## MEMBERS OF THE SOCIETY.

## JANUARY 1, 1903.

	te of	Life members are designated by *.
1892,	Nov.	ABBE, CLEVELAND, B.Sc., M.A., Ph.D., LL.D.; Member of the National Academy of Sciences; Member of the Astronomische Gesellschaft; F.R.A.S.; Member of the Deutsche Mathematiker-Vereinigung; Editor of the Monthly Weather Review; Professor of Meteorology, U. S. Weather Bureau; Professor of Meteorology, Columbian University, Washington, D. C.; Lecturer in Meteorology, Johns Hopkins University, Baltimore, Md. U. S. Weather Bureau, Washington, D. C.
1891,	Nov.	ALEY, ROBERT JUDSON, M.A., Ph.D. (Pennsylvania); Member of the London Mathematical Society; Member of the Deutsche Mathematiker-Vereinigung; Member of the Edinburgh Mathematical Society; Professor of Mathematics, University of Indiana, Bloomington, Ind. 203 Forest Place.
1901,	Dec.	ALLARDICE, ROBERT EDGAR, M.A.; Fellow of the Royal Society of Edinburgh; Member of the Edinburgh Mathematical Society; Professor of Mathematics, Stanford University, Cal.
1897,	Dec.	ALLEN, JOSEPH, M.A., Instructor in Mathematics, College of the City of New York. 162 East 79th Street, New York, N. Y.
1901,	Dec.	Andrews, Grace, B.Sc., Ph.D. (Columbia). 125 East 57th Street, New York, N. Y.
1901,	Oct.	Ashton, Charles Hamilton, M.A.; Instructor in Mathematics, Harvard University, Cambridge, Mass. 31  Maple Avenue.
1891,	June	BAKER, ALFRED, M.A.; Fellow of the Royal Society of Canada; Member of the Societé Mathématique de France; Professor of Mathematics, University of Toronto, Toronto, Canada.
1891,	Feb.	BAKER, ARTHUR LATHAM, C.E., Ph.D.; Professor of Mathematics, Manual Training High School, Brooklyn, N. Y.

- 1891, Apr. Baker, Marcus, M.A.; Editor of the Proceedings of the Washington Academy of Sciences; Cartographer, U. S. Geological Survey, Washington, D. C.
- 1902, Oct. Ball, Sir Robert Stawell, LL.D., D.Sc.; F.R.S.; Fellow of the Cambridge Philosophical Society; Fellow of the Royal Society of Edinburgh; Member of the Royal Irish Academy; F.R.A.S.; Lowndean Professor of Astronomy and Geometry in the University of Cambridge and Director of the Observatory. The Observatory, Cambridge, England.
- 1894, Oct. BARNUM, CHARLOTTE CYNTHIA, B.A., Ph.D. (Yale); U. S. Coast and Geodetic Survey, Washington, D. C.
- 1892, Apr. BARTON, SAMUEL MARX, B.A., Ph.D.; Professor of Mathematics, University of the South, Sewanee, Tenn.
- 1891, Apr. Bass, Edgar Wales, Graduate of the U. S. Military
  Academy; Colonel U. S. Army, retired. 77 Park
  Avenue, New York, N. Y.
- 1900, Dec. BAUER, GEORGE NEANDER, M.Sc., Ph.D. (Columbia);
  Instructor in Mathematics, University of Minnesota,
  Minneapolis, Minn.
- 1899, Dec. BEEBE, WILLIAM, M.A.; Professor of Mathematics, Yale University, New Haven, Conn. 262 Bradley Street.
- 1891, Apr. Beman, Wooster Woodruff, M.A.; Member of the London Mathematical Society; Member of the Deutsche Mathematiker-Vereinigung; Professor of Mathematics, University of Michigan, Ann Arbor, Mich. 813 East Kingsley Street.
- 1901, Oct. Benedict, Harry Yandell, M.A., Ph.D. (Harvard);
  Adjunct Professor of Mathematics and Astronomy,
  University of Texas, Austin, Texas.
- 1900, Dec. Benton, John Robert, B.A., B.Sc., Ph.D. (Göttingen).

  1000 M Street N. W., Washington, D. C.
- 1897, Feb. \*Berry, Arthur, M.A.; Member of the London Mathematical Society; Fellow of the Cambridge Philosophical Society; F.R.A.S.; Fellow and Assistant Tutor in Mathematics, King's College, Cambridge, England.
- 1902, Apr. BIKLÉ, CHARLES EARL, M.A.; Adjunct Professor of Mathematics, Teachers College, Columbia University, New York, N. Y.
- 1891, Dec. BLAKE, EDWIN MORTIMER, E.M., Ph.D. (Columbia);
  Member of the Société Mathématique de France; Instructor in Mathematics, University of California,
  Berkeley, Cal. 1910 Addison Street.

Date of

- 1900, Dec. BLICHFELDT, HANS FREDERIK, M.A., Ph.D. (Leipsic);
  Assistant Professor of Mathematics, Stanford University, Cal.
- 1900, Dec. BLISS, GILBERT AMES, B.A., M.Sc., Ph.D. (Chicago);
  Member of the Deutsche Mathematiker-Vereinigung;
  Instructor in Mathematics, University of Minnesota,
  Minneapolis, Minn. Weender Chaussee 5, Göttingen,
  Germany.
- 1892, Apr. Bôcher, Maxime, B.A., Ph.D. (Göttingen); Member of the Deutsche Mathematiker-Vereinigung; Editor of the Annals of Mathematics; Assistant Professor of Mathematics, Harvard University, Cambridge, Mass. 14

  Avon Street.
- 1899, Oct. Bogarte, Martin Eugene, M.A.; Professor of Mathematics, Northern Indiana Normal School, Valparaiso, Ind. College Avenue and Locust Street.
- 1891, Nov. Bolza, Oskar, Ph.D. (Göttingen); Member of the Deutsche Mathematiker-Vereinigung; Professor of Mathematics, University of Chicago, Chicago, Ill.
- 1898, Dec. BOUTON, CHARLES LEONARD, M.Sc., M.A., Ph.D. (Leipsic); Member of the Deutsche Mathematiker-Vereinigung; Associate Editor of the Transactions of the American Mathematical Society; Instructor in Mathematics, Harvard University, Cambridge, Mass. 503

  Craigie Hall.
- 1900, Dec. Bowden, Joseph, B.A., Ph.D. (Yale); Professor of Mathematics, Adelphi College, Brooklyn, N. Y. 18 Clifton Place.
- 1891, June BOWSER, EDWARD ALBERT, C.E., LL.D.; Professor of Mathematics, Rutgers College, New Brunswick, N. J.
- 1902, Feb. Brand, Edward, M.A.; Professor of Mathematics, Howard College, East Lake, Ala.
- 1901, Dec. Brasefield, Stanley Eugene, C.E., M.Sc.; Instructor in Mathematics and Graphics, Lafayette College. Easton, Pa. 327 Center Street.
- 1902, Sept. Bromwich, Thomas John I'anson, M.A.; Member of the London Mathematical Society; Fellow of the Cambridge Philosophical Society; Member of the Deutsche Mathematiker-Vereinigung; Professor of Mathematics, Queen's College, Galway; Examiner in Mathematics, Royal University of Ireland; Fellow of St. John's College, Cambridge, England. Queen's College, Galway, Ireland.

- 1901, Dec. Brooke, William Ellsworth, B.C.E., M.A.; Instructor in Mathematics, University of Minnesota, Minneapolis, Minn.
- 1891, June Brooks, John Milton, M.A.; U. S. Coast and Geodetic Survey, Washington, D. C.
- 1893, Dec. Brown, Edward Leroy, M.A.; Principal of the North Side High School, Denver, Col. 2623 West 27th Avenue.
- 1892, Feb. \*Brown, Ernest William, M.A., Sc.D. (Cambridge);
  F.R.S.; Member of the London Mathematical Society;
  Fellow of the Cambridge Philosophical Society;
  F.R.A.S.; Editor of the Transactions of the American
  Mathematical Society; Professor of Mathematics,
  Haverford College, Haverford, Pa.
- 1900, Oct. Brown, George Lincoln, M.Sc., Ph.D. (Chicago); Professor of Mathematics and Astronomy, South Dakota Agricultural College, Brookings, South Dakota.
- 1902, Sept. \*Brown, J. Stanford, Ph.B., M.A.; New York Realty and Trust Company, 489 5th Avenue, New York, N. Y.
- 1899, Aug. \*Bullard, Warren Gardner, B.A., Ph.D. (Clark);
  Member of the Deutsche Mathematiker-Vereinigung;
  Associate Professor of Mathematics, Syracuse University, Syracuse, N. Y. 722 Irving Avenue.
- 1891, June Bullis, Abram Rogers, B.Sc., B.C.E. Macedon, Wayne County, N. Y.
- 1891, Apr. BYERLY, WILLIAM ELWOOD, M.A., Ph.D. (Harvard); Editor of the Annals of Mathematics; Professor of Mathematics, Harvard University, Cambridge, Mass. 39 Hammond Street.
- 1891, June CAIN, WILLIAM, C.E., M.A.; Professor of Mathematics, University of North Carolina, Chapel Hill, N. C.
- 1899, Apr. CAJORI, FLORIAN, M.Sc., Ph.D.; Member of the Deutsche Mathematiker-Vereinigung; Professor of Mathematics, Colorado College, Colorado Springs, Colo. 1119

  Wood Avenue.
- 1900, Dec. CAMPBELL, DONALD FRANCIS, Ph.D. (Harvard); Associate Professor of Mathematics, Armour Institute of Technology, Chicago, Ill.
- 1897, Oct. Capron, Paul, M.A.; Teacher of Mathematics, Dummer Academy, South Byfield, Mass.
- 1896, Apr. Chace, Arnold Buffum, M.A., D.Sc. (Brown). Valley Falls, R. I.

- 1891, May Chandler, Charles Henry, M.A.; Professor of Mathematics, Ripon College, Ripon, Wis.
- 1895, Nov. Chessin, Alexander S., M.A., C.E., Ph.D.; Professor of Mathematics, Washington University, St. Louis, Mo.
- 1895, Nov. Chittenden, J. Brace, B.Sc., M.A., Ph.D. (Königsberg);
  Professor of Mathematics, Brooklyn Polytechnic Institute, Brooklyn, N. Y.
- 1891, Apr. Clark, John Emory, M.A.; Emeritus Professor of Mathematics, Yale University, New Haven, Conn. 34
  South Park Terrace, Longmeadow, Mass.
- 1900, Dec. Clarke, John Eastman, B.A., Ph.D. (Boston); Principal of the Gilbert School, Winsted, Conn.
- 1896, Sept. Clutz, Frank Hollinger, B.A., Ph.D. (Johns Hopkins);
  Civil Engineer, Union Pacific Railroad, Kansas City,
  Mo. Atchison, Kans.
- 1902, Dec. Coble, Arthur B., M.A., Ph.D. (Johns Hopkins); Instructor in Mathematics, University of Missouri, Columbia, Mo.
- 1893, Feb. Cohen, Abraham, B.A., Ph.D. (Johns Hopkins); Coeditor of the American Journal of Mathematics; Associate in Mathematics, Johns Hopkins University, Baltimore, Md.
- 1891, Apr. Cole, Frank Nelson, B.A., Ph.D. (Harvard); Editor of the Bulletin of the American Mathematical Society;
  Professor of Mathematics, Columbia University, New York, N. Y.
- 1899, Dec. Collins, Joseph Victor, Ph.B., Ph.D.; Teacher of Mathematics, State Normal School, Stevens Point, Wis. 217 Division Street.
- 1898, Feb. Comstock, Elting Houghtaling, B.Sc.; Principal of High School, Houghton, Mich. P. O. Box 221.
- 1892, Oct. Conant, Levi Leonard, M.A., Ph.D.; Editor of the Journal of the Worcester Polytechnic Institute; Professor of Mathematics, Worcester Polytechnic Institute, Worcester, Mass.
- 1900, Dec. Conoscente, Euplio, B.Sc., Math.D. (Palermo); Member of the Circolo Matematico di Palermo. Newark, N. J. 2 Cottage Street.
- 1900, June COOLIGGE, JULIAN LOWELL, B.A., B.Sc.; Instructor in Mathematics, Harvard University, Cambridge, Mass.

  10 Craigie Street.

- 1902, Dec. | CORNISH, WILLIAM AARON, B.A.; Instructor in Mathematics, State Normal School, Cortland, N. Y. 2

  Stewart Place.
- 1900, Dec. CRATHORNE, ARTHUR R., B.A.; Instructor in Mathematics, University of Wisconsin, Madison, Wis.

  University Heights.
- 1891, Apr. Crawley, Edwin Schofield, B.Sc., Ph.D.; Member of the Deutsche Mathematiker-Vereinigung; Thomas A. Scott Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa.
- 1891, Dec. Cunningham, Susan J., Professor of Mathematics and Astronomy, Swarthmore College, Swarthmore, Pa.
- 1900, Dec. Curjel, Harald Worthington, M.A.; Member of the London Mathematical Society. Birkdale, Southport, Lancashire, England. 18 Welbeck Road.
- 1902, Feb. Curtiss, David Raymond, M.A. 48 Irving Street, Cambridge, Mass.
- 1900, Oct. Davis, Charles Henry, C.E.; Consulting Engineer. 25

  Broad Street, New York, N. Y.

  1891, Apr. Davis, Ellery Williams, B.Sc., Ph.D. (Johns Hop-
  - Apr. Davis, Ellery Williams, B.Sc., Ph.D. (Johns Hopkins); Professor of Mathematics and Dean of the College of Literature, Science and the Arts, University of Nebraska, Lincoln, Neb.
- 1891, Apr. Davis, Nathaniel French, M.A., LL.D.; Professor of Pure Mathematics, Brown University, Providence, R. I. 159 Brown Street.
- 1900, Dec. Defoe, Luther Marion, Assistant Professor of Mathematics, University of Missouri, Columbia, Mo.
- 1891, May DELONG, IRA MITCHELL, M.A.; Professor of Mathematics, University of Colorado, Boulder, Colo. 1341 Broadway.
- 1895, Jan. Delury, Alfred Tennyson, B.A.; Associate Professor of Mathematics, University of Toronto, Toronto, Can.
- 1892, Jan. Dennett, William Sawyer, B.A., M.D. 8 East 49th Street, New York, N. Y.
- 1896, Nov. Dickson, Leonard Eugene, B.Sc., M.A., Ph.D. (Chicago); Member of the London Mathematical Society; Associate Editor of the Transactions of the American Mathematical Society; Editor of the American Mathematical Monthly; Assistant Professor of Mathematics, University of Chicago, Chicago, Ill.

- 1897, Apr. Dowling, Linnæus Wayland, Ph.D. (Clark); Assistant Professor of Mathematics, University of Wisconsin, Madison, Wis. University Heights.
- 1901, Feb. DOWNEY, JOHN F., C.E., M.Sc., M.A.; Professor of Mathematics, University of Minnesota, Minneapolis, Minn.
- 1902, Apr. Duke, Frank Williamson, B.A.; Professor of Mathematics, Hollins Institute, Hollins, Va.
- 1902, Oct. Dunkel, Otto, M.E., M.A., Ph.D. (Harvard); Instructor in Mathematics, Wesleyan University, Middletown, Conn.
- 1891, Apr. Durell, Fletcher, B.A., PhD.; Master in Mathematics, Lawrenceville School, Lawrenceville, N. J.
- 1891, Apr. Durfee, William Pitt, B.A., Ph.D. (Johns Hopkins);
  Professor of Mathematics and Dean of the Faculty,
  Hobart College, Geneva, N. Y. 639 Main Street.
- 1900, Dec. Easton, Burton Scott, B.Sc., Ph.D. (Pennsylvania); Instructor in Mathematics, University of Pennsylvania, Philadelphia, Pa. 224 South 43d Street.
- 1891, Apr. Echols, William Holding, B.Sc.; Professor of Mathematics, University of Virginia, Charlottesville, Va.
- 1891, Apr. Eddy, Henry Turner, C.E., M.A., Ph.D., LL.D.; Professor of Engineering and Mechanics, University of Minnesota, Minneapolis, Minn. 916 Sixth Street, S. E.
- 1896, Dec. Edmondson, Thomas William, B.A., Ph.D. (Clark);
  Assistant Professor of Physics, New York University,
  University Heights, New York, N. Y.
- 1902, Sept. Edwards, George Cunningham, Ph.B.; Associate Professor of Mathematics, University of California, Berkeley, Cal.
- 1897, Feb. EIESLAND, JOHN, B.Ph., Ph.D. (Johns Hopkins); Professor of Mathematics, Thiel College, Greenville, Pa.
- 1894, June EIMBECK, WILLIAM; Assistant in the U. S. Coast and Geodetic Survey, Washington, D. C.
- 1900, Dec. EISENHART, LUTHER PFAHLER, B.A., Ph.D. (Johns Hopkins); Instructor in Mathematics, Princeton University, Princeton, N. J. 63 Little Hall.
- 1898, Feb. \*Elliott, Edwin Bailey, M.A.; F.R.S.; Member of the London Mathematical Society; F.R.A.S.; Wayneflete Professor of Pure Mathematics and Fellow of Mag-

dalen College, Oxford, England.

1891, May Ely, Achsah Mount, B.A.; Professor of Mathematics, Vassar College, Poughkeepsie, N. Y.

4 Bardwell Road.

Date Admis		
1896,	Nov.	EMCH, ARNOLD, M.Sc., Ph.D. (Kansas); Assistant Professor of Pure and Applied Mathematics, University of Colorado, Boulder, Col.
1898,	Apr.	ENGBERG, CARL CHRISTIAN, B.Sc., M.A., Ph.D. (Nebraska); Instructor in Mathematics, University of Nebraska, Lincoln, Neb.
1892,	Mar.	ENGLER, EDMUND ARTHUR, M.A., Ph.D., LL.D.; President of the Worcester Polytechnic Institute, Worcester, Mass. 11 Boynton Street.
1898,	Oct.	ESCOTT, EDWARD BRIND, M.Sc.; Instructor in Mathematics, University of Michigan, Ann Arbor, Mich. 718 Monroe Street.
1901,	Dec.	ESTY, THOMAS CUSHING, M.A.; Professor of Mathematics, University of Rochester, Rochester, N. Y.
1891,	May	ESTY, WILLIAM COLE, LL.D.; Professor of Mathematics and Astronomy, Amherst College, Amherst, Mass.
1899,	Feb.	FAUGHT, JOHN BROOKIE, M.A., Ph.D.; Professor of Mathematics, Michigan Northern State Normal School, Marquette, Mich. 211 East Hewitt Avenue.
1901,	Feb.	FERRY, FREDERICK CARLOS, M.A., Ph.D. (Clark); Professor of Mathematics and Dean of the Faculty, Williams College, Williamstown, Mass.
1900,	June	FIELD, PETER, M.Sc., Ph.D. (Cornell); Professor of Mathematics and Astronomy, Carthage College, Car- thage, Ill.
1891,	May	FIELDS, JOHN CHARLES, Ph.D. (Johns Hopkins); Member of the Société Mathématique de France; Special Lecturer in Mathematics, University of Toronto, Toronto, Canada. 62 Sussex Avenue.
1901,	Oct.	FINDLAY, WILLIAM, M.A., Ph.D. (Chicago); Tutor in Mathematics, Columbia University, New York, N. Y.
1891,	May	Fine, Henry Burchard, M.A., Ph.D. (Leipsic); Professor of Mathematics, Priceton University, Princeton, New Jersey.
1891,	June	FINKEL, BENJAMIN FRANKLIN, M.A., M.Sc.; Member of the London Mathematical Society; Editor of the American Mathematical Monthly; Professor of Mathematics and Physics, Drury College, Springfield, Mo. 1997. Clay. Street.

1227 Clay Street.

1899,

Feb. FISHBURNE, EDWARD BELL, JR., Ph.B., M.A.; President

of the Hoge Military Academy, Blackstone, Va.

- 1895, Jan. Fisher, Irving, B.A., Ph.D. (Yale); Professor of Political Economy, Yale University, New Haven, Conn.
  460 Prospect Street.
- 1888, Nov. Fiske, Thomas Scott, M.A., Ph.D. (Columbia); Member of the London Mathematical Society; Editor of the *Transactions of the American Mathematical Society;* Professor of Mathematics, Columbia University, New York, N. Y.
- 1897, Feb. Fitch, Annie Louise Mackinnon (Mrs. Edward), M.Sc., Ph.D. Clinton, N. Y.
- 1901, Oct. Fite, William Benjamin, Ph.D. (Cornell); Instructor in Mathematics, Cornell University, Ithaca, N. Y.

  110 Cook Street.
- 1894, Oct. Flowers, Robert Lee, Graduate of the U. S. Naval Academy; Professor of Mathematics, Trinity College, Durham, N. C.
- 1900, Feb. Focke, Anne Bosworth, B.Sc., Ph.D. (Göttingen). 106 Cutler Street, Cleveland, O.
- 1900, Apr. FORD, ROBERT DALE, M.Sc.; Professor of Mathematics, St. Lawrence University, Canton, N. Y.
- 1899, Aug. \*FORD, WALTER B., M.A.; Instructor in Mathematics, University of Michigan, Ann Arbor, Mich. 718 Monroe Street.
- 1899, Dec. FORSYTH, ANDREW RUSSELL, Sc.D. (Cambridge, Dublir Victoria), LL.D.; F.R.S.; Corresponding Associate of the Reale Instituto Lombardo; Member of the London Mathematical Society; Member of Cambridge Philosophical Society; F.R.A.S.; Sadlerian Professor of Pure Mathematics and Fellow of Trinity College, Cambridge University, Cambridge, England.
- 1893, Dec. Frankland, Frederick William, F.I.A.; Member of the Actuarial Society of America; Associate Actuary of the New York Life Insurance Company. 346

  Broadway, New York, N. Y.
- 1892, Dec. Franklin, Fabian, Ph.B., Ph.D. (Johns Hopkins);

  Member of the London Mathematical Society. 1507

  Park Avenue, Baltimore, Md.
- 1897, Mar. Freei and, William, B.A. 27 West 44th Street, New York, N. Y.
- 1895, Nov. FRIZELL, ARTHUR BOWES, M.A.; Instructor in Mathematics, Harvard University, Cambridge, Mass. 1200

  Massachusetts Avenue.

- 1892, Oct. Gable, George Daniel, M.A., Ph.D.; Hunt Professor of Mathematics, Parsons College, Fairfield, Iowa.
- 1899, Oct. GALE, ARTHUR SULLIVAN, B.A., Ph.D. (Yale); Instructor in Mathematics, Yale University, New Haven, Conn. 281 Willow Street.
- 1899, Aug. Gates, Fanny Cook, M.L.; Associate Professor of Physics, The Woman's College, Baltimore, Md.
- 1894, Feb. Gentry, Ruth, B.Ph., Ph.D. (Bryn Mawr); Associate Principal and Head Teacher of Mathematics, Miss Gleim's School for Girls, Pittsburgh, Pa. 805 South Negley Avenue.
- 1897, Dec. Germann, George B., B.A., Ph.D. (Columbia); Principal of Public School No. 94, Brooklyn, N. Y.
- 1901, Feb. Gerrans, Henry Tresawna, M.A.; Member of the London Mathematical Society; Member of the Edinburgh Mathematical Society; Member of the Societé Mathématique de France; Fellow and Tutor of Worcester College, Oxford, England.
- 1891, Jan. GILMAN, GEORGE HOUGHTON, M.A., LL.B., 41 Wall Street, New York, N. Y.
- 1892, June Glaisher, James Whitbread Lee, M.A., Sc.D.; F.R.S.; F.R.A.S.; Editor of the Messenger of Mathematics and of the Quarterly Journal of Pure and Applied Mathematics; Fellow of Trinity College, Cambridge, England.
- 1891, May GLASHAN. JOHN CADENHEAD, LL.D.; Fellow of the Royal Society of Canada; Inspector of Public Schools, School Inspector's Office, Ottawa, Canada.
- 1896, Nov. GLOVER, JAMES WATERMAN, M.A., Ph.D. (Harvard); Instructor in Mathematics, University of Michigan, Ann Arbor, Mich. 1209 South University Avenue.
- 1897, Oct. Gore, John Kinsey, M.A.; Member of the Actuarial Society of America; Actuary of the Prudential Insurance Company, Newark, N. J.
- 1902, Feb. Gould, Alice Bache, B.A. 405 Marlborough Street, Boston, Mass.
- 1897, May Granville, William Anthony, B.Ph., Ph.D. (Yale); Instructor in Mathematics, Yale University, New Haven, Conn. 487 Orange Street.
- 1891, June Green, Rufus Lot, B.Sc., M.A.; Professor of Mathematics, Stanford University, Cal.

- 1897, Oct. \*\*Greenhill, Alfred George, M.A.; F.R.S.; Member of the London Mathematical Society; Professor of Mathematics. Ordnance College. Woolwich. England.
- 1900, June Greenstreet, William John, M.A.; Member of the London Mathematical Society; Member of the Edinburgh Mathematical Society; F.R.A.S.; Editor of the Mathematical Gazette; Headmaster of the Marling School, Stroud, England.
- 1901, Oct. Greenwood, George William, B.A.; Professor of Mathematics and Astronomy, McKendree College, Lebanon, III.
- 1893, Dec. GRIFFITHS, IDA, B.A. 15 West 91st Street, New York, N. Y.
- 1899, Oct. Groat, Benjamin Feland, B.Sc; Assistant Professor of Mathematics and Mechanics, School of Mines, University of Minnesota, Minneapolis, Minn.
- 1894, June Gummere, Henry Volkmar, B.Sc., M.A.; Professor of Mathematics, Physics and Astronomy, Ursinus College, Collegeville, Montgomery County, Pa.
- 1902, Feb. Gundersen, Carl, M.A., Ph.D. (Columbia); Professor of Mathematics, La Grange College, La Grange, Mo.
- 1894, Aug. Hagen, John George, S.J.; Director of the Georgetown College Observatory, Washington, D. C. Georgetown University.
- 1902, Dec. Hall, Arthur Graham, B.Sc., Ph.D. (Leipzig); Instructor in Mathematics, University of Michigan, Ann Arbor, Mich. 1036 Oakland Avenue.
- 1891, Nov. Hall, Asaph, Jr., B.A., Ph.D. (Yale); Member of the Astronomische Gesellschaft, Professor of Astronomy and Director of the Observatory, University of Michigan, Ann Arbor, Mich.
- 1894, Oct. Hallett, George Hervey, M.A., Ph.D.; Instructor in Mathematics, University of Pennsylvania, Philadelphia, Pa. College Hall.
- 1891, May

  Halsted, George Bruce, M.A., Ph.D. (Johns Hopkins);

  Member of the Société Mathématique de France; Member of the Circolo Matematico di Palermo; Member of the London Mathematical Society; Co-editor of Le Matematiche; Professor of Mathematics, University of Texas, Austin, Texas. 2407 Guadalupe Street.
- 1899, Aug. Hammerslough, Carrie, M.A. 1215 Madison Avenue, New York, N. Y.

- 1901, Oct. Hanawalt, Francis Wayland, M.A.; Professor of Mathematics and Astronomy, Iowa Wesleyan University, Mount Pleasant, Ia. 403 North White Street.
- 1902, Dec. Hancock, Edward Lee, M.Sc.; Instructor in Mathematics, Purdue University, Lafayette, Ind. 222 South 9th Street.
- 1895, Apr. Harris, B.A., Ph.D. (Berlin), D.Sc. (Paris);
  Member of the London Mathematical Society; Member of the Societé Mathématique de France; Member of the Deutsche Mathematiker-Vereinigung; Professor of Mathematics, University of Cincinnati, Cincinnati, Ohio. Auburn Hotel, Mount Auburn.
- 1900, Dec. Hanna, Ulysses S., M.A.; Assistant Professor of Mathematics, Indiana University, Bloomington, Ind. 828 Atwater Avenue.
- 1894, Feb. \*HARDCASTLE, FRANCES, Member of the London Mathematical Society. 14 Huntingdon Road, Cambridge, England.
- 1902, Apr. HARDY, JAMES GRAHAM, M.A., Ph.D.; Instructor in Mathematics, Williams College, Williamstown, Mass.
- 1891, May \*Harkness, James, M.A.; Associate Editor of the \*Transactions of the American Mathematical Society; Professor of Mathematics, Bryn Mawr College, Bryn Mawr, Pa.
- 1891, Apr. Hart, James Norris, C.E., M.Sc.; Professor of Mathematics and Astronomy, University of Maine, Orono, Me.
- 1899, Dec. HASKELL, MELLEN WOODMAN, M.A., Ph.D. (Göttingen);
  Member of the Deutsche Mathematiker-Vereinigung;
  Associate Professor of Mathematics, University of
  California, Berkeley, Cal. P. O. Box 3.
- 1891, May HATHAWAY, ARTHUR STAFFORD, B.Sc., Professor of Mathematics, Rose Polytechnic Institute, Terre Haute, Ind. 2206 North 10th Street.
- 1901, Feb. HAVILAND, EDWIN, JR., B.Sc., M.A.; Professor of Mathematics, Clarkson School of Technology, Potsdam, N. Y. P. O. Box 253.
- 1898, Aug. HAWKES, HERBERT EDWIN, B.A., Ph.D. (Yale); Instructor in Mathematics, Yale University, New Haven, Conn. 20 Carmel Street.
- 1894, Aug. HAY, GUSTAVUS, B.A., M.D. 383 Marlborough Street, Boston, Mass.
- 1901, Aug. Hedrick, Earle Raymond, M.A., Ph.D. (Göttingen); Instructor in Mathematics, Sheffield Scientific School, Yale University, New Haven. Comp. 13 Park Street.

Dete of Admission.		21
1900,		Hewes, Laurence Ilsley, B.Sc., Ph.D. (Yale); Professor of Mathematics, Rhode Island College of Agriculture and Mechanic Arts, Kingston, R. I.
1892,	Dec.	HILL, GEORGE WILLIAM, Ph.D., Sc.D., LL.D., EX-PRESIDENT; Member of the National Academy of Sciences; Foreign Member of the Royal Society of London; Foreign Associate of the Royal Astronomical Society. West Nyack, N. Y.
1895,	Nov.	HILL, JOHN ETHAN, Ph.D. (Clark); Instructor in Mathematics, University of West Virginia, Morgantown, W. Va.
1898,	Dec.	HIMOWICH, ADOLPH A., M.Sc., M.D. 130 Henry Street, New York, N. Y.
1894,	Mar.	HITCHCOCK, FANNY R. M., Ph.D.; Philadelphia, Pa. 4038 Walnut Street.
1902,	Apr.	Hodgkins, Howard Lincoln, M.A., Ph.D. (Columbian); Dean and Professor of Mathematics, Corcoran Scientific School, Columbian University, Washington, D. C.
1895,	Feb.	HOLGATE, THOMAS FRANKLIN, M.A., Ph.D. (Clark); Professor of Applied Mathematics and Dean of the College of Liberal Arts, Northwestern University, Evanston, Ill. 617 Hamline Street.
1889,	June	HOLLADAY, WALLER, B.Sc., C.E., M.E.; Emeritus Professor of Mathematics, Cooper Institute; Mathematician of the Equitable Life Assurance Society, 120 Broadway, New York, N. Y.
1902,	Dec.	Hoskins, Leander Miller, C.E., M.Sc.; Professor of Applied Mathematics, Stanford University, Palo Alto, Cal.
1891,	May	Howe, Charles Sumner, M.Sc., Ph.D.; Professor of Mathematics and Astronomy, Case School of Applied Science, Cleveland, Ohio.
1891,	May	Howe, Herbert Alonzo, M.A., Sc.D.; Member of the Astronomische Gesellschaft; Director of the Chamberlin Observatory of the University of Denver, University Park, Col.
1891,	May	Hulburt, Lorrain Sherman, B.A., Ph.D. (Johns Hopkins); Collegiate Professor of Mathematics, Johns Hopkins University, Baltimore, Md.
1901,	Oct.	HUNTINGTON, EDWARD VERMILYE, M.A., Ph.D. (Strassburg); Member of the Deutsche Mathematiker-Ver-

einigung; Editor of the Annals of Mathematics; Instructor in Mathematics, Harvard University, Cambridge, Mass. 35 Fairfax Hall.

- 1891, Apr. Hussey, William J., B.Sc.; Astronomer in the Lick Observatory, Mt. Hamilton, Cal.
- 1896, Nov. Hutchinson, John Irwin, B.A., Ph.D. (Chicago); Associate Editor of the Transactions of the American Mathematical Society; Instructor in Mathematics, Cornell University, Ithaca, N. Y. Cornell Heights.
- 1891, May Hyde, Edward Wyllys, C.E. 814 Lincoln Avenue, Station D, Cincinnati, Ohio.
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- 1901, Dec. JACKSON, LAMBERT LINCOLN, M.A.; Head of the Department of Mathematics, State Normal School, Brockport, N. Y. 108 Monroe Avenue.
- 1892, Jan. Jacobus, David S., M.E.; Professor of Experimental Mechanics and Engineering Physics, Stevens Institute of Technology, Hoboken, N. J.
- 1888, Nov. JACOBY, HAROLD, Ph.D. (Columbia); Member of the Astronomische Gesellschaft; F.R.A.S.; Adjunct Professor of Astronomy, Columbia University, New York, N. Y. 333 West 76th Street.
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- 1891, Mar. JOHNSON, WILLIAM WOOLSEY, M.A.; Member of the London Mathematical Society; Professor of Mathematics, U. S. Naval Academy, Annapolis, Md.
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- 1900, Dec. Kenyon, Alfred Monroe, M.A.; Associate Professor of Mathematics, Purdue University, Lafayette, Ind. 409 University Avenue, West Lafayette.

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- 1891. Apr. KERSHNER, JEFFERSON E., M.A., Ph.D. (Yale); Professor of Mathematics, Franklin and Marshall College, Lancaster, Pa. 337 West Walnut Street.
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- 1891. Dec. KNISELY, ALEXANDER, B.Sc. Columbia City, Ind.
- KUHN, HARRY WALDO, Ph.D. (Cornell); Assistant Pro-1901. Oct. fessor of Mathematics, Ohio State University, Columbus, Ohio. 215 West 10th Avenue.
- 1894. \*LADUE, POMEROY, B.Sc.; Professor of Mathematics, Apr. New York University, New York, N. Y. University Heights.
- Dec. LAMBERT, PRESTON ALBERT, M.A.; Assistant Professor 1893. of Mathematics, Lehigh University, South Bethlehem. Pa. 215 South Center Street.
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- 1891, Apr. McNeill, Malcolm, M.A., Ph.D.; Professor of Mathematics and Astronomy, Lake Forest University, Lake Forest, 111.
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- 1895, Dec. Neufeld, Julius L., E.E.; Assistant Professor of Mathematics, Central High School, Philadelphia, Pa. 1905

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- 1893, Oct. Pettegrew, David Lyman, General Special Agent of the Massachusetts Mutual Life Insurance Company, Springfield, Mass. P. O. Box 75, Worcester, Mass.
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- 1896, Nov. Phillips, Andrew Wheeler, M.A., Ph.D. (Yale); Professor of Mathematics and Dean of the Graduate School, Yale University, New Haven, Conn. 209 York Street.
- 1894, Oct. PIERPONT, JAMES, Ph.D. (Vienna); Professor of Mathematics, Yale University, New Haven, Conn. 42 Mansfield Street.
- 1889, Dec. Pierson, Israel Coriell, M.A., Ph.D.; Member of the Actuarial Society of America; Actuary of the Washington Life Insurance Company of New York. 141

  Broadway, New York, N. Y.
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- 1901, Oct. Rabinovitch, I. Euclid, Ph.D. (Johns Hopkins). 130

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- 1899, Aug. \*RICHMOND, HERBERT WILLIAM, M.A.; Fellow of the Cambridge Philosophical Society; Member of the London Mathematical Society; Fellow and Lecturer of King's College, and University Lecturer, Cambridge University, Cambridge, England.
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- 1900, Dec. Taliaferro, Thomas Hardy, C.E., Ph.D. (Johns Hopkins). 1208 Madison Avenue, Baltimore, Md.
- 1901, Oct. TALLMAN, WILLIAM DUANE, B.Sc.; Professor of Mathematics, Montana State College of Agriculture and Mechanic Arts, Bozeman, Montana. 726 Third Avenue South.
- 1896, Nov. \*TANNER, JOHN HENRY, B.Sc., Ph.D.; Assistant Professor of Mathematics, Cornell University, Ithaca, N. Y. Cornell Heights.
- 1889, Dec. Tatlock, John, Jr., M.A.; F.R.A.S.; Associate Actuary of the Mutual Life Insurance Company of New York, New York, N. Y. 32 Nassau Street.
- 1891, Apr. Taylor, James Morford, M.A., LL.D.; Professor of Mathematics, Colgate University, Hamilton, N. Y.
- 1899, Oct. Thompson, Edward Payson, M.A.; Professor of Mathematics and Astronomy, Miami University, Oxford, Ohio.
- 1891, Apr. \*Thompson, Henry Dallas, M.A., D.Sc., Ph.D.; Professor of Mathematics, Princeton University, Princeton, N. J. Morven Street.
- 1897, Jan. \*Thompson, Henry Dallas, M.A., D.Sc., Ph.D.; Professor of Mathematics and Astronomy, Lehigh University, South Bethlehem, Pa. 308 Packer Avenue.
- 1901, Oct. Tory, Henry M., M.A.; Mathematical Lecturer, McGill University, Montreal, Canada.
- 1902, Apr. Townley, Sidney Dean, M.Sc., Sc.D. (Michigan); Instructor in Practical Astronomy, University of California, Berkeley, Cal. 2023 Bancroft Way.
- 1895, Nov. Townsend, Edgar Jerome, Ph.D. (Göttingen); Associate Professor of Mathematics, University of Illinois, Champaign, Ill. 402 West Clark Street.
- 1893, Nov. Turrell, Isaac Hodges, Cincinnati, O. 1503 Chase Avenue, North Side.
- 1894, Aug. Tyler, Harry Walter, B.Sc., Ph.D. (Erlangen); Professor of Mathematics and Secretary of the Faculty, Massachusetts Institute of Technology, Boston, Mass.
- 1897, Dec. Underhill, Mary, M.Sc. 227 East 18th Street, New York, N. Y.
- 1888, Nov. Van Amringe, J. Howard, M.A., Ph.D. L.H.D., LL.D.; Ex-President; Professor of Mathematics and Dean of Columbia College, Columbia University, New York, N. Y. 56 West 51st Street.

Trumiss.	1011.	
1902,	Feb.	VAN DER HEYDEN, ALEXANDER FREDERICK, M.A.; Fellow
		of the University of Durham; Member of the Mathe-
		matical Association; Mathematical Master, Middles-
		brough High School, Middlesbrough, England. 3 St.

1902, Oct. Van der Vries, John N., M.A., Ph.D. (Clark); Associate Professor of Mathematics, University of Kansas, Lawrence, Kansas. 1136 Tennessee Street.

John's Terrace.

- 1891, June VAN VELZER, CHARLES AMBROSE, B.Sc., Ph.D.; Member of the London Mathematical Society; Professor of Mathematics, University of Wisconsin, Madison, Wis.

  134 West Gorham Street.
- 1893, Apr. Van Vleck, Edward Burr, M.A., Ph.D. (Göttingen);
  Member of the Deutsche Mathematiker-Vereinigung;
  Associate Editor of the Transactions of the American
  Mathematical Society; Professor of Mathematics,
  Wesleyan University, Middletown, Conn.
- 1891, Apr. Van Vleck, John Monroe, M.A., LL.D.; Member of the Astronomische Gesellschaft; Professor of Mathematics and Astronomy, Wesleyan University, Middletown, Conn.
- 1900, June VAUGHN, WILLIAM JAMES, M.A., LL.D.; Professor of Mathematics and Astronomy, Vanderbilt University, Nashville, Tenn.
- 1900, Dec. Vivian Roxana Hayward, B.A., Ph.D. (Pennsylvania); Instructor in Mathematics, Wellesley College, Wellesley, Mass. 106 Gordon Avenue, Hyde Park, Mass.
- 1891, Oct. Wait, Lucien Augustus, B.A.; Professor of Mathematics, Cornell University, Ithaca, N. Y. 35 East Avenue.
- 1891, Apr. Waldo, Clarence Abiathar, M.A., Ph.D.; Head Professor of Mathematics, Purdue University, Lafayette, Ind. 113 South Ninth Street.
- 1898, Dec. Walker, Buzz M., M.Sc.; Professor of Mathematics, Mississippi Agricultural and Mechanical College, Agricultural College, Miss.
- 1894, Feb. WALKER, LON CAIN, M.A. Stanford University, Palo Alto, Cal.
- 1898, Apr. Washburne, Alva Courtenay, Member of the Actuarial Society of America; Actuarial Division, Metropolitan Life Insurance Company. 1 Madison Avenue, New York, N. Y.

- 1902, Apr. | Webb, Harry Emmett, B.A.; Instructor in Mathematics and Science, Stevens School, Hoboken, N. J. Burling Terrace, Summit, N. J.
- 1891, Oct. Webb, John Burkitt, C.E.; Professor of Mathematics and Mechanics, Stevens Institute of Technology, Hoboken, N. J.
- 1891, May Webster, Arthur Gordon, B.A., Ph.D. (Berlin); Professor of Physics, Clark University, Worcester, Mass.
- 1891, June Weeks, Rufus Wells, Member of the Actuarial Society of America; Actuary of the New York Life Insurance Company. 346 Broadway, New York, N. Y.
- 1892, Feb. Weld, Laenas Gifford, B.Sc., M.A.; Professor of Mathematics and Astronomy and Dean of the Graduate College, State University of Iowa, Iowa City, Ia.
- 1891, Apr. Wells, Webster, B.Sc.; Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass.
- 1891, May Wentworth, George Albert, M.A. Exeter, N. H.
- 1896, Sept. Wentz, Estella Kate, M.Sc.; Instructor in Mathematics, Manual Training High School, Indianapolis, Ind.
- 1897, Feb. Wernicke, August Ludwig Paul; Professor of Modern Languages, State College of Kentucky, Lexington, Ky.

  \$\frac{111}{111}\$ South Limestone Street.
- 1897, Dec. \*Western, Alfred Edward, M.A.; Member of the Loadon Mathematical Society; Fellow of the Cambridge Philosophical Society. 36 Lancaster Gate, London, W., England.
- 1902, Dec. Westfall, W. D. A., B.A.; Instructor in Mathematics, Yale University, New Haven, Conn. 43 Hotchkiss Street.
- 1898, Aug. Westlund, Jacob, Ph.D. (Yale); Member of the Deutsche Mathematiker-Vereinigung; Associate Professor of Mathematics, Purdue University, Lafayette, Ind. 222 Main Street, West Lafayette.
- 1892, Nov. White, Henry Seely, B.A., Ph.D. (Göttingen); Associate Editor of the Transactions of the American Mathematical Society; Editor of the Annals of Mathematics; Noyes Professor of Pure Mathematics, Northwestern University, Evanston, Ill. 619 University Place.
- 1902, Dec. White, William Frank, M.A., B.D.; Head of the Department of Mathematics, State Normal School, New Paltz, N. Y.

		38
Date of		
Admiss		
1902,	Apr.	WHITNEY, ALBERT WURTS, B.A.; Instructor in Mathematics, University of California, Berkeley, Cal. 2630 Haste Street.
1897,	Dec.	*WHITTAKER, EDMUND TAYLOR, M.A.; Member of the London Mathematical Society; Secretary of the Royal Astronomical Society; Fellow and Lecturer of Trinity College, Cambridge, England.
1897,	Feb.	WHITTEMORE, JAMES KELSEY, M.A.; Instructor in Mathematics, Harvard University, Cambridge, Mass. 16 Claverly Hall.
1899,	Feb.	WILCZYNSKI, ERNST JULIUS, Ph.D. (Berlin); Assistant Professor of Mathematics, University of California, Berkeley, Cal. 2337 Telegraph Avenue.
1892,	May	WILLARD, JOSEPH MOODY, B.A.; Professor of Mathematics, Pennsylvania State College, State College, Center Co., Pa.
1895,	May	WILLIAMS, CLARK BENEDICT, M.A.; Olney Professor of Mathematics, Kalamazoo College, Kalamazoo, Mich. Ferdinand-Rhode Strasse 24, Leipsic, Germany.
1892,	May	WILLIAMS, ELLA CORNELIA, M.A. 133 West 56th Street, New York, N. Y.
1898,	Apr.	WILLIAMS, WILLIAM HILL, M.A.; Chair of Mathematics, Wisconsin State Normal School, Platteville, Wis.
1891,	May	WILLSON, FREDERICK NEWTON, M.A., C.E.; Professor of Descriptive Geometry, Stereotomy, and Technical Drawing, John C. Green School of Science, Princeton University, Princeton, N. J. P. O. Box 63.
1901,	Oct.	WILSON, ALBERT HARRIS, M.S.; Instructor in Mathematics, Princeton University, Princeton, N. J.
1899,	Dec.	Wilson, Edwin Bidwell, B.A., Ph.D. (Yale); Instructor in Mathematics, Yale University, New Haven, Conn. Ecole Normale Supérieure, Paris, France.
1900,	Dec.	WILSON, NORMAN RICHARD, M.A.; Lecturer in Mathematics, Wesley College, University of Manitoba, Winnipeg, Canada.
1899,	Dec.	Wood, Ruth Goulding, B.Sc., Ph.D. (Yale); Instructor in Mathematics, Smith College, Northampton, Mass. 57 Dryads Green.

Oct. Woods, Frederick S., B.A., Ph.D. (Göttingen); Editor of the Annals of Mathematics; Assistant Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass. 21 Church Street, Newton, Mass.

1895,

		39
Date of Admission.		
1891,		WOODWARD, ROBERT SIMPSON, C.E., Ph.D. (Michigan); Ex-President; Member of the National Academy of Sciences; Associate Editor of Science; Professor of Mechanics and Mathematical Physics and Dean of the School of Pure Science, Columbia University, New York, N. Y.
1891,	May	WORTHEN, THOMAS WILSON DORR, M.A.; Professor of Mathematics, Dartmouth College, Hanover, N. H.
1898,	Oct.	WRIGHT, WALTER CHANNING, Member of the Actuarial Society of America; Consulting Life Insurance Actuary. 45 Milk Street, Room 77, Boston, Mass.
1902,	Oct.	YANNEY, BENJAMIN FRANKLIN, Professor of Mathematics, Mount Union College, Alliance, Ohio.
1891,	May	Young, Jacob William Albebt, M.A., Ph.D. (Clark); Assistant Professor of the Pedagogy of Mathematics, University of Chicago, Chicago, Ill. 5430 Washington Avenue.
1902,	Feb.	Young, John Wesley, Ph.B., M.A.; Assistant in Mathematics, Cornell University, Ithaca, N. Y. 100 Cook Street.
1902,	Oct.	Young, William Henry, M.A.; Member of the London Mathematical Society; Member of the Cambridge Philosophical Society; Member of the Deutsche Mathematiker-Vereinigung; Lecturer in Mathematics, Girton College, Cambridge, England. Peterhouse.
1893,	Mar.	YOWELL, EVERETT IRVING, M.Sc., C.E.; Computer at the Naval Observatory, Washington, D. C.
1891,	Apr.	ZIWET, ALEXANDER, C.E.; Editor of the Bulletin of the American Mathematical Society; Junior Professor of Mathematics, University of Michigan, Ann Arbor, Mich. 644 South Ingalls Street.

Number of manhous Tonnous 1 1002	400
Number of members, January 1, 1903	400
Number of members, January 1, 1902	375
Members admitted during the year 1902	39
Members withdrawing during the year 1901	14
Number of life-members	23