MEMBERS OF THE SOCIETY.

JANUARY 1, 1899.

Date of Admission.		Life members are designated by *.
1892,	Nov.	ABBE, CLEVELAND, M.A., Ph.D., LL.D.; Member of the National Academy of Sciences; F.R.A.S.; Member of the Astronomische Gesellschaft; Editor of the Monthly Weather Review; Professor of Meteorology, U. S. Weather Bureau; Professor of Meteorology, Columbian University, Washington, D. C.; U. S. Weather Bureau.
1891,	Nov.	ALEY, ROBERT JUDSON, M.A., Ph.D. (Pennsylvania); Member of the London Mathematical Society; Member of the Deutsche Mathematiker-Vereinigung; Professor of Mathematics Indiana University, Bloomington, Ind. 632 North College Avenue.
1897,	Dec.	ALLEN, JOSEPH, M.A.; Instructor in Mathematics, College of the City of New York. 17 Lexington Avenue, New York, N. Y.
1892,	Apr.	Annis, Burleigh Smart, M.A. Hartford, Conn.
1891,	June	BAKER, ALFRED, M.A.; Member of the Société Mathématique de France; Professor of Mathematics, University of Toronto, Toronto, Canada.
1891,	Feb.	BAKER, ARTHUR LATHAM, C.E., Ph.D; Professor of Mathematics, University of Rochester, Rochester, N. Y. 28 Strathallan Park.
1898,	Feb.	BAKER, HENRY FREDERICK, M.A.; F.R.S.; Member of the London Mathematical Society; Fellow of the Cambridge Philosophical Society; Fellow and Lecturer of St. John's College, Cambridge, England. 4 Belvoir Terrace, Trumpington Road.
1891,	Apr.	BAKER, MARCUS, M.A.; Cartographer, U. S. Geological Survey, Washington, D. C.
1894,	Mar.	BALDWIN, JAMES ROBERT, M.A.; Teacher of Mathematics, Davenport Business College, Davenport, Iowa. 305 East 11th Street.
1894,	Oct.	BARNUM, CHARLOTTE CYNTHIA, B.A., Ph.D. (Yale); 144 Humphrey Street, New Haven, Conn.
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; 524 Fifth Avenue, New York, N.Y.

- 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.
- 1897, Dec. Benner, Henry, M.S., Ph.D. (Erlangen); Professor of Mathematics, Albion College, Albion, Mich.
- 1897, Feb. BERRY, ARTHUR, M.A.; Member of the London Mathematical Society; F.R.A.S.; Fellow and Assistant Tutor in Mathematics, King's College, Cambridge, England.
- 1891, Dec. Blake, Edwin Mortimer, E.M., Ph.D. (Columbia);
 230 Washington Avenue, Brooklyn, N. Y.
- 1892, Apr. Bôcher, Maxime, B.A., Ph.D. (Göttingen); Associate Editor of the Annals of Mathematics; Assistant Professor of Mathematics, Harvard University, Cambridge, Mass. 12 Shepard 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. (Leipzig); Instructor in Mathematics, Harvard University, Cambridge, Mass.
- 1891, June BOWSER, EDWARD ALBERT, C.E., LL.D.; Professor of Mathematics, Rutgers College, New Brunswick, N. J.
- 1898, Feb. Breuke, William Charles, B.Sc.; Instructor in Mathematics and Astronomy, Illinois University, Champaign, Ill.
- 1891, June Brooks, John Milton, M.A.; Instructor in Mathematics, John C. Green School of Science, Princeton University, Princeton, N. J. P. O. Box 71.
- 1893, Dec. BROWN, EDWARD LEROY, M.A.; Head Teacher of Mathematics, North Side High School, Denver, Colo. 3030

 Homer Boulevard, Station B.
- 1892, Feb. Brown, Ernest William, M.A., D.Sc. (Cambridge); F.R.S.; Member of the London Mathematical Society; Fellow of the Cambridge Philosophical Society; F.R.A.S.; Professor of Applied Mathematics, Haverford College, Haverford, Pa.
- 1891, June Bullis, Abram Rogers, B.Sc., B.C.E. Macedon, Wayne County, N. Y.
- 1895, Mar. BURNHAM, ALTON CYREL, B.Sc.; Instructor in Mathematics, University of Illinois, Urbana, Ill. 903 California Avenue.
- 1891, Apr. BYERLY, WILLIAM ELWOOD, M.A., Ph.D. (Harvard);
 Professor of Mathematics, Harvard University, Cambridge,
 Mass. 39 Hammond Street.

1891,

Apr.

- 1891, June | CAIN, WILLIAM, C.E., M.A.; Professor of Mathematics, University of North Carolina, Chapel Hill, N. C.
- 1897. CAPRON, PAUL, M.A. 4 Gorham Street, Cambridge, Mass. Oct.
- 1896, CHACE, ARNOLD BUFFUM, M.A., D.Sc. (Brown); Valley Apr. Falls, R. I.
- 1891, May CHANDLER, CHARLES HENRY, M.A.; Professor of Mathematics, Ripon College, Ripon, Wis.
- CHAPMAN, CHARLES HIRAM, B.A., Ph.D. (Johns Hop-1891, Nov. kins); President of the University of Oregon, Eugene, Oregon.
- 1895, Nov. CHESSIN, ALEXANDER S., Ph.D. 280 Amsterdam Avenue, New York, N. Y.
- 1895, Nov. CHITTENDEN, J. BRACE, B.Sc., M.A., Ph.D. (Königsberg); Tutor in Mathematics, Columbia University, New York, N. Y.
- CLARK, JOHN EMORY, M.A.; Professor of Mathematics, Yale University, New Haven, Conn. 445 Orange Street. 1896, Sept. | Clutz, Frank Hollinger, B.A., Ph.D. (Johns Hopkins); Professor of Mathematics and Astronomy, Carthage Col-
- lege, Carthage, Ill. P. O. Box 201. 1893, Feb. COHEN, ABRAHAM, B.A., Ph.D. (Johns Hopkins); Associate in Mathematics, Johns Hopkins University, Baltimore, Md.
- Oct. 1893, COLAW, JOHN MARVIN, M.A.; Associate Editor of the American Mathematical Monthly; Principal of the Monterey High School, Monterey, Va. 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. 1898, Feb. COMSTOCK, ELTING HOUGHTALING, B.Sc.; Fellow in Math-
- ematics, University of Chicago, Chicago, Ill. Graduate 1892, Oct. CONANT, LEVI LEONARD, M.A., Ph.D.; Editor of the Jour-
- nal of the Polytechnic Institute; Associate Professor of Mathematics, Worcester Polytechnic Institute, Worcester, Mass. 1891, Apr. CRAWLEY, EDWIN SCHOFIELD, B.Sc., Ph.D.; Assistant Professor of Mathematics, University of Pennsylvania,
- Philadelphia, Pa. 1891, Dec. CUNNINGHAM, SUSAN J.; Professor of Mathematics and
- Astronomy, Swarthmore College, Swarthmore, Pa. 1891, June DAVIES, JOHN EUGENE, M.A., M.D., LL.D.; Professor of
- Electricity and Magnetism and Mathematical Physics, University of Wisconsin, Madison, Wis. 523 N. Carroll Street.

- 1891, Apr. DAVIS, ELLERY WILLIAMS, B.Sc., Ph.D. (Johns Hopkins);
 Professor of Mathematics, University of Nebraska, Lincoln, Neb.
- 1891, Oct. DAVIS, JOHN WOODBRIDGE, C.E., Ph.D.; Principal of the Woodbridge School, 523 W. 173d Street, New York, N. Y.
- 1891, Apr. DAVIS, NATHANIEL FRENCH, M.A., LL.D.; Professor of Pure Mathematics, Brown University, Providence, R. I. 159 Brown Street.
- 1891, May DELONG, IRA MITCHELL, M.A., Professor of Mathematics, University of Colorado, Boulder, Colo. 1305 12th Street.
 1895, Jan. DELURY, ALFRED TENNYSON, B.A.: Lecturer in Mathe-
- 1895, Jan. DELURY, ALFRED TENNYSON, B.A.; Lecturer in Mathematics, University of Toronto, Toronto, Can.
 1892, Jan. DENNETT, WILLIAM SAWYER, B.A., M.D. 8 E. 49th Street,
- New York, N. Y.

 DICKSON, LEONARD EUGENE, B.Sc., M.A., Ph.D. (Chicago); Instructor in Mathematics, University of California,
- Berkeley, Cal. P. O. Box 3.

 1893, Dec. Doolittle, Charles L., C.E., D.Sc.; Member of the Astronomische Gesellschaft; Professor of Mathematics and Astronomy and Director of the Flower Observatory, Uni-
- versity of Pennsylvania, Philadelphia, Pa.

 Dowling, Linnæus Wayland, Ph.D. (Clark); Assistant
 Professor of Mathematics, University of Wisconsin, Madison, Wis. 231 W. Gilman Street.
- 1891, Apr. DURELL, FLETCHER, B.A., Ph.D.; 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. 645 Main Street.
- 1891, Apr. ECHOLS, WILLIAM HOLDING, B.Sc.; Editor of the Annals of Mathematics; Professor of Mathematics, University of Virginia, Charlottesville, Va.
- 1891, Apr. EDDY, HENRY TURNER, M.A., C.E., 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.
- 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.
- 1898, Feb. *ELLIOTT, EDWIN BAILEY, M.A.; Vice-President of the London Mathematical Society; F.R.S.; F.R.A.S.; Waynflete Professor of Pure Mathematics and Fellow of Magdalen College, Oxford, England. 4 Bardwell Road.

1891,

- 1894. Mar. ELLWOOD, JOHN KELLEY, M.A.; Principal of the Colfax School, Pittsburg, Pa. Woodlawn Avenue.
- ELY, ACHSAH MOUNT, B.A.; Professor of Mathematics, 1891, May Vassar College, Poughkeepsie, N. Y.
- 1896, Nov. EMCH, ARNOLD, M.Sc., Ph.D. (Kansas); Professor of Graphic Mathematics, Kansas State Agricultural College, Manhattan, Kansas.
- 1898, Apr. ENGBERG, CARL CHRISTIAN, B.Sc, M.A.; Fellow in Mathematics, University of Nebraska, Lincoln, Neb.
- 1892, Mar. ENGLER, EDMUND ARTHUR, M.A., Ph.D.; Professor of Mathematics and Descriptive Geometry and Dean of the

School of Engineering.

Louis, Mo. 1898, Oct. ESCOTT, EDWARD BRIND, B.Sc., M.Sc.; Instructor in the

Washington University, St.

- Union High School, Grand Rapids, Mich. 126 Turner 1891, May ESTY, WILLIAM COLE, LL.D.; Professor of Mathematics
- and Astronomy, Amherst College, Amherst, Mass. 1896. Jan. EVANS, HENRY BROWN, M.E.; Instructor in Astronomy, University of Pennsylvania, Philadelphia, Pa. Astronomical Observatory, Upper Darby, Pa.
- May FIELDS, JOHN CHARLES, Ph.D. (Johns Hopkins); Member of the Société Mathématique de France; 10 Burlington Street, Hamilton, Canada. 1891, May FINE, HENRY BURCHARD, M.A., Ph.D. (Leipzig); Pro-
- fessor of Mathematics, Princeton University, Princeton, N. J.
- 1891. June Finkel, Benjamin Franklin, M.A., M.Sc.; Editor of the American Mathematical Monthly; Professor of Mathematics and Physics, Drury College, Springfield, Mo. 1067 Clay
- 1891, Oct. FISHER, GEORGE EGBERT, M.A., Ph.D.; Assistant Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa.
- FISHER, IRVING, B.A., Ph.D. (Yale); Editor of the Yale 1895. Jan. Review; Assistant Professor of Political Science, Yale University, New Haven, Conn. 460 Prospect Street.
- FISKE, THOMAS SCOTT, M.A., Ph.D. (Columbia); Member 1888, Nov. of the London Mathematical Society; Editor of the Bulletin of the American Mathematical Society; Professor of Mathematics, Columbia University, New York, N. Y.
- Oct. | FLOWERS, ROBERT LEE, Graduate of the U. S. Naval Acad-1894, emy; Professor of Mathematics, Trinity College, Durham, N. C.

Date of

- 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.
- 1895, Jan. FREEDMAN, WILLIAM HORATIO, C.E., E.E.; Associate Editor of *Electric Power*; Tutor in Mechanics, Columbia University, New York, N. Y.
- 1897, Mar. FREELAND, WILLIAM, B.A. 27 W. 44th Street, New York, N. Y.
- 1895, Nov. Frizell, Arthur Bowes, B.A.; Instructor in Mathematics, Harvard University. 415 Broadway, Cambridge, Mass.
- 1892, Oct. Gable, George Daniel, M.A., Ph.D.; Hunt Professor of Mathematics, Parsons College, Fairfield, Iowa.
- 1894, Feb. GENTRY, RUTH, B.Ph., Ph.D. (Bryn Mawr); Instructor in Mathematics, Vassar College, Poughkeepsie, N. Y.
- 1897, Dec. GERMANN, GEORGE B., B.A.; University Fellow in Education, Columbia University, New York, N. Y.
- 1891, Jan. GILMAN, GEORGE HOUGHTON, M.A.; 71 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 and Tutor of Trinity College, Cambridge, England.
- 1891, May GLASHAN, JOHN CADENHEAD; 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.
- 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, Leland Stanford Jr. University, Stanford University, Cal.
- 1897, Oct. * Greenhill, Alfred George, M.A.; F.R.S.; Professor of Mathematics, Artillery College, Woolwich, England.

11 Date of Admission. 1893, Dec. | GRIFFITHS, IDA, B.A.; 61 Belmont Avenue, Fall River, Mass. 1894, June GUMMERE, HENRY VOLKMAR, B.Sc., M.A.; P. O. Box 1293, Philadelphia, Pa. 1894, Aug. HAGEN, JOHN GEORGE, S.J.; Director of the Georgetown College Observatory, Washington, D. C. 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. 1892, Apr. HALL, TOMAS PROCTOR, Ph.D. (Clark); Professor of Physics, Kansas City University, Kansas City, Kan. 1894, HALLET, GEORGE H., M.A., Ph.D.; Instructor in Mathe-Oct. matics, 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; Professor of Mathematics, University of Texas, Austin, Texas. 2407 Guadalupe Street.

- 1895, Apr. HANCOCK, HARRIS, B.A., Ph.D. (Berlin); Instructor in Mathematics, Chicago University, Chicago, Ill.
 1894, Feb. HARDCASTLE, FRANCES, Member of the London Mathematical Society. 38 Eaton Square, London, S. W., England.
- 1891, May HARKNESS, JAMES, M.A.; Professor of Mathematics, Bryn Mawr College, Bryn Mawr, Pa.

 1891, Apr. HART, JAMES NORRIS, C.E., M.S.; Professor of Mathematics
- and Astronomy, University of Maine, Orono, Me.

 HATHAWAY, ARTHUR STAFFORD, B.Sc.; Professor of Math-
- ematics, Rose Polytechnic Institute, Terre Haute, Ind. 2106 N. 10th Street.

 1898, Aug. Herbert Edwin, B.A.; Instructor in Mathe-
- matics, Yale University, New Haven, Conn. 391 Edgewood Avenue.
- 1894, Aug. HAY, GUSTAVUS, B.A., M.D. (Harvard). 383 Marlborough Street, Boston, Mass.
 1895, Nov. HAYES, ELLEN, B.A.; Professor of Applied Mathematics,
- 1895, Nov. HAYES, ELLEN, B.A.; Professor of Applied Mathematics, Wellesley College, Wellesley, Mass. P. O. Box 275.
 1891, Apr. HEAL, WILLIAM EPHRAIM, Member of the London Mathematics, Wellesley College, Wellesley, Mass. P. O. Box 275.
- matical Society. 1005 Spencer Avenue, Marion, Ind.
 1897, Feb. HEYL, PAUL RENNO, B.Sc., Ph.D. (Pennsylvania); In-
- structor in Mathematics and Drawing, Boys' High School, Reading, Pa. 317 N. 6th Street.

May

1891.

- 1892, Dec. HILL, GEORGE WILLIAM, Ph.D., Sc.D. (Cambridge), LL.D. (Columbia, Princeton); Ex-President; Member of the National Academy of Sciences; Foreign Associate of the Royal Astronomical Society; West Nyack, N. Y.
- 1895, Nov. HILL, JOHN ETHAN, Ph.D. (Clark). 1898, Dec. HIMOWICH, ADOLPH A., M.Sc., M.D.: 130 Henry Street.
- 1898, Dec. Himowich, Adolph A., M.Sc., M.D.; 130 Henry Street, New York, N. Y.
- 1894, Mar. HITCHCOCK, FANNIE R. M., Ph.D.; Director of the Woman's Graduate Department, University of Pennsylvania, Philadelphia, Pa. 4038 Walnut Street.

 1895, Feb. HOLGATE, THOMAS FRANKLIN, M.A., Ph.D. (Clark); Pro-
- 1895, Feb. Holgate, Thomas Franklin, M.A., Ph.D. (Clark); Professor of Applied Mathematics, Northwestern University, Evanston, Ill. 617 Hamline Street.

 1889, June Holladay, Waller, B.Sc., C.E., M.E.: Professor of
- Mathematics, Cooper Institute; Mathematician of the Equitable Life Assurance Society, 120 Broadway, New York, N. Y.

 1891, May Home, Noel Charles Minchin, LL.B. Wescott, Surrey, England.

HOWE, CHARLES SUMNER, M.Sc., Ph.D.: Professor of Math-

- ematics 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, Colo.
- 1891, May Hulburt, Lorrain Sherman, M.A., Ph.D. (Johns Hopkins); Collegiate Professor of Mathematics, Johns Hopkins University, Baltimore, Md.
- 1897, Mar. Hurst, Gilbert Harrison John, B.A.; Member of the London Mathematical Society; Fellow of King's College, Cambridge, England; Master at Eton College, Windsor, England.
- 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); Instructor in Mathematics, Cornell University, Ithaca, N. Y.
- 1891, May Hyde, Edward Wyllys, C.E.; Associate Editor of the Annals of Mathematics; Professor of Mathematics and Dean of the Academic Faculty, University of Cincinnati, Cincin-
- 1891, June | IRELAND, OSCAR BROWN, M.A.; Member of the Actuarial Society of America; Actuary of the Massachusetts Mutual Life Insurance Company, Springfield, Mass. P.O. Box 1608.

nati, O. 814 Lincoln Avenue, Station "D."

- 1892, Jan. JACOBUS, DAVID S., M.E.; Professor of Experimental Mechanics and Engineering Physics, Stevens Institute of
- Technology, Hoboken, N. J.

 JACOBY, HAROLD, Ph.D. (Columbia); Member of the Astronomische Gesellschaft; F.R.A.S.; Adjunct Professor
- of Astronomy, Columbia University, New York, N. Y. 1893, Feb. James, John Nelson, B.A. Halle, Germany, Harz, 48.
- 1897, Apr. JOFFE, S. A., M.S.; Mutual Life Insurance Company of New York, 32 Nassau Street, New York, N. Y.
- 1891, Mar. JOHNSON, WILLIAM WOOLSEY, M.A.; Member of the London Mathematical Society; Professor of Mathematics, U. S. Naval Academy, Annapolis, Md.
- 1891, Dec. Kennelly, A. E., D.Sc.; F.R.A.S.; 1420 Chestnut Street, Philadelphia, Pa.
- 1897, Aug KEPPEL, HERBERT G., M.A.; Member of the Mathematical Society of Amsterdam, Netherlands; Instructor in Mathematics, Northwestern University, Evanston, Ill. 1914

 Orrington Avenue.
- 1892, Oct. KERR, WILLIAM JASPER, B.Sc.; President of the Brigham Young College, Logan, Utah.
- 1891, Apr. Kershner, Jefferson E., M.A., Ph.D. (Yale); Professor Mathematics, Franklin and Marshall College, Lancaster, Pa.
- 1897, Aug. KEYSER, CASSIUS JACKSON, B.Sc., M.A.; Tutor in Mathematics, Columbia University, New York, N. Y.
- 1891, Dec. KNISELY, ALEXANDER, B.Sc.; Logansport, Ind.
- 1894, Nov. KLEINHEKSEL, JOHN HENRY, M.A.; Professor of Mathematics, Hope College, Holland, Mich. 114 East 9th Street.
- 1894, Apr. LADUE, POMEROY, B.Sc.; Professor of Mathematics, New York University, New York, N. Y. University Heights.
- 1893, Dec. LAMBERT, PRESTON ALBERT, M.A.; Assistant Professor of Mathematics, Lehigh University, South Bethlehem, Pa. 215 S. Center Street.
- 1897, Jan. LANDIS, WILLIAM WEIDMAN, M.A.; Professor of Mathematics, Dickinson College, Carlisle, Pa.
- 1898, Apr. LANZA, GAETANO, B.Sc., C.E., M.E.; Professor of Theoretical and Applied Mechanics, Massachusetts Institute of Technology, Boston, Mass.
- 1897, May LAVES, KURT, M.A., Ph.D. (Berlin); Member of the Astronomische Gesellschaft; Instructor in Astronomy, University of Chicago, Chicago, Ill.
- 1889, Dec. Legras, Gustave, B.Sc., M.Sc.; Assistant Professor of Mathematics, College of the City of New York, 17 Lexington Avenue, New York, N. Y.

- 1892, Feb. Leuschner, Armin Otto, B.A., Ph.D. (Berlin); Member of the Astronomische Gesellschaft; F.R.A.S.; Associate Professor of Astronomy and Geodesy; Director of the Students' Observatory, University of California, Berkeley, Cal. 2011 Bancroft Way.
- 1891, May LEWIS, CHARLTON THOMAS, Ph.D. (New York University);
 Member of Actuarial Society of America. 34 Nassau Street,
 New York, N. Y.
- 1894, June Ling, George Herbert, Ph.D. (Columbia); Instructor in Mathematics, Wesleyan University, Middletown, Conn.
- 1891, June Loud, Frank Herbert, B.A. Weymouth, Mass.
- 1891, Apr. LOVE, JAMES LEE, M.A.; Instructor in Mathematics, Harvard University, Cambridge, Mass. 27 Walter Street.
- vard University, Cambridge, Mass. 2/ Watter Street.

 LOVETT, EDGAR ODELL, M.A., Ph.D. (Virginia, Leipzig);
 Editor of the Bulletin of the American Mathematical Society;
 Assistant Professor of Mathematics, Princeton University,
 Princeton, N. J.
- 1896, Nov. Ludlow, Henry Hunt, Graduate of the U. S. Military Academy; Captain, 6th U. S. Artillery. Fort Wadsworth, Rosebank, Staten Island, N.Y.
- 1891, June LUDWIG, HENRY THOMAS JEFFERSON, M.A., Ph.D., Professor of Mathematics, Physics and Astronomy, North Carolina College, Mt. Pleasant, N. C.
- 1894, Oct. Lyman, Elmer A., B.A.; Professor of Mathematics, Michigan State Normal College, Ypsilanti, Mich., 126 N. Washington Street.
- 1891, June McCabe, William, Ll.B.; F.I.A.; Corresponding Member of the Institut des Actuaires Français; Member of the Actuarial Society of America. 112-118 King Street, W.,

Toronto, Canada.

- 1889, Dec. * McCLINTOCK, EMORY, M.A., Ph.D. (Wisconsin), LL.D. (Columbia); EX-PRESIDENT; F.I.A.; Member of the Acturial Society of America; Member of the London Mathematical Society; Actuary of the Mutual Life Insurance Company of New York.

 82 Nassau Street, New York, N. Y.
- 1891, May McDougall, Alexander Hiram, B.A.; Mathematical Master of the Collegiate Institute, Ottawa, Canada. 286 Kent Street.
- 1896, Apr. McGAW, FREDERICK MILTON, M.A.; Instructor in Mathematics, Bordentown Military Institute, Bordentown, N. J.
- 1897, Dec. MCKAY, ALEXANDER CHARLES, B.A.; Professor of Mathematics, McMaster University, Toronto, Canada.
- 1895, Nov. McKinney, Thomas Emery, M.A.; Professor of Mathematics and Astronomy, Marietta College, Marietta, O. 617 Wooster Street.

- 1892, Oct. McLennan, John Cunningham, B.A.; Assistant Demonstrator in Physics, University of Toronto, Toronto, Canada.
- 1891, Apr. McMahon, James, M.A.; Member of the London Mathematical Society; Associate Editor of the Annals of Mathematics; Assistant Professor of Mathematics, Cornell University, Ithaca, N. Y. 1 Quarry Street.
- 1891, Apr. McNeill, Malcolm, M.A., Ph.D.; Professor of Mathematics and Astronomy, Lake Forest University, Lake Forest Ill.
- 1898, Dec. *MACAULAY, FRANCIS SOWERBY, M.A., D.Sc. (London);
 Member of the London Mathematical Society; Mathematical Master, St. Paul's School, West Kensington, London, W., England.
- 1891, May MACFARLANE, ALEXANDER, M.A., D.Sc. (Edinburgh), LL.D.; Member of the Circolo Matematico di Palermo; Lecturer on Mathematical Physics, Lehigh University, South Bethlehem, Pa.
- 1897, Dec. Mackay, John Sturgeon, M.A., LL.D.; Fellow of the Royal Society of Edinburgh; Member of the Edinburgh Mathematical Society; Master in the Edinburgh Academy.

 69 Northumberland Street, Edinburgh, Scotland.
- 1897, Feb. Mackinnon, Annie Louise, M.S., Ph.D.; Professor of Mathematics, Wells College, Aurora, N. Y.
- 1888, Nov. Maclay, James, C.E.; Instructor in Mathematics, Columbia University, New York, N. Y.
- 1897, Jan. MADDISON, ISABEL, B.Sc., Ph.D. (Bryn Mawr); Member of the London Mathematical Society; Secretary to the President and Reader in Mathematics, Bryn Mawr College, Bryn Mawr, Pa.
- 1891, June MAGIE, WILLIAM FRANCIS, M.A., Ph.D. (Berlin); Professor of Physics, Princeton University, Princeton, N. J.
- 1897, Aug. MALTBIF, WILLIAM HENRY, M.A., Ph.D. (Johns Hopkins);
 Associate Professor of Mathematics, The Woman's College,
 Baltimore, Md.
- 1891, Nov. MANN, CHARLES RIBORG, M.A., Ph.D. (Berlin); Associate in Physics, University of Chicago, Chicago, Ill.
- 1893, Apr. MANNING, GEORGE LINCOLN, M.E., P. O. Box 508, Orange, N. J.
- 1891, Nov. MANNING, HENRY PARKER, B.A., Ph.D. (Johns Hopkins);
 Assistant Professor of Pure Mathematics, Brown University, Providence, R. I.
- 1891, June MARKLEY, JOSEPH LYBRAND, M.A., Ph.D. (Harvard); Assistant Professor of Mathematics, University of Michigan, Ann Arbor, Mich. 912 Forest Avenue.

Aumi	onom.	
1891,		MARTIN, ARTEMAS, M.A., Ph.D., LL.D.; Member of the London Mathematical Society; Member of the Société Mathématique de France; Member of the Circolo Matematico di Palermo; Member of the Edinburgh Mathematical Society; Editor of the Mathematical Magazine and of the Mathematical Visitor; U. S. Coast and Geodetic Survey Office, Washington, D. C. 1534 Columbia Street, N. W.
1893,	Feb.	MASCHKE, HEINRICH, Ph.D. (Göttingen); Associate Professor of Mathematics, University of Chicago, Chicago, Ill. 5721 Monroe Avenue.
1890,	May	MASON, JAMES WEIR, M.A.; Member of the Actuarial Society of America; Professor of Pure Mathematics, College of the City of New York, New York, N. Y.
1892,	Mar.	MENDIZÁBAT-TAMBORREL. JOAQUIN DE, M.A., D.Sc., Geographical and Military Engineer; Member of the London Mathematical Society; Member of the Société Mathématique de France, F.R.A.S.; Member of the Astronomische Gesellschaft; Captain of Engineer Corps; Sociedad "Alzate," Palma No. 13, Mexico, D. F., Mexico.
1891,	Apr.	MERRIMAN, MANSFIELD, C.E., Ph.D.; Professor of Civil Engineering, Lehigh University, South Bethlehem, Pa.
1889,	June	MESSENGER, HIRAM JOHN, Litt.B., Ph.D.; Member of the Actuarial Society of America; Actuary of the Travelers Insurance Company, Hartford, Conn.
1891,	Oet.	METZLER, WILLIAM H., B.A., Ph.D. (Clark); Member of the London Mathematical Society; Francis H. Root Professor of Mathematics, Syracuse University, Syracuse, N. Y.
1891,	June	MILLER, BLOOMFIELD JACKSON, President of the Actuarial Society of America; Mathematician of the Mutual Benefit Life Insurance Company. 752 Broad Street, Newark, N. J.
1891,	May	MILLER, EPHRAIM, M.A., Ph.D.; Professor of Mathematics and Astronomy, and Dean of the School of Arts, University of Kansas, Lawrence, Kan. 1244 Tennessee Street.
1898,	Apr.	MILLER, G. A., Ph.D.; Instructor in Mathematics, Cornell University, Ithaca, N. Y. 11 Cook Street.
1891,	May	MOODY, WILLIAM ALBION, M.A.; Professor of Mathematics, Bowdoin College, Brunswick, Me.
1891,	May	MOORE, ELIAKIM HASTINGS, B.A., Ph.D.; Member of the Circolo Matematico di Palermo; Member of the London Mathematical Society; Member of the Deutsche Mathematiker-Vereinigung; Head Professor of Mathematics, University of Chicago, Chicago, Ill.

Date of Admission. 1896. May MORE, LOUIS TRENCHARD, B.Sc., Ph.D. (Johns Hopkins): Lecturer in Physics, University of Nebraska, Lincoln, 1891, May MORLEY, FRANK, M.A., Sc.D. (Cambridge): Editor of the Bulletin of the American Mathematical Society: Professor of Pure Mathematics, Haverford College, Haverford, Pa. 1898, Oct. MULLEN, LORING BLANCHARD, Ph.D.; Instructor in Mathematics, Central High School, Cleveland, O. 1890. Dec. MURRAY, DANIEL ALEXANDER, B.A., Ph.D. (Johns Hopkins); Instructor in Mathematics, Cornell University, Ithaca, N. Y. 1891. June NAGLE, JAMES C., M.A., C.E., M.C.E.: Professor of Civil Engineering and Physics, Agricultural and Mechanical College of Texas, College Station, Texas. 1891. June NELSON, ALFRED BRIERLEY, M.A., M.D. (University of Pennsylvania); Professor of Mathematics, Centre College, Danville, Kv. 443 Lexington Street. 1895, Dec. NEUFELD, JULIUS L., E.E.; Instructor in Mathematics, Central High School, Phila., Pa. 1909 South Broad Street. 1891. Nov. NEWCOMB, SIMON, B.Sc., Ph.D., LL.D.; Ex-PRESIDENT; Member of the National Academy of Sciences; Foreign Member of the Royal Society of London: Foreign Associate of the Institute of France; Foreign Associate of the Royal Astronomical Society; Associate Editor of the American Journal of Mathematics: Professor of Mathematics and Astronomy at Johns Hopkins University; Professor of Mathematics of the U.S. Navy, retired. 1620 P. Street, Washington, D. C. NEWSON, HENRY BYRON, M.A., Ph.D.; Associate Professor 1891. Oct. of Mathematics, University of Kansas, Lawrence, Kan. 1891, June Nicholson, James William, M.A., LL.D; Professor of Mathematics, Louisiana State University and Agricultural and Mechanical College, Baton Rouge, La. 901 Convention Street. 1891. NIPHER, FRANCIS EUGENE, M.A.; Professor of Physics, May Washington University, St. Louis, Mo. ODELL, JOHN WILLIAM, B.A.; Fellow in Mathematics, 1895, Feb. University of Toronto, Toronto, Canada. OLDS, GEORGE DANIEL, M.A.; Professor of Mathematics, 1891, Dec.

Amherst College, Amherst, Mass.

bridge, Mass.

OSBORNE, GEORGE ABBOTT, B.Sc.; Professor of Mathematics,

OSGOOD, WILLIAM FOGG, M.A., Ph.D. (Erlangen); Assistant Professor of Mathematics, Harvard University, Cam-

Massachusetts Institute of Technology, Boston, Mass.

1891.

1895,

Apr.

Feb.

- 1894, Oct. Osterberg, Max, E.E., M.A.; 11 Broadway, New York, N. Y.
- 1897, May PALMIÉ, ANNA HELENE, B.Ph. (Cornell); Professor of Mathematics, College for Women, Western Reserve University, Cleveland, O. 56 Mayfield Street.
- 1894, Mar. PARTRIDGE, EDWARD ANSON, B.Sc., M.A., Ph.D.; Professor of Physics, Central Manual Training School, Philadelphia, Pa. 17th and Wood Streets.
- 1896, Dec. PATTERSON, JAMES LAWSON, B.Ph., D.Sc. (Princeton);
 Héad Master of Chestnut Hill Academy, Chestnut Hill,
 Philadelphia, Pa.
- 1896, May Peck, Henry Allen, M.A., Ph.D. (Strassburg); Member of the Astronomische Gesellschaft; Professor of Astronomy, Syracuse University, Syracuse, N. Y. 307 Waverly Place.
- 1891, May Peirce, Benjamin Osgood, Ph.D. (Leipzig); Hollis Professor of Mathematics and Natural Philosophy in Harvard University, Jefferson Physical Laboratory, Harvard University, Cambridge, Mass. 51 Oxford Street.

 1898, Oct. Peirce, James Mills, M.A.; Perkins Professor of As-
- tronomy and Mathematics, and Dean of the Faculty of Arts and Sciences, Harvard University, Cambridge, Mass.

 4 Kirkland Place.

 Pell, Alexander, Ph.D. (Johns Hopkins); Professor of Mathematics, State University of South Dakota, Ver-
- million, South Dakota.

 Pettegrew, David Lyman; General Special Agent of the Massachusetts Mutual Life Insurance Company, Springfield, Mass. P. O. Box 75, Worcester, Mass.
- 1892, Oct. PFISTER, JOSEPH CLEMENT, M.A.; Tutor in Mechanics, Columbia University, New York, N. Y.
 1891, June PHILBRICK, PHILETUS HARVEY, M.Sc., C.E.; Chief Engi-
- 1891, June PHILBRICK, PHILETUS HARVEY, M.Sc., C.E.; Chief Engineer of the K. C. W. & G. R. R., Lake Charles, La.
 1896, Nov. PHILLIPS, ANDREW WHEELER, M.A., Ph.D. (Yale); Pro-
- fessor of Mathematics and Dean of the Graduate School, Yale University, New Haven, Conn. 209 York Street.

 PIERPONT, JAMES, Ph.D. (Vienna); Professor of Mathematics and Dean of the Graduate School, Yale University, New Haven, Conn. 2007 Havened.
- matics, Yale University, New Haven, Conn. 357 Howard
 Avenue.

 PIERSON, ISRAEL CORIELL, M.A., Ph.D.; Secretary and
 Editor of Papers and Transactions of the Actuarial Society of America; Actuary of the Washington Life In-

York, N. Y.

surance Company of New York. 21 Cortlandt Street, New

- PLUMLEY, GARDNER LADD; Member of the Actuarial So-1892, Nov.
- ciety of America; Assistant Actuary of the Home Life Insurance Company. 256 Broadway, New York, N. Y. POOR, CHARLES LANE, Ph.D. (Johns Hopkins); Member 1890, Dec.
- of the Astronomische Gesellschaft; F.R.A.S.; Associate Professor of Astronomy, Johns Hopkins University, Baltimore, Md.
- 1897, Feb. PORTER, MILTON BROCKETT, B.Sc., M.A., Ph.D. (Harvard); Instructor in Mathematics, University of Texas, Austin, Texas.
- 1892, May PRENTISS, ROBERT WOODWORTH, M.Sc.; Professor of Mathematics and Astronomy, Rutgers College, New Brunswick, N. J. 142 Hamilton Street.
- PUPIN, MICHAEL IDVORSKY, B.A., Ph.D. (Berlin); Ad-1889, Dec. junct Professor of Mechanics, Columbia University, New York, N. Y. 1891, June Puryear, Charles, B.Sc., M.A., C.E.; Professor of
- Mathematics, Agricultural and Mechanical College of Texas, College Station, Texas.
- 1891, June PUTNAM, KENDRICK S., M.A.; City Chamberlain, Rome, N.Y.
- RAND, JOHN HOLMES, M.A.; Professor of Mathematics, 1894, Mar. Bates College, Lewiston, Me. 28 Frye Street.
- RANUM, ARTHUR, B.A.; Professor of Mathematics and As-1898, Oct. tronomy, University of Washington, Seattle, Washington. 1108 Sixth Avenue.
- 1891, Dec. RAYSON, AMY, B.A.; Joint Principal of School for Girls, New York, N. Y. 176 and 180 West 75th Street.
- REES, JOHN KROM, M.A., E.M., Ph.D.; Member of the 1888, Nov. Astronomische Gesellschaft; F.R.A.S.; Professor of Astronomy and Director of the Observatory, Columbia Uni-
- versity, New York, N. Y. 1893, RICE, CHARLES MOEN, B.A.; Worcester, Mass. P. O. Box Apr. 215.
- RICE, JOHN MINOT, B.Sc., Ph.D. (Stevens Institute); Pro-1891, Apr. fessor of Mathematics of the U. S. Navy, retired; North-
- 1891, ROCKWELL, CHARLES HALL; Tarrytown, N. Y. Oct.

borough, Mass.

- 1891, ROCKWOOD, CHARLES GREENE, JR., M.A., Ph.D. (Yale); May Professor of Mathematics, Princeton University, Princeton, N. J. 34 Bayard Lane.
- 1896. Apr. | ROE, EDWARD DRAKE, M.A., Ph.D. (Erlangen); Associate Professor of Mathematics, Oberlin College, Oberlin, Ohio. 11 Nichols Street, Norwood, Mass.

Date of		20
Admi: 1897,		ROTHROCK, DAVID ANDREW, M.A., Ph.D. (Leipzig); Assistant Professor of Mathematics, University of Indiana, Bloomington, Ind.
1898,	Aug.	SAFFORD, FREDERICK HOLLISTER, M.A., Ph.D. (Harvard); Instructor in Mathematics, Harvard University, Cambridge, Mass. 22 Sacramento Place.
1897,	Dec.	SAUREL, PAUL LOUIS, B.Sc.; Instructor in Mathematics, College of the City of New York. 17 Lexington Avenue, New York, N. Y.
1891,	Nov.	SAYRE, HERBERT ARMISTEAD, B.E., Ph.D. (Johns Hop-kins); Professor of Physics, University of Alabama, University, Ala.
1894,	Mar.	Schlegel, Victor, Ph.D. (Leipzig); Member of the Société Mathématique de France; Member of the Circolo Matematico di Palermo; Professor of Mathematics, Königliche Höhere Maschinenbauschule, Hagen, Germany. Volmestrasse 62.
1898,	Aug.	SCHLESINGER, FRANK, Ph.D. (Columbia). 242 West 135th Street, New York, N. Y.
1892,	Feb.	SCHMIEDEL, OSCAR, B.Sc., M.A.; Professor of Mathematics, Bethany College, Bethany, W. Va.
1895,	Mar.	SCHMITT, COOPER DAVIS, M.A.; Professor of Mathematics, University of Tennessee, Knoxville, Tenn.
1892,	Apr.	SCHULTZE, ARTHUR, Ph.D.; Boys' High School, New York, N. Y.
1893,	Oct.	SCHWATT, ISAAC J., Ph.D.; Assistant Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa.
1891,	May	SCOTT, CHARLOTTE ANGAS, D.Sc. (London); Member of the London Mathematical Society; Member of the Edin- burgh Mathematical Society; Member of the Deutsche Mathematiker-Vereinigung; Member of the Circolo Matematico di Palermo; Professor of Mathematics, Bryn Mawr College, Bryn Mawr, Pa.
1889,	June	SEARLE, REV. GEORGE MARY, M.A., Ph.D.; 415 W. 59th Street, New York, N. Y.
1895,	Aug.	SEE, THOMAS JEFFERSON JACKSON, M.A., Ph.D. (Berlin); Member of the Astronomische Gesellschaft; F.R.A.S.; Astronomer of the Lowell Observatory, Flagstaff, Arizona.
1892,	June	SHACK, FERDINAND, B.Sc., M.A., LL.B.; Inspector of Common Schools. 56 Wall Street, New York, N. Y.
1891,	Apr.	SHATTUCK, SAMUEL WALKER, B.Sc., M.A., C.E.; Professor of Mathematics, University of Illinois, Champaign, Ill.
1894,	Mar.	SHAW, JAMES BYRNIE, M.Sc., D.Sc.; Department of Mathematics, Michigan Military Academy, Orchard Lake,

Mich.

- 1894, Jan. SHIELDS, JOHN FRANKLIN, B.Sc.; Professor of Mathematics, Adelphi College, Brooklyn, N. Y.
- 1893, Oct. SMITH, DAVID EUGENE, Ph.M., Ph.D.; Member of the Deutsche Mathematiker-Vereinigung; Principal of the State Normal School, Brockport, N. Y.
- 1898, Apr. SMITH, EUGENE RANDOLPH, A.B., M.A.; Instructor in Mathematics, Syracuse University, Syracuse, N. Y. 724

 Comstock Avenue.
- 1891, May SMITH, OTIS DAVID, M.A.; Professor of Mathematics, Alabama Polytechnic Institute, Auburn, Ala.
- 1891, Nov. SMITH, PERCEY FRANKLYN, Ph.B., Ph.D.; Assistant Professor of Mathematics, Sheffield Scientific School, Yale University, New Haven, Conn. 118 Humphrey Street.
- 1891, Apr. SMITH, WILLIAM BENJAMIN, M.A., Ph.D. (Göttingen);
 Professor of Mathematics, Tulane University, New Orleans, La.
- 1889, Dec. Snook, Thomas Edward, E.M.; Architect and Engineer. 261 Broadway, New York, N. Y.
- 1895, Apr. SNYDER, MONROE BENJAMIN, M.A.; Professor of Astronomy and Applied Mathematics, Central High School, Philadelphia, Pa. 2402 North Broad Street.
- 1896, Nov. SNYDER, VIRGIL, M.A., Ph.D. (Göttingen); Instructor in Mathematics, Cornell University, Ithaca, N. Y. 40 University Avenue.
- 1892, May SQUIER, GEORGE OWEN, Ph.D. (Johns Hopkins); Lieutenant-Colonel, U. S. A. Signal Corps; First Lieutenant, 3d Artillery, U. S. A.; Manager of the Journal of the U. S. Artillery. Army and Navy Club, Washington, D. C.
- 1888, Nov. STABLER, EDWARD LINCOLN, M.A., Ph.D. (Columbia);

 135 Willow Street, Brooklyn, N. Y.
- 1894, Nov. STECKER, HENRY FREEMAN, M.Sc., Ph.D.; Instructor in Mathematics, Northwestern University, Evanston, Ill. 829 Emerson Street.
- 1891, Jan. STEINMETZ, CHARLES PROTEUS, Electrician, General Electric Company, Schenectady, N. Y.
- 1891, June Stevens, Moses Cobb, M.A.; Professor of Mathematics, Purdue University, Lafayette, Ind. 11 Waldron Street.
- 1891, June St. John, Howell William, Ph.B.; Member of the Actuarial Society of America; Corresponding Member of Institut des Actuaires Français; Actuary of the Ætna Life Insurance Company, Hartford, Conn. P. O. Box 913.
- 1891, May Stone, Ormond, M.A.; Associate Editor of the Annals of Mathematics; Director of the Leander McCormick Observatory and Professor of Practical Astronomy, University of Virginia, Charlottesville, Va.

Date of

- 1897, Feb. Story, William Edward, B.A., Ph.D. (Leipzig); Member of the London Mathematical Society; Editor of the Mathematical Review; Professor of Mathematics, Clark University, Worcester, Mass.
- 1895, Dec. STRONG, WENDELL MELVILLE, M.A., Ph.D. (Yale); Tutor in Mathematics, Yale University, New Haven, Conn. 307 Welch Hall.
- 1891, May TABER, HENRY, B.Ph., Ph.D. (Johns Hopkins); Member of the Loùdon Mathematical Society; Assistant Professor of Mathematics, Clark University, Worcester, Mass.
- 1896, Nov. *TANNER, JOHN HENRY, B.Sc.; Assistant Professor of Mathematics, Cornell University, Ithaca, N. Y. 7 Central Avenue.
- 1889, Dec. TATLOCK, JOHN, JR., M.A.; F.R.A.S.; Assistant Actuary of the Mutual Life Insurance Company of New York. P. O. Box 194, New York, N. Y.
- 1891, Apr. TAYLOR, JAMES MORFORD, M.A., LL.D.; Professor of Mathematics, Colgate University, Hamilton, N. Y.
- 1891, May TAYLOR, THOMAS ULVAN, C.E., M.C.E.; Professor of Applied Mathematics, University of Texas, Austin, Texas.
- 1891, Apr. THOMPSON, HENRY DALLAS, M.A., D.Sc., Ph.D.; Professor of Mathematics, Princeton University, Princeton, N. J. 80 University Place.
- 1897, Jan. THORNBURG, CHARLES LEWIS, B.Sc., C.E., Ph.D.; Professor of Mathematics and Astronomy, Lehigh University, South Bethlehem. Pa. 308 Packer Avenue.
- 1895, Nov. TOWNSEND, EDGAR JEROME, Ph.B., Ph.M.; Associate Professor of Mathematics, University of Illinois, Champaign, Ill. Göttingen, Germany.
- 1893, Nov. Turrell, Isaac Hodges, Principal of the Fourth District School, Cincinnati, O. 403 Chase Street, North Side.
- 1894, Aug. Tyler, Harry Walter, B.Sc., Ph.D. (Erlangen); Professor of Mathematics and Secretary of the Massachusetts Institute of Technology, Boston, Mass.
- 1897, Dec. UNDERHILL, MARY, M.Sc.; Instructor in Mathematics, George School, Pa.
- 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. 204 W. 44th Street.
- 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 W.

 Gorham Street.

Date of

- Admission.
- 1893. Apr. VAN VLECK, EDWARD BURR, M.A., Ph.D. (Göttingen)-Professor of Mathematics, Weslevan University, Middle; town, Conn.
- 1891. VAN VLECK, JOHN MONROE, M.A., LL.D.: Member of the Apr. Astronomische Gesellschaft: Professor of Mathematics and Astronomy, Weslevan University, Middletown, Conn.
- 1890, May VON NARDROFF, ERNEST ROBERT, E.M.: Head of the Science Department, Erasmus Hall High School, Brooklyn,
- 1891. WAIT, LUCIEN AUGUSTUS, B.A., Professor of Mathematics, Cornell University, Ithaca, N. Y. 35 East Avenue.
- 1891. WALDO, CLARENCE ABIATHAR, M.A., Ph.D.; Head Pro-Apr. fessor of Mathematics, Purdue University, Lafavette, Ind. 113 S. Ninth Street.
- 1894. WALKER, LON CAIN, M.A.; Professor of Mathematics, Feb. Montana State Normal School, Dillon, Mon.
- 1898. Dec. WALKER, BUZZ M., B.Sc., M.Sc.; Professor of Mathematics, Mississippi Agricultural and Mechanical College, Agricultural College, Miss.
- 1898, Apr. WASHBURNE, ALVA COURTENAY, Actuarial Division, Metropolitan Life Insurance Company. 1 Madison Avenue. New York, N. Y.
- 1891. Oct. WEBB, JOHN BURKITT, C.E.; Professor of Mathematics and Mechanics, Stevens Institute of Technology, Hoboken,
- 1891. May WEBSTER, ARTHUR GORDON, B.A., Ph.D. (Berlin); Assistant 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.
- WELD, LAENAS GIFFORD, B.Sc., M.A.; Professor of Mathe-1892. Feb. matics and Astronomy, University of Iowa, Iowa City, Ia.
- 1891, Wells, Webster, B.Sc.; Professor of Mathematics, Massa-Apr. chusetts Institute of Technology, Boston, Mass.
- WENTWORTH, GEORGE ALBERT, M.A.; Exeter, N. H. 1891. May
- WENTZ, ESTELLA KATE, B.Sc., M.Sc.; Instructor in Mathe-1896, Sept. matics, Industrial Training School, Indianapolis, Ind.
- WERNICKE, AUGUST LUDWIG PAUL; Professor of Modern 1897, Feb. Languages, State College of Kentucky, Lexington, Ky. 107 East Maxwell Street.
- * WESTERN, ALFRED EDWARD, B.A.; Member of the Lon-1897. Dec. don Mathematical Society. 36 Lancaster Gate, London, W., England.

24 Date of Admission. 1898. Aug. WESTLUND, JACOB, Ph.D. (Yale); Instructor in Mathematics, Yale University, New Haven, Conn. field Street. 1892. Nov. WHITE, HENRY SEELY, B.A., Ph.D. (Göttingen); Noves Professor of Pure Mathematics, Northwestern University, Evanston, Ill. P. O. Box 244. 1898. Oct. WHITEHEAD, ALFRED WORTH, M.A.: Fellow and Lecturer, Trinity College, Cambridge, England. 1891. June WHITNEY, MARY WATSON, M.A.: Professor of Astronomy and Director of the Observatory, Vassar College, Poughkeepsie, N. Y. 1897. Dec. *WHITTAKER, EDMUND TAYLOR, B.A.; Member of the Lon don Mathematical Society; F.R.A.S.; Fellow and Lecturer of Trinity College, Cambridge, England. 1897. Feb. WHITTEMORE, JAMES KELSEY, B.A., M.A.; care of Messrs. Brown, Shipley & Co., Founders Court, London, E. C., England. 1890. WILEY, GEORGE LANGFORD, M.A.; New York Life Insur-Oct. ance Company. 346 Broadway, New York, N. Y. WILLARD, JOSEPH MOODY, B.A.; Professor of Mathematics, 1892. May Pennsylvania State College, State College, Pa. Oxford, N. H.WILLIAMS, CLARK BENEDICT, M.A.; Olney Professor of 1895. May Mathematics, Kalamazoo College, Kalamazoo, Mich. 703 W. South Street. 1892. May WILLIAMS, ELLA CORNELIA, M.A. 146 W. 64th Street, New York, N. Y. WILLIAMS, WILLIAM HILL, M.A.; Chair of Mathematics, 1898, Apr. Wisconsin State Normal School, Platteville, Wis. WILLSON, FREDERICK NEWTON, M.A., C.E.; Professor of 1891, May Descriptive Geometry, Stereotomy and Technical Drawing, John C. Green School of Science, Princeton University, Princeton, N. J. P. O. Box 641. 1897, Jan. WINSTON, MARY FRANCES, B.A., Ph.D. (Göttingen); Professor of Mathematics, Kansas State Agricultural College, Manhattan, Kansas. P. O. Box 414. 1895. Oct. Woods, Frederick S., B.A., Ph.D. (Göttingen); Assistant Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass. 1891, WOODWARD, ROBERT SIMPSON, C.E., Ph.D.; Associate May

versity, New York, N. Y.
WORTHEN, THOMAS WILSON DORR, M.A.; Professor of
Mathematics, Dartmouth College, Hanover, N. H.

Editor of the Annals of Mathematics; Associate Editor of Science; Professor of Mechanics and Mathematical Physics and Dean of the School of Pure Science, Columbia Uni-

Date of Admission.	
1898, Oct.	WRIGHT, WALTER CHANNING, Member of the Actuarial Society of America; Actuary of the New England Mutual Life Insurance Company. 134 Congress Street, Boston, Mass.
1891, May	Young, Jacob William Albert, M.A.; Assistant Professor of Mathematical Pedagogy, University of Chicago, Chicago, Ill. 5758 Washington Avenue.
1893, Mar	YOWELL, EVERETT IRVING, C.E., M.Sc.; Assistant at the Cincinnati Observatory, Cincinnati, O.
1891, June	ZERR, GEORGE B. McCLELLAN, M.A., Ph.D.; Head of Science Department, Chester High School, Chester, Pa.
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. Care of Morgan, Harjes & Co., 31 Boulevard Haussman, Paris, France.
Number of	members, January 1, 1899315
Number of	members, January 1, 1898301