, 1914, Executive officer, Wire drag party, Atlantic
- July 6, 1914-Aug. 16, 1915, Commanding officer, ship BACHE,
- Aug. 16-Nov. 15, 1915, Commanding officer, ship ISIS, Atlantic coast.
- June 3-27, 1917, Commanding officer, ship MATCHLESS, Atlantic coast.
- July 28-Oct. 2, 1917, Commanding officer, ship MATCHLESS, Atlantic coast.

July 23, 1919-Jan. 15, 1920, ship ISIS, Commanding officer, Atlantic coast.
July 6-Dec. 28, 1920, Commanding officer, launch MIKAWA, Atlantic coast.
March 23-Oct. 8, 1921, Launch MIKAWA, Commanding officer, Atlantic coast.
Nov. 23, 1921-Feb. 24, 1923, Commanding officer, ship LYDONIA Pacific and Atlantic coasts.
Feb. 27, 1923-Feb. 10, 1925, Commanding officer, ship GUIDE, Atlantic and Pacific coasts.
Feb. 14, 1925-Jan. 11, 1928, Commanding officer, ship PIONEER Pacific coast.

WAR SERVICE

Transferred to Navy as Lieutenant, Senior Grade, Sept. 24, 1917.
Feb. 14, 1918, promoted to Lieutenant-Commander.
Feb. 27, 1919, Transferred back to Coast and Geodetic Survey.
Oct. 17-Nov. 3, 1917, Assigned to Washington, D. C., Navy Yard.
Nov. 7, 1917-Feb. 25, 1919, Attached to troop transport MADAWASKA
Nov. 7-13, 1917, Watch officer, Transport MADAWASKA
Nov. 14, 1917, Jan. 5, 1918, Assistant Navigator, Transport MADAWASKA
Jan. 6, 1918; Feb. 25, 1919, Navigator, Transport MADAWASKA

OFFICE ASSIGNMENTS

Dec. 27, 1915-June 2, 1917, Chief, Section of Tides and Currents.
June 30-July 26, 1917, Chief, Section of Tides and Currents.
March 19-July 19, 1919, Chief, Section of Tides and Currents.
March 3-July 5, 1920; Dec. 29, 1920-March 22, 1921, Washington office, general duties MIKAWA.
March 10, 1928---, Inspector in Charges, Boston Field Station.

10/9/31

RICHARD R(ussell) LUKENS
Chief, Coast Pilot Section.

Eod, July 10, 1908.
Lieutenant-Commander, July 16, 1929.

Born, Roann, Indiana, May 29, 1886; parents, Judson Jakob and Adelia S. Lukens; married, Maude Caroline Pilkington, 1919; education, grammar and high school and university, receiving BS in CE at Purdue University, 1908.

American Society of Civil Engineers; Society of Military Engineers; Washington Society of Engineers.

Author of numerous publications, including Atlantic Coast Pilot, Section A; Pacific Coast Pilot; second and third editions of Alaska Coast Pilot, Part II, and the author of many articles in magazines such as The Merchant Marine Bulletin, Military Engineer, American Motorist, and others: Charting the Waters of Alaska; Surveying the Philippine Islands; Captain John Smith's Map; Lets Go Yachting; and others.

FIELD SERVICE

1908-1913, Junior or executive officers on ships HYDROGRAPHER, MATCHLESS, YUKON, EXPLORER, BACHE, and PATTERSON.
1914-1917, Commanding officer, YUKON and ROMBLON.
Oct., 1917-March, 1919, in Naval Service during World War, as navigating officer of USS HELENA, executive officer of the USS TJISONDARI, and commanding officer of the USS POLAR BEAR.
1919-1924, Commanding officer, ships WENONAH, PATHFINDER, and PIONEER.
1925-1926, Coast pilot duty.
1927-1930, Commanding officer, ship SURVEYOR.

OFFICE ASSIGNMENTS

Parts of 1926 and 1926, Washington office, coast pilot revision.
May 13, 1930---, Chief of coast pilot section.

12/10/31

JOSEPH P(ercival) LUSHENE

Planning field work, Division of Geodesy, Washington office.

Ed., October 19, 1925.

Lieutenant (j. g.), July 3, 1930.

Born, Eveleth, Minnesota, May 13, 1903; parent, Catherine Lushene; education, BS in CE at University of Minnesota 1925.

Society of American Military Engineers; Philosophical Society of the Washington Academy of Sciences; Member of the International Expedition to the West Indies, Bahama Islands, 1930 and 1932.

FIELD ASSIGNMENTS

Dec. 3, 1925-June 1, 1927, Ship HYDROGRAPHER, west coast of Florida.

June 1-Sept. 1, 1927, Leveling, Virginia.

Sept. 1-Nov. 1, 1927, First-order traverse, Wright Field, Dayton, Ohio.

March-July, 1928, Astronomy and radio, U. S. Naval Observatory.

July-Nov., 1928, Astronomic work, Iowa, Minnesota, Wisconsin.

Jan.-July, 1929, Gravity work, Porto Rico, Santo Domingo, Haiti, and Cuba.

July, 1929-Jan., 1930, Astronomic work, Ohio, Michigan, Wisconsin, Illinois, Kentucky, Pennsylvania, and New York.

March-May, 1930, Gravity work, Bahama Islands.

June-July, 1930, Astronomic work, Missouri and Kansas.

July, 1930-Feb., 1931, Leveling in Wisconsin, Michigan, and Arkansas.

May-Aug., 1931, First-order triangulation, upper Mississippi River.

Aug., 1931, First-order base measurement, Illinois.

Sept.-Oct., 1931, Astronomic work, Wisconsin, Iowa, and Missouri.

OFFICE ASSIGNMENTS

Oct.-Dec., 1925, Washington office, training.

Nov., 1927-March, 1928; Nov., 1928-Jan., 1929; Jan.-March, 1930; Feb.-May, 1931; Oct., 1931----, Washington office, Division of Geodesy, completing field records and preparing for future field work.

12/31/31

THOMAS J(ames) MAHER

Inspector in Charge, San Francisco Field Station.

Eod, March 8, 1907.

Commander, July 16, 1929.

Born, New York, N. Y., June 10, 1883; parents, ;
married, ; education, New York public schools and
graduate of Cooper Institute, New York City, in 1904.

FIELD ASSIGNMENTS

April 8-30, 1907, ship McARTHUR, hydrography.
May 1-Oct. 12, 1907, ship GEDNEY, combined operations.
Nov. 29, 1907-April 10, 1909, ship GEDNEY.
April 11, 1909-March 30, 1910, ship McARTHUR.
May 1-Nov. 3, 1910, ship GEDNEY.
March 23, 1911-Dec. 17, 1912, ship EXPLORER.
May 3, 1913-Oct. 31, 1915, ship FATHOMER.
Nov. 1, 1915-Feb. 14, 1916, ship PATHFINDER.
June 22-Oct. 23, 1916, ship BACHE.
Oct. 23, 1916-Jan. 31, 1917, Chief of signal building party.
Feb. 19-Sept. 23, 1917, ship EXPLORER.
Sept. 24, 1917-April 1, 1919, War Service, Lieutenant; Com-
manding officer of EXPLORER until February 16, 1918;
inspector of navigational material at San Francisco.
April 18, 1919-Feb. 24, 1920, Commanding officer, SIALIA.
March 5, 1920-Jan. 4, 1921, Commanding officer, WENONAH.
Feb. 12, 1921-Feb. 26, 1924, Commanding officer, SURVEYOR,
combined operations, Washington, Oregon, and Alaska.
Jan. 1-March 22, 1928, Commanding officer, GUIDE, Washington,
California, and Hawaii.

OFFICE ASSIGNMENTS

March 8-April 2, 1907; Nov. 4, 1910-March 22, 1911, computa-
tions, Washington office.
May 6, 1924-Dec. 31, 1927, Assistant chief, Coast Pilot Sec-
tion, Washington office.
July 5, 1928--- , Inspector in Charge, San Francisco Field
Station.

12/10/31

SULLY BURBANK MAIZE

Cartographic engineer, Division of Charts.

Eod, November 14, 1898.

Cartographic engineer, July 1, 1928.

Born, Carlisle Barracks, Carlisle, Pennsylvania, March 19, 1870; parents, William R. and Fannie L. Maize; married, Bessie May Lyman; education, grammar and high school, part course at college, and home study.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

Continuously in Division of Charts.

12/31/31

WILLIAM FRANCIS MALNATE

First-order triangulation, Louisiana.

Eod, October, 1917

Lieutenant (j. g.), May 3, 1926.

Born, Quincy, Massachusetts, July 28, 1900; parents, Joseph and Caroline Malnate; married, Margeret Muriel Diment; education BS in CE, Northeastern University.

Military Engineers; Naval Institute.

FIELD ASSIGNMENTS

Oct.-Nov., 1917, Wire drag, Block Island Sound.
Dec., 1917-March, 1918, Combined operations, Miami, Fla.
April, 1918, Ship SURVEYOR, Atlantic coast.
May, 1918, Ship ISIS, Atlantic coast.
June, 1918-Aug., 1919, Ship ONWARD, Atlantic coast.
May-Oct., 1920, Launch MIKAWA, Atlantic coast.
July-Sept., 1924, Current observations, Delaware River and Bay.
Dec., 1924-June, 1925, Combined operations, Hawaii.
July, 1925-Dec., 1926, Ship GUIDE, Pacific coast.
Feb., 1927-April, 1929, Ship FATHOMER, Philippines.
Aug., 1929-Nov., 1930, Ship LYDONIA, Atlantic coast.
Jan.-Feb., 1931, First-order leveling, Arkansas.
March, 1931---, First-order triangulation, Louisiana, Texas, Montana, Wyoming, Utah, Colorado, New Mexico, and Oklahoma.

OFFICE ASSIGNMENTS

Oct.-Nov., 1924, Division of tides and currents.
July, 1929, Division of Hydrography and topography.
Dec., 1930, Division of geodesy.

10/30/31

GEORGE M(arion) MARCHAND
Ship SURVEYOR

Eod, July 16, 1925.

Lieutenant (j. g.), July 5, 1930.

Born, New Castle, Pennsylvania, September 29, 1901;
parents, Charles S. and Anna I. Marchand; married, Mildred
L. Remington; education, BS in CE, Colorado Agricultural
College.

Lambda Chi Alpha and Scabbard and Blade fraternities.

FIELD ASSIGNMENTS

July, 1925-Aug., 1926, Ship BACHE, combined operations, Nor-
folk, Va., and Tampa, Fla.

(Aug., 1926-Sept., 1928, Furlough on account of injury.)

Sept., 1928-May, 1929, Ship DISCOVERER, combined operations,
northern California.

May, 1929-April, 1930, Shore party of A. P. Ratti, northern
California.

April, 1930----, Ship SURVEYOR, combined operations, coast
of Kodiak Island, Alaska.

OFFICE ASSIGNMENTS

None

10/7/31

H(arry) A(aron) MARMER

Assistant chief, Division of Tides and Currents.

Eod, November 2, 1907.

Assistant chief, Division of Tides and Currents, July, 1920.

Born, Proskurof, Ukraine, June 21, 1885; parents, Isaac Baer and Rechoma (Segal) Marmer; married, Hazel Ellison Dakin, November 16, 1916, one son, Kalmon E., and one daughter, Nancy Jane; education, graduated Woodbine Agricultural School, Woodbine, N. J., BS in CE at Rutgers University 1907, and MS at Rutgers University 1931.

Fellow, American Association for the Advancement of Science; American Association of Civil Engineers; Association of American Geographers; Washington Academy of Sciences; American Geophysical Union (secretary, section of oceanography 1929-1932); Washington Philosophical Society (recording secretary, 1925-1926); Committee on Tides, International Geodetic and Geophysical Union; Committee on Shoreline Investigations, Atlantic and Gulf Coasts, National Research Council; contributing editor, Geographical Review; Cosmos Club; Federal Club.

Author of two privately printed publications, "The Tide," 1926, and "The Sea," 1930; also various articles and publications, including: Tides and Currents in New York Harbor, 1925; Coastal Currents along the Pacific Coast of the United States, 1926; Tidal Datum Planes, 1927; Chart Datums, 1930; The Gulf Stream.

FIELD ASSIGNMENTS

Temporary, covering inspection and location of tide and current stations, on the Atlantic, Gulf, and Pacific coasts.

OFFICE ASSIGNMENTS

Nov. 2, 1907-July, 1920, Tidal mathematician.

July, 1920----, Assistant chief, Division of Tides and Currents.

12/28/31

G(ilbert) C(arlton) MAST
Ship DISCOVERER

Eod, September 1, 1928.
Lieutenant (j. g.), July 2, 1931.

Born, Sugar Grove, North Carolina, January 6, 1903; pa-
rents, John J. and Mattie Mast; education BS in CE (college
not given).

Mason; Second lieutenant U. S. Engineer Reserve Corps.

FIELD ASSIGNMENTS

Sept. 18, 1928-Jan. 8, 1929, Training section, MIKAWA.
Jan. 8, 1929-April 1, 1930, Ship PIONEER.
April 1, 1930--- , Ship DISCOVERER.

OFFICE ASSIGNMENTS

Sept. 1-18, 1928, Washington office, training.

10/23/31

JOHN C(larence) MATHISSON
Ship GUIDE, Washington coast.

Eod, June 20, 1927.
Lieutenant (j. g.), July 3, 1930.

Born, Birmingham, Alabama, July 10, 1904; parents,
Charles W. and Lena W. Mathisson; married, Mary Myrtle
McGhee; education, BS at Alabama Polytechnic Institute, Au-
burn, Ala.

Tau Beta Pi, 1926; Phi Kappa Phi, 1927.

FIELD ASSIGNMENTS

June-Sept., 1927, Launch MIKAWA.
Sept., 1927-March, 1928, Ship RANGER, New Jersey and Florida.
March, 1928-Feb., 1930, Ship SURVEYOR, southwest Alaska.
Feb., 1930--- , Ship GUIDE, Washington coast.

OFFICE ASSIGNMENTS

None

2/1/32

G(eorge) C(arl) MATTISON

Commanding officer, Ship PATHFINDER, Philippine waters.

Eod, June 10, 1911.

Lieutenant-Commander, July 1, 1930.

Born, Minneapolis, Minnesota, July 29, 1888; parents, Axel E. and Mary Mattison; married, Kitty Eloise Bennett; education, grammar and high school at Minneapolis and University of Minnesota.

American Society of Civil Engineers; Manila Army and Navy Club; Sojourners.

Author of various articles including "Aerial Survey of the Mississippi Delta."

FIELD ASSIGNMENTS

(Dates not given.)

Wire drag, Maine and Panama.

Ship PATTERSON, Alaska and Hawaiian Islands

Ship GEDNEY, Alaska.

Ship FATHOMER, Philippine Islands.

Naval assignment: USS BROOKLYN

Commanding officer, ship HYDROGRAPHER at Key West, developing aerial survey methods, New Jersey and Louisiana.

Commanding officer, ship RANGER, West Indies and Atlantic coast.

Commanding officer, ship LYDONIA, Atlantic coast.

Commanding officer, ship PATHFINDER, Philippine waters.

OFFICE ASSIGNMENTS

(Dates not supplied.)

Study of aerial survey methods.

12/9/31

EDWARD R(ober) McARTHUR
Philippines (ship not named)

Eod, July 6, 1925.
Lieutenant (j. g.), November 4, 1927.

Born, Natick, Massachusetts, March 1, 1903; parents,
John M. and Elizabeth F. McCarthy; education, BS in CE at
Tufts College.

Boston Society of Civil Engineers; B. P. O. Elks.

FIELD ASSIGNMENTS

Ship LYDONIA, July-Nov., 1925.
Dec., 1925-Dec., 1927, Philippine waters.
March, 1928-Dec., 1929, ship LYDONIA.
March, 1930--- , Philippine waters.

OFFICE ASSIGNMENTS

Feb.; and Nov., 1928, Washington office

12/1/31

H(arold) E(dgar) McCOMB

Chief, section of observatories and equipment, Division
of Terrestrial Magnetism and Seismology

Eod, June, 1909.

Magnetic observer, Dec. 4, 1929.

Born, Wilsonville, Nebraska, November 25, 1886; parents,
James P. and Lola (Bradbury) McComb; married, Lucille Wight,
1925, two children, Robert Bradbury and Charles Wight; educa-
tion, grammar and high school at Wilsonville, and University
of Nebraska, BSc, 1907, MA, 1909.

Fellowship, Physics, University of Nebraska, 1907-1909;
Instructor of Physics, University of Nebraska, 1911-1914;
Philosophical Society of Washington, 1927; University of Ne-
braska Chemical Society (charter member); American Associa-
tion for Advancement of Science, 1929; Seismological Society
of America, 1919; Treasurer (1928---), Eastern Section,
Seismological Society of America; Sigma Xi, 1909; Lieuten-
ant (j. g.), U. S. Naval Reserve Force, 1918; Inspector, Nav-
igational Material, First Naval District at Boston, 1918-1919.

Author of various articles and publications, including:
Electric Double Refraction and Ordinary Dispersion in Liquids;
Electric Double Refraction in Liquids; An Investigation of
the Milne Shaw Seismograph; Distribution Coefficients of
Magnets; Tests of Temperature Compensation of Variometers at
Tucson Observatory; Induction Coefficients of Magnets; The
Magnetochronograph and Its Application to Magnetic Measure-
ments; Sensitivity of Magnetic Variometers; A new Method of
Making Time Marks on Magnetograms; Laboratory Manual in Me-
chanics and Heat; A Tilt Compensation Seismometer; Testing
Photographic Records.

FIELD ASSIGNMENTS

1918, In charge Tucson Magnetic Observatory.
1919-1927, In Charge of Honolulu Magnetic Observatory.
1928, Inspection of San Juan Magnetic Observatory.
1924, With H. H. Heck on development of Radio Acoustic Range
finding at San Diego, Calif.
1925-1926, Magnetic survey of Oahu, Hawaii.

OFFICE ASSIGNMENTS

1927-1929, Special investigations in magnetism and seismology.
Dec. 4, 1929--- , Chief, section of observatories and equip-
ment, Division of Terrestrial Magnetism and Seismology.

10/8/31

THOS. J(ereiah) McGRATH

Assistant chief, Printing section, Division of Charts.

Eod, March 16, 1908.

Lithographer, December 1, 1930.

Born, Washington, D. C., November 1, 1885; parents, Richard G. and Katherine C. McGrath; married, Ellen M. McKee; education, grammar schools, Washington, D. C.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

Entire time in printing section, Division of Charts.

12/17/31

JAMES WILLIAM McGUIRE

Cartographer, Cartographic section, Division of Charts.

Eod, January 28, 1901.

Cartographer, July 1, 1928.

Born, Nashville, Arkansas, November 4, 1866; parents, Dr. M. M. and Ellen L. (Scott) McGuire; married, Myrtle Belle McCall, August 17, 1897, one son, Mason Merlin, and one daughter, Mrs. Albert S. (Norma Aurea) Neilson; education, Dardanelle Seminary, Arkansas, private schools, much private study, read medicine under father's instruction and studied at Little Rock Medical College, Broomeville (prep.) Academy for West Point Military Academy.

Professor modern languages and higher mathematics, Dardanelle Seminary; registered pharmacist; Federal Employees' Union; Draftsmen's Union; Benjamin B. French Lodge #15, F. A. A. M.; Columbia Chapter #1, R. A. M.; Adoniram Council, R. and S. M.; Washington Commandery #1, K. T.; Albert Pike Consistory, A. A. S. R.; M. O. V. P. E. R. (author of Gompers Resolutions); Level Masonic Club; Scottish Rite Chess Club; Theosophical Society; charter member, Washington Civic Association; District of Columbia Federal of Citizens' Associations (delegate 1914-1916); Parkview Citizens' Association; Life member, American Red Cross; charter member, George Washington Post #1, American Legion; National Geographic Society; American Association for the Advancement of Science; member, United States Geographic Board; many church (Baptist) activities.

Commissioned Captain September 24, 1917, Engineer Reserve Officers' Corps; Chief cartographer and technical adviser, December, 1917, of commission of expert research specialists, directing preparation maps of Problem Areas of the World.

Author of miscellaneous articles and publications, including: Geographic Dictionary of the Virgin Islands; Colonial Tariff Policies (co-author); Graphic development of various map projections on the spherical assumption; Standard alphabets for lettering and engrossing; Manual of cartographic methods; Development and practice of cartography in the Coast and Geodetic Survey; Specifications of duties, qualifications, and salaries of cartographic engineers; History of hydrographic exploration in the Hawaiian Archipelago, 1778-1910; Etymological revision of Hawaiian nomenclature; Relation of Coast and Geodetic Survey to economic problems of the Pacific; Bibliography of books and maps elucidating shoreline changes in the middle States; The building of the islands and bays of the Texas coast; The Virgin Bank: Its

singular structure and the mode of its formation; Glossary of geographical terms in all languages; Russian Transliteration, without diacriticals: Alphabet and commentary; Rules of nomenclature, for field and office guidance; Bibliography of select sources for geographic names and other cartographic information; Geographical index of learned societies, institutions, officials, periodicals, etc.; Geographic dictionary of the Virgin Islands; The representation of submarine configuration; Brief history of the discovery and exploration of arctic Alaska and adjacent seas.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

Jan. 28, 1901-1923, topographic draftsman.

July 1, 1924, cartographer, cartographic section, Division of Charts.

12/16/31

EUGENE MEADS

Chief of Supply Section.

Eod, June 15, 1900.

Chief, Section of Supplies and Shipments, May 13, 1918.

Born, Washington, D. C., October 19, 1876; parents, Charles C. and Annie A. Meads; married, Martha M. Haynie; education, grammar and high school and George Washington University, Washington, D. C. Studies accountancy.

In Railway Mail Service, 1897-1900.

Masonic fraternity.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

1900-1918, Chief in office of Chief of Drawing and Engraving Section.

May 13, 1918--- , Chief, Section of Supplies and Shipments.

12/12/31

CORNELIUS D(aniel) MEANEY

Chief of party, Geodetic work, California.

Eod, April 25, 1918

Lieutenant, April 18, 1927.

Born, Marlboro, Massachusetts, October 26, 1896; parents, "Mr. and Mrs. Daniel J. Meaney;" married, Marion A. Meaney; education, Marlboro public schools and BS at Dartmouth College.

Thayer Society; American Society of Military Engineers.

FIELD ASSIGNMENTS

1918, Wire drag party, Block Island, R. I., and Stonington, Conn.

1919, Surveys in Florida.

1920, Alaska.

1921-1923, California coast

1924-1925, Philippine Islands.

1926-1928, Long Island, N. Y.

1929-1930, Ship SURVEYOR, Alaska.

1931--- , Geodetic work, California, Michigan, Virginia, and North Carolina.

OFFICE ASSIGNMENTS

None

10/13/31

HUGH C(hester) MITCHELL

Senior mathematician, section of triangulation, Division of Geodesy.

Eod, August 22, 1898.

Full mathematician, July 1, 1928.

Born, Jackson County, Texas, April 15, 1877; parents, Isaac Newton and Callista Amanda (Stapp) Mitchell; married, Agnes V. Marr, 1903, one daughter Mrs. Thomas T. (Helen Marr) Neill and one son, Hugh Chester, Jr.; education, CE, University of Notre Dame 1895, BS, University of Notre Dame 1898, and one year graduate student Catholic University of America at Washington, D. C.

Cosmos Club, 1913; Teacher of astronomy Catholic University of America, 1927--.

Author of various articles and publications, including: Triangulation along East Coast of Florida and on the Florida Keys; The California-Oregon Arc of Precise Triangulation (co-author with E. W. Eickelberg); The use of geodetic control for city surveys; Triangulation in Maryland, 1925; Triangulation in Hawaii, 1930; The geographic position of camp Jesup, and the reduction of the observations of R. E. Peary in the vicinity of the North Pole (co-author with C. R. Duvall); The topographic survey of Cincinnati; Topographic survey of a large city; Advantages of least-square adjustment of survey observations; Resuscitation of apparently dead cities; Accurate maps and the city plan; A suggestion for telemeter traverses; Errors of observation in surveying; The survey of Hawaii; Triangulation and land surveying; What time is it? Midnight and Fasting; Report on Byrd's expedition to the North Pole (co-author with H. G. Avers and A. H. Bumstead); Report on Byrd's expedition to the South Pole (co-author with H. G. Avers and A. H. Bumstead)

In 1912-1913 served as Engineer in Charge of the Topographic Survey of Cincinnati, producing a map of 48 sheets in four colors, for specific use in sewer design and building and for general city engineering and planning purposes

FIELD ASSIGNMENTS

1899, Ship ENDEAVOR, with C. C. Yates, survey in Chesapeake Bay; with O. B. French, survey of Lake Maurepas.
1900, With W. C. Hodgkins, ship BLAKE, survey Porto Rico to St. Thomas; with W. I. Vinal, ship CACHE, Chesapeake Bay.
1901-1903, Chief of party, astronomical determinations, Philippine Islands.

OFFICE ASSIGNMENTS

1903-1911, Computing Division.
(1912-1920, out of service, engaged in private practice.)

1921-1928, Computer, Division of Geodesy
July 1, 1928---, Mathematician,

10/15/31

ROLAND R(ober) MOORE

Ship SURVEYOR, south coast of Kodiak Island, Alaska.

Eod, August 2, 1917.

Lieutenant, June 16, 1923.

Born, West Somerville, Mass., September 25, 1896;
parents, Howard D. and Maud E. Moore; married, Gladys Hartz;
education, BS in CE at Tufts College.

Somerville Lodge F. A. A. M.; National Sojourners;
Heroes of 1776; Zeta Psi.

FIELD ASSIGNMENTS

Aug., 1917-March, 1919, Ship HYDROGRAPHER, Combined operations, Gulf coast, Chesapeake Bay, and Key West.
March-Nov., 1919, Ship SURVEYOR, triangulation, southwest Alaska.
June, 1920-July, 1923, Ship RANGER, offshore hydrography, Gulf coast and wire drag, east coast of Porto Rico.
July-Nov., 1923, Ship HYDROGRAPHER, Combined operations, Gulf coast.
Feb.-Dec., 1924, Ship SURVEYOR, combined operations, southeast Alaska.
Jan., 1925-Feb., 1927, combined operations Philippine Islands.
Aug.-Dec., 1927, Launch ELSIE, combined operations, North Carolina coast.
March, 1931---, Ship SURVEYOR, combined operations, south coast of Kodiak Island, Alaska.

OFFICE ASSIGNMENTS

Jan.-March, 1928, plotting field sheets of previous season.
March, 1928-Jan., 1929, preparation of design and specifications of ships HYDROGRAPHER and WESTDAHL.
Jan.-Dec., 1929, Inspector of construction, WESTDAHL
Jan.-Oct., 1930, Inspector of construction, GILBERT.

10/9/31

GEORGE EDWARD MORRIS, JR.

Division of Hydrography and Topography.

Eod. June 29, 1927.

Lieutenant (j. g.), July 3, 1930.

Born, Regina, Saskatchewan, April 5, 1906; parents, George Edward (Sr.) and Mavor Isabel (Scott) Morris; education BS in CE, University of Minnesota.

American Society of Civil Engineers; Society of American Military Engineers.

FIELD ASSIGNMENTS

Aug. 1927-Jan., 1928, Launch MIKAWA, training.

March, 1928-Feb., 1929, ship RANGER, combined operations.

April, 1929-March, 1930, ship FATHOMER, combined operations.

May-Aug., 1930, ship PATHFINDER, combined operations.

(Localities of combined operations not stated.)

OFFICE ASSIGNMENTS

June-Aug., 1927 (office not stated)

Dec., 1930----, Division of Hydrography and Topography, Washington office.

11/10/31

WILLIAM MUSSETTER

Measurement of Sturgis Base, Michigan.

Eod, July, 1922.

Geodetic Engineer, November, 1925.

Born, Wilmington, Ohio. November 25, 1896; parents, Joseph A. and Sarah Swope Mussetter; education, BS at Wilmington, Ohio, college and BS at Haverford, Pa., college.

Commissioned Second Lieutenant C. A. C., Regular Army, in 1918.

Author of short articles treating of field work.

FIELD ASSIGNMENTS

1923, Revision triangulation, Puget Sound.

1923, 111th Meridian and 49th Parallel, Mont.-Alta.

1923-1924, Maricopa-Yavapai County Boundary cooperative survey.

1924, International Boundary, Namakan to Basswood Lakes, Minnesota-Ontario.

1925, Revision, south San Francisco Bay.

1925, Earthquake revision, vicinity Ukiah, Calif.

1925, Needles-Utah arc of triangulation.

1925, Revision 39th Parallel, vicinity Reno, Nevada.

1925, Revision triangulation, Santa Barbara earthquake zone, and Santa Maria Base and Base Net, Calif.

1926, Reconnaissance, 36th Parallel arc, California-Nevada.

1926, Reconnaissance, Pittsburgh Arc, Virginia, Maryland, West Virginia, Pennsylvania, and Ohio.

1926, 36th Parallel arc triangulation, California-Nevada.

1927, Revision Pacific coast triangulation, San Pedro to Point Hueneme.

1927, triangulation, Pittsburgh arc.

1927-1928, Texas-Oklahoma (100th Meridian) boundary survey.

1928, Revision Gulf coast triangulation, Caminada Bay to Atchafalaya Bay, Louisiana.

1928, Ohio and Kentucky arcs of triangulation.

1929, Reconnaissance, Atlanta-Montgomery arc, lower Mississippi River Arc, Buffalo-Trenton arc, Iowa-Nebraska arc, Wisconsin arc, and Cairo-Belleville arc, triangulation.

1930, Reconnaissance, Cairo-Belleville arc, Cairo-Sikeston arc, Cairo-Nashville arc, and Gulf coast arc, Mobile to Corpus Christi.

1931, Reconnaissance, Shreveport-Forest arc, Mississippi River arc, St. Louis to St. Paul, Michigan arc, and Atlantic coast arc.

1931---, Signal building and measurement of Sturgis Base, Michigan.

OFFICE ASSIGNMENTS

None other than preparation for and making reports of field work.

10/8/31

FRED NATELLA

Ship HYDROGRAPHER, Georges Bank project.

Eod, October 16, 1928.

Lieutenant (j. g.), July 2, 1931.

Born Salerno, Italy, February 14, 1904; parents, Joseph and Carmela Natella; education, BS in CE, Armour Institute of Technology.

FIELD ASSIGNMENTS

Oct., 1928-June, 1929, Training section.

June-Oct., 1929, Tide and current party, Long Island Sound.

Dec., 1929-June, 1930, Shore party of B. H. Rigg, Florida west coast.

June-Nov., 1930, Wire drag party of B. H. Rigg, Long Island Sound.

May, 1931--- , Ship HYDROGRAPHER, Georges Bank project.

OFFICE ASSIGNMENTS

None, except temporary between assignments.

11/3/31

GEORGE A(lvin) NELSON

Ship DISCOVERER, southwest Alaska.

Eod, August 10, 1925

Lieutenant (j. g.), February 8, 1929.

Born, Litchfield, Minnesota, October 31, 1903; parents, Thomas and Mary Nelson; education, BS in CE, University of Minnesota.

American Society of Civil Engineers.

FIELD ASSIGNMENTS

1925-1926, Ship EXPLORER, southeast Alaska.

1927, Ship DISCOVERER, Honolulu and southern California.

1928, chartered launch ROGUE, coast of Oregon.

1929, ship PIONEER, coast of California.

1930----, ship DISCOVERER, southwest Alaska.

OFFICE ASSIGNMENTS

1929 (six months), San Francisco field station.

12/9/31

FRANK NEUMANN

Chief, section of Seismology, Division of Terrestrial Magnetism and Seismology.

Eod, March 11, 1911.

Mathematician, March, 1925.

Born, Baltimore, Md., February 11, 1892; parents, Conrad O. and Sophia Neumann; married, Pearl M. Power; education, grammar and high school and Baltimore Polytechnic Institute.

Washington Academy of Sciences; Washington Philosophical Society; Washington Society of Engineers; Seismological Society of America, including Eastern Section; Committee of National Research Council on "Physics of the Earth."

Author of various articles and publications, including: Computation of Tabular Quantities (Magnetics); Seismic Wave Velocities in North America; The Velocity of Seismic Surface Waves over Pacific paths (two papers); An analysis of the "S" wave; An analysis of Wood-Anderson seismograph constants; The West Texas earthquake of July 30, 1925; The Southern Appalachian earthquake of November 2, 1928; The need for seismologic observatories in the Aleutian Islands; Principles underlying the interpretation of seismograms; and also co-author with R. R. Bodle of fourteen quarterly Seismological Reports (1924-1927) and United States Earthquakes 1930.

FIELD ASSIGNMENTS

(Dates not supplied)

Magnetic field work in various parts of the United States for four years, as chief of party

Five years, Magnetic observatory work in Porto Rico and Hawaiian Islands, as chief of party.

1923 and 1927, Special temporary duty in Porto Rico.

OFFICE ASSIGNMENTS

(Dates not supplied)

Five years, magnetic computations and preparation of seismological reports, in Magnetic Division.

Six years, chief section of seismology.

12/17/31

HERMAN PAUL ODESSEY

Executive officer, Ship GUIDE, California and Washington.

Eod, August 3, 1917.

Lieutenant, November 8, 1923.

Born, Brooklyn, New York, August 10, 1898; parents, M. B. and Frances Odessey; married, Winifred Allen Cresswell on March 29, 1922 (died November 16, 1930); education, Brooklyn Boys' high school, and CE at Cornell University.

American Society of Civil Engineers; Cornell Society of Engineers.

FIELD ASSIGNMENTS

Aug., 1917-June, 1918, Junior officer, Ship HYDROGRAPHER, Gulf coast.

June, 1918-Sept., 1919, Junior officer, Ships MATCHLESS and ONWARD, Chesapeake Bay.

June-Oct., 1920, Junior officer, precise traverse, Wisconsin.

June-Nov., 1921, Junior officer, precise traverse, Wisconsin and Minnesota.

April-Sept., 1922, Chief of party, precise leveling, Wisconsin and Minnesota.

Sept.-Nov., 1922, Chief of party, precise leveling, New York, Connecticut, and Rhode Island.

Dec., 1922-Jan., 1923, Chief of party, beach traverse, North Carolina.

May-Nov., 1923, Chief of party, precise leveling, interior of Alaska.

April-June, 1924, Chief of party, triangulation, Puget Sound.

July-Oct., 1924, Chief of party, First-order traverse and triangulation, South Dakota.

Nov., 1924-March, 1925, Chief of party, First-order triangulation, Texas.

May-Dec., 1925, Chief of party, First-order triangulation, South Dakota, Wyoming, and Montana.

Feb.-March, 1927, Junior and Executive officer, Ship PIONEER, California and Oregon.

March-Nov., 1927, Chief of party, triangulation, California.

Feb., 1928-April, 1930, Junior and Executive officer, Ship DISCOVERER, California and Oregon.

April, 1930----, Junior and Executive officer, Ship GUIDE,

OFFICE ASSIGNMENTS

Only temporary, Washington office and field stations, between field assignments -- working on field records and preparing for field work.

10/12/31

H(arold) J(oseph) OLIVER

Chief of leveling party, Oregon.

Eod, June 27, 1927.

Lieutenant (j. g.), July 3, 1930.

Born, Henderson, Iowa, November 13, 1906; parents, Will and Grace Oliver; education, high school at Emerson, Iowa, Iowa State College in June, 1927, and work for Masters in Physics at George Washington University, Washington, D. C.

FIELD ASSIGNMENTS

Aug. 25-Nov. 25, 1927, Launch MIKAWA.

Dec. 1, 1927-April 1, 1928, Ship LYDONIA, Florida waters.

April-Sept., 1928, Currents, Chesapeake Bay.

April 1, 1929-March, 1930, Ship SURVEYOR, Alaska.

April-Dec., 1930, First and second-order triangulation, earthquake work in California.

April-June, 1931, Second-order triangulation, California coast.

June, 1931, Leveling, Winnemucca, Nevada.

July, 1931---, Chief of party, leveling, Oregon.

OFFICE ASSIGNMENTS

June 27-August 25, 1927, Washington office

Sept., 1928-March, 1929, Washington office

March, 1930, Seattle field station.

April, 1930, San Francisco field station.

Dec., 1930-March, 1931, San Francisco field station.

12/12/31

EDWIN H(erbert) PAGENHART
Chief, Division of Charts

Eod, May 23, 1904.
Captain, July 1, 1930.

Born Wessington Springs, South Dakota, March 21, 1884;
parents, Willian and Minnie (Hermsmeyer) Pagenhart; married,
Jessie Dea Harsha, children, Polly, Thomas H., and Emily Ann;
education, grammar and high school and 2½ years in engineer-
ing at University of Minnesota.

Washington Society of Engineers; American Society of
Engineers; Mason; Sojourners; Heroes of '76; Cosmos

Author of several feature articles for magazines.

FIELD ASSIGNMENTS

July 1, 1904-March 31, 1905, ship MATCHLESS
April 11, 1905-Oct. 31, 1906, Chief of party, precise levels.
Nov. 1, 1906-Jan. 11, 1907, Shore party, topography.
May 5, 1907-July 31, 1908, Junior officer, ship ROMBLON.
Aug. 1, 1908-May 19, 1910, Commanding officer, ship ROMBLON.
Aug. 25, 1910-Feb. 12, 1911, Chief of party, triangulation.
March 12-March 22, 1911, Base measurements.
April 20, 1911-Jan. 29, 1912, First-order triangulation.
April 9-Dec. 18, 1912, Chief of triangulation party.
Feb. 2, 1913-Jan. 9, 1914, Chief of triangulation party.
April 29-Nov. 24, 1914, Chief of triangulation party.
May 14, 1915-Jan. 26, 1916, Chief of triangulation party.
April 26, 1916-Feb. 15, 1917, Chief of triangulation party.
Feb. 15, 1917-May, 1918, Chief of triangulation party.
May, 1918-March, 1919, Reserve Captain, 472d Engineers, Fort
Sill, Okla., and Fort Barrancas, Fla. -- World War.
1919-1921, Commanding officer, ships ARCTURUS and LYDONIA,
California and Alaska coasts.

OFFICE ASSIGNMENTS

Various short periods at Washington office, on field records.
1922-1924, Director of Coast Surveys, Manila, P. I.
1925-May 17, 1929, Assistant Chief, Division of Hydrography
and Topography.
May 17, 1929----, Chief, Division of Charts.

11/3/31

W(illiam) E(dward) PARKER

Commanding officer, Ship HYDROGRAPHER, Atlantic coast.

Eod, February 18, 1901.

Captain, July 1, 1930.

Born, Newton, Mass., March 21, 1876; parents, William C. and Emily A. (Goodwin) Parker; married, A. Marie Knowles; education, Newton high school and BS in CE at Massachusetts Institute of Technology, 1899.

American Society of Civil Engineers; Washington Society of Engineers; Washington Academy of Science; Philosophical Society of Washington; American Geophysical Union; M. O. H. H.; Cosmos Club; Federal Club.

FIELD ASSIGNMENTS

1901-1902, Ship PATTERSON and ship GEDNEY, southeast Alaska.

1901, Ship HYDROGRAPHER, Atlantic coast.

1902-1903, Porto Rico.

1903, New England

1904, Florida.

1904, Ship BACHE, Panama.

1904-1905, New England

1906-1908, Philippines, ship FATHOMER

1906, Alaska

1909-1910, Ship PATTERSON, Alaska

1911-1913, Coast pilot work and miscellaneous.

April 23, 1931---, Commanding officer, HYDROGRAPHER, Georges Bank project.

OFFICE ASSIGNMENTS

1914, drafting and specifications, construction SURVEYOR.

1915-1918, Chief, section of vessels and equipment.

1918-1919, Navy -- war service.

1919-1931, Chief, Division of Hydrography and Topography.

11/5/31

DOUGLAS L(lewellyn) PARKHURST
Chief, Division of Instruments.

Rod, May 28, 1923.

Mechanical engineer, July 29, 1930.

Born, Amherst, New Hampshire, May 25, 1893; parents, Arthur W. and Beatrice (Schneider) Parkhurst; married, Margaret L. Dillett; education, Worcester Polytechnic Institute BS in 1915 and ME in 1926.

Washington Society of Engineers; Philosophical Society of Washington; Captain, Engineer Corps Reserves.

Author of various articles describing precision surveying instruments in the technical and scientific fields, both in the United States and abroad. Author of "Precision Level and Rod."

Has developed a variety of precision instruments, including the Parkhurst first-order theodolite, second-order theodolite, vertical collimator, sounding engraving machine, planetable alidade, and others. Has patents on automatic electric time switch and safety "all-ways" hand grenade.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

May 28, 1923--- , Chief, Division of Instruments.

12/12/31

JOSEPH CHARLES PARTINGTON

Triangulation, City of New York.

Eod, January 12, 1925.

Lieutenant (j. g.), December 27, 1926.

Born, Lincoln, Nebraska, February 2, 1900; parents, Ella Rhatigan and Harold Partington; married, Peggy Low; education, BS in CE at University of Nebraska.

FIELD ASSIGNMENTS

April, 1925-April, 1928, Ship DISCOVERER

April, 1928-March, 1929, Ship SURVEYOR

March, 1929-March, 1931, Ship EXPLORER

March-July, 1931, Ship GUIDE

July, 1931---, Triangulation party of R. W. Woodworth, City of New York, N. Y.

OFFICE ASSIGNMENTS

Jan. 12-March 31, 1925, Division of Hydrography and Topography.

10/22/31

HUBERT A. (Alexander) PATON

Inshore hydrography, Oahu Island, Hawaii.

Eod, September 1, 1923.

Lieutenant (j. g.), May 3, 1926.

Born, Shelby, Michigan, May 26, 1899; parents, Alexander and Gertrude (Pierce) Paton; married, Gwendolyn Carroll Gans; education, Mena, Ark., high school, one year University of Arkansas; BS in CE at University of Oklahoma.

Delta Upsilon; Toga; Sigma Tau; Checkmate; Scabbard and Blade.

FIELD ASSIGNMENTS

1923, Current survey, San Francisco Bay.

1924, Ship DISCOVERER, southwest Alaska and California.

1925-1926, Ship PATHFINDER, Philippines.

1927-1928, Ship LYDONIA, East coast, Jacksonville, Portland, and Norfolk.

1929-1930, Ship NATOMA, East coast, Fort Pierce, Fla., New York, and Port Royal Sound, S. C.

1931---, Inshore hydrographic survey of Oahu Island, Hawaii, in cooperation with United States Army.

OFFICE ASSIGNMENTS

1923, three months, instruction and training.

1927, two weeks, Chart Division, reviewing sheets.

1931, two weeks, Division of Hydrography and Topography, preparation for field work.

10/7/31

WILLIAM DARYL PATTERSON

Coast Pilot Section, Division of Hydrography and Topography.

Eod, April 2, 1917.

Lieutenant, May 25, 1921.

Born, Neosho, Wisconsin, May 3, 1895; parents, Edwin M. and Hattie M. (Strong) Patterson; married, Evaline M. Ostrander; education, grammar, high, and junior college at Evansville, Wisconsin and University of Wisconsin at Madison.

American Society of Civil Engineers; American Association for the Advancement of Science.

Author of United States Coast Pilot, Atlantic Coast, Section B, second edition; United States Coast Pilot, Gulf Coast, second edition; Inside Route Pilot, Key West to the Rio Grande, first edition; United States Coast Pilot, Alaska, Part I, eighth edition.

FIELD ASSIGNMENTS

1917-1919, Wire drag parties in Alaska.

1919-1920, Ship PATHFINDER, Philippine Islands.

1921-1924, Ships BACHE and HYDROGRAPHER, Atlantic and Gulf coasts.

1925, Coast Pilot revision, Gulf and New England coasts.

1926-1928, Ships SURVEYOR and EXPLORER, Alaskan surveys.

1929-1930, Commanding officer, ship MARINDUQUE, Philippines.

1931, Coast Pilot revision, southeastern Alaska.

OFFICE ASSIGNMENTS

1925, Coast Pilot Section, work on three Coast Pilots.

1931--- , Coast Pilot Section, work on one Coast Pilot.

11/30/31

R(aymond) S(tanton) PATTON
Director, Coast and Geodetic Survey.

Eod, July 2, 1904.
Captain (Director), April 29, 1929.

Born, DeGraff, Ohio, December 29, 1882; parents, Oliver and Ida M. (Cloninger) Patton; married, Virginia M. Mitchell; education, public schools at Sidney, Ohio, Adelbert College of Western Reserve University, PhD in June, 1904.

Life trustee, National Geographic Society; Director, American Shore and Beach Preservation Association; Trustee, Woods Hole Oceanographic Institution; Member, American Astronomical Society; Member, Washington Society of Engineers; Member, Advisory Committee on the National Hydraulic Laboratory; Member, American Geophysical Union; Member, Association of American Geographers; Member, American Society of Civil Engineers; Member, National Research Council (Committee on Shoreline Investigations); Member, Engineering Advisory Committee on Coast Erosion to New Jersey Board of Commerce and Navigation; Member, United States Geographic Board; Cosmos Club.

FIELD ASSIGNMENTS

1904-1905, Various subordinate capacities, Atlantic coast.
1906, Alaska.
1907-1910, Philippine Islands.
1910, Executive officer, ship BAGHE, Gulf coast.
1911, Ship PATTERSON, Alaska and Panama Canal.
1912-1915, Commanding officer, ship EXPLORER, western Alaska.
1917-1919, service in World War.

OFFICE ASSIGNMENTS

1915-1917, Chief, Coast Pilot Section.
1919-1929, Chief, Division of Charts.
April 29, 1929--- , Director

10/12/31

WILLIAM F(rederick) PEABODY

Chief of Engraving Section, Division of Charts.

Eod, December 22, 1890.

Chief of Engraving Section, April 1, 1930.

Born, Washington, D. C., September 14, 1865; parents, John J. and Mary J. (Ball) Peabody; married, Lucie Janney, November 24, 1908 (died October 23, 1929), education, grade school, commercial engraving, chart engraving, art school and school of music, Spencerian Business College, high school and college mathematics and English, and much private study.

Washington Society of Engineers (chairman, Traffic Safety Committee); Washington Safety-First Association (president); Washington Safety Council (representing Washington Society of Engineers); Piney Branch Citizens Association (chairman, Traffic Committee); Capitol Camera Club (secretary and president); Georgetown Orchester (violinist).

Author of short articles relating to traffic safety and author of various illustrated lectures, including: The Work of the Coast and Geodetic Survey; Travels Along the Waterways; Safety on Land and Water; Artistic Composition in Photography.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

Washington office (dates and positions not supplied).

12/18/31

FREDERIC LOCKWOOD PEACOCK

Commanding officer, Ship GUIDE

Eod, June 16, 1913

Lieutenant-Commander, July 1, 1930.

Born, Lincoln, Wayne County, New York, November 13, 1888; parents, Jerome Robinson and Bessie Lockwood Peacock; married, Frances M. Carter, July 10, 1918; education, Walworth high school, New York, 1905, engineering preparatory course 1909 at Genesee Wesleyan Seminary at Lima, N. Y., and CE 1913 at College of Applied Science at Syracuse University.

Tau Beta Pi, 1912; Associate Member, American Society of Civil Engineers; Member, Society of American Military Engineers; Member, American Association for the Advancement of Science.

FIELD ASSIGNMENTS

Aug., 1913, Delaware Breakwater Harbor.
Nov., 1913-Oct., 1914, Junior officer, ship MARINDUQUE
Nov., 1914-Feb., 1915, Junior officer, ship PATHFINDER
March-Nov., 1915, Junior officer, ship FATHOMER.
Dec., 1915-Feb., 1916, Junior officer, ship PATHFINDER.
June, 1916-Feb., 1917, Junior officer, ship ISIS.
March-Sept., 1917, Executive officer, ship ISIS.
Oct., 1917-Sept., 1918, Executive officer, ship ISIS (USNavy)
April, 1919-March, 1920, Executive officer, ship NATOMA.
April, 1920-Jan., 1922, Executive officer, ship WENONAH.
Jan.-May, 1922, Chief of shore party, Willapa Bay.
June-Oct., 1922, Chief of shore party, Lake Tahoe.
Feb., 1923, Commanding officer, ship GUIDE
Jan., 1924-Dec., 1925, Commanding officer, ship MARINDUQUE.
Jan.-Dec., 1930, Commanding officer, ship OCEANOGRAPHER.
Aug.-Nov., 1931, Commanding officer, ship EXPLORER.
Nov. 30, 1931---, Commanding officer, ship GUIDE.

OFFICE ASSIGNMENTS

Oct.-March, 1919, U. S. Naval Observatory.
March-Sept., 1923, Assistant chief, section of vessels and equipment.
May, 1926-Nov., 1929, Chief, training section.
---and various other short assignments for completion of field records.

10/23/31

JOHN HENRY PETERS

In charge of Honolulu Magnetic Observatory.

Eod, September 20, 1907.

Lieutenant-Commander, July 1, 1930.

Born, Coal Grove, Ohio, February 18, 1886; parents, John and Mary E. Peters; married, Ouida Leonard; education, one year at Ohio Wesleyan University, Delaware, Ohio, and two years at Case School of Applied Science, Cleveland, Ohio.

Engineering Association of Hawaii (non-voting member).

FIELD ASSIGNMENTS

Sept. 20-Dec., 1907, Training.

1908-1910, Junior officer, ships MARINDUQUE and FATHOMER.

1911-1916, Chief of party, precise leveling in western United States and triangulation in Louisiana.

1917, Chief of party, wire drag along coasts of Maine.

Nov., 1917-March, 1919, Lieutenant-Commander in U. S. Navy as Navigator aboard USS GEORGE WASHINGTON, transporting troops from New York to Brest, France.

1919-1920, Commanding officer, ship RANGER, combined operations, coasts of Gulf of Mexico, Florida, and Mississippi.

1921, Commanding officer, ship RANGER, wire drag work in Porto Rican waters.

1922, Executive officer, ship DISCOVERER en route Boston to San Diego via Panama Canal.

1923, Executive officer, ship SURVEYOR, Alaska.

1924-1925, Commanding officer, ship FATHOMER, Philippines, combined operations in Sulu group.

1926, Chief of party, magnetic observations in western United States. 1927---

1927--- , Officer in charge of Honolulu Magnetic Observatory.

OFFICE ASSIGNMENTS

1913-1916, winter months, computing division, Washington office.

1927--- , Officer in charge, Honolulu Magnetic Observatory.

12/15/31

RALPH LESLIE PFAU

Chief of party, reconnaissance, triangulation, Texas.

Eod, September 2, 1924

Lieutenant (j. g.), December 27, 1926.

Born, Cincinnati, Ohio, October 2, 1900; parent, "O. W. Pfau;" education, BS in CE 1924 at Agricultural and Mechanical College of Texas.

American Society of Civil Engineers; Society of American Military Engineers..

FIELD ASSIGNMENTS

(Dates not supplied.)

Assistant, Triangulation revision, South Carolina.

Junior officer, ship PIONEER, west coast of United States and in Alaska.

Assistant, third-order triangulation and traverse, coasts of Oregon and northern California.

In charge second observing party, first-order triangulation in Iowa, Missouri, and Arkansas.

Chief of party, precise determination of latitude, longitude, and azimuth at Laplace stations in Great Lake States.

Chief of party, precise determination of latitude and longitude in Atlantic and New England States.

Chief of party, connection first-order triangulation, United States and Mexico, vicinity El Paso, Texas.

Chief of party, first-order triangulation (double observing) in Louisiana and Mississippi.

Assistant, reconnaissance, first-order triangulation along Mississippi River, Louisiana, Mo., to St. Paul, Minn.

Chief of party, triangulation reconnaissance, building, and observing, in Michigan.

Chief of party, reconnaissance for first-order triangulation in Texas.

OFFICE ASSIGNMENTS

(Dates not supplies.)

Geodetic and astronomical computations.

Assistant and observer, transfer of gravity base station from old Coast Survey building to Smithsonian Institution.

Assistant on investigation to determine practicability of making latitude and longitude determinations of second-order accuracy, using remodelled first-order theodolite and short wave radio receiver.

10/16/31

CHARLES PIERCE

Chief of party, Levels, State of Washington.

Eod, April 10, 1923.

Lieutenant, July 3, 1930.

Born, Somerville, Massachusetts, August 21, 1900; parents, Frederick W. (Sr.) and Mable Greenwood Pierce; education, Luther V. Bell grammar school, Somerville high school and BS in CE 1922 at Tufts College.

Member of Commons Club at Tufts College; member Somerville, Mass., Post of American Legion.

FIELD ASSIGNMENTS

April-Nov., 1923, Junior officer, astronomical party, Alaska.
Feb.-Dec., 1924, Junior officer, ship PIONEER, Alaska.
Dec., 1924-Dec., 1925, Junior officer, ship DISCOVERER, southwest Alaska and California.
Feb., 1926-Jan., 1927, Junior officer, ship FATHOMER, Philippines.
Jan., 1927-March, 1928, Executive officer, ship FATHOMER, Philippines.
June-Nov., 1928, Chief of party, Potomac River triangulation.
June-Nov., 1929, Chief of party, levels, Colorado and New Mexico.
Dec., 1929-June, 1930, Chief of party, California coastal triangulation.
July-Nov., 1930, Chief of party, levels, Oregon.
Nov., 1930-March, 1931, Chief of party, levels, California.
July, 1931---, Chief of party, levels, Washington.

OFFICE ASSIGNMENTS

Nov., 1923-Feb., 1924, Junior officer, Seattle field station.
Dec., 1928-June, 1929, Computing, Washington office.
June, 1931, Junior officer, San Francisco field station.

10/29/31

WILBUR R(yel) PORTER

Junior officer, Triangulation (location not given).

Eod, August 17, 1925.

Lieutenant (j. g.), February 8, 1929.

Born, Watertown, New York., January 16, 1904; parents, Claude and Addie J. O'Brien Porter; married, Ethel Mary Anderson; education, BS in CE at Clarkson College of Technology.

FIELD ASSIGNMENTS

(Neither definite dates nor locations supplied.)

1925-1927, Ship RANGER, wire drag and hydrography.

1927-1928, Launch ELSIE, combined operations.

1928-1929, Ship NATOMA, combined operations.

1929-1930, Chief of party, first-order levels.

1931--- , Junior officer, first-order triangulation.

OFFICE ASSIGNMENTS

None

11/17/31

FRANCIS B(artholomew) QUINN
Ship DISCOVERER, southwest Alaska.

Eod, July 6, 1925.
Lieutenant (j. g.), October 15, 1927.

Born, Medford, Massachusetts, July 6, 1902; parents,
Frank M. and Mary J. Quinn; married, Cecile Anita Leslie;
education, BS in CE at Tufts College.

Boston Society of Civil Engineers; Beta Kappa Frater-
nity; K. of C.

FIELD ASSIGNMENTS

July-Dec., 1925, ship MIKAWA, South Carolina.
Nov., 1926-April, 1930, ship GUIDE, Oregon, Washington, and
Hawaiian Islands.
April, 1930---, ship DISCOVERER, southwest Alaska.

OFFICE ASSIGNMENTS

Dec., 1925-Oct., 1926, Washington office.

12/8/31

HOWARD S(nyder) RAPPLEYE

Chief, Section of Leveling, Division of Geodesy.

Eod, January 2, 1917.

Mathematician, August 10, 1929.

Born, Ithaca, New York, May 19, 1892; parents, Charles F. and Addie E. (Snyder) Rappleye; married, Nettie L. Brewer; education, 3½ years toward CE degree at Cornell University.

American Society of Civil Engineers; Philosophical Society of Washington; Washington Society of Engineers; American Astronomical Society; American Legion; F. and A. M.; A. A. S. R.

Author of various articles and publications, including: First-Order Leveling in Hawaii; First-Order Leveling in Alaska; First-Order Leveling in New Jersey.

FIELD ASSIGNMENTS

(Dates not supplied.)

Ship ROMBLON, Philippine Islands

Triangulation scheme over Manila, Philippine Islands.

Triangulation for National Air Races, flying course, Philadelphia, Pa.

Miscellaneous field work in District of Columbia and vicinity.

OFFICE ASSIGNMENTS

1927, Special adjustment, first-order level net.

1929, Special adjustment, first-order level net.

1929, General adjustment, First-order level net.

Aug. 10, 1929--- , Chief, Section of Leveling.

1/26/32

AUGUSTUA P(ETER) RATTI
Philippine waters.

Eod, May 2, 1918.
Lieutenant, July 23, 1927.

Born, Boston, Massachusetts, July 17, 1895; parents,
Scipio and Roma Ratti; married, Gertrude Allen; education,
BS in CE at Tufts College.

American Society of Civil Engineers.

FIELD ASSIGNMENTS

(Dates not supplied)

(Assignments not supplied)

Atlantic coast

Porto Rico and Virgin Islands

Pacific Coast

Southeast and southwest Alaska

Philippines

OFFICE ASSIGNMENTS

None

12/19/31

LEROY P(reston) RAYNOR
San Francisco Field Station.

Eod, December 1, 1913
Lieutenant, July 27, 1920.

Born, Moriches, New York, March 13, 1891; parents, Loromer M. and Jennie Wood Benjamin Raynor; married, Elizabeth Powell; education, CE at Cornell University; correspondence course at Alexander Hamilton Institute.

Sigma Xi; American Society of Civil Engineers; F. and A. M.

FIELD ASSIGNMENTS

April-Nov., 1914, Junior officer, ship PATTERSON, and in charge party detached from ship.
Dec., 1914-April, 1915, Ship GEDNEY, Junior officer in charge of topographic party.
May-Sept., 1915, Wire drag party of John A. Daniels, Clarence Strait.
May-Sept., 1916, Wire drag party of N. H. Heck, Gloucester.
July-Nov., 1917, Ship HYDROGRAPHER, in charge detached parties doing hydrography and topography.
June-Sept., 1919, Party of E. B. Latham, northern California.
Dec., 1919-Feb., 1920, Temporarily in charge ships FATHOMER and MARINDUQUE at Engineer Island.
April, 1920-Feb., 1921, Executive officer, ship PATHFINDER.
March, 1921-March, 1922, Executive officer, ship MARINDUQUE, and temporary command for 15 days absence comdg. officer.
June-Sept., 1922, Tide and current survey party of H. C. Denson of New York Harbor.
Oct., 1922-April, 1923, Chief of party, primary traverse coasts of Virginia and North and South Carolina.
June-Nov., 1923, Command of launch MIKAWA, combined operations mouth of Cape Fear River and Frying Pan Shoals.
Feb.-May, 1924, Chief of party, primary traverse and triangulation, South Carolina.
July-Aug., 1924, Chief of party, survey of Willapa Bar.
Aug., 1924-Oct., 1925, Second and third officer, ship GUIDE.
Nov., 1925-April, 1926, Executive officer, ship GUIDE.
May, 1926-March, 1927, Executive officer, ship PIONEER.
Nov., 1930-July, 1931, Combined operations Project 70 with party of G. C. Jones.
Aug., 1931---, San Francisco Field Station, handling field work of air-photo inspection.

OFFICE ASSIGNMENTS

Dec., 1931-March, 1914; Dec., 1915-April, 1916; Dec., 1923-Jan., 1924, Washington office.
April-Sept., 1927, San Francisco Field Station.
Oct., 1927-May, 1929, Tucson Magnetic Observatory
April-Sept., 1927, San Francisco Field Station
Aug., 1929-Oct., 1930, San Francisco Field Station.
Aug., 1931---, San Francisco Field Station.

12/9/31

OLIVER SCOTT READING

Reduction of aerial photographs.

Eod, July 1, 1915

Lieutenant, May 26, 1921.

Born, West Falls, New York, August 2, 1894; parents, Charles Richard and Ollie (Scott) Reading; married, Martha Claire Gothard; education, self tutored.

FIELD ASSIGNMENTS

1915, Wire drag, Plymouth and New York.

1916, Ship PATTERSON, southeast Alaska

1916-1918, Ship PATHFINDER, Philippines.

1921, Ship HYDROGRAPHER, Mississippi Delta

1922-1924, Ship PIONEER, California and southwest Alaska.

1925-1927, Ship NATOMA, California, Puget Sound, and southeast Alaska, executive officer and temporary command.

1928-1929, Triangulation and photo-control, Florida.

OFFICE ASSIGNMENTS

1929--- , Reduction of aerial photographs, Washington office

10/12/31

THOMAS B(ernard) REED
Ship OCEANOGRAPHER

Eod, June 9, 1923.
Lieutenant, July 3, 1930.

Born, Kansas, January 17, 1900; parents, Hugh L. and
Mary Reed; married, Eva Marie Darling; education, BS in CE
at Kansas State College.

American Society of Civil Engineers.

FIELD ASSIGNMENTS

June, 1923-Oct., 1924, ship BACHE (assignment not furnished)
Nov., 1924-June, 1925, Survey of Lake Okeechobee
Dec., 1925-Aug., 1926, Ship GUIDE
Sept., 1926-May, 1928, Ship DISCOVERER
May-Oct., 1928, Shore party, Oregon coast.
April-Dec., 1929, Ship EXPLORER.
Jan., 1930----, Ship OCEANOGRAPHER, work on Georges Bank.

OFFICE ASSIGNMENTS

June-Oct., 1925, Reduction aerial photographs, Washington of-
fice.
Nov., 1928-March, 1929, San Francisco Field Station

MARSHALL HUDSON REESE

Lieutenant (j.g.) Marshall Hudson Reese, U. C. Coast and Geodetic Survey, and Max McLees, Quartermaster on the Coast Survey ship Surveyor, were drowned on September 26, 1936, off the north shore of Unalaska Island when a dory in which they were leaving camp on Wislow Island capsized. Their bodies were not found.

Radio reports of the tragedy from Commander A. M. Sobieralski, Commanding Officer of the Ship Surveyor, to which Lieutenant Reese and Quartermaster McLees were attached, state that apparently a strong offshore gale carried the capsized boat and the men offshore into the Bering Sea. Wislow Island is a small island off the north coast of Unalaska Island, Aleutian Islands, Alaska. No other boats were in the vicinity at the time of the accident. The men were last seen clinging to the overturned boat drifting seaward with a strong offshore wind blowing. The Coast Guard Cutter and the Coast and Geodetic Survey ship Surveyor searched a wide area without finding any trace either of the men or the boat. The shores of the vicinity were thoroughly examined by launches from the two ships, and it appears certain that the boat drifted offshore on account of the heavy gale which was blowing.

Lieutenant Reese, son of Hilliard H. and Claudie Reese, was born at Arcadia, La., October 5, 1904, and received his early education at the Baskin grade and high schools. In 1928 he received the degree of BS in CE at the College of Engineering, Louisiana State University, entering the service of the U. S. Coast and Geodetic Survey on September 1, 1928. In 1935 he received the Professional Degree of Civil Engineer from Louisiana State University for a graduate thesis entitled "The Development of Aerial Surveying in the U. S. Coast and Geodetic Survey". He was married on December 14, 1935, to Miss Doris Anderson of Pensacola, Fla. Coyle

He served as junior officer on the survey ships Lydonia and Natoma, and at the time of his death was attached to the Surveyor. He was one of the first assigned the duty of flight checking the sectional airway maps and also spent time in the Washington Office of the Survey in compiling aerial photographs. Efficient and unusually well liked, his death comes as a shock to everyone in the Survey. Dunt

He was a member of Delta Sigma Phi; Sigma Tau Sigma; Scabbard and Blade; American Society of Civil Engineers; and the Society of American Military Engineers.

Quartermaster McLees had served continuously on the Surveyor in Alaskan waters since 1925. He was married, his wife living in the vicinity of Seattle. He was the son of T. G. McLees of Edmunds, Wash.

11/1/31

OF MILITARY----

MARSHALL H(udson) REESE

Flight checking of airway maps.

Eod, September 1, 1928.

Lieutenant (j. g.), July 2, 1931.

Born, Arcadia, Louisiana, October 5, 1904; parents, Hilliard H. and Claudie Reese; education, Baskin high school, BS in CE 1928, College of Engineering, Louisiana State University.

Delta Sigma Phi; Sigma Tau Sigma; Scabbard and Blade; American Society of Civil Engineers; Society of American Military Engineers.

FIELD ASSIGNMENTS

Sept. 1, 1928-Jan. 8, 1929, Training section.

Jan. 8, 1929-May 20, 1930, Junior officer, ship LYDONIA.

May 20-Oct. 11, 1930, Junior officer, ship NATOMA

July 18, 1931---, Flight checking sectional airway maps
(all Upper) I-11, I-12, I-13, and I-14.

OFFICE ASSIGNMENTS

Oct. 11, 1930-July 18, 1931, Compilation aerial photographs, Washington office.

10/12/31

WALTER F(Ord) REYNOLDS

Chief, Section of Triangulation, Division of Geodesy.

Ed, March 1, 1907.

Mathematician, September 1, 1924.

Born, Baltimore, Maryland, May 25, 1880; parents, Robert Fuller and Catherine (Myers) Reynolds; married, Ada C. Williams of Baltimore, Md., children Catherine A., Robert W., and Walter F.; education, AB 1902 at Johns Hopkins University and graduate work in mathematics and physics at Johns Hopkins University 1902-1905.

Philosophical Society of Washington; Mathematical Association of America; National Geographic Society; American Geophysical Union; Pi Gamma Mu.

Author of various articles and publications, including: Triangulation in Alabama and Mississippi, 1915; Triangulation in Maine, 1918; Relation between Plane Rectangular Coordinates and Geographic Positions, 1921; Manual of Triangulation Computation and Adjustment, 1927; First-Order Triangulation in Southeast Alaska, 1929.

FIELD ASSIGNMENTS

None

Office ASSIGNMENTS

March, 1907-June, 1908, Geodetic computer.

July, 1908-Sept., 1911, Computer, United States and Canada Boundary Commission. (Director of Coast Survey was also Boundary Commissioner during this period.)

Oct., 1911-Dec., 1916, Geodetic computer.

Jan., 1917-Aug., 1924, Chief computer, Division of Geodesy.

Sept., 1924---, Chief, Section of Triangulation.

11/2/31

MAX G(aylord) RICKETTS
Ship SURVEYOR, Kodiak Island.

Eod, September 1, 1927.
Lieutenant (j. g.), July 2, 1931.

Born, Fort Pierre, South Dakota, September 30, 1905;
parents, Andy C. and Mabel E. Ricketts; education, high
school at Fort Pierre, South Dakota, and BS in CE at South
Dakota State School of Mines.

FIELD ASSIGNMENTS

Oct. 3, 1927-May 4, 1928, Launch MIKAWA, training section,
Chesapeake Bay.
May 5, 1928-Jan. 4, 1930, Ship LYDONIA, east coast.
Feb. 26-March 24, 1930, Ship OCEANOGRAPHER, east coast.
April 29-July 12, 1930, Short party of R. D. Horne, St. An-
drews Bay, Fla.
August 28, 1930-April 12, 1931, Ship GUIDE, Washington coast.
April 12, 1931--- , Ship SURVEYOR, Kodiak Island.

OFFICE ASSIGNMENTS

Sept. 1-Oct. 3, 1927, Washington office, Training section.
Jan. 6-Feb. 25, 1930, Division Hydrography and Topography
March 25-April 25, Division of Hydrography and Topography.
July 14-Aug. 11, 1930, Completion field records, Washington
office.

12/13/31

FREDERICK A(nderson) RIDDELL

Ship HYDROGRAPHER, work on Georges Bank.

Eod, September 14, 1928.

Lieutenant (j. g.), July 2, 1931.

Born, Fort Collins, Colorado June 2, 1906; parents, Earle Philip and Cora May Riddell; education, Colorado Agricultural College, Fort Collins, Colorado.

Phi Delta Theta.

FIELD ASSIGNMENTS

Sept. 14, 1928-Jan. 8, 1929, Training section.

Jan. 14, 1929-May 26, 1930, Ship NATOMA, Florida and Chesapeake Bay.

June 7-26, 1930, Temporary duty under Gilbert T. Rude, repairs to Launch ECHO.

July 4-Oct. 18, 1930, Current party, Narragansett Bay.

March 12, 1931--- , Ship HYDROGRAPHER, Georges Bank

OFFICE ASSIGNMENTS

May 28-June 6, 1930; Oct. 18, 1930-March 11, 1931, Washington office, Division of Tides and Currents.

12/11/31

BENJAMIN H(aines) RIGG

Second officer, ship OCEANOGRAPHER, Georges Bank.

Eod, August 11, 1919.

Lieutenant, July 3, 1930.

Born, Burlington, New Jersey, February 13, 1896;
parents, Edward (jr.) and Mary R. (Hammell) Rigg; married,
Helen Kent Capron; education, grammar and high schools at
Burlington, N. J., Washington and Lee University, and Lehigh
University.

Sigma Phi Epsilon; Cyanide Club; Arcadia; F. and A. M.
of Burlington, N. J.; Sojourners; Heroes, Washington, D. C.;
Burlington County Boy Scouts of America, advisory board.

FIELD ASSIGNMENTS

Aug. 31, 1919-Nov. 26, 1920, Junior officer, ship RANGER,
Sapelo Sound and Pamlico Sound.
March 19, 1921-Dec. 6, 1922, Third officer, ship EXPLORER,
Lynn Canal, Alaska, combined operations and wire drag.
Jan. 19, 1923-Jan. 3, 1924, Second officer, ship PATHFINDER,
Mindinao, south coast, combined operations and beach
traverse
Jan. 17, 1924-Jan. 5, 1925, Second officer, FATHOMER, Jolo
Island, combined operations.
March 16, 1927-Dec. 15, 1929, Second officer and Executive
officer, ship RANGER, Florida and New Jersey coasts.
Dec. 29, 1929-May 5, 1930, Chief of party, Florida west coast,
vicinity of Everglades, launch hydrography.
May 20-Dec. 1, 1930, Chief of party, wire drag, Long Island
Sound.
April 22, 1931----, Second officer, ship OCEANOGRAPHER,
Georges Bank, New England coast.

OFFICE ASSIGNMENTS

April 1, 1925-March 1, 1927, Terrestrial Magnetism and Seis-
mology. During this period had three assignments out-
side of Washington office:
June 1-Nov. 10, 1925, Macmillan Arctic Expedition.
Dec.-Jan., Assistant at Motorboat Show and in charge
New York Field Station for two months.
Sept., 1926, In charge exhibit at Philadelphia
Sesquicentennial.

10/16/31

I(sidor) E(dward) RITTENBURG

Junior officer, Current Party, Buzzards Bay, Mass.

Eod, June 25, 1923

Lieutenant, July 16, 1930.

Born Boston, Massachusetts, February 5, 1901; parents, Jacob H. and Frances Rittenburg; married, Mabel J. Ruben, 1926; education BS in CE 1923 at Tufts College.

Phi Epsilon Pi; National Geographic Society.

FIELD ASSIGNMENTS

1923, Wire drag party of O. W. Swainson.

March, 1924-June, 1925, ship BACHE

June-Oct., 1925, Current survey, Alaska.

Nov., 1925-April, 1926, ship GUIDE

April, 1926-Jan., 1927, party of C. K. Green.

April, 1927-March, 1928, Ship PIONEER

May-July, 1928, Ship FATHOMER, Philippine Islands

July, 1928-March, 1930, Ship PATHFINDER, Philippine Islands.

Sept., 1930-April, 1931, Ship GILBERT

May-Oct., 1931---, Current survey, Buzzards Bay, Mass.

OFFICE ASSIGNMENTS

None

10/8/31

ELLIOTT B(urgess) ROBERTS

Navigating Officer, Ship HYDROGRAPHER, Georges Bank

Eod, August 24, 1921.

Lieutenant, July 3, 1930.

Born, Boston, Massachusetts, August 9, 1899; parents, Henry B. and Kate M. Roberts; married, Rebecca A. Spruce; education, SB 1921 at Massachusetts Institute of Technology.

American Society of Civil Engineers; Honorary member, Philippine Society of Surveyors.

Author of a number of articles, including: Triangulation in the Philippines, Part 2 (co-author); Precise Leveling in New England; The Northern Luzon Triangulation; The Geodetic Control of Northern Luzon.

FIELD ASSIGNMENTS

1921, Gravity and astronomy, Mississippi Delta.

1922, First-order triangulation, New Mexico.

1922-1923, Second-order triangulation and traverse, Virginia, North and South Carolina.

1923, Chief of party, precise leveling, New England.

1923-1924, Chief of party, second-order traverse, Florida.

1924, Chief of party, second-order triangulation and traverse, South Carolina.

1924, Chief of party, precise leveling, New Jersey.

1925, Ship SURVEYOR, in charge topographic subparty Pacific coasts of Baranof and Chichagoff Islands, southeast Alaska.

1926-1928, Chief of shore party, triangulation and reconnaissance, second-order, remote parts of interior Luzon, Philippine Islands.

1926, Ship FATHOMER, triangulation, topography, and hydrography in Sulu Archipelago, Philippines (5 months).

1928-1929, Navigating officer and (6 months) Executive Officer, coasts of New Hampshire, Maine, Delaware, Maryland, Virginia, and Florida.

1930, Executive officer, ship RANGER, Florida coast.

1931--- , Navigating officer, ship HYDROGRAPHER, Georges Bank

OFFICE ASSIGNMENTS

None except temporary, between seasons.

12/11/31

FRED G(arfield) ROBINETTE
Mechanical Superintendent, Washington office.

Eod, July 20, 1904.
Mechanical Superintendent,

Born, Reading, Pennsylvania, July 22, 1881; parents Augustine and Agnes (Boole) Robinette; married, Lillian Hoover, children Dorothy H., Marjorie A., and Fred G. Jr.; education, grammar and Eastern high schools, Bliss Electrical School, and George Washington University, all Washington, D. C.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS (dates not supplied)

Printing section, Drawing and Engraving Division.
In charge electrotype plant.
Engineer, Office of Assistant in Charge of Office
Mechanical Superintendent.

10/9/31

RAYMOND LAWRENCE ROSS

Chief, Airway Mapping Section, Division of Charts.

Eod, July 1, 1927.

Chief, Airway Mapping Section, July 1, 1927.

Born, Cattaraugus, New York, April 6, 1880; parents, Archibald Alfred and Ella Delphine (White) Ross; married, Sarah Electa Watkins; education, State Normal School at Mansfield, Pa., and special work at George Washington University, Washington, D. C.

United States Board of Surveys and Maps; Waterton Watercolor Club; Washington Society of Engineers.

Author of various articles, including: Mapping of United States Airways; Maps for Aviators.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

Chief, Airway Mapping Section from date of appointment

11/11/31

ROGER C(ushing) ROWSE

Ship EXPLORER, Alaskan waters.

Eod, August 30, 1923.

Lieutenant, July 3, 1930.

Born, St. Louis, Missouri, October 30, 1899; parents, Edward C. and Katharine L. Rowse; married, Louise Harriman Lord; education, AB at Harvard College, Harvard Engineering School for one year, and BS in CE at Washington University Engineering School at St. Louis.

Society of American Military Engineers.

FIELD ASSIGNMENTS

(Only one date supplied.)

Sept., 1923, ship MIKAWA, Southport, N. C.

Dec., 1923, ship RANGER, Virgin Islands

Dec., 1924, wire drag party of C. K. Green, Virgin Islands.

May, 1925, ship RANGER, Virgin Islands.

July, 1927, currents party of A. J. Hoskinson, Chesapeake Bay

June, 1928, ship PIONEER, coasts of Oregon and California

Nov., 1929, ship WESTDAHL, coasts of California and Alaska

Feb., 1931---, ship EXPLORER, Alaska.

OFFICE ASSIGNMENTS

Aug. and Nov., 1923; March and Sept., 1927, Washington office

11/2/31

IRA R(ichard) RUBOTTOM
Ship DISCOVERER

Eod, September 14, 1928.
Lieutenant (j. g.), July 2, 1931.

Born, Greenville, Missouri, January 3, 1905; parents,
B. H. and Sally Rubottom; education, BS in CE, Colorado
Agricultural College.

FIELD ASSIGNMENTS

Sept. 18, 1928-Jan. 7, 1929, Training
Jan. 8-Nov., 1929, Ship NATOMA
Dec. 16, 1929--- , Ship DISCOVERER.

OFFICE ASSIGNMENTS

None

10/10/31

GILBERT T(homas) RUDE

Chief, Division of Hydrography and Topography.

Eod, January 19, 1903.

Commander, March 7, 1925.

Born, Sharps, Virginia, September 13, 1881; parents, Lawrence and Corinthia (Reynolds) Rude; married, Viola Mae Britt, one son, Gilbert B.; education, one year Washington College Prep School and three years Washington College.

American Society of Civil Engineers; Philosophical Society of Washington; Association of American Geographers; American Military Engineers; Geographic Union; International Aeroarctic Society; Washington Academy of Sciences; American Legion.

Awarded the Norman Medal (1929) by the American Society of Civil Engineers for paper "Tides and Their Engineering Aspects."

Author of various articles and publications, including: Tides and Their Engineering Aspects; The Portable Automatic Tide Gauge; Instructions for Tide and Current Observations.

Devised the Rude-Fischer pressure sounding tube; the Rude portable automatic tide gauge; The Mariners Practical Star Finder. Patent rights to latter purchased by the Navy and now furnished all naval vessels by the U. S. Hydrographic Office as the Rude Star Finder and Identifier.

FIELD ASSIGNMENTS

Feb. 4, 1903-Jan. 3, 1905, Deck officer, schooner MATCHLESS.
Jan. 4, 1905-April 8, 1907, Aid, Philippine Islands.
July 4-Nov. 9, 1907, Assistant, ship GEINEY, Alaska.
Nov., 1907-Nov., 1915, Ship TAKU, Alaska (Commanding officer).
Nov., 1915-Sept., 1917, Commanding ISIS, east coast.
Sept., 1917-March, 1919, World War, United States Navy.
March-July, 1919, Commanding ISIS, east coast.
March 24-April 23, 1931, Commanding HYDROGRAPHER, east coast.

OFFICE ASSIGNMENTS

Jan. 19-Feb. 3, 1903, Deck officer, Washington office.
July, 1919-Aug., 1928, Chief, Division of Tides and Currents.
Aug., 1928-March, 1931, Inspector of Construction, ship HYDROGRAPHER, Norfolk, Va.
April 23, 1931----, Chief, Division of Hydrography and Topography.

12/7/31

JACK C(hester) SAMMONS
Ship OCEANOGRAPHER, East Coast.

Enl, June 18, 1923.
Lieutenant, July 16, 1930.

Born, Louisa, Kentucky, July 11, 1901; parents, William and Minnie (Roberts) Sammons; education, BS in CE, University of Kentucky.

American Society of Civil Engineers; American Society of Military Engineers.

FIELD ASSIGNMENTS

June 19-Nov. 2, 1923, Wire drag party, Maine.
Jan. 10, 1924-Feb. 27, 1926, ship PATHFINDER, Philippines.
June 13, 1926-Nov. 5, 1929, ship (Old) HYDROGRAPHER.
May 11-Oct. 23, 1929, current party, Long Island Sound.
May 24-Oct. 18, 1930, Current party, Narragansett Bay.
Jan. 14, 1931--- , Ship OCEANOGRAPHER.

OFFICE ASSIGNMENTS

March 7, 1929-May 24, 1930
Oct. 18, 1930-Jan. 14, 1931.

10/29/31

IRA T(aylor) SANDERS,

First-Order Triangulation, Texas-Oklahoma Boundary.

Eod, June 22, 1925.

Lieutenant (j. g.), May 21, 1927.

Born, Cheatham County, Tennessee, May 22, 1897; parents, Lonnie R. and Cornelia M. Sanders; married, Eleanor Michels, Saskatchewan, Canada; education, BS in CE at University of Tennessee.

Alumni Association, University of Tennessee.

FIELD ASSIGNMENTS

June-Dec., 1925, First-order triangulation, Salt Lake-Needles Arc.

Jan.-Feb., 1926, First-order levels, Pacific coast.

March, 1926-Feb., 1927, Ship SURVEYOR, combined operations, southeast Alaska.

June, 1927-April, 1929, Ship EXPLORER, combined operations, southeast Alaska.

July, 1929-Feb., 1930, First-order triangulation, Mississippi River.

March-May, 1930, Junior officer, first-order base measurement.

April, 1930-March, 1931, Chief of party, first-order bases and triangulation.

April, 1931---, Junior officer, first-order triangulation, Gulf Coast, Rocky Mountains and Texas-Oklahoma Boundary.

OFFICE ASSIGNMENTS

April-June, 1929, office assistant, Seattle field station.

Feb.-June, 1927, Supervision construction Launches Nos. 67 and 68, Seattle field station.

12/18/31

WILLIAM McCASLAN SCAIFE

Executive officer, Ship LYDONIA, East Coast.

Eod, December 31, 1918.

Lieutenant, November 25, 1929.

Born, Clinton, South Carolina, November 28, 1897;
parents, Hazel Lewis and Eliza McCaslan Scaife; married,
Mildred Leone Bozorth; education, BS in CE 1918 at Clemson
College, South Carolina.

American Society of Civil Engineers; Society of American
Military Engineers; Mason; Sojourner; Master's license,
unlimited. Army service Sept. 2-Nov. 30, 1918 (second lieu-
tenant's commission, Infantry, November 30, 1918).

FIELD ASSIGNMENTS (Dates not supplied)

Jan.-March, 1919, Junior officer, shore party, Miami, Fla.

April, 1919-Feb., 1920, Junior officer, ship SIALIA, east
coast.

1920, Junior officer, ship SURVEYOR, Alaska.

1921, Junior officer, ship SURVEYOR, Alaska.

1922, Chief of party, triangulation, Idaho and Montana.

1923, Chief of party, triangulation, interior Alaska.

1924, Chief of party, triangulation, interior Alaska.

1925, Junior officer, ship SURVEYOR, Alaska.

1926, Executive officer, ship FATHOMER, Philippines

1927, Ship PATHFINDER, Philippines.

1928, Ship EXPLORER, Alaska (Junior officer)

1929, Chief of party, triangulation, Taku and Stikine Rivers.

1930--- , Executive officer, Ship LYDONIA, East Coast.

OFFICE ASSIGNMENTS

None

12/10/31

CHARLES A (Armstrong) SCHANCK,
Chief of Party, Reconnaissance, Indiana.

Eod, September 19, 1925.

Lieutenant (j. g.), February 1, 1930.

Born, Roberts, Montana, February 26, 1904; parents,
Will and Ella Schanck; married, Christine Beard; education,
BS in CE, Montana State College.

FIELD ASSIGNMENTS

Sept.-Nov., 1925, Assistant, first-order triangulation, 49th
parallel.
Dec., 1925-Jan., 1926, Assistant, first-order levels, Calif.
May-June, 1926, Assistant, shore party, Long Island.
July-Dec., 1926, Chief of party, first-order levels, Colorado.
Jan.-April, 1927, Attached to MIKAWA, Training section.
May-Oct., 1927, Chief of party, first-order levels, Massachu-
setts and Maine.
Jan.-April, 1928, ship HYDROGRAPHER, Florida.
June-Sept., 1928, Chief of party, first-order triangulation,
Maine.
Oct.-Nov., 1928, Chief of party, reconnaissance, New York.
May-June, 1929, Chief of party, first-order triangulation,
Maine.
July, 1929, Instructor on level party, Pennsylvania.
Aug.-Nov., 1929, Assistant, first-order triangulation, New
York, Pennsylvania, and New Jersey.
June, 1930, Assistant, astronomical party, Pennsylvania and
New Jersey.
July-Sept., 1930, Chief of party, first-order triangulation,
Tennessee, Virginia, North Carolina, and Kentucky.
Oct.-Dec., 1930, Chief of party, reconnaissance, Arkansas,
Louisiana, and Texas.
March-Dec., 1931, Chief of party, reconnaissance, Illinois,
Missouri, and Montana, Wyoming, Utah, Colorado, Arizona,
New Mexico, Oklahoma, Texas, and Indiana.

OFFICE ASSIGNMENTS

(Various duties not mentioned)

Feb.-April, 1926; Washington office.
Dec., 1926-Jan., 1927, Washington office.
May, 1927, Washington office.
Nov.-Dec., 1927, Washington office.
May, 1928, Washington office.
Dec., 1928-April, 1929, Washington office.
Dec., 1929-May, 1930, Washington office.
Feb., 1931, Washington office.

12/18/31

RAY L(Longfellow) SCHOPPE

Inspector in Charge, New Orleans Field Station.

Eod, August 16, 1913.

Lieutenant-Commander, July 1, 1930.

Born, Pittsburg, New Hampshire, May 13, 1889; parents, Winfield Scott and Oliver Longfellow Schoppe; married, Cora Alice Parkhurst; education, high school at Canaan, Vt., Mt. Hermon School, Mt. Hermon, Mass., and University of Vermont, Burlington, Vt.

American Society of Civil Engineers; Mason; Sigma Nu; Society of American Military Engineers; American Legion; Propellor Club; and Army and Navy Club of New Orleans.

FIELD ASSIGNMENTS

(Dates not supplied.)

Junior officer, ships HYDROGRAPHER, McARTHUR, BACHE

Junior officer, wire drag parties.

Executive officer on wire drag parties and on ships BACHE, RANGER, FATHOMER, and DISCOVERER.

Commanding officer, ships MARINDUQUE, NATOMA, BACHE, and RANGER.

Chief of party, first-order triangulation, current survey of San Francisco Bay, and Coast Pilot revision.

OFFICE ASSIGNMENTS

(Dates not supplied.)

Various assignments Washington office as juniro officer.

In charge computing division, Manila Office.

Compilation revision Coast Pilot, Sec. D.

Sept. 9, 1929--- , Inspector in Charge, New Orleans field station.

10/10/31

PAUL SCHUREMAN

Chief, Section of Tide Reductions, Division of Tides and Currents.

Eod, June 15, 1903.

Senior mathematician, July 1, 1928.

Born, Toms River, New Jersey, February 29, 1876;
parents, Irving G. Schureman and Mary E. (Smith) Schureman;
married, Lillian V. Hamann; education, civil engineering
course at Rutgers College.

Washington Academy of Sciences; Philosophical Society
of Washington; National Geographic Society; American Asso-
ciation for the Advancement of Science.

Author of various articles and publications, including:
A Manual of the Harmonic Analysis and Prediction of Tides;
Tides and Currents in Boston Harbor; Tides in Wells; Tidal
Computations and Predictions.

FIELD ASSIGNMENTS

Temporary, installation and inspection of tide stations.

OFFICE ASSIGNMENTS

Mathematician, Division of Tides and Currents

March 9, 1925---, Chief, Section of Tide Reductions, Divi-
sion of Tides and Currents.

12/10/31

JACK SENIOR

Commanding officer, Ship FATHOMER, Philippines.

Eod, March 2, 1914.

Lieutenant-Commander, July 1, 1930.

Born, New York, N. Y., December 23, 1891; parents, Maurice and Anna Senior; married, Edna P. Harris; education, 3½ years in civil engineering at Cornell University (left to enter Bureau service).

American Society of Civil Engineers; Society of American Military Engineers; Mason.

FIELD ASSIGNMENTS

(To be supplied)

OFFICE ASSIGNMENTS

(To be supplied)

10/9/31

HARRY A. SERAN

Assistant Chief, Division of Hydrography and Topography.

Eod, July 1, 1907.

Commander, July 1, 1930.

Born, New Philadelphia, Ohio, January 28, 1887; parents, Alonzo and Angeline (Bowman) Seran; married, Lillian Williams; education, Minerva, Ohio, high school, 1903, and Hiram College, 1907.

American Society of Civil Engineers; Society of American Military Engineers; Washington Society of Engineers; Cosmos; Manor; Army and Navy (Manila); Mason; National Sojourners (past president); Heroes of '76 (past commander).

Author of "Precise Dead Reckoning in Offshore Soundings."

FIELD ASSIGNMENTS

1907-1912, Junior officer various ships, Alaska and Philippine Islands.

1912, Telegraphic determination longitudes.

1913-1914-Triangulation

1915, Executive officer, ship PATTERSON, Alaska.

1916-1917, Commanding officer, ship HYDROGRAPHER, Gulf coast.

Sept., 1917-April, 1919, War Service, United States Navy.

1919-1921, Commanding officer, ship BACHE

1922-1923, Commanding officer, ship DISCOVERER

OFFICE ASSIGNMENTS

1924-June, 1926, Director of Coast Surveys, Manila.

Aug., 1926-May, 1929, Chief, Section of Vessels and Equipment, Washington office.

May, 1929---, Assistant Chief, Division of Hydrography and Topography.

12/10/31

AARON L(ouis) SHALOWITZ

Senior Cartographic Engineer, Cartographic Section, Division of Charts.

Eod, March 15, 1916.

Cartographic engineer, January 4, 1921.

Born, Russia, December 29, 1892; parents, Joseph and Esther Shalowitz; married, Pearl Myer, children, Erwin and Ernest; education, Baltimore Polytechnic Institute 1911, Georgetown University LLB 1926 first honors, and LIM 1930 at George Washington University.

Washington Society of Engineers; National Geographic Society; Hebrew Publication Society; Zionist Organization of America; Georgetown Law Journal; George Washington University Alumni Association; Commissioned Second Lieutenant, Coast Artillery, Officers' Reserve Corps, 1917; admitted in 1927 to practice before District of Columbia and Maryland bars.

FIELD ASSIGNMENTS

Dates not supplied.

Ship HYDROGRAPHER, Port Royal Sound, S. C., combined operations.

Ship HYDROGRAPHER, Mississippi Delta, combined operations.

Shore party, hydrographic and topographic survey, San Diego Bay, California.

Shore party, San Francisco Bay, Calif., wire drag survey.

Ship EQUATOR, Frederick Sound, southeast Alaska, wire drag survey.

Shore party, Virgin Islands, triangulation and topographic survey.

OFFICE ASSIGNMENTS

Dates not supplies.

Hydrographic and topographic draftsman, and cartographic engineer, Washington office.

Jan. 4, 1921----, Senior Cartographic Engineer, Cartographic Section, Division of Charts.

12/15/31

CHARLES SHAW

Leave status, en route to Manila, P. I.

Eod, June, 1914

Lieutenant, July 27, 1920.

Born, Springfield, Massachusetts, November 25, 1889; parents, Albert H. and Sarah E. (Baines) Shaw; married, Janette L. Norman; education, AB at Massachusetts Institute of Technology.

Masonic Lodge, Manila; Phi Sigma Kappa, Massachusetts Institute of Technology; American Society of Civil Engineers.

FIELD ASSIGNMENTS

June, 1914-Dec., 1915, wire drag work, Maine, Massachusetts, Rhode Island, Key West, and Alaska.

Jan. 16--Jan., 1920, Philippine Islands, ships ROMBLON and FATHOMER.

1921, Executive officer, ship HYDROGRAPHER

1922, Executive officer, ship BACHE, Atlantic coast.

1923-1924, Executive officer, EXPLORER, Alaska.

1925, Executive officer, PIONEER, western Alaska.

1926, In charge surveys Shuyack Straits, western Alaska.

1927, Executive officer, SURVEYOR, Gulf of Alaska.

1928, Commanding officer, HYDROGRAPHER, Florida coasts.

1929-1930, Commanding officer, RANGER, New Jersey and Florida.

1931, Commanding officer, GILBERT, Florida and Georges Bank, Mass.

OFFICE ASSIGNMENTS

Nov., 1920; May-June, 1929, Washington office.

10/14/31

GEORGE RILEY SHELTON
Ship NATOMA.

Eod, June 15, 1925.

Lieutenant (j. g.), March 16, 1926.

Born, Lin Rock, Alabama, September 24, 1899; parents, W. E. and Irene Jane (Venable) Shelton; education, BS in CE in 1924 at University of Alabama.

American Association for the Advancement of Science in 1931; Pi Mu Epsilon (Honorary Mathematics) in 1923.

FIELD ASSIGNMENTS

1925-1926, Ship EXPLORER, Alaska.

1927-1928, Ship DISCOVERER, Hawaiian Islands and California.

1930---, Ship NATOMA, Florida, New York, South Carolina, Massachusetts, and Long Island, N. Y.

OFFICE ASSIGNMENTS

None

10/15/31

FREDERICK B(ernhard) T(heodore) SIEMS
Commanding officer, ship SURVEYOR.

Eod, November 7, 1907.
Commander, July 1, 1930.

Born, Baltimore, Maryland, April 7, 1888; parents,
Henry G. F. (deceased) and Theresa A. R. Siems; married,
Catherine D. Sinkenbring; education, graduate 1907 of Balti-
more Polytechnic Institute.

American Society of Civil Engineers, 1922;

Author of various articles and publications, including:
Subsidence of Bench Mark, Vicinity New Orleans; Light-Star
Sights (proposed); Reduction of Inclined Angles to Differ-
ence of Azimuth.

FIELD ASSIGNMENTS

(Dates not supplied.)

Commanding officer of ships MARINDUQUE, ROMBLON, FATHOMER,
MATCHLESS, HYDROGRAPHER, RANGER, EXPLORER, DISCOVERER,
and SURVEYOR, since 1914.

Chief of wire drag party, two seasons.

OFFICE ASSIGNMENTS

1927-1929, Inspector in Charge, New Orleans Field Station.

10/26/31

R(iley) J(acob) SIPE

Junior officer, ship DISCOVERER, Alaska.

Eod, July 14, 1924.

Lieutenant (j. g.), May 4, 1929.

Born, Swanton, Ohio, March 24, 1898; parents, "S. W. Sipe;" married, Evelyn Hess; education, BS in geodesy and surveying, University of Michigan.

Scabbard and Blade

FIELD ASSIGNMENTS

(Dates not supplied.)

Tides and currents, Delaware Bay.

Astronomical party, Canadian border.

Philippine Islands.

March, 1932----, Ship DISCOVERER, combined operations, southwest Alaska.

OFFICE ASSIGNMENTS

(Dates not supplied.)

Office work on air photographs.

10/9/31

PAUL ALBERT SMITH

Chief of party, First-order Triangulation, Kentucky.

Eod, August 11, 1924.

Lieutenant (j. g.), May 3, 1926.

Born, Morning Sun, Iowa, January 9, 1901; parents, Jonas William and Estella (McLellan) Smith; married, Sylvia Juanita Ralston; BSE (geodesy and surveying) at University of Michigan.

American Society of Civil Engineers; Society of American Military Engineers; Tau Beta Pi; Les Voyageurs (University of Michigan).

FIELD ASSIGNMENTS

Aug-Dec., 1924, First-order triangulation, South Dakota and Texas.

1925-1926, Junior officer, resurvey of Tampa Bay, on ship HYDROGRAPHER.

1927-1928, Junior officer, SURVEYOR.

1928, In charge Launch WILDCAT, survey of Sitkolidak Straits.

1929, Junior officer, Mississippi River triangulation.

1930---, Chief of party, first-order triangulation, Georgia, Alabama, Mississippi, Louisiana, Texas, Oklahoma, Arkansas, Missouri, Illinois, Tennessee, and Kentucky.

OFFICE ASSIGNMENTS

None

11/21/31

JOSEPH MURRAY SMOOK

Ship PATHFINDER, Luzon and Palawan, Philippine Islands.

Eod, October 2, 1917.

Lieutenant, July 3, 1930.

Born, New York, N. Y., December 25, 1897; parents, Abraham and Bella Smook; married, Bonnie B. Hanson; education, grammar and DeWitt Clinton high school, New York City, and CE at Cornell University, Ithaca, N. Y.

Cornell Society of Engineers; Dawson Lodge #16, F. and A. M., Washington, D. C.

FIELD ASSIGNMENTS

Oct., 1917-Dec., 1918, Traverse and precise levels, Georgia, South and North Carolinas.

Aug.-Oct., 1921, Traverse and precise levels, Wisconsin and Minnesota.

May, 1922-Dec., 1924, Ship DISCOVERER, combined operations, east to west coast, San Diego Harbor, southwest Alaska, and Monterey Bay, Calif.

Dec., 1924-March, 1925, Chief of Triangulation party, northern California.

April-Oct., 1925, Chief of triangulation party, southeast Alaska.

May-July, 1926, Chief of party, Traverse, Washington and Oregon.

Aug., 1926-March, 1927, Chief of party, first-order levels, California and Arizona.

June-Oct., 1927, first-order triangulation, Minnesota, South Dakota, and Iowa.

March, 1928, Chief of party, first-order levels, Washington.

June-Oct., 1928, first-order triangulation and reconnaissance, Iowa, Missouri, and Kentucky.

April-Sept., 1929, Chief of party, second-order triangulation, southeast Alaska.

March, 1930---, Ship PATHFINDER, combined operations, northern Luzon and northwest Palawan, Philippine Islands.

OFFICE ASSIGNMENTS

Aug.-Sept., 1919; Nov., 1921-April, 1922, Washington office.

Nov., 1925-April, 1926, Seattle field station.

April-May, 1927, Washington office.

Nov., 1927-May, 1928, Seattle field station.

Nov., 1928-Feb., 1929, Washington office.

Feb.-April, 1929, Seattle field station

Sept., 1929-Feb., 1930, Seattle field station.

10/29/31

A(lfred) M(odesto) SOBIERALSKI
Assistant Chief, Division of Charts.

Eod, May 25, 1908.

Lieutenant-Commander, January 4, 1929.

Born, Brooklyn, N. Y., December 28, 1894; parents,
Antoni J. and Franciska Sobieralski; married, Enid Ireland;
education, Cornell University and Nautical Schoolship ST. MARY'S.

American Society of Civil Engineers; American Society
of Military Engineers; Seismological Society; American Geo-
graphical Society; Federal Club; Washington Society of En-
gravers; Committee on technical standards and photographic
surveys; Federal Board of Surveys and Maps; Committee on
Hydrographic and Topographic Surveys; American Marine Stand-
ards Committee (alternate) of American Society of Civil Engi-
neers.

FIELD ASSIGNMENTS

1908-1909, Wire drag party, Maine and Florida.

1909-1910, Ships McARTHUR and TAKU, hydrography and topogra-
phy, Alaska.

1910, Acting Executive officer, ship BACHE, combined opera-
tions, Delaware Bay.

1911-1912, Gravity, triangulation, telegraphic longitude, and
standardization of gravity instruments for Mexico.

1912-1915, Executive officer, ships McARTHUR, PATTERSON, and
GEDNEY, Alaska and Hawaiian Islands.

1916-1919, Commanding officer, MARINDUQUE and PATHFINDER,
Philippine Islands.

1919, Triangulation reconnaissance, Puget Sound.

1920-1921, Executive officer, SURVEYOR, Alaska.

1922, Commanding officer, WENONAH, Alaska, hydrography and
topography and first-order triangulation.

1923, Commanding officer, LYDONIA, Florida and North Carolina.

1924-1927, Commanding officer, SURVEYOR, Alaska.

OFFICE ASSIGNMENTS

June, 1927-June, 1928, Revision of regulations, Washington
office.

June-Nov., 1928, Chief, Section of Field Work, Washington of-
fice.

Nov., 1928---, Chief, Field Records Section and Assistant
Chief, Division of Charts.

12/22/31

Arthur) NEWTON STEWART
Ship GUIDE, Washington coast.

Enl, July 1, 1927.
Lieutenant (j. g.), July 3, 1930.

Born, Vermillion, Kansas, June 18, 1904; parents, "Mr. and Mrs. W. E. Stewart;" education, Vermillion high school, and BS in CE in 1927 at Kansas State College.

FIELD ASSIGNMENTS

1927, Training section.
1928, Ship EXPLORER, Alaska.
1929, Shore party, Alaska.
1930--- , Ship GUIDE, Washington coast.

OFFICE ASSIGNMENTS

None

10/14/31

ROBERT F(rancis) STORM

Cartographic Section, Division of Charts.

Eod, November 1, 1906.

Cartographic engineer, September 13, 1910.

Born, Washington, D. C., November 2, 1882; parents, Chris and Maggie (Lyn) Storm; married, Clare E. Douglas on September 27, 1905; education, grammar and Central High School, Washington, D. C., and Columbia University, Washington, D. C., 1900-1901.

FIELD ASSIGNMENTS

June 15-Aug. 15, 1920, ship BACHE (chief of party at Lewes, Delaware).

OFFICE ASSIGNMENTS

(Dates not supplied.)

Compilation and correction of charts; critical appraisal of data; recommendations for new editions; selection of important information for hand corrections and for the Notice to Mariners; and classification and indexing of all charting data, including letters, blue prints, maps, etc., under geographic headings for future reference.

September 13, 1910---, Senior cartographic engineer, Cartographic section, Division of Charts.

12/1/31

J(ames) B(atop) STUBBS

Senior Cartographic Engineer, Cartographic Section,
Division of Charts.

Eod, March 19, 1908.

Senior Cartographic Engineer, July 1, 1930.

Born, Galveston, Texas, April 25, 1878; parents, James B. and Janie (Allen) Stubbs; married Ada Gertrude Evans, 1910); education, grammar and high schools and United States Military Academy.

FIELD ASSIGNMENTS

Jan. 1-Oct. 31, 1918, Cartographer with Col. House's Inquiry; in charge drafting room, preparing maps, etc., for the U. S. Commission to Negotiate Peace.

Dec. 2, 1918-June 23, 1919, Expert cartographer with U. S. Commission to Negotiate Peace, Paris; in charge of draftsmen, preparing cartographic data for Commission.

OFFICE ASSIGNMENTS

March 19, 1908-June 30, 1924, Draftsman, Washington office.

July 1, 1924-June 30, 1928, cartographic draftsman, Washington office.

July 1, 1928---, Senior cartographic engineer, cartographic section, Division of Charts.

10/21/31

ROBERT F(rancis) A(nthony) STUDDS
Ship OCEANOGRAPHER

Eod, February 3, 1919
Lieutenant, September 27, 1929.

Born, Washington, D. C., December 17, 1896; parents,
Robert H. and Reresa B. Studds; married, Margaret Lee Milan;
education, BS in CE 1917 at Catholic University of America.

FIELD ASSIGNMENTS

1919-1922, Ship NATOMA.
1922-1923, Ship LYDONIA.
1923-1926, Ship PATHFINDER, Philippine waters.
1926, Launch ELSIE.
1927, Ship RANGER.
1928-1929, Launch ELSIE
1929, Shore party, Norfolk, Virginia.
1930--- , Ship OCEANOGRAPHER.

OFFICE ASSIGNMENTS

None

10/14/31

WALTER D(raper) SUTCLIFFE
Division of Geodesy

Eod, June 16, 1913
Mathematician, April 1, 1929.

Born, West Park, N. Y., July 17, 1891; parents, John H. and Amanda (Burger) Sutcliffe; married, Edna F. Krum, at Poughkeepsie, N. Y., November 18, 1915, one son, Draper Krum; education, Newburgh (N. Y.) Academy, 1908, and CE 1913 at Syracuse University.

Washington Academy of Sciences; Washington Society of Engineers; Philosophical Society of Washington; Tau Beta Pi Alumni Association of Washington; Syracuse University Alumni Association of Washington.

Author of various articles and publications, including: Precise Traverse, Racine, Wis., to Vandalia, Ill.; Precise Triangulation, Traverse and Leveling in North Carolina; Manual of First-Order Traverse.

FIELD ASSIGNMENTS

(Dates not supplies.)

Tide and current survey, Potomac River.

Ship HUKON, Kuskokwim River, Alaska.

Ship McARTHUR, Felice Strait and Revillagigedo Channel, Alaska.

Wire drag survey, Cape Cod Bay, Mass.

Tide and current survey, Long Island Sound.

Ship HYDROGRAPHER, Mississippi Sound (in charge shore party).

OFFICE ASSIGNMENTS

July 2, 1917----, Division of Geodesy Washington office; in charge computation traverse and base lines, filing system for triangulation and traverse data, and preparation of data and answering inquiries.

10/7/31

ORLANDO P(latt) SUTHERLAND
Division of Geodesy.

Eod, July 21, 1916.
Full mathematician, May 1, 1931.

Born, Springville, Indiana, April 20, 1889; parents, Edward D. and Mary M. Sutherland; married, Truley E. Watson; education, grammar and high schools, Valparaiso and Indiana universities (3 years).

Mason; Eastern Star.

Author of numerous articles and publications, including: Triangulation in Massachusetts; Triangulation in the Philippine Islands.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENTS

July 21, 1916-1927, Mathematician, Washington office.
1927-1929, Chief, computing section, Manila field station.
1929-May 1, 1931, Mathematician, Washington office.
May 1, 1931--- , Full mathematician, Division of Geodesy, Washington office.

11/23/31

OTIS WILLIAM SWAINSON

Commanding officer, ship PIONEER.

Eod, June 1, 1910.

Lieutenant-Commander, July 1, 1930.

Born, Pleasant Hill, Illinois, January 1, 1887; parents, Olof and Clara (Barton) Swainson; married, Bernice Lewis at Fort Collins, Colorado, November 9, 1912; education, West Denver high school and Colorado School of Mines, 1910.

Seismological Society of America; Military Engineers; American Society of Civil Engineers.

Author of various articles and publications, including: Topographic Manual, U. S. Coast and Geodetic Survey

FIELD ASSIGNMENTS

June, 1910-April, 1911, Deck officer GEDNEY (R. B. Derickson, commanding), vicinity Ketchikan, Alaska, and Tacoma, Wash.
May-Oct., 1911, Ship TAKU (G. T. Rude, commanding), general surveys, Prince William Sound, Alaska.
Nov., 1911-April, 1912, Washington office.
May-Oct., 1912, Ship TAKU (G. T. Rude, commanding), topography and hydrography, Prince William Sound, Alaska.
Nov., 1912-April, 1913, Ship PATTERSON (J. B. Miller, commanding), Hawaiian Islands, plotting smooth sheets.
May-Oct., 1913, Ship TAKU (G. T. Rude, commanding)
Jan., 1914-Nov., 1916, Ship RESEARCH (P. M. Trueblood, commanding), Philippine Islands, base line, topography, hydrography, and triangulation.
Feb., 1915-Nov., 1916, Commanding officer, RESEARCH, general surveys.
March, 1917, In charge party determining position of Radio Towers.
April-Sept., 1917, Chief of party, precise leveling, Texas.
Oct.-Dec., 1917, First Lieutenant, United States Coast Artillery, Fortress Monroe (discharged, physical disability).
Jan., 1918-April, 1920, Chief of party, topography, Virgin Islands.
May, 1920-Jan., 1921, Chief of party, resurveying Umpqua River, Oregon.
Feb.-Oct., 1921, Executive officer, LYDONIA (E. H. Pagenhart, commanding), deep sea sounding, California coast.
Nov., 1921-March, 1923, Commanding officer, NATOMA, San Francisco Bay, Calif.
June-Oct., 1923, Chief of wire drag party, Portland, Me.
Jan., 1924-Feb., 1927, Commanding officer, PATHFINDER, North Luzon and Sulu Sea, Philippine Islands.
June, 1927, Investigated reported shoal off Texas.
Feb., 1928---, Commanding officer, PIONEER, Pacific coast and Hawaiian Islands.

OFFICE ASSIGNMENTS

Nov., 1911-April, 1912, Computing and drafting division.
Nov.-Dec., 1913, Division Hydrography and Topography.
Dec., 1916-Feb., 1917, Division Hydrography and Topography.

OFFICE ASSIGNMENTS--Continued.

April-May, 1923, Division of Hydrography and Topography.

Nov.-Dec., 1923, Division of Hydrography and Topography.

March, 1927-Jan., 1928, Acting Chief, Division of Magnetism
during European absence of Chief of Division.

Master, unlimited tonnage, Jan., 1928.

11/18/31

LAWRENCE W(ilbur) SWANSON
Ship DISCOVERER, Pacific coast.

Eod, May 7, 1927.
Lieutenant (j. g.), July 3, 1930.

Born, Canon City, Colorado, November 26, 1904; parents,
Charles and Lillie May Swanson; married, Hazel Ruth Graves;
education, BS in CE, Colorado Agricultural College.

Scabbard and Blade; Sigma Chi.

FIELD ASSIGNMENTS

May 7-Aug. 20, 1927, Ship MIKAWA.
Sept. 2-Dec. 27, 1927, Ship RANGER.
Dec. 27, 1927-Jan. 30, 1929, Launch ELSIE.
July 23, 1929-Jan. 25, 1930, Shore party, Norfolk, Va.
March 26, 1930-April 3, 1931, Ship SURVEYOR.
April 3, 1931--- , Ship DISCOVERER.

OFFICE ASSIGNMENTS

Jan. 30-July 23, 1929; Jan. 25-March 12, 1930, Washington
office.

10/9/31

CLARENCE H(erbert) SWICK

Chief, Section of Gravity and Astronomy, Division of Geodesy.

Eod, July 1, 1907.

Senior Mathematician, July 1, 1930

Born, Wilson, New York, June 1, 1883; parents, Charles Edgar and Alice Maria (Dobbs) Swick; married, Hattie May Haight, June 18, 1908, children: Edgar Haight, Helen Marjorie, Eunice Reba, Alice May, and Eloise Adelaide; education, grammar and high schools at Wilson, N. Y., and CE at Cornell University.

Philosophical Society of Washington; Cornell Society of Eng.; Washington Society of Engineers; American Astronomical Society; American Geophysical Union (Secretary, Section of Geodesy, 1931--); Cornell Association of Washington.

Author of various articles and publications, including: Triangulation along the West Coast of Florida; Triangulation in Georgia, 1917; Description of Triangulation Stations in Georgia, 1917; Modern Methods for Measuring the Intensity of Gravity, 1921; World Longitude Determinations by the U. S. Coast and Geodetic Survey in 1926, 1931; First and second order triangulation in Oregon (1927 Datum); section on "Gravity Data" in International Critical Tables, Vol. I, 1926; chapter on "Determination of 'g' by means of free swinging pendulum" in Bulletin 78 of National Research Council, 1931; The force of gravity and methods of measuring it; Determining longitude by radio; Gravity determinations at sea; The figure of the earth from gravity measurements; and Recent progress in gravity determinations at sea.

FIELD ASSIGNMENTS

July, 1907-June, 1909, Wire drag party of N. H. Heck.

July-Dec., 1909, Gravity party of William H. Burger.

OFFICE ASSIGNMENTS

1910--Geodetic mathematician: computations of gravity, astronomy, triangulation, isostasy.

1912--In charge editorial work and proof of publications of division of geodesy.

1924--Chief, Section of Gravity and Astronomy, Division of Geodesy.

10/21/31

CHAS. M(itchell) THOMAS
Ship EXPLORER, Pacific coast.

Eod, January 5, 1922.
Lieutenant, July 3, 1930.

Born, Wytheville, Virginia, January 18, 1892; parents, Charles Benton and Elizabeth (Crockett) Thomas; married, Susie Lavinia Hurt; education, public and Wytheville, Va., Training School, and BS in CE at Virginia Polytechnic Institute.

American Society of Civil Engineers; Society of American Military Engineers; National Geodetic Society; National Sojourners; Heroes of '76.

Author of various articles and publications, including: Compass Surveying and the Simplified Calculation of Farm Areas (copyrighted, 1915); Thomas' Speed Chart (Copyrighted, 1919); and Simplified Time-Chart of the World (Patented, March 11, 1924).

FIELD ASSIGNMENTS

March-Dec., 1922, Launch WILDCAT, Icy Bay and El Capital Passage, Alaska.
March, 1923-March, 1925, Ship HYDROGRAPHER, Gulf coast.
May-Dec., 1925, First-order triangulation and levels, South Dakota.
July-Nov., 1926, First-order levels, South Dakota.
Dec., 1926-Feb., 1927, First-order levels and triangulation, Atlanta, Ga.
Feb.-Nov., 1927, First-order levels, Arizona, South and North Dakotas.
June-Nov., 1928, First-order levels and triangulation, Missouri and Arkansas.
June-Dec., 1929, First-order triangulation, Ohio, New York, and Pennsylvania.
Jan.-June, 1930, Base measurements, Cairo, Ill., to New Orleans, La.
Feb., 1931---, Ship EXPLORER, Pacific coast.

OFFICE ASSIGNMENTS

Jan.-March, 1922; March-May, 1925; Jan.-June, 1926; Dec., 1926; Dec., 1927-June, 1928; Jan.-June, 1929; July, 1930-Feb., 1931, Division of Geodesy, Washington office.

12/14/31

A(lvin) C(ecil) THORSON
Ship SURVEYOR, Pacific coast.

Eod, January 2, 1925.
Lieutenant (j. g.), December 27, 1926.

Born, Hatten, North Dakota, November 20, 1899; parents,
"Mr. and Mrs. Andrew Thorson;" education, grammar and high
schools at ~~Thorson~~, and BS in CE at University of North
Dakota. *Hatten*

Mason; Y. M. C. A.

FIELD ASSIGNMENTS

April, 1925-July, 1927, Ship RANGER, Virgin Islands, P. H.
July-Dec., 1927, Ship RANGER, East Coast, Norfolk, Va.-Cape
May, N. J.
Jan., 1928-April, 1930, Ship DISCOVERER, California coast,
San Diego, Long Beach, San Francisco, and north.
April, 1930---, Ship SURVEYOR, Seattle and Kodiak Island,
Alaska (In charge of Launch HELIANTHUS).

OFFICE ASSIGNMENTS

Jan.-April, 1925, Washington office.

10/30/31

JAMES D(ennis) THURMOND

Chief of Triangulation Party, East Coast.

Eod, September 11, 1925.

Lieutenant (j. g.), November 8, 1929.

Born, Senoia, Georgia, August 14, 1903; parents, Dennis and Minnie L. Thurmond; married, Marjorie S. Moore; education, BS in CE at Georgia School of Technology.

FIELD ASSIGNMENTS

(Dates not supplied.)

East coast "in H. and T.", one year.

Philippine Islands "in H. and T.", 2 years.

Geodesy (assignment and location and date not given), 2 years.

OFFICE ASSIGNMENTS

None

10/31/31

CLIFTON J(ames) WAGNER,
Ship PIONEER, Pacific coast.

Ecd, June 20, 1927.
Lieutenant (j. g.), July 16, 1930.

Born, Nansmond County, Virginia, March 23, 1906;
parents, E. E. and Eva H. Wagner; education, BS in CE at
Virginia Polytechnic Institute.

American Society of Civil Engineers; Society of Ameri-
can Military Engineers; National Geographic Society.

FIELD ASSIGNMENTS

June 20-Sept. 10, 1927, Ship MIKAWA.
Sept. 30, 1927-Jan. 4, 1928, Ship (Old) HYDROGRAPHER.
Jan. 17-Feb. 3, 1928, Ship PIONEER.
Feb. 4, 1928-March 31, 1930, Ship DISCOVERER
April 1, 1930--- , Ship PIONEER, Junior officer.

OFFICE ASSIGNMENTS

None

10/30/31

H(enry) C(aperton) WARWICK
Ship EXPLORER, southeast Alaska

Eod, April 26, 1919
Lieutenant, July 3, 1930.

Born, Fire Creek, West Virginia, September 18, 1896;
parents, William Massie and Jane Erskine (Caperton) Warwick;
married, Dorothy May; education, BS in CE at North Carolina
State College.

FIELD ASSIGNMENTS

May-Nov., 1919, Ships ARCTURUS AND LYDONIA.
Nov., 1919-Nov., 1920, Precise levels (location not stated).
April-Nov., 1921, First-order triangulation, Puget Sound,
Launch AUDWIN.
Jan.-March, 1922, Shore party, Willapa, Wash.
March-Dec., 1922, Ship EXPLORER, first and third order trian-
gulation and wire drag.
Jan., 1923-Sept., 1924, Ship MARINDUQUE, combined surveys,
Philippine Islands.
Feb., 1925-Jan., 1927, Ship LYDONIA, Florida and North Carolina
Feb., 1927-March, 1930, Ship GUIDE, Washington and Hawaii.
March, 1930--- , Ship EXPLORER, southeast Alaska.

Jan.-April, 1921, Washington office, triangulation computations
Nov., 1921-Jan., 1922, Seattle field station, triangulation
computations.

10/8/31

CLARENCE C(onrad) WEIDEMANN
Editor

Ed., September 18, 1929.
Editor, September 18, 1929.

Born, Washington, D. C., November 2, 1880; parents, John and Margaretha Weidemann; married, Mabel Stewart in 1911, one daughter, Janet S.; education, grammar and high schools, Washington, D. C., and 3½ years in medicine at George Washington University.

Mason; Phi Chi (Medical); Philosophical Society of Washington. *National Aquarium Society*

First entered Federal service February 29, 1904, in the Office of the Secretary of Commerce (and Labor), resigning as Assistant Chief Clerk of the Department in 1920; reinstated in 1921 as Chief of the Personnel Division and Assistant Chief Clerk, Bureau of Foreign and Domestic Commerce; resigned January 3, 1926, to become general manager of The Finance and Investment Corporation, engaged in the purchase of real estate mortgages; reinstated in Office of the Secretary of Commerce early in 1929, as investigator in personnel matters.

Author of miscellaneous press releases and feature articles for magazines.

FIELD ASSIGNMENTS

None

OFFICE ASSIGNMENT

Editor, September 18, 1929.

10/31/31

MAURICE E(Lmer) WENNERMARK
Ship SURVEYOR, Pacific coast

Eod, September 14, 1928
Lieutenant (j. g.), July 2, 1931.

Born, Pueblo, Colorado, January 17, 1904; parents,
Charles A. and Hilma C. Wennermark; education, BS in CE
(civil and irrigational engineering) at Colorado Agricultural
College.

Alpha Tau Omega; Scabbard and Blade.

FIELD ASSIGNMENTS

(Dates, designations, and locations not supplied.)

Training section.

Florida, east coast.

Delaware coast

Tides and currents, Narragansett Bay and Block Island Sound.

Southwest Alaska.

OFFICE ASSIGNMENTS

Oct., 1930-Feb., 1931, Division of Tides and Currents.

12/19/31

PAUL CLINTON WHITNEY

Chief, Division of Tides and Currents.

Eod, October 17, 1902.

Captain, July 1, 1930.

Born, Washington, D. C., August 28, 1882; parents, Arthur P. and Margaret J. (Milburn) Whitney; education, grammar and high schools and George Washington University, Washington, D. C.

American Society of Civil Engineers; American Military Engineers; Washington Society of Engineers; Cosmos Club; Philosophical Society of Washington; American Geographical Society; Commonwealth Club of California; Federal Club; Mason; Sojourners; Heroes of '76.

Author of various feature articles and publications, including Coast Pilots, etc.

FIELD ASSIGNMENTS

1903-1904, Junior officer, ship PATTERSON

1905, Magnetic observer, first cruise of the non-magnetic yacht GALILEE of Carnegie Institution of Washington.

1906, Officer, ship PATTERSON.

1907, Executive officer, ship McARTHUR.

1908, Executive officer, ship GEODESY.

1909, Executive officer, ship PATTERSON.

1910-1911, Commanding officer, ship MARINDUQUE

1911-1915, Executive officer, ship BACHE and Commanding officer, ship (old) HYDROGRAPHER.

1915, Commanding officer, ship OSIS.

1915-1917, Commanding officer, ship BACHE

1917-1919, Lieutenant and Lieutenant-Commander, U. S. Navy.

OFFICE ASSIGNMENTS

1919-1925, Chief, Coast Pilot Section.

1925-1928, Inspector in Charge, San Francisco field station.

August, 1928---, Chief, Division of Tides and Currents.

11/7/31

L(eo) C(lark) WILDER

Chief of Training Section, aboard ship OCEANOGRAPHER.

Eod, November 26, 1915 (Out of service 11/6/19--7/20/21.)
Lieutenant, July 3, 1930.

Born, Wilmington, Vermont, January 17, 1895; parents, Jessie M. and Charles O. Wilder; education, through sophomore year in civil engineering at University of Vermont.

Seismological Society of America

Author of revised Inside Route Pilot, Atlantic coast, New York to Key West, edition of ?

FIELD ASSIGNMENTS

Nov., 1915-Feb., 1918, Junior officer, ships HYDROGRAPHER, ISIS, EXPLORER, and PATTERSON, Atlantic coast and Alaska.
April-Nov., 1919, Junior officer, ship NATOMA, Pacific coast.
Sept., 1917-Feb., 1919, United States Naval Reserve, World War, ships PATTERSON, USS NORTHERN PACIFIC, USS RONDO, and USS WABASH. Became lieutenant; was executive officer USS Wabash.
Aug., 1921-June, 1925, Junior officer, ships SURVEYOR, PIONEER, and BACHE, Alaska, Gulf, and Atlantic coasts.
June-Dec., 1925, In charge launch MIKAWA, Atlantic coast.
March-Dec., 1926, Revising inside route pilot, New York to Key West.
Feb., 1927-March, 1929, Commanding officer, ship MARINDUQUE, Philippine Islands.
March, 1930---, Chief of Training Section aboard ship OCEANOGRAPHER.

OFFICE ASSIGNMENTS

Dec., 1925-Dec., 1926, Washington office, work on field sheets and revising Inside Route Pilot, New York to Key West.
April, 1929, Acting Director, Manila field station.
Nov., 1929-Feb., 1930, Washington office, Division of Magnetism and Seismology.

12/15/31

MAX O(rville) WITHERBEE

En route Washington office from Philippine Islands.

Ecd, June 1, 1916

Lieutenant, July 27, 1920.

Born, Denver, Colorado, March 6, 1893; parents, Lee E. and Annie R. (Kuner) Witherbee; married, Grace M. Bateman on January 23, 1919, children Anne and Ruth Maxine; education, grammar and high schools at Denver, Holyoke and Brighton, Colorado and BS in CE 1916 at Colorado Agricultural College at Fort Collins.

Brighton Lodge F. & A. M. #78 Colorado; Scottish Rite Masons 32^o; Shrine (El Jebel, Denver).

FIELD ASSIGNMENTS

- June, 1916, Wire drag party of R. S. Patton, Cape Flattery, Wash.
- July-Sept., 1916, on furlough, serving with Colorado National Guard.
- Sept., 1916-July, 1917, Junior officer, ship MATCHLESS, North Carolina coast.
- July-Sept., 1917, Junior officer, ship HYDROGRAPHER, Mississippi.
- Sept. 24, 1917-Jan. 12, 1919, War service, Coast Artillery Corps, with reserve commission as second lieutenant. Served in France with anti-aircraft artillery.
- Feb.-May, 1919, Shore party of E. B. Latham, California.
- June, 1919-March, 1920, Second officer, ship MARINDUQUE, Philippine Islands.
- April-Oct., 1920, Second officer, ship FATHOMER, Philippines.
- Nov., 1920-Feb., 1921, Commanding ships MARINDUQUE and ROMBLON while laid up.
- March-Sept., 1921, Second officer, ship MARINDUQUE, Philippine Islands.
- Feb., 1922-Feb., 1923, Executive officer, ship NATOMA, San Francisco Bay.
- March, 1923-March, 1925, Second officer, ship DISCOVERER, Alaska and California coasts.
- April, 1925-Feb., 1927, Second officer, NATOMA, Alaska and Washington coasts.
- March-May, 1927, In charge party of ship GUIDE, traverse and topography, Washington.
- May, 1927-Jan., 1928, Executive officer, ship GUIDE, Washington
- Sept., 1928, Trial of new type of fathometer on ship NATOMA, New Jersey coast.
- Jan.-June, 1929, Installation, experimentation, and operation of new type fathometers on ships RANGER and NATOMA, east coast of Florida.
- Oct., 1929-Sept., 1931, In charge of fathometer work in Philippine Islands, ships PATHFINDER, FATHOMER, and MARINDUQUE.

MAX O(rville) WITHERBEE-2

OFFICE ASSIGNMENTS

Feb.-June, 1928, Washington office

July-Aug., 1928; Oct.-Dec., 1928; and July, 1929, Wash-
ton office, fathometer experiments.

10/22/31

R(alph) W(oglon) WOODWORTH

Chief of party, second-order triangulation, New York City

Eod, July 12, 1919.

Lieutenant, July 3, 1930.

Born, Brooklyn, New York, January 12, 1899; parents, Chester and Harriet Louise Woodworth; married, Kathryn E. Terrasse; education, public schools and engineering college.

Phi Kappa Psi; Tau Delta Sigma; Aero Club of America Pilot License No. 4943 (1921); American Society of Civil Engineers (1925); Mate's license, unlimited; Treasury Department life-saving medal (s) and one other (1924); Diving and underwater work (30 hours) on ships and launches and 150 hours flying time.

Author of various articles and publications, including: Tides, Southeast Alaska (1926); Mississippi Flood (1927); Hunting and Travel stories in Outdoor Life, Forest and Stream, Sports Afield, etc. (1925-1927).

FIELD ASSIGNMENTS

- 1919, Shore party, wire drag, Block Island Sound.
- 1920-1921, Junior officer, ships RANGER and HYDROGRAPHER, Gulf of Mexico coast.
- 1921-1922, Junior officer, ship RANGER, wire drag (in charge of launch), Porto Rico and Virgin Islands.
- 1922, Junior officer, ships DISCOVERER and OCEANOGRAPHER, Norfolk and San Diego.
- 1922, Junior officer, ships DISCOVERER and HYDROGRAPHER, southern California coast.
- 1923, Junior officer, ship PIONEER, triangulation and topography, southwest Alaska.
- 1924, Junior officer, ship SURVEYOR, southeast Alaska.
- 1925, Chief of shore party, combined operations, Hawaii.
- 1925, Chief of shore party, tides and currents, southeast Alaska.
- 1926, Chief of shore party, tides and currents, Boston and Portsmouth.
- 1927, Second officer, ship LYDONIA, South Carolina coast.
- 1927, Air observer, Bureau of Lighthouses, Mississippi River.
- 1927-1928, Executive officer, ship NATOMA, Puget Sound.
- 1928-1930, Executive officer, ship PATHFINDER, Philippines.
- 1930---, Chief of shore party, second-order triangulation, New York City.

OFFICE ASSIGNMENTS

- Nov., 1925-April, 1926, Washington office, preparing "Tides, Southeast Alaska."
- Oct., 1926-Jan., 1927, Division of Tides and Currents.
- July, 1930, Triangulation work, Washington office.

10/8/31

LOUIS M(morris) ZESKIND

Cartographic Section, Division of Charts.

Eod, April 1, 1919.

Cartographic Engineer, July 1, 1926.

Born, Baltimore, Maryland, December 25, 1896; parents, Morris and Anna Zeskind; married, Ida May Denaburg; education, BS in CE 1918 at Johns Hopkins University and Engineer of Tests, Carnegie Institute of Technology.

Washington Society of Engineers; Johns Hopkins University Alumni Association; Mason.

Author of Instructions for Tidal Current Surveys;
Co-author of Tides and Currents, Delaware Bay and River.

FIELD ASSIGNMENTS

1919, Wire drag work, Block Island Sound.

1920-1921, Combined operations, San Francisco Bay and Umpqua River (ship not named).

1922-1923, Combined operations, Philippine Islands.

1924, Combined operations, Baltimore Harbor.

1924-1925, Tide and current surveys, Delaware Bay and southeast Alaska.

1926, Combined operations, Tampa Bay, Florida.

OFFICE ASSIGNMENTS

Cartographic engineer from 1926, Division of Charts.