MEMBERS OF THE SOCIETY.

JANUARY 1, 1912.

[Dates of admission in brackets. Life members are designated by *.

ABBE, CLEVELAND, B.Sc., M.A., LL.D.; Editor of the Bulletins of the Mount Weather Observatory; Associate Editor of Beiträge zur Physik der freien Atmosphäre; Professor of Meteorology, U. S. Weather Bureau; Lecturer in Meteorology, Johns Hopkins University, Baltimore, Md. U. S. Weather Bureau, Washington, D. C. [Nov., 1892.]


AIYAR, V. RAMASWAMI, M.A.; Treasury Deputy Collector, Cuddapah, India. [Oct., 1907.]

AKERS, OSCAR PERRY, M.A., Ph.D. (Cornell); Professor of Mathematics, Allegheny College, Meadville, Pa. [Oct., 1905.]

ALEY, ROBERT JUDSON, M.A., Ph.D. (Pennsylvania), LL.D.; Editor of the Educator-Journal; President of the University of Maine, Orono, Me. [Nov., 1891.]

ALLARDICE, ROBERT EDGAR, M.A.; Professor of Mathematics, Stanford University, Cal. [Dec., 1901.]

ALLEN, EDWARD SWITZER, M.A.; Harvard University, Cambridge, Mass. Piazza dell' Esquilino 12, Rome, Italy. [Feb., 1910.]

ALLEN, JOSEPH, M.A.; Assistant Professor of Mathematics, College of the City of New York. 9 Myrtle Street, White Plains, N. Y. [Dec., 1897.]

ALLEN, REGINALD BRYANT, M.Sc., Ph.D. (Clark); Professor of Mathematics, Kenyon College, Gambier, Ohio. [Oct., 1905.]

AMES, LEWIS DARWIN, M.A., Ph.D. (Harvard); Assistant Professor of the Teaching of Mathematics, University of Missouri, Columbia, Mo. 208 Thilly Avenue. [Oct., 1903.]

AMMERMAN, CHARLES, M.A.; Instructor in Mathematics, McKinley High School, St. Louis, Mo. [Dec., 1907.]

ANDEREGG, FREDERICK, M.A.; Professor of Mathematics, Oberlin College, Oberlin, Ohio. 207 East College Street. [Sept., 1911.]
ANDREWS, Grace, B.Sc., Ph.D. (Columbia). 47 Brevoort Place, Brooklyn, N. Y. [Dec., 1901.]

ARCHIBALD, Raymond Clare, M.A., Ph.D. (Strassburg); Assistant Professor of Mathematics, Brown University, Providence, R. I. 9 Charles Field Street. [Oct., 1903.]

ARMSTRONG, Gordon Nelson, M.A.; Professor of Mathematics, Ohio Wesleyan University, Delaware, Ohio. [Dec., 1908.]

ASHCRAFT, Thomas Bryce, B.A., Ph.D. (Johns Hopkins); Associate Professor of Mathematics, Colby College, Waterville, Me. [Oct., 1911.]

ASHTON, Charles Hamilton, M.A.; Professor of Mathematics, Ohio Wesleyan University, Delaware, Ohio. [Dec., 1908.]

ASHCRAFT, Thomas Bryce, B.A., Ph.D. (Johns Hopkins); Associate Professor of Mathematics, Colby College, Waterville, Me. [Oct., 1911.]

ASHTON, Garmon Nelson, M.A.; Professor of Mathematics, Ohio Wesleyan University, Delaware, Ohio. [Dec., 1908.]

ASHCRAFT, Thomas Bryce, B.A., Ph.D. (Johns Hopkins); Associate Professor of Mathematics, Colby College, Waterville, Me. [Oct., 1911.]

BABB, Maurice Jeffers, B.S., Ph.D. (Pennsylvania); Assistant Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa. 157 Cricket Avenue, Ardmore, Pa. [Feb., 1906.]

BACON, Clara Latimer, M.A., Ph.D. (Johns Hopkins); Associate Professor of Mathematics, Goucher College, Baltimore, Md. 2516 North Calvert Street. [Oct., 1911.]

BAILEY, Frederick Harold, M.A.; Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass. [Feb., 1903.]

BAKER, Alfred, M.A.; Professor of Mathematics, University of Toronto, Toronto, Canada. [June, 1891.]

Baker, Richard Philip, B.S., Ph.D. (Chicago); Assistant Professor of Mathematics, State University of Iowa, Iowa City, Ia. 829 Kirkwood Avenue. [Oct., 1904.]

Barney, Ida, Ph.D. (Yale); Acting Professor of Mathematics, Rollins College, Winter Park, Fla. [Dec., 1911.]


Bartlett, Dana Prescott, B.S.; Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass. [Aug., 1903.]

Barton, Ralph Martin, B.A.; Assistant Professor of Mathematics, Dartmouth College, Hanover, N. H. 48 College Street. [Dec., 1909.]

Barton, Samuel Marx, B.A., Ph.D.; Professor of Mathematics, University of the South, Sewanee, Tenn. [Apr., 1892.]

Bass, Edgar Wales, Graduate of the U. S. Military Academy; Colonel U. S. Army, retired. 77 Park Avenue, New York, N. Y. [Apr., 1891.]
BATEMAN, HARRY, M.A.; Lecturer in Mathematics, Bryn Mawr College, Bryn Mawr, Pa. Yarrow West. [Apr., 1911.]

BATES, WILLIAM HUNT, M.A., Ph.D. (Chicago); Associate Professor of Mathematics, Purdue University, Lafayette, Ind. 306 Russell Street, West Lafayette. [Oct., 1903.]

BAUER, GEORGE NEANDER, M.Sc., Ph.D. (Columbia); Professor of Mathematics, University of Minnesota, Minneapolis, Minn. [Dec., 1900.]

BEAL, FREDERICK WAHN, M.A., Ph.D. (Princeton); Instructor in Mathematics, University of Pennsylvania, Philadelphia, Pa. College Hall. [Apr., 1910.]

BEATTY, SAMUEL, M.A.; Lecturer in Mathematics, University of Toronto, Toronto, Canada. [Apr., 1911.]

BECKETT, CHARLES HARRISON, B.A.; Associate Professor of Mathematics, Purdue University, Lafayette, Ind. [Feb., 1905.]

BEER, WILLIAM, M.A.; Professor of Mathematics, Yale University, New Haven, Conn. 262 Bradley Street. [Sept., 1906.]

BEETLE, RALPH DENNISON, M.A.; Instructor in Mathematics, Dartmouth College, Hanover, N. H. 27 East Wheelock Street. [Sept., 1910.]

BEMAN, WOOSTER WOODRUFF, M.A., LL.D.; Professor of Mathematics, University of Michigan, Ann Arbor, Mich. 813 East Kingsley Street. [Apr., 1891.]

BENEDICT, HARRY YANDELL, M.A., Ph.D. (Harvard); Professor of Applied Mathematics and Dean of the College of Arts, University of Texas, Austin, Texas. [Oct., 1901.]

BENNETT, ELIZABETH EUTH, B.A., Ph.D. (Illinois); Instructor in Mathematics, University of Nebraska, Lincoln, Neb. [Feb., 1911.]

BERNSTEIN, BENJAMIN A., B.A.; Instructor in Mathematics, University of California, Berkeley, Cal. [Feb., 1910.]

*BERRY, ARTHUR, M.A.; Fellow and Assistant Tutor in Mathematics, King's College, Cambridge, England. [Feb., 1897.]

BERR, WILLIAM JOHNSTON, M.A., M.Sc., C.E.; Assistant Professor of Mathematics, Brooklyn Polytechnic Institute, Brooklyn, N. Y. 1957 Eighty-Third Street. [Apr., 1910.]

BETZ, WILLIAM, M.A.; Head of the Department of Mathematics and Assistant Principal, East High School, Rochester, N. Y. 160 Grand Avenue. [Feb., 1906.]

BIKlé, CHARLES EARLE, M.A.; Head of the Department of Mathematics, Central High School, Syracuse, N. Y. [Apr., 1902.]

BILL, EARL GORDON, M.A., Ph.D. (Yale); Instructor in Mathematics, Purdue University, Lafayette, Ind. 510 North Salisbury Street. [Feb., 1908.]

BIRKHOFF, GEORGE DAVID, B.A., Ph.D. (Chicago); Editor of the Annals
BLICHFELDT, HANS FREDERIK, M.A., Ph.D. (Leipzig); Associate Professor of Mathematics, Stanford University, Cal. [Dec., 1900.]

*BLISS, GILBERT AMES, M.Sc., Ph.D. (Chicago); Associate Editor of the Transactions of the American Mathematical Society; Associate Professor of Mathematics, University of Chicago, Chicago, Ill. [Dec., 1900.]

*BÖCHER, MAXIME, B.A., Ph.D. (Göttingen); Ex-President; Editor of the Transactions of the American Mathematical Society; Editor of the Annals of Mathematics; Professor of Mathematics, Harvard University, Cambridge, Mass. 48 Buckingham Street. [Apr., 1892.]

BOGARTE, MARTIN EUGENE, M.A.; Professor of Mathematics, Valparaiso University, Valparaiso, Ind. College Avenue and Locust Street. [Oct., 1899.]

BOLZA, OSKAR, Ph.D. (Göttingen); Non-Resident Professor of Mathematics, University of Chicago, Chicago, Ill.; Honorary Professor of Mathematics, University of Freiburg, Freiburg, Germany. Reichsgrafenstrasse 10. [Nov., 1891.]

BÖRGER, ROBERT LACEY, M.A., Ph.D. (Chicago); Associate in Mathematics, University of Illinois, Urbana, Ill. 1105 West Oregon Street. [Dec., 1905.]

*BOUTON, CHARLES LEONARD, M.Sc., M.A., Ph.D. (Leipzig); Assistant Professor of Mathematics, Harvard University, Cambridge, Mass. 5 Avon Street. [Dec., 1898.]

BOWDEN, JOSEPH, B.A., Ph.D. (Yale); Professor of Mathematics, Adelphi College, Brooklyn, N. Y. 24 Clifton Place. [Dec., 1900.]

BOYD, PAUL PRENTICE, M.A., Ph.D. (Cornell); Professor of Mathematics, Hanover College, Hanover, Ind. [Oct., 1907.]

BRACKETT, FRANK PARKHURST, M.A.; Professor of Mathematics and Director of the Observatory, Pomona College, Claremont, Cal. [Feb., 1903.]

BRADSHAW, JOHN WILLIAM, M.A., Ph.D. (Strassburg); Assistant Professor of Mathematics, University of Michigan, Ann Arbor, Mich. 1234 Prospect Street. [Apr., 1907.]

BRAND, LOUIS, Ch.E., E.E., M.A.; Assistant Professor of Mathematics, University of Cincinnati, Cincinnati, Ohio. [Dec., 1911.]

BRECKENBRIDGE, WILLIAM EDWIN, M.A.; Head of the Department of Mathematics, Stuyvesant High School; Instructor in Mathematics, Teachers College, Columbia University, New York, N. Y. 345 East 15th Street. [Feb., 1905.]

BRENKE, WILLIAM CHARLES, M.Sc., Ph.D. (Harvard); Associate Pro-
Professor of Mathematics, University of Nebraska, Lincoln, Neb. 1250 South 21st Street. [Feb., 1906.]

Brewster, John Alfred, B.A.; Tutor in Mathematics, College of the City of New York; Professor of Mathematics, College of Mount Saint Mary, Plainfield, N. J.; Professor of Economics, College of New Rochelle, New Rochelle, N. Y. 17 Lexington Avenue, New York, N. Y. [Oct., 1908.]

Bromwich, Thomas John Pancor, Sc.D., F.R.S.; Secretary of the London Mathematical Society; Fellow and Lecturer of St. John's College and University Lecturer in Mathematics, Cambridge University, Cambridge, England. 2 Selwyn Gardens. [Sept., 1902.]

Brooke, William Ellsworth, B.C.E., M.A.; Professor of Mathematics and Mechanics, College of Engineering, University of Minnesota, Minneapolis, Minn. [Dec., 1901.]

Brooks, Charles Edward, B.A., Ph.D. (Johns Hopkins); Instructor in Mathematics, Northwestern University, Evanston, Ill. [Sept., 1911.]


*Brown, Ernest William, M.A., Sc.D. (Cambridge); Editor of the Bulletin of the American Mathematical Society; Assistant Editor of the Astronomical Journal; Professor of Mathematics, Yale University, New Haven, Conn. 111 Everitt Street. [Feb., 1892.]

Brown, George Lincoln, M.Sc., Ph.D. (Chicago); Professor of Mathematics and Dean of the Faculty, South Dakota State College, Brookings, S. D. [Oct., 1900.]

*Brown, J. Stanford, B.Ph., M.A.; Vice-President and Treasurer of the New York Realty Owners Incorporated. 10 Belmont Avenue, Yonkers, N. Y. [Sept., 1902.]

Buchanan, Daniel, M.A., Ph.D. (Chicago); Assistant Professor of Mathematics, Queen's University, Kingston, Ontario, Canada. [Feb., 1911.]

Buchanan, Herbert Earle, M.A., Ph.D. (Chicago); Professor of Mathematics, University of Tennessee, Knoxville, Tenn. [Apr., 1908.]

Buck, Thomas, B.Sc., Ph.D. (Chicago); Instructor in Mathematics, University of California, Berkeley, Cal. 2131 Haste Street. [Sept., 1907.]

*Bullard, Warren Gardner, B.A., Ph.D. (Clark); Professor of Mathematics, Syracuse University, Syracuse, N. Y. 613 South Crouse Avenue. [Aug., 1899.]

Bullis, Abram Rogers, B.Sc., B.C.E. Macedon, Wayne County, N. Y. [June, 1891.]

Burgess, Horace Thomas, M.A., Ph.D. (Yale); Instructor in Mathematics, University of Wisconsin, Madison, Wis. 812 West Dayton Street. [Oct., 1909.]
BURRELL, ELLEN LOUISA, B.A.; Professor of Pure Mathematics and Head of the Department, Wellesley College, Wellesley, Mass. [Feb., 1903.]

BUSSEY, WILLIAM HENRY, M.A., Ph.D. (Chicago); Assistant Professor of Mathematics, University of Minnesota, Minneapolis, Minn. [Oct., 1904.]

BUTTS, WILLIAM HENRY, M.A., Ph.D. (Zurich); Junior Professor of Mathematics and Assistant Dean of the Department of Engineering, University of Michigan, Ann Arbor, Mich. 919 Oakland Avenue. [Oct., 1908.]

BYERLY, WILLIAM ELWOOD, M.A., Ph.D. (Harvard); Perkins Professor of Mathematics, Harvard University, Cambridge, Mass. 39 Hammond Street. [Apr., 1891.]

CAIN, WILLIAM, C.E., M.A.; Professor of Mathematics, University of North Carolina, Chapel Hill, N. C. [June, 1891.]

CAIRNS, WILLIAM DEWESE, M.A., Ph.D. (Gottingen); Associate Professor of Mathematics, Oberlin College, Oberlin, Ohio. 400 East College Street. [Feb., 1905.]

CAJORI, FLORIAN, M.Sc., Ph.D.; Professor of Mathematics and Dean of the Engineering School, Colorado College, Colorado Springs, Colo. 1119 Wood Avenue. [Apr., 1899.]

CAMP, BURTON HOWARD, M.A., Ph.D. (Yale); Associate Professor of Mathematics, Wesleyan University, Middletown, Conn. 41 Brainerd Avenue. [Dec., 1907.]

CAMPBELL, DONALD FRANCIS, Ph.D. (Harvard); Professor of Mathematics, Armour Institute of Technology, Chicago, Ill. [Dec., 1900.]


CAPRON, PAUL, M.A.; Instructor in Mathematics, U. S. Naval Academy, Annapolis, Md. [Oct., 1897.]

CAREY, EUGENE FRANCIS ALOYSIUS, B.Sc.; Instructor in Mathematics, University of Montana, Missoula, Mont. [Apr., 1908.]

CARMICHAEL, ROBERT DANIEL, B.A., Ph.D. (Princeton); Assistant Professor of Mathematics, Indiana University, Bloomington, Ind. [Apr., 1906.]

CARPENTER, ALLEN FULLER, M.A.; Instructor in Mathematics, University of Washington, Seattle, Wash. 4024 Tenth Avenue, N. E. [Oct., 1906.]

CARRUTH, WILLIAM MASSEY, B.A.; Assistant Professor of Mathematics, Hamilton College, Clinton, N. Y. P. O. Box 25. [Dec., 1907.]

CARTER, BENJAMIN EDWARD, M.A.; Assistant Professor of Mathematics, Colby College, Waterville, Me. [Feb., 1906.]
CARVER, WALTER BUCKINGHAM, Ph.B., Ph.D. (Johns Hopkins); Assistant Professor of Mathematics, Cornell University, Ithaca, N. Y. 201 Fairmount Avenue. [Dec., 1905.]


CHAMBERS, GEORGE GAILEY, B.A., Ph.D. (Pennsylvania); Assistant Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa. 55 East Essex Avenue, Lansdowne, Pa. [Sept., 1908.]

CHAPMAN, FRANK E., M.A.; Professor of Mathematics, Southern University, Greensboro, Ala. [Apr., 1908.]

CHESNIN, ALEXANDER S., M.A., C.E., Ph.D. 130 Pearl Street, New York, N. Y. [Nov., 1895.]

CHITTENDEN, J. BRACE, B.Sc., M.A., Ph.D. (Königsberg); Professor of Mathematics, Brooklyn Polytechnic Institute, Brooklyn, N. Y. [Nov., 1895.]

CLARK, JOHN EMORY, M.A.; Emeritus Professor of Mathematics, Yale University, New Haven, Conn. 34 South Park Terrace, Longmeadow, Mass. [Apr., 1891.]

CLARKE, JOHN EASTMAN, B.A., Ph.D. (Boston); Acting Professor of Philosophy, Boston University, Boston, Mass. 18 Centre Street, Cambridge, Mass. [Dec., 1900.]

CLEMENTS, GUY ROGER, M.A.; Instructor in Mathematics, University of Wisconsin, Madison, Wis. 15 South Bassett Street. [Dec., 1907.]

COBB, CHARLES W., M.A.; Assistant Professor of Mathematics, Amherst College, Amherst, Mass. [Dec., 1911.]

COBB, HERBERT EDGAR, M.A.; Mathematics Editor of School Science and Mathematics; Professor and Head of the Department of Mathematics, Lewis Institute, Chicago, Ill. [Apr., 1907.]

COLE, ARTHUR B., M.A., Ph.D. (Johns Hopkins); Associate Professor of Mathematics, Johns Hopkins University, Baltimore, Md. [Dec., 1902.]

Coddington, EMILY, M.A., Ph.D. (Columbia). 24 West 58th Street, New York, N. Y. [Dec., 1905.]

COHEN, ABRAHAM, B.A., Ph.D. (Johns Hopkins); Coeditor of the American Journal of Mathematics; Associate in Mathematics, Johns Hopkins University, Baltimore, Md. [Feb., 1893.]

*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. [Apr., 1891.]
COLLINS, JOSEPH VICTOR, B.Ph., Ph.D.; Teacher of Mathematics, State Normal School, Stevens Point, Wis. 217 Division Street. [Dec., 1899.]

COLPITTS, ELMER CLIFFORD, B.A., Ph.D. (Cornell); Assistant Professor of Mathematics, State College of Washington, Pullman, Wash. 411 Montgomery Street. [Sept., 1906.]

COLPITTS, JULIA TRUEMAN, M.A.; Assistant Professor of Mathematics, Iowa State College, Ames, Ia. [Dec., 1907.]

COMSTOCK, CLARENCE ELMER, M.A.; Professor of Mathematics and Head of the Department, Bradley Polytechnic Institute, Peoria, Ill. [Aug., 1903.]

COMSTOCK, ELTING HOUGHTALING, M.Sc.; Professor of Mechanics and Mathematics, School of Mines, University of Minnesota, Minneapolis, Minn. [Feb., 1898.]


CONNER, JAMES RYALS, B.A., Ph.D. (Johns Hopkins); Johns Hopkins University, Baltimore, Md. [Dec., 1909.]

CONSTANTIUS, BROTHER, M.A., Ph.D. (St. Louis), LL.D.; Professor of Philosophy, Christian Brothers College, Memphis, Tenn. [Sept., 1906.]

CONVERSE, HENRY A., B.A., Ph.D. (Johns Hopkins); Head of the Department of Mathematics, Baltimore Polytechnic Institute, Baltimore, Md. 1204 Mount Royal Avenue. [Sept., 1904.]

CONWELL, GEORGE MACFEELY, M.A., Ph.D. (Princeton); Instructor in Mathematics, Yale University, New Haven, Conn. 631 Yale Station. [Sept., 1908.]

#COOLIDGE, JULIAN LOWELL, B.A., B.Sc., Ph.D. (Bonn); Assistant Professor of Mathematics, Harvard University, Cambridge, Mass. 7 Fayerweather Street. [June, 1900.]

COREY, SAMUEL ARTHUR, Treasurer of the Wapello Coal Company, Hite-man, Ia. [Apr., 1907.]

CORNISH, WILLIAM AARON, B.A.; Instructor in Mathematics, State Normal School, Cortland, N. Y. 32 Owego Street. [Dec., 1902.]

COWLEY, ELIZABETH BUCHANAN, M.A., Ph.D. (Columbia); Collaborator of the Revue Semestrielle des Publications Mathématiques; Instructor in Mathematics, Vassar College, Poughkeepsie, N. Y. [Feb., 1903.]

CRAIG, CLYDE FIRMAN, B.A., Ph.D. (Cornell); Instructor in Mathematics, Cornell University, Ithaca, N. Y. 320 North Aurora Street. [Oct., 1908.]
CRATHORNE, ARTHUR E., B.A., Ph.D. (Göttingen); Associate in Mathematics, University of Illinois, Champaign, Ill. 1113 South Fourth Street. [Dec., 1900.]

CRAWLEY, EDWIN SCHOFIELD, B.Sc., Ph.D. (Pennsylvania); Thomas A. Scott Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa. [Apr., 1891.]


CUNNINGHAM, SUSAN J., Emeritus Professor of Mathematics and Astronomy, Swarthmore College, Swarthmore, Pa. 3508 Arch Street, Philadelphia, Pa. [Dec., 1891.]

CURJEL, HARALD WORTHINGTON, M.A.; La Mexicana Compañía de Seguros sobre la Vida, Mexico, D. F., Mexico. Apartado 651. [Dec., 1900.]

CURRIER, CLINTON HARVEY, M.A.; Instructor in Mathematics, Brown University, Providence, R. I. [Feb., 1908.]

CURTIS, ARTHUR MILLS, B.Sc.; Instructor in Mathematics, State Normal and Training School, Oneonta, N. Y. [Oct., 1904.]

CURTIS, HAROLD BARTLETT, B.A., Ph.D. (Cornell); Instructor in Mathematics, Barnard College, Columbia University, New York, N. Y. [Feb., 1911.]

CURTISS, DAVID EAYMOND, M.A., Ph.D. (Harvard); Professor of Mathematics, Northwestern University, Evanston, Ill. 720 Milburn Street. [Feb., 1902.]

DALAKER, HANS H., B.A.; Assistant Professor of Mathematics, University of Minnesota, Minneapolis, Minn. 523 Walnut Street, S. E. [Oct., 1909.]

DAVIS, CHARLES HENRY. South Yarmouth, Mass. [Oct., 1900.]


DAVIS, ELLERY WILLIAMS, B.Sc., Ph.D. (Johns Hopkins); Head Professor of Mathematics and Dean of the College of Arts and Sciences, University of Nebraska, Lincoln, Neb. [Apr., 1891.]

*DAVIS, HARVEY NATHANIEL, Ph.D.; Assistant Professor of Physics, Harvard University, Cambridge, Mass. 8 Ash Street Place. [Aug., 1903.]

DAVIS, JOSEPH MORTON, B.Sc., M.A.; Associate Professor of Mathematics, State University of Kentucky, Lexington, Ky. 340 Madison Place. [Oct., 1911.]

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DAVIS, Nathaniel French, M.A., LL.D.; Professor of Pure Mathematics, Brown University, Providence, R. I. 159 Brown Street. [Apr., 1891.]

Davisson, Schuyler Colfax, M.A., Sc.D.; Professor of Mathematics, Indiana University, Bloomington, Ind. 515 East Third Street. [Feb., 1905.]

Dechard, Mary Elizabeth, M.A.; Instructor in Mathematics, University of Texas, Austin, Tex. 2313 Nueces Street. [Oct., 1905.]

Decker, Floyd Fiske, Ph.M., Ph.D. (Syracuse); Assistant Professor of Mathematics, Syracuse University, Syracuse, N. Y. 854 Sumner Avenue. [Sept., 1908.]

DeCou, Edgar Ezekiel, M.Sc.; Professor and Head of the Department of Mathematics, University of Oregon, Eugene, Ore. 719 Mill Street. [Feb., 1905.]


Defo, Luther Marion, Professor of Mechanics, University of Missouri, Columbia, Mo. [Dec., 1900.]

Deimel, Richard Francis, M.A.; Assistant Professor of Mechanics, Stevens Institute, Hoboken, N. J. [Dec., 1903.]

DeLong, Ira Mitchell, M.A.; Professor of Mathematics, University of Colorado, Boulder, Colo. 1341 Broadway. [May, 1891.]

DeLury, Alfred Tennyson, M.A.; Professor of Mathematics, University of Toronto, Toronto, Canada. [Jan., 1895.]

*Denett, William Sawyer, B.A., M.D. 8 East 49th Street, New York, N. Y. [Jan., 1892.]

Denton, William Wells, M.A.; Fellow in Mathematics, University of Illinois, Urbana, Ill. 505 South Sixth Street, Champaign, Ill. [Apr., 1909.]

Dickson, Leonard Eugene, B.Sc., M.A., Ph.D. (Chicago); Editor of the Transactions of the American Mathematical Society; Professor of Mathematics, University of Chicago, Chicago, Ill. [Nov., 1896.]


Dines, Lloyd L., M.A., Ph.D. (Chicago); Instructor in Mathematics, Columbia University, New York, N. Y. [Feb., 1911.]

Dodd, Edward Lewis, M.A., Ph.D. (Yale); Instructor in Mathematics, University of Texas, Austin, Texas. 1206 Guadalupe Street. [Sept., 1904.]

Dohmen, Franz Joseph, B.Lit., Ph.D. (Greifswald); 503 West 19th Street, Austin, Texas. [Dec., 1905.]
DOWLING, LINNAEUS WAYLAND, Ph.D. (Clark); Assistant Professor of Mathematics, University of Wisconsin, Madison, Wis. 2 Roby Road. [Apr., 1897.]

DOWNEY, JOHN F., C.E., M.Sc., M.A.; Professor of Mathematics and Dean of the College of Science, Literature and the Arts, University of Minnesota, Minneapolis, Minn. [Feb., 1901.]

DRESDE N, AR NOLD, M.Sc., Ph.D. (Chicago); Instructor in Mathematics, University of Wisconsin, Madison, Wis. 1120 West Johnson Street. [Sept., 1907.]

DROKE, GEORGE WESLEY, M.A.; Professor of Mathematics and Astronomy, University of Arkansas, Fayetteville, Ark. 103 Hill Street. [Sept., 1906.]

DUN KEL, OTTO, M.E., M.A., Ph.D. (Harvard); Instructor in Mathematics, University of Missouri, Columbia, Mo. 602 Sanford Street. [Oct., 1902.]

DURELL, FLETCHER, B.A., Ph.D.; Master in Mathematics, Lawrenceville School, Lawrenceville, N. J. [Apr., 1891.]

DURFEE, WILLIAM PITT, B.A., Ph.D. (Johns Hopkins); Professor of Mathematics and Dean of the Faculty, Hobart College, Geneva, N. Y. 615 Main Street. [Apr., 1891.]

DUVAL, EDMUND PENDLETON RANDOLPH, B.Sc., M.A.; Instructor in Mathematics, Princeton University, Princeton, N. J. 36 Bank Street. [Feb., 1904.]

ECHOLS, CHARLES PATTON, Graduate of the U. S. Military Academy; Lieutenant-Colonel, U. S. A.; Professor of Mathematics, U. S. Military Academy, West Point, N. Y. [Sept., 1905.]

ECHOLS, WILLIAM HOLDING, B.Sc.; Professor of Mathematics, University of Virginia, Charlottesville, Va. [ Apr., 1891.]

EDDY, HENRY TURNER, C.E., M.A., Ph.D., LL.D.; Head Professor of Mathematics and Mechanics, College of Engineering, and Dean of the Graduate School, University of Minnesota, Minneapolis, Minn. 916 Sixth Street, S. E. [Apr., 1891.]

EDMONDS O N, THOMAS WILLIAM, B.A., Ph.D. (Clark); Professor of Mathematics, New York University, New York, N. Y. University Heights. [Dec., 1896.]

EDWARDS, GEORGE CUNNINGHAM, B.Ph.; Professor of Mathematics, University of California, Berkeley, Cal. [Sept., 1902.]

EE LLS, WALTER CROSBY, M.A.; Professor of Mathematics, Whitworth College, Tacoma, Wash. [Oct., 1911.]

EIESLAND, JOHN, B.Ph., Ph.D. (Johns Hopkins); Professor of Mathematics, University of West Virginia, Morgantown, W. Va. [Feb., 1897.]
*Eisenhart, Luther Pfahler, B.A., Ph.D. (Johns Hopkins); Editor of the Annals of Mathematics; Professor of Mathematics, Princeton University, Princeton, N. J. 22 Alexander Street. [Dec., 1900.]


Emch, Arnold, M.Sc., Ph.D. (Kansas); Assistant Professor of Mathematics, University of Illinois, Urbana, Ill. 402 West Elm Street. [Nov., 1896.]

Emmons, Clyde W., M.A.; Professor of Mathematics, Simpson College, Indianola, Ia. [Oct., 1910.]

Engberg, Carl Christian, B.Sc., M.A., Ph.D. (Nebraska); Professor of Applied Mathematics, University of Nebraska, Lincoln, Neb. [Apr., 1898.]

Engler, Edmund Arthur, M.A., Ph.D., LL.D.; Secretary and Treasurer of Washington University, St. Louis, Mo. [Mar., 1892.]


Epsteen, Saul, B.Sc., Ph.D. (Zurich); Professor of Mathematics, University of Colorado, Boulder, Colo. 1317 Seventh Street. [Sept., 1904.]


Esty, Thomas Cushing, M.A.; Professor of Mathematics, Amherst College, Amherst, Mass. [Dec., 1901.]

Esty, William Cole, LL.D.; Emeritus Professor of Mathematics and Astronomy, Amherst College, Amherst, Mass. [May, 1891.]

Evans, George William, B.A.; Headmaster of the Charlestown High School, Boston, Mass. 17 Everett Avenue, Dorchester, Mass. [Feb., 1910.]


Evans, Henry Brown, M.E., Ph.D. (Pennsylvania); Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa. College Hall. [Sept., 1905.]

Ewing, William Ferdinand, B.A. 305 Florio Street, Oakland, Cal. [Sept., 1898.]

Faught, John Brookie, M.A., Ph.D.; Professor of Mathematics, Western State Normal School, Kalamazoo, Mich. 1409 Academy Street. [Feb., 1899.]

Feemster, Howard Calvin, M.A.; Professor of Mathematics, York College, York, Neb. [Oct., 1910.]
*Ferry, Frederick Carlos, M.A., Ph.D. (Clark), Sc.D. (Colgate); Professor of Mathematics and Dean, Williams College, Williamstown, Mass. [Feb., 1901.]

Field, Floyd, M.A.; Professor of Mathematics and Head of the Department, Georgia School of Technology, Atlanta, Ga. 91 Bryan Street. [Apr., 1907.]

Field, Peter, M.Sc., Ph.D. (Cornell); Assistant Professor of Mathematics, University of Michigan, Ann Arbor, Mich. 1054 Ferdon Road. [June, 1900.]

*Fields, John Charles, Ph.D. (Johns Hopkins); Associate Professor of Mathematics, University of Toronto, Toronto, Canada. [May, 1891.]

Findlay, William, M.A., Ph.D. (Chicago); Professor of Mathematics, McMaster University, Toronto, Canada. [Oct., 1901.]

Fine, Henry Burchard, M.A., Ph.D. (Leipzig), LL.D.; Professor of Mathematics and Dean, Princeton University, Princeton, N. J. [May, 1891.]

Finkel, Benjamin Franklin, Ph.D.; Editor of the American Mathematical Monthly; Professor of Mathematics and Physics, Drury College, Springfield, Mo. 1227 Clay Street. [June, 1891.]

Fisher, George Egbert, M.A., Ph.D.; Professor of Mathematics and Dean of the College Faculty, University of Pennsylvania, Philadelphia, Pa. [Oct., 1891.]

Fisher, Irving, B.A., Ph.D. (Yale); Professor of Political Economy, Yale University, New Haven, Conn. 460 Prospect Street. [Jan., 1895.]

*Fiske, Thomas Scott, M.A., Ph.D. (Columbia); Ex-President; Professor of Mathematics, Columbia University, New York, N. Y. [Nov., 1888.]

Fitch, Annie Louise Mackinnon (Mrs. Edward), M.Sc., Ph.D. Clinton, N. Y. [Feb., 1897.]

Fite, William Benjamin, Ph.D. (Cornell); Professor of Mathematics, Columbia University, New York, N. Y. [Oct., 1901.]

Fitterer, John Conrad, B.Sc.(C.E.); Professor of Civil and Irrigation Engineering, University of Wyoming, Laramie, Wyo. [Dec., 1911.]


Fleet, Robert Ryland, M.A., Ph.D. (Heidelberg); Professor of Mathematics, William Jewell College, Liberty, Mo. 44 Miller Avenue. [Oct., 1904.]

Flowers, Robert Lee, Graduate of the U. S. Naval Academy; Professor of Mathematics, Trinity College, Durham, N. C. [Oct., 1894.]
FOCKE, THEODORE M., B.Sc., Ph.D. (Göttingen); Kerr Professor of Mathematics, Case School of Applied Science, Cleveland, Ohio. [Feb., 1907.]

FORD, ROBERT DALE, M.Sc.; Professor of Mathematics, St. Lawrence University, Canton, N. Y. [Apr., 1900.]

*FORD, WALTER BURTON, M.A., Ph.D. (Harvard); Junior Professor of Mathematics, University of Michigan, Ann Arbor, Mich. 904 Forest Avenue. [Aug., 1899.]


*FRANKLAND, FREDERICK WILLIAM; Government Examiner in Statistical Method and in Actuarial and Pure Mathematics, Foxton, New Zealand. [Dec., 1893.]

FRANKLIN, FABIAN, B.Ph., Ph.D. (Johns Hopkins), LL.D.; The Evening Post, New York, N. Y. [Dec., 1892.]

FRAZER, FRANK DEAN, B.Sc., M.A. 1206 Haight Avenue, Portland, Ore. [Feb., 1903.]

FRENCH, JOHN SHAW, B.A., Ph.D. (Clark); Principal of the Morris Heights School, Providence, R. I. [Feb., 1905.]

FRIZELL, ARTHUR BOWES, M.A., Ph.D. (Kansas); Professor of Mathematics, McPherson College, McPherson, Kans. 1010 East Euclid Street. [Nov., 1895.]

GABA, MEYER, M.Sc.; Instructor in Mathematics, Dartmouth College, Hanover, N. H. [Apr., 1909.]

GAEBH, PAUL FREDERICK, M.A.; Professor of Physics, Wells College, Aurora, N. Y. [Dec., 1908.]

GALE, ARTHUR SULLIVAN, B.A., Ph.D. (Yale); Fayerweather Professor of Mathematics, University of Rochester, Rochester, N. Y. 35 Vick Park B. [Oct., 1899.]

GARRETT, WILLARD HAYES, B.Sc.; Professor of Mathematics and Astronomy, Baker University, Baldwin, Kan. [Apr., 1909.]

GARRISON, WILBERT A., M.A.; Assistant Professor of Mathematics, Engineering School, Union University, Schenectady, N. Y. 99 Van Vranken Avenue. [Feb., 1909.]

GAYETT, GEORGE IRVING, B.Sc. (C.E.); Assistant Professor of Mathematics, University of Washington, Seattle, Washington. 5018 University Boulevard. [Dec., 1904.]

GENTRY, RUTH, Ph.B., Ph.D. (Bryn Mawr); Stilesville, Ind. [Feb., 1894.]

GERMANN, GEORGE B., B.A., Ph.D. (Columbia); Principal of Public School No. 130, Ocean Parkway and Fort Hamilton Avenue, Brooklyn, N. Y. [Dec., 1897.]

GIBSON, George Alexander, M.A., LL.D.; Professor of Mathematics, University of Glasgow, Glasgow, Scotland. 10 The University. [Oct., 1903.]

GILLESPIE, David Clinton, M.A., Ph.D. (Göttingen); Assistant Professor of Mathematics, Cornell University, Ithaca, N. Y. 309 Stuart Avenue. [Feb., 1907.]

GILLESPIE, William, B.A., Ph.D. (Chicago); Professor of Mathematics, Princeton University, Princeton, N. J. 78 Alexander Street. [Apr., 1904.]

Githens, Curran Ellsworth, M.A.; Supervising Principal of Schools, Wheeling, W. Va. 25 Kentucky Avenue. [Feb., 1910.]


Glashan, John Stuart Cadenhead, LL.D. Ottawa, Canada. [May, 1891.]

Glazier, Harriet Eudora, M.A.; Professor of Mathematics, Western College for Women, Oxford, Ohio. [Sept., 1906.]

Glenn, Oliver Edmunds, M.A., Ph.D. (Pennsylvania); Assistant Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa. College Hall. [Dec., 1905.]

Glover, James Waterman, M.A., Ph.D. (Harvard); Professor of Mathematics and Insurance, University of Michigan, Ann Arbor, Mich. 620 Oxford Road. [Nov., 1896.]

Goodenough, George Alfred, M.E.; Professor of Thermodynamics, University of Illinois, Urbana, Ill. 605 South Lincoln Avenue. [Feb., 1904.]


Gould, Alice Bache, B.A. 535 Beacon Street, Boston, Mass. [Feb., 1902.]


Graber, Myron Earle, M.A.; Professor of Physics, Heidelberg University, Tiffin, O. 125 Circular Street. [Dec., 1904.]

GRANT, ELMER DANIEL, M.A.; Assistant Professor of Mathematics and Physics, Michigan College of Mines, Houghton, Mich. [Oct., 1904.]

GRANVILLE, WILLIAM ANTHONY, B.Ph., Ph.D. (Yale), LL.D. (Lafayette); President of Pennsylvania College, Gettysburg, Pa. [May, 1897.]

GRAUSTEIN, WILLIAM CASPAR, M.A.; Baumschulerallee 29, Bonn, Germany. [Sept., 1911.]


GRAVES, GORDON HARWOOD, B.Sc., M.A.; Instructor in Mathematics, Columbia University, New York, N. Y. [Dec., 1911.]

GRAY, WILLIAM H., M.A.; [Sept., 1905.]


GRIFFIN, FRANK LOXLEY, M.Sc., Ph.D. (Chicago); Professor of Mathematics, Reed College, Portland, Ore. [Apr., 1906.]

GRIFFITH, JOHN HOWELL, M.Sc.; Assistant Professor of Civil Engineering, University of Michigan, Ann Arbor, Mich. [Apr., 1911.]

GRIFFITHS, IDA, B.A. 95 Garden Street, Poughkeepsie, N. Y. [Dec., 1893.]

GRIMES, NATHAN CESNA, M.A.; Professor of Mathematics, University of Arizona, Tucson, Ariz. [Sept., 1910.]

GROAT, BENJAMIN FELAND, B.Sc., LL.M.; Hydraulic Engineer, St. Lawrence River Power Company, Massena, N. Y. [Oct., 1899.]

GROVE, CHARLES CLAYTON, M.A., Ph.D. (Johns Hopkins); Assistant Professor of Mathematics, Columbia University, New York, N. Y. [Feb., 1907.]

GUCCIA, GIOVANNI BATTISTA, NOB. DEI MARCHESI DI GANZARIA, Math.D. (Rome); Member of the International Commission of the Répertoire Bibliographique des Sciences Mathématiques; Founder and Director of the Rendiconti del Circolo Matematico di Palermo; Professor of Higher Geometry, University of Palermo, Palermo, Italy. Via Ruggiero Settimo, 80. [Sept., 1905.]

GUMMERE, HENRY VOLKMAR, B.Sc., M.A.; Professor of Mathematics, Drexel Institute, Philadelphia, Pa. [June, 1894.]

GUNDELFINGER, GEORGE FREDERICK, B.Ph., Ph.D. (Yale); Instructor in Mathematics, Sheffield Scientific School, Yale University, New Haven, Conn. 886 Yale Station. [Apr., 1909.]

GUNDERSEN, CARL, M.A., Ph.D. (Columbia); Professor of Mathematics, Oklahoma Agricultural and Mechanical College, Stillwater, Okla. [Feb., 1902.]
GUNTER, CHARLES OTTO, M.E.; Professor of Mathematics and Head of
the Department, Stevens Institute of Technology, Hoboken, N. J.
[Sept., 1906.]

HALL, ARTHUR GRAHAM, B.Sc., Ph.D. (Leipzig); Professor of Mathematics, University of Michigan, Ann Arbor, Mich. [Dec., 1902.]


HALSTED, GEORGE BRUCE, M.A., Ph.D. (Johns Hopkins); Professor of Mathematics, State Teachers College of Colorado, Greeley, Colo. 942 Ninth Avenue. [May, 1891.]

*HANAWALT, FRANCIS WAYLAND, M.A.; Professor of Mathematics and Astronomy, University of Puget Sound, Tacoma, Wash. 826 North Steele Street. [Oct., 1901.]

HANCOCK, HARRIS, B.A., Ph.D. (Berlin), D.Sc. (Paris); Professor of Mathematics, University of Cincinnati, Cincinnati, Ohio. 2415 Auburn Avenue, Mount Auburn. [Apr., 1895.]

HANNA, ULYSSES S., M.A., Ph.D. (Pennsylvania); Associate Professor of Mathematics, Indiana University, Bloomington, Ind. 828 Atwater Avenue. [Dec., 1900.]

*HARDCASTLE, FRANCES. 3 Osborn Terrace, Newcastle-on-Tyne, England. [Feb., 1894.]

HARDY, JAMES GRAHAM, M.A., Ph.D. (Johns Hopkins); Associate Professor of Mathematics, Williams College, Williamstown, Mass. [Apr., 1902.]

*HARKNESS, JAMES, M.A.; Professor of Mathematics, McGill University, Montreal, Canada. [May, 1891.]

HARSHBARGER, WILLIAM ASBURY, B.Sc.; Professor of Mathematics, Washburn College, Topeka, Kan. 1401 College Avenue. [Apr., 1909.]

HART, JAMES NORMIS, C.E., M.Sc.; Professor of Mathematics and Astronomy, University of Maine, Orono, Me. [Apr., 1891.]

HARTWELL, GEORGE WILBER, M.A., Ph.D. (Columbia); Professor of Mathematics, Hamline University, St. Paul, Minn. 737 Fry Street. [Apr., 1907.]

HARVEY, HENRY CLAY, M.Sc.; Head of the Department of Mathematics, State Normal School, Kirksville, Mo. 1815 East Normal Avenue. [Feb., 1904.]

HASEMAN, CHARLES, M.A., Ph.D. (Göttingen); Professor of Mathematics and Mechanics, University of Nevada, Reno, Nev. [Oct., 1907.]

HASKELL, MELLEN WOODMAN, M.A., Ph.D. (Göttingen); Professor of Mathematics, University of California, Berkeley, Cal. P. O. Box 5. [Dec., 1899.]
Haskins, Charles Nelson, B.Sc., Ph.D. (Harvard); Assistant Professor of Mathematics, Dartmouth College, Hanover, N. H. R. F. D. I, Lebanon, N. H. [Feb., 1903.]

Hathaway, Arthur Stafford, B.Sc., Professor of Mathematics, Rose Polytechnic Institute, Terre Haute, Ind. 2206 North Tenth Street. [May, 1891.]

Hawkes, Herbert Edwin, B.A., Ph.D. (Yale); Professor of Mathematics, Columbia University, New York, N. Y. [Aug., 1898.]


Haynes, Arthur Edwin, M.Sc., M.Ph., Sc.D. (Hillsdale); Professor of Engineering Mathematics, University of Minnesota, Minneapolis, Minn. 703 River Road East. [Sept., 1908.]

Haynes, Eli Stuart, M.A.; Instructor in Astronomy, University of Missouri, Columbia, Mo. Laws Observatory. [Dec., 1905.]

H'Doubler, Francis Todd, M.A., Ph.D. (Wisconsin); Instructor in Mathematics, University of Wisconsin, Madison, Wis. 221 North Brooks Street. [Sept., 1910.]

Hedrick, Earle Raymond, M.A., Ph.D. (Gottingen); Professor and Head of the Department of Mathematics, University of Missouri, Columbia, Mo. 304 Hicks Avenue. [Aug., 1901.]

Henderson, Robert, B.A.; Assistant Actuary of the Equitable Life Assurance Society. 120 Broadway, New York, N. Y. [Sept., 1910.]

Hewes, Laurence Ilsley, B.Sc., Ph.D. (Yale); Senior Highway Engineer, Office of Public Roads, Washington, D. C. [Dec., 1900.]


Higley, Homer Ransom, M.Sc.; Assistant Professor of Mathematics, Stevens Institute, Hoboken, N. J. [Oct., 1906.]

Hilderbrandt, Theophil Henry, B.A., M.Sc., Ph.D. (Chicago); Instructor in Mathematics, University of Michigan, Ann Arbor, Mich. 513 Elm Street. [Sept., 1907.]

Hill, George William, Ph.D., Sc.D., LL.D.; Ex-President; Assistant Editor of the Astronomical Journal. West Nyack, N. Y. [Dec., 1892.]

Hilterbrandt, Adam Miller, M.A., Ph.D. (Princeton); Instructor in Mathematics, Worcester Academy, Worcester, Mass. [Sept., 1905.]


Hitchcock, Raymond Royce, M.A.; Instructor in Mathematics, University of North Dakota, University, N. Dak. [Oct., 1910.]
HODGE, FREDERICK HUMBERT, M.A.; Professor of Mathematics, Franklin College, Franklin, Ind. 670 East Jefferson Street. [Feb., 1905.]

HODGE, PERCY, B.A., B.Sc., Ph.D. (Cornell). Professor of Physics, Stevens Institute of Technology, Hoboken, N. J. [Dec., 1910.]

HODGKINS, HOWARD LINCOLN, M.A., Ph.D. (George Washington); Professor and Head of the Department of Mathematics and Dean of the College of Engineering, George Washington University, Washington, D. C. [Apr., 1902.]

HOGREFFE, LOUIS T. W., Ph.C., B.Sc.; Consulting and Research Chemist. 90 Beekman Street, New York, N. Y. [Apr., 1909.]

HOLGATE, THOMAS FRANKLIN, M.A., Ph.D. (Clark), LL.D.; Professor of Mathematics and Dean of the College of Liberal Arts, Northwestern University, Evanston, Ill. 617 Library Street. [Feb., 1895.]

HOSKINS, LEANDER MILLER, C.E., M.Sc.; Professor of Applied Mathematics, Stanford University, Palo Alto, Cal. 365 Lincoln Avenue. [Dec., 1902.]

HUTCHINSON, JOHN IRWIN, B.A., Ph.D. (Chicago); Associate Editor of the Transactions of the American Mathematical Society; Professor of Mathematics, Cornell University, Ithaca, N. Y. Cornell Heights. [Nov., 1896.]
HYDE, EDWARD WYLLYS, C.E.; Actuary of the Columbia Life Insurance Company, Cincinnati, Ohio. 314 Lincoln Avenue, Station D. [May, 1891.]

INGOLD, LOUIS, M.A., Ph.D. (Chicago); Instructor in Mathematics, University of Missouri, Columbia, Mo. [Apr., 1904.]

IRWIN, FRANK, B.Sc., M.A., Ph.D. (Harvard); Instructor in Mathematics, University of California, Berkeley, Cal. 2632 Hose Street. [Dec., 1908.]

JACKSON, DUNHAM, M.A., Ph.D. (Gottingen); Instructor in Mathematics, Harvard University, Cambridge, Mass. 5 Conant Hall. [Sept., 1911.]

JACKSON, LAMBERT LINCOLN, M.A., Ph.D.; Head of the Educational Department of D. Appleton and Company, New York, N. Y. 35 West 32nd Street. [Dec., 1901.]

JACOBS, DAVID S., M.E.; Advisory Engineer, The Babcock and Wilcox Company, New York, N. Y.; Special Lecturer in Experimental Engineering, Stevens Institute of Technology, Hoboken, N. J. 70 Summit Avenue, Jersey City, N. J. [Jan., 1892.]

JAMES, GEORGE OSCAR, Ph.D. (Johns Hopkins); Assistant Professor of Mathematics and Astronomy, Washington University, St. Louis, Mo. [Sept., 1906.]


JOHNSON, BENJAMIN FRANKLIN, M.A.; Professor of Mathematics, Missouri State Normal School, Cape Girardeau, Mo. [Sept., 1906.]

JOHNSON, WILLIAM WOOLSEY, M.A.; Professor of Mathematics, U. S. Naval Academy, Annapolis, Md. [Mar., 1891.]

JONES, CECIL CHARLES, M.A., Ph.D. (New Brunswick), LL.D. (Toronto); Chancellor of the University of New Brunswick, Fredericton, N. B., Canada. [Apr., 1907.]

JONES, JOHN LEWIS, M.A., Ph.D. (Yale); Instructor in Mathematics, Yale University, New Haven, Conn. 293 York Street. [Oct., 1111.]

KARPINSKI, LOUIS CHARLES, B.A., Ph.D. (Strassburg); Assistant Professor of Mathematics, University of Michigan, Ann Arbor, Mich. 912 Forest Avenue. [Oct., 1904.]

*KASNER, EDWARD, M.A., Ph.D. (Columbia); Associate Editor of the Transactions of the American Mathematical Society; Professor of Mathematics, Columbia University, New York, N. Y. 22 West 119th Street. [Oct., 1899.]

KELLOGG, OLIVER DIMON, M.A., Ph.D. (Gottingen); Professor of Mathe-
Kennelly, A. E., M.A., D.Sc.; Professor of Electrical Engineering, Harvard University, Cambridge, Mass. [Dec., 1891.]

Kent, Frederick Charles, B.A.; Associate Professor of Mathematics, University of Oklahoma, Norman, Okla. [Oct., 1911.]

Kenyon, Alfred Monroe, M.A.; Professor and Head of the Department of Mathematics, Purdue University, Lafayette, Ind. 315 University Street, West Lafayette. [Dec., 1900.]

Keppel, Herbert G., M.A., Ph.D. (Clark); Professor of Mathematics, University of Florida, Gainesville, Florida. [Aug., 1897.]

# Keyser, Cassius Jackson, B.Sc., M.A., Ph.D. (Columbia); American Editorial Representative of the Hibbert Journal; Adrain Professor and Head of the Department of Mathematics, Columbia University, New York, N. Y. [Aug., 1897.]

Knisely, Alexander, B.Sc. Columbia City, Ind. [Dec., 1891.]

Koch, Ernest Herman, Jr., B.Sc.; Instructor in Mathematics, Pratt Institute, Brooklyn, N. Y. Baker Street, Maplewood, N. J. [Apr., 1903.]

Krathwohl, William Charles, M.A.; Instructor in Mathematics, Washington University, St. Louis, Mo. [Dec., 1907.]

Kuhn, Harry Waldo, Ph.D. (Cornell); Professor of Mathematics, Ohio State University, Columbus, Ohio. 1501 Michigan Avenue. [Oct., 1901.]


*LaDue, Pomeroy, B.Sc. Judson, N. C. [Apr., 1894.]

Lambert, Preston Albert, M.A.; Professor of Mathematics, Lehigh University, South Bethlehem, Pa. 215 South Center Street, Bethlehem. [Dec., 1893.]


Lamont, John Kenyon, B.Sc., M.A., Ph.D. (Yale); Instructor in Mathematics, Wesleyan University, Middletown, Conn. 5 Stowe Avenue. [Apr., 1910.]


Lanza, Gaetano, B.Sc., C. and M.E.; Emeritus Professor of Theoretical and Applied Mechanics, Massachusetts Institute of Technology, Boston, Mass. The Montevista, Philadelphia, Pa. [Apr., 1898.]
LASKER, EMANUEL, Ph.D. (Erlangen). *Aschaffenburgerstrasse 6a*, Berlin-Wilmersdorf, Germany. [Oct., 1906.]

LAUER, KURT, M.A., Ph.D. (Berlin); Associate Professor of Astronomy, University of Chicago, Chicago, Ill. [May, 1897.]

LEFSCHETZ, SOLOMON, Ph.D. (Clark); Instructor in Mathematics, University of Nebraska, Lincoln, Neb. [Dec. 1911.]


LEHMER, DERRICK NORMAN, M.A., Ph.D. (Chicago); Associate Professor of Mathematics, University of California, Berkeley, Cal. *2736 Regent Street*. [Oct., 1900.]

LEIB, DAVID DEITZ, M.A., Ph.D. (Johns Hopkins); Instructor in Mathematics, Yale University, New Haven, Conn. [Feb., 1909.]

LENNES, NELS JOHANN, M.Sc., Ph.D. (Chicago); Instructor in Mathematics, Columbia University, New York, N. Y. [Aug., 1903.]

LEONARD, HEMAN BURL, B.Sc., Ph.D. (Colorado); Assistant Professor of Mathematics, University of Oregon, Eugene, Ore. [Apr., 1905.]

LESTER, OLIVER CLARENCE, M.A., Ph.D. (Yale); Professor of Physics, University of Colorado, Boulder, Colo. *1121 Eleventh Street*. [Oct., 1904.]

LEUSCHNER, ARMIN OTTO, B.A., Ph.D. (Berlin), Sc.D. (Honorary); Professor of Astronomy and Director of the Students’ Observatory, University of California, Berkeley, Cal. *1816 Scenic Avenue*. [Feb., 1892.]

LEVI-CIVITA, TULLIO, Math.D. (Padua); Editor of the *Bulletin of the American Mathematical Society*; Professor of Theoretical Mechanics, University of Padua, Padua, Italy. *Via Altinate, 14*. [Sept., 1904.]

LIGHT, GEORGE HEYSER, M.A.; Instructor in Mathematics, Purdue University, Lafayette, Ind. [Dec., 1911.]

LINEHAN, PAUL HENRY, B.A.; Tutor in Mathematics, College of the City of New York, New York, N. Y. *607 West 138th Street*. [Sept., 1908.]

LING, GEORGE HERBERT, Ph.D. (Columbia); Professor of Mathematics, and Dean of the Faculty of Arts and Science, University of Saskatchewan, Saskatoon, Canada. [June, 1894.]

LIPKE, JOSEPH, B.Sc., M.A., Ph.D. (Columbia); Instructor in Mathematics, Massachusetts Institute of Technology, Boston, Mass. [Apr., 1907.]

LITTLE, CHARLES NEWTON, B.A., Ph.D. (Yale); Professor of Civil Engineering, and Dean of the College of Engineering, University of Idaho, Moscow, Id. [Dec., 1900.]
LOCKE, LESLIE LELAND, M.A. 950 St. John’s Place, Brooklyn, N. Y. [June, 1900.]

LONGLEY, WILLIAM RAYMOND, M.Sc., Ph.D. (Chicago); Assistant Professor of Mathematics, Yale University, New Haven, Conn. 171 Brownell Street. [Apr., 1906.]

LOVE, AUGUSTUS EDWARD HOUGH, M.A., D.Sc. (Oxford); Honorary Secretary of the London Mathematical Society; Sedleian Professor of Natural Philosophy, Oxford University, Oxford, England. 34 St. Margaret’s Road. [Feb., 1901.]

LOVE, JAMES LEE, M.A.; Director of the Provident Teachers Agency, 120 Tremont Street, Boston, Mass. [Apr., 1891.]

*LOVETT, EDGAR ODELL, M.A., Ph.D. (Virginia, Leipzig), LL.D. (Drake, Tulane); President of the Rice Institute, Houston, Texas. [Oct., 1894.]

LOVITT, WILLIAM VERNON, B.A., Ph.M.; Instructor in Mathematics, University of Washington, Seattle, Wash. [Sept., 1911.]

LOWBER, JAMES WILLIAM, M.A., Ph.D., D.Sc., LL.D.; 113 East 18th Street, Austin, Texas. [Feb., 1905.]


LUDLOW, HENRY HUNT, Graduate of the U. S. Military Academy; Colonel, U. S. Coast Artillery. Fort Carwell, N. C. [Nov., 1896.]

LUNN, ARTHUR C., M.A., Ph.D. (Chicago); Assistant Professor of Applied Mathematics, University of Chicago, Chicago, Ill. [Feb., 1903.]


LYMER, JOHN CHARLES, M.A.; Professor of Mathematics, Lawrence College, Appleton, Wis. 485 John Street. [Sept., 1904.]

LYTLE, ERNEST BARNES, B.Sc., M.A., Ph.D. (Yale); Associate in Mathematics, University of Illinois, Urbana, Ill. 708 South Goodwin Avenue. [Dec., 1904.]

McCLENON, EAYMOND BENEDICT, B.A., Ph.D. (Yale); Associate Professor of Mathematics, Iowa College, Grinnell, Ia. 1155 Main Street. [Apr., 1905.]

*McCLINTOCK, EMORY, M.A., Ph.D., LL.D.; Ex-PRESIDENT; Actuary of the Mutual Life Insurance Company of New York. 32 Nassau Street, New York, N. Y. [Dec., 1889.]

McCORMACK, THOMAS JOSEPH, LL.B., M.A.; Principal of the La Salle-Peru High School, La Salle, Ill. [Aug., 1903.]

McDONALD, JOHN HECTOR, B.A., Ph.D. (Chicago); Assistant Professor of Mathematics, University of California, Berkeley, Cal. 2337 Telegraph Avenue. [Apr., 1902.]
McEwen, George Francis, B.A., Ph.D. (Stanford); Instructor in Mathematics, University of Illinois, Urbana, Ill. 809 West Nevada Street. [Sept., 1910.]

Kelvey, Joseph Vance, M.A., Ph.D. (Cornell); Instructor in Mathematics, Cornell University, Ithaca, N. Y. 405 College Avenue. [Oct., 1909.]

McKinney, Thomas Emery, M.A., Ph.D. (Chicago); Professor of Mathematics and Astronomy, University of South Dakota, Vermillion, S. D. [Nov., 1895.]

McMahon, James, M.A.; Professor of Mathematics, Cornell University, Ithaca, N. Y. 7 Central Avenue. [Apr., 1891.]

McNeill, Malcolm, M.A., Ph.D.; Professor of Mathematics and Astronomy, Lake Forest University, Lake Forest, Ill. [Apr., 1891.]

*Macaulay, Francis Sowerby, M.A., D.Sc. (London); Associate Editor of the Mathematical Gazette. 19 Dewhurst Road, Brook Green, London, W., England. [Dec., 1898.]

Macfarlane, Alexander, M.A., D.Sc (Edinburgh), LL.D.; President of the Association for Promoting Quaternions and Allied Mathematics. 317 Victoria Avenue, Chatham, Ontario, Canada. [May, 1891.]

MacGregor, Hazel Hope, B.Sc, M.A.; Instructor in Mathematics, University of Kansas, Lawrence, Kan. 1845 Tennessee Street. [Oct., 1909.]

MacInnes, Charles Ranald, M.A., Ph.D. (Johns Hopkins); Preceptor in Mathematics, Princeton University, Princeton, N. J. [Feb., 1911.]

MacLagan-Wedderburn, Joseph H., M.A., D.Sc.; Editor of the Annals of Mathematics; Assistant Professor of Mathematics, Princeton University, Princeton, N. J. 95 Mercer Street. [Feb., 1905.]

MacLaurin, Richard Cockburn, M.A., Sc.D., LL.D. (Cambridge); President of the Massachusetts Institute of Technology, Boston, Mass. [Apr., 1908.]

MacLay, James, C.E., Ph.D. (Columbia); Professor of Mathematics, Columbia University, New York, N. Y. [Nov., 1888.]

MacMillan, William Duncan, M.A., Ph.D. (Chicago); Instructor in Astronomy, University of Chicago, Chicago, Ill. 5407 Woodlawn Avenue. [Apr., 1906.]

MacNeill, Murray, M.A.; Professor of Mathematics, Dalhousie University, Halifax, Nova Scotia, Canada. [Dec., 1907.]

MacNeil, Harris Franklin, M.Sc, Ph.D. (Chicago); Instructor in Mathematics, Sheffield Scientific School, Yale University, New Haven, Conn. 352 Temple Street. [Sept., 1908.]

Maddison, Isabel, B.Sc, Ph.D. (Bryn Mawr); Recording Dean and
Assistant to the President, Bryn Mawr College, Bryn Mawr, Pa. [Jan., 1897.]

Maglott, Mrs. Eva Sisson, M.A., C.E.; Professor of Mathematics, Ohio Northern University, Ada, Ohio. 516 South Simon Street. [Feb., 1911.]

Mahoney, James Owen, B.E., M.Sc.; Teacher of Mathematics, High School, Dallas, Texas. 1900 Crockett Street. [Sept., 1907.]

Maltbie, William Henry, M.A., Ph.D. (Johns Hopkins); Attorney at Law. 626 Equitable Building, Baltimore, Md. [Aug., 1897.]

Manchester, James Eugene, B.Sc., D.Sc. (Tübingen). Moore, Mont. [June, 1900.]

Mann, Charles Riborg, M.A., Ph.D. (Berlin); Associate Professor of Physics, University of Chicago, Chicago, Ill. [Nov., 1891.]

Manning, Henry Parker, B.A., Ph.D. (Johns Hopkins); Associate Professor of Pure Mathematics, Brown University, Providence, R. I. [Nov., 1891.]

Manning, William Albert, M.A., Ph.D. (Stanford); Assistant Professor of Applied Mathematics, Stanford University, Cal. [Oct., 1903.]

Markley, Joseph Lybrand, M.A., Ph.D. (Harvard); Professor of Mathematics, University of Michigan, Ann Arbor, Mich. Geddes and Oxford Road. [June, 1891.]

Marshall, William, M.Sc., Ph.D. (Zurich); Associate Professor of Mathematics, Purdue University, Lafayette, Ind. 514 South Tenth Street. [Feb., 1908.]

Martin, Artemas, M.A., Ph.D., LL.D.; Coast and Geodetic Survey, Washington, D. C. 918 N Street, N. W. [Apr., 1891.]

Martin, Emilie Norton, Ph.D. (Bryn Mawr); Associate Professor of Mathematics, Mount Holyoke College, South Hadley, Mass. [Dec., 1899.]

Martin, Louis Adolphe, Jr., M.E., M.A.; Professor of Mechanics and Dean, Stevens Institute of Technology, Hoboken, N. J. 911 Castle Point Terrace. [Dec., 1903.]

Martin, Thomas Adams, B.Sc., M.A.; Assistant Professor of Mathematics and Physics, Mount Union College, Alliance, Ohio. [Oct., 1908.]

*Mason, Max, B.L., Ph.D. (Göttingen); Associate Editor of the Transactions of the American Mathematical Society; Professor of Mathematical Physics, University of Wisconsin, Madison, Wis. [Oct., 1903.]

Mathews, Robert Maurice, B.A.; Instructor in Mathematics, University High School, University of Chicago, Chicago, Ill. 6058 Madison Avenue. [Apr., 1910.]
MELCHER, GEORGE, B.A.; Head of the Department of Mathematics, State Normal School, Springfield, Mo. 1107 Bardell Avenue. [Apr., 1909.]


MENDICOTT, GEORGE, ABBOT, B.A., Ph.D. (Yale); Associate Professor of Mathematics, Wellesley College, Wellesley, Mass. [Oct., 1903.]

MERRIMAN, MANSFIELD, Ph.D., Sc.D.; Consulting Engineer. 1071 Madison Avenue, New York, N. Y. [Apr., 1891.]

MERRICK, HIRAM JOHN, Lit.B., Ph.D.; Actuary of the Travelers Insurance Company, Hartford, Conn. [June, 1889.]

MESSICK, JOHN FREDERICK, B.A., Ph.D. (Johns Hopkins); Associate Professor of Mathematics, Alabama Polytechnic Institute, Auburn, Ala. [Sept., 1907.]

METZLER, WILLIAM H., B.A., Ph.D. (Clark); Editor of the Mathematics Teacher; Associate Editor of the Journal of Pedagogy; Francis H. Root Professor of Mathematics and Dean of the Graduate School, Syracuse University, Syracuse, N. Y. 760 Comstock Avenue. [Oct., 1891.]

MIKESH, JAMES STEPHEN, B.A.; Instructor in Mathematics, University of Minnesota, Minneapolis, Minn. [Feb., 1910.]

MILES, EGERT J., M.A., Ph.D. (Chicago); Instructor in Mathematics, Sheffield Scientific School, Yale University, New Haven, Conn. 913 Yale Station. [Apr., 1908.]

MILLER, ERNEST ALLEN, B.Sc., M.A.; 113 North Tioga Street, Ithaca, N. Y. [Oct., 1903.]

MILLER, FRANK ELLSWORTH, M.A., Ph.D.; Professor of Mathematics, Otterbein University, Westerville, Ohio. [Apr., 1910.]

MILLER, GEORGE A., Ph.D.; Editor of the American Mathematical Monthly; Professor of Mathematics, University of Illinois, Urbana, Ill. 1103 West Illinois Street. [Apr., 1898.]

MILLER, JOHN ANTHONY, M.A., Ph.D. (Chicago); Professor of Mathematics and Astronomy, Swarthmore College, Swarthmore, Pa. [Oct., 1899.]

MILNE, WILLIAM J., M.A., Ph.D., LL.D.; President of the New York State Normal College, Albany, N. Y. 5 Elk Street. [Feb., 1906.]

MITCHELL, HENRY BEDINGER, E.E., M.A.; Professor of Mathematics, Columbia University, New York, N. Y. The Benedict, 80 Washington Square East. [Dec., 1900.]

MITCHELL, ULYSSES GRANT, M.A., Ph.D. (Princeton); Assistant Professor of Mathematics, University of Kansas, Lawrence, Kan. 1240 Rhode Island Street. [Oct., 1909.]

MONTGOMERY, WILLIAM JOHN, M.A., Ph.D. (Clark); State Actuary of the Commonwealth of Massachusetts, Boston, Mass. 161 Devonshire Street. [Oct., 1910.]

MOODY, WILLIAM ALBION, M.A.; Professor of Mathematics, Bowdoin College, Brunswick, Me. 60 Federal Street. [May, 1891.]

MOORE, CLARENCE LEMUEL ELISHA, B.Sc., M.A., Ph.D. (Cornell); Assistant Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass. [Feb., 1903.]

MOORE, CHARLES NAPOLEON, B.A., M.Sc., Ph.D. (Harvard); Assistant Professor of Mathematics, University of Cincinnati, Cincinnati, Ohio. 1123 East Third Street. [Dec., 1907.]

MOORE, ELIAKIM HASTINGS, B.A., Ph.D. (Yale; Göttingen, honorary), LL.D. (Wisconsin), Sc.D. (Yale), Math.D. (Clark); Ex-President; Editor of the Rendiconti del Circolo Matematico di Palermo; Professor and Head of the Department of Mathematics, University of Chicago, Chicago, Ill. 5607 Monroe Avenue. [May, 1891.]


MOREHEAD, JAMES CADDALL, M.A., M.Sc., Ph.D. (Yale); Assistant Professor of Mathematics, Northwestern University, Evanston, Ill. 1939 Sherman Avenue. [Apr., 1905.]

MORENO, HALCOTT C., M.A., Ph.D. (Clark); Associate Professor of Applied Mathematics, Stanford University, Cal. [Apr., 1902.]

MORITZ, BOBERT EDOUARD, B.Sc., Ph.D. (Nebraska), Ph.N.D. (Strasbourg); Professor and Head of the Department of Mathematics, University of Washington, Seattle, Wash. [Dec., 1904.]

MORLEY, FRANK, M.A., Sc.D. (Cambridge); Editor of the American Journal of Mathematics; Professor of Mathematics, Johns Hopkins University, Baltimore, Md. [May, 1891.]

MORRIS, CHARLES CLEMENTS, M.A.; Assistant Professor of Mathematics, Ohio State University, Columbus, Ohio [Oct., 1910.]

MORRIS, RICHARD, M.Sc., Ph.D. (Cornell); Professor of Mathematics and Graphics, Rutgers College, New Brunswick, N. J. 94 Easton Avenue. [Feb., 1906.]

MORRISON, FRANK MARION, B.A.; Assistant Professor of Mathematics, University of Washington, Seattle, Wash. 4719 Fifteenth Avenue, N. E. [Apr., 1904.]

MORROW, EMERSON BOYD, M.A.; Mathematics Master and Senior Master, Gilman Country School for Boys, Baltimore, Md. [Sept., 1906.]
MOULTON, ELTON JAMES, B.Sc., M.A.; Fellow in Mathematics, University of Chicago, Chicago, Ill. [Apr., 1911.]

MOULTON, FOREST KAY, B.A., Ph.D. (Chicago); Associate Editor of the Transactions of the American Mathematical Society; Associate Professor of Astronomy, University of Chicago, Chicago, Ill. [Feb., 1900.]

*MUKHOPÂDHYÂY ASUTOSH, M.A., LL.D.; Examiner in Mathematics and Member of the Syndicate, University of Calcutta; Professor of Mathematics at the Indian Association for the Cultivation of Science. 77 Russa Road North, Bhowanipore, Calcutta, India. [Dec., 1900.]


MURRAY, DANIEL ALEXANDER, B.A., Ph.D. (Johns Hopkins); Professor of Applied Mathematics, McGill University, Montreal, Canada. [Dec., 1890.]

MYERS, GEORGE WILLIAM, M.L., Ph.D. (Munich); Departmental Editor of School Science and Mathematics; Professor of the Teaching of Mathematics, and Mathematical Supervisor of the School of Education, University of Chicago, Chicago, Ill. 1953 East 72nd Street (Bryn Mawr). [Apr., 1904.]

NEIKIRK, LEWIS IRVING, M.Sc, Ph.D. (Pennsylvania); Instructor in Mathematics, University of Washington, Seattle, Wash. [Aug., 1903.]

NELSON, ALFRED BRIERLEY, M.A., M.D.; Emeritus Professor of Mathematics, Central University, Danville, Ky. 443 West Lexington Avenue. [June, 1891.]

NEWCOMER, HARRY SIDNEY, M.A.; University of Wisconsin, Madison, Wis. 221 North Brooks Street. [Oct., 1910.]

NEWKIRK, BURT LEROY, M.A., Ph.D. (Munich); Assistant Professor of Mathematics and Mechanics, College of Engineering, University of Minnesota, Minneapolis, Minn. [Dec., 1904.]

NEWSON, MARY WINSTON, B.A., Ph.D. (Göttingen). 1620 Massachusetts Street, Lawrence, Kan. [Jan., 1897.]

NICHOLS, THOMAS FLINT, B.A., Ph.D. (Clark); Assistant Engineer, State Engineer’s Office. Clinton, N.Y. [Aug., 1899.]


NOBLE, CHARLES ALBERT, B.Sc., Ph.D. (Göttingen); Associate Professor of Mathematics, University of California, Berkeley, Cal. 2224 Piedmont Avenue. [Dec., 1899.]
OBEAR, GEORGE BARROWS, M.Sc., Ph.D.; Professor of Physics, Colby College, Waterville, Me. [Sept., 1906.]

OLDS, GEORGE DANIEL, M.A., LL.D.; Professor of Mathematics, Amherst College, Amherst, Mass. [Dec., 1891.]

OSBORNE, GEORGE ABBOTT, B.Sc; Walker Professor of Mathematics Emeritus, Massachusetts Institute of Technology, Boston, Mass. [Apr., 1891.]

OSGOOD, WILLIAM FOGG, M.A., Ph.D. (Erlangen), LL.D. (Clark); Executive; Editor of the *Rendiconti del Circolo Matematico di Palermo*; Professor of Mathematics, Harvard University, Cambridge, Mass. 74 Avon Hill Street. [Feb., 1895.]

OWENS, FREDERICK W., M.Sc., Ph.D. (Chicago); Instructor in Mathematics, Cornell University, Ithaca, N. Y. 37 West Avenue, Cornell Heights. [Apr., 1906.]

PAGE, JAMES MORRIS, M.A., Ph.D. (Leipzig); Professor of Mathematics and Dean of the University of Virginia, Charlottesville, Va. [Dec., 1900.]

PAINE, GEORGE PORTER, M.A.; Assistant Professor of Mathematics, University of Minnesota, Minneapolis, Minn. [Feb., 1910.]

PALMER, ERIK SCHJÖTH, Ph.B.; Instructor in Mathematics, Rutgers College, New Brunswick, N. J. 70 Lawrence Avenue, Livingston Manor. [Dec., 1911.]

PALMER, THOMAS WAVERLY, M.A., LL.D.; President of the Alabama Girls Technical Institute, Montevallo, Ala. [Feb., 1907.]

PALMIÉ, ANNA HELENE, B.Ph.; Professor of Mathematics, College for Women, Western Reserve University, Cleveland, O. 422 Mayfield Road. [May, 1897.]

*PARTRIDGE, EDWARD ANSON, B.Sc., M.A., Ph.D.; Head of the Department of Science and Professor of Physics, Central Manual Training School, Philadelphia, Pa. 17th and Wood Streets. [Mar., 1894.]

PATTERSON, JAMES LAWSON, B.Ph., D.Sc. (Princeton, honorary); Head Master of Chestnut Hill Academy, Chestnut Hill, Philadelphia, Pa. [Dec., 1896.]

PATTILLO, NATHAN ALLEN, M.A., Ph.D. (Johns Hopkins); Professor of Mathematics, Randolph-Macon Woman's College, Lynchburg, Va. [Feb., 1907.]

PEDESEN, FREDERICK MALLING, E.E., D.Sc.; Assistant Professor of Mathematics, College of the City of New York, New York, N. Y. 492 West 144th Street. [Sept., 1906.]

PEEK, MANSFIELD THEODORE, M.A.; Professor of Pure Mathematics and Astronomy, Emory College, Oxford, Ga. [Oct., 1908.]

PEIRCE, BENJAMIN OSGOOD, Ph.D. (Leipzig); Hollis Professor of Mathe-
mathematics and Natural Philosophy, Harvard University, Cambridge, Mass. Jefferson Physical Laboratory. [May, 1891.]
Pell, Alexander, Ph.D. (Johns Hopkins); Associate Professor of Mathematics, Armour Institute, Chicago, Ill. [Oct., 1898.]
Pell, Anna Johnson (Mrs. Alexander), Ph.D. (Chicago); Instructor in Mathematics, Mount Holyoke College, South Hadley, Mass. [Feb., 1906.]
Pemberton, Walker S., B.Sc.; Professor of Mathematics, Wheaton College, Wheaton, Ill. 814 College Avenue. [Feb., 1908.]
Pesta, Rose Alice, M.L.; Principal of the McAllister School, Chicago, Ill. 442 East 34th Street. [Feb., 1906.]
Pettegew, David Lyman. P. O. Box 75, Worcester, Mass. [Oct., 1893.]
Phillips, Andrew Wheeler, M.A., Ph.D. (Yale); Emeritus Professor of Mathematics and Dean of the Graduate School, Yale University, New Haven, Conn. 137 Wall Street. [Nov., 1896.]
Phillips, Henry Bayard, B.Sc., Ph.D. (Johns Hopkins); Instructor in Mathematics, Massachusetts Institute of Technology, Boston, Mass. [Feb., 1906.]
Pierce, Archie Burton, B.Sc., M.A., Ph.D. (Zurich); Assistant Professor of Civil Engineering, University of Michigan, Ann Arbor, Mich. 1027 Fordon Road. [Aug., 1903.]
Pierpont, James, Ph.D. (Vienna), LL.D. (Clark); Professor of Mathematics, Yale University, New Haven, Conn. 42 Mansfield Street. [Oct., 1894.]
Pitcher, Arthur Dunn, M.A., Ph.D. (Chicago); Assistant Professor of Mathematics, Dartmouth College, Hanover, N. H. [Oct., 1910.]
Plant, Louis Clark, Ph.M.; Professor of Mathematics, University of Montana, Missoula, Mont. 404 Eddy Avenue. [Oct., 1911.]
Plimpton, George Arthur, B.A.; Trustee of Amherst College; Treasurer of Barnard College. Ginn and Company, 70 Fifth Avenue, New York, N. Y. [Feb., 1905.]
Ponzer, Ernest William, M.Sc.; Assistant Professor of Applied Mathematics, Stanford University, Cal. [Feb., 1905.]
Poor, Charles Lane, Ph.D. (Johns Hopkins); Professor of Celestial Mechanics, Columbia University, New York, N. Y. 35 Thomas Street. [Dec., 1890.]
Poor, John Merrell, B.A., Ph.D. (Princeton); Assistant Professor of Astronomy, Dartmouth College, Hanover, N. H. [Sept., 1905.]
Porter, Milton Brockett, B.Sc., M.A., Ph.D. (Harvard); Professor of Mathematics, University of Texas, Austin, Texas. [Feb., 1897.]
Posey, Francis Dunnington, B.A. 420 Higgins Building, Los Angeles, Cal. [Feb., 1907.]


PRENTISS, ROBERT WOODWORTH, M.Sc.; Professor of Mathematics and Astronomy, Rutgers College, New Brunswick, N. J. 7 Grant Avenue, Highland Park. [May, 1892.]

PROCTOR, CHARLES A., B.A.; Assistant Professor of Mathematics, Dartmouth College, Hanover, N. H. [Oct., 1907.]

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PUTNAM, THOMAS MILTON, M.Sc., Ph.D. (Chicago); Assistant Professor of Mathematics, University of California, Berkeley, Cal. [Apr., 1902.]

PUTNAM, WILLIAM LOWELL, B.A., LL.B.; Attorney at Law; Chairman of the Committee appointed by the Overseers of Harvard University to visit the Department of Mathematics. 60 State Street, Boston, Mass. [Feb., 1910.]

RAGSDALE, VIRGINIA, B.A., Ph.D. (Bryn Mawr). Jamestown, N. C. [Dec., 1903.]

RANUM, ARTHUR, Ph.D. (Chicago); Editor of the Bulletin of the American Mathematical Society; Assistant Professor of Mathematics, Cornell University, Ithaca, N. Y. 109 Elston Place. [Oct., 1904.]

RASOR, S. EUGÈNE, M.A., M.Sc.; Associate Professor of Mathematics, Ohio State University, Columbus, Ohio. [Dec., 1903.]

RAYSON, AMY, M.A.; Joint Principal of School for Girls, New York, N. Y. 168 West 75th Street. [Dec., 1891.]

RAYWORTH, JOSEPH CHAPPELL, M.A.; Instructor in Mathematics, Washington University, St. Louis, Mo. [Sept., 1911.]

REAVES, SAMUEL WATSON, B.Sc., B.A.; Professor of Mathematics, University of Oklahoma, Norman, Okla. 407 Boyd Street. [Feb., 1908.]

*REDDICK, HARRY WILFRED, M.A., Ph.D. (Columbia); Instructor in Mathematics, Columbia University, New York, N. Y. Livingston Hall. [Feb., 1905.]

REGIS, BROTHER FRANCIS, M.A.; Professor of Mathematics, Christian Brothers' College, St. Louis, Mo. [Apr., 1907.]

REID, LEIGH WILBER, B.A., M.Sc., Ph.D. (Göttingen); Professor of Mathematics, Haverford College, Haverford, Pa. [Apr., 1900.]

REYNOLDS, FREDERICK GREGORY, LL.B., Sc.D.; Assistant Professor of Mathematics, College of the City of New York, New York, N. Y. St. Nicholas Terrace. [Feb., 1903.]
RICE, CHARLES MOEN, B.A. P. O. BOX 215, WORCESTER, MASS. [APR., 1893.]

*RICHARDSON, R. G. D., B.A., PH.D. (YALE); ASSISTANT PROFESSOR OF MATHEMATICS, BROWN UNIVERSITY, PROVIDENCE, R. I. [APR., 1905.]

RICHARDSON, SOPHIA FOSTER, B.A.; INSTRUCTOR IN MATHEMATICS, VASSAR COLLEGE, Poughkeepsie, N. Y. [APR., 1905.]

*RICHMOND, HERBERT WILLIAM, M.A.; UNIVERSITY LECTURER, FELLOW AND MATHEMATICAL LECTURER OF KING'S COLLEGE, CAMBRIDGE UNIVERSITY, CAMBRIDGE, ENGLAND. [AUG., 1899.]

RITZ, HENRY LEWIS, B.SC., PH.D. (CORNELL); ASSOCIATE PROFESSOR OF MATHEMATICS AND STATISTICIAN OF THE AGRICULTURAL EXPERIMENT STATION, UNIVERSITY OF ILLINOIS, URBANA, ILL. 907 WEST CALIFORNIA AVENUE. [OCT., 1902.]

RIGGS, NORMAN C., M.SC.; ASSOCIATE PROFESSOR OF APPLIED MECHANICS, CARNegie TECHNICAL SCHOOLS, PITTSBURGH, PA. [APR., 1903.]

RISLEY, WALLACE JOHN, B.SC., M.A.; PROFESSOR OF MATHEMATICS, JAMES MILLIKIN UNIVERSITY, DECATUR, ILL. 1940 WEST MACON STREET. [APR., 1906.]

ROBERTS, MARIA M., B.L.; ASSOCIATE PROFESSOR OF MATHEMATICS AND VICE-DEAN OF THE JUNIOR COLLEGES, IOWA STATE COLLEGE, AMES, I.A. [DEC., 1907.]

ROCKWOOD, CHARLES GREENE, JR., M.A., PH.D. (YALE); EMERITUS PROFESSOR OF MATHEMATICS, Princeton University, Princeton, N. J. [MAY, 1891.]

ROE, EDWARD DRAKE, JR., M.A., PH.D. (ERLANGEN); JOHN RAYMOND FRENCH PROFESSOR OF MATHEMATICS, SYRACUSE UNIVERSITY, SYRACUSE, N. Y. 123 WEST OSTRANDER AVENUE. [APR., 1896.]

ROE, JOSEPHINE ROBINSON (MRS. E. D.), M.A.; 123 WEST OSTRANDER AVENUE, SYRACUSE, N. Y. [SEPT., 1910.]

ROEVER, WILLIAM HENRY, B.SC., PH.D. (HARVARD); ASSISTANT PROFESSOR OF MATHEMATICS, WASHINGTON UNIVERSITY, ST. LOUIS, MO. [APR., 1902.]

ROOSEVELT, GEORGE EMLEN, B.A. 33 WALL STREET, NEW YORK, N. Y. [OCT., 1908.]

ROOT, RALPH EUGENE, M.SC.; INSTRUCTOR IN MATHEMATICS, UNIVERSITY OF MISSOURI, COLUMBIA, MO. [FEB., 1911.]

ROTHBOK, DAVID ANDREW, M.A., PH.D. (LEIPZIG); PROFESSOR OF MATHEMATICS, INDIANA UNIVERSITY, BLOOMINGTON, IND. 1000 ATWATER AVENUE. [FEB., 1897.]

ROWE, JOSEPH EUGENE, M.A., PH.D. (JOHNS HOPKINS); INSTRUCTOR IN MATHEMATICS, HAVERFORD COLLEGE, HAVERFORD, PA. [APR., 1910.]

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RUSK, WILLIAM JAMES, M.A.; Professor of Mathematics, Grinnell College, Grinnell, Ia. 1022 Park Street. [Aug., 1903.]

RUSSELL, WILLIAM POLK, M.A.; Assistant Professor of Mathematics, Pomona College, Claremont, Cal. [Oct., 1906.]

RUTLEDGE, GEORGE, B.A.; Research Assistant in Mathematics, University of Illinois, Urbana, Ill. 902 West Illinois Street. [Nov., 1910.]

SAFFORD, FREDERICK HOLLISTER, M.A., Ph.D. (Harvard); Assistant Professor of Mathematics, University of Pennsylvania, Philadelphia, Pa. College Hall. [Aug., 1898.]

SAUL, PAUL LOUIS, D.Sc. (Bordeaux); Associate Professor of Mathematics, College of the City of New York, New York, N. Y. St. Nicholas Terrace. [Dec., 1897.]


SAYRE, HERBERT ARMISTEAD, B.E., Ph.D. (Johns Hopkins); Professor of Mathematics, University of Alabama, University, Ala. [Nov., 1891.]

SCARBOROUGH, JAMES HARRIS, M.Sc., M.A., Ph.D.; Professor of Mathematics, Missouri State Normal School, Warrensburg, Mo. [Oct., 1906.]

*SCHEMIDEL, OSCAR, B.Sc., M.A.; Professor of Mathematics, Bellevue, Neb. [Feb., 1892.]

SCHOTTENFELS, IDA MAY, M.A. 441 East 48th Place, Chicago, Ill. [Oct., 1900.]

SCHOLTZE, ARTHUR, Ph.D.; Assistant Professor of Mathematics, New York University; Head of the Mathematical Department, High School of Commerce, New York, N. Y. [Apr., 1892.]


SCHWEITZER, ARTHUR EICHERE, B.Ph., M.Sc. 452 Oakdale Avenue, Chicago, Ill. [Feb., 1906.]

SCOTT, CHARLOTTE ANGAS, D.Sc. (London); Co-editor of the American Journal of Mathematics; Professor of Mathematics, Bryn Mawr College, Bryn Mawr, Pa. [May, 1891.]

SCOTT, GEORGE HARVEY, M.A.; Professor of Mathematics and Astronomy, Yankton College, Yankton, So. Dak. [Oct., 1902.]

SEARLE, REV. GEORGE MARY, M.A., Ph.D.; Catholic University, Washington, D. C. [June, 1889.]

SEE, THOMAS JEFFERSON JACKSON, M.A., M.Sc., Ph.D. (Berlin); Pro-
fessor of Mathematics, U. S. Navy, Mare Island, Cal. Naval Ob-

SÉGUiER, JEAN ARMAND MARIE JOSEPH DE, D.Sc. 56 Rue des Saints Péres, Paris, France. [Feb., 1902.]

SELWEN, GEORGE TUCKER, M.A., Ph.D.; Professor of Mathematics, Knox College, Galesburg, Ill. [Aug., 1899.]

SHARPE, FRANCIS ROBERT, B.A., Ph.D. (Cornell); Assistant Professor of Mathematics, Cornell University, Ithaca, N. Y. 213 Mitchell Street. [Apr., 1905.]

SHATTUCK, SAMUEL WALKER, C.E., LL.D.; Professor of Mathematics, University of Illinois, Champaign, Ill. [Apr., 1891.]

SHAW, JAMES BYRNE, M.Sc., D.Sc.; Assistant Professor of Mathematics, University of Illinois, Urbana, Ill. [Mar., 1894.]

SHELDON, ERNEST WILSON, M.A., Ph.D. (Yale); Assistant Professor of Mathematics, University of Alberta, Strathcona, Alberta, Canada. P. O. Box 585. [Dec., 1907.]

SHEPARD, ELMER I., M.A.; Assistant Professor of Mathematics, Williams College, Williamstown, Mass. [Dec., 1906.]

SHORT, ROBERT L., B.A.; Principal of the West Technical High School, Cleveland, Ohio. [Sept., 1906.]

SHUMWAY, ROYAL R., B.A.; Assistant Professor of Mathematics, University of Minnesota, Minneapolis, Minn. 716 Twelfth Avenue, S. E. [Oct., 1909.]


SILVERMAN, LOUIS LAZARUS, M.A., Ph.D. (Missouri); Instructor in Mathematics, Cornell University, Ithaca, N. Y. [Feb., 1908.]

SIMPSON, CHARLES GAMBLE, B.Ph., M.A.; Associate in Mechanics, Columbia University, New York, N. Y. 600 West 133rd Street. [Feb., 1906.]

SIMPSON, THOMAS MARSHALL, M.A.; Instructor in Mathematics, University of Wisconsin, Madison, Wis. [Oct., 1911.]

SINCLAIR, MARY EMILY, M.A., Ph.D. (Chicago); Associate Professor of Mathematics, Oberlin College, Oberlin, Ohio. [Feb., 1905.]

SISAM, CHARLES HERSHEY, Ph.D. (Cornell); Assistant Professor of Mathematics, University of Illinois, Urbana, Ill. 609 South Busey Avenue. [Oct., 1904.]

SKINNER, ERNEST BROWN, B.A., Ph.D. (Chicago); Associate Professor of Mathematics, University of Wisconsin, Madison, Wis. 210 Lathrop Street. [Aug., 1899.]

SLAUGHT, HERBERT ELLSWORTH, M.A., Ph.D. (Chicago), Sc.D. (honorary, Colgate); Editor of the American Mathematical Monthly; Associate
Professor of Mathematics, University of Chicago, Chicago, Ill. 58th Street and Ellis Avenue. [Oct., 1899.]

*SLlCTER, CHARLES S., M.Sc.; Consulting Engineer, U. S. Reclamation Service; Professor of Applied Mathematics, University of Wisconsin, Madison, Wis. 636 Frances Street. [May, 1891.]

SLOVIN, HERMON LESTER, B.A., Ph.D. (Clark); Instructor in Mathematics, University of Minnesota, Minneapolis, Minn. [Oct., 1909.]

SLOCUM, STEPHEN ELMER, B.E., Ph.D. (Clark); Professor of Applied Mathematics, University of Cincinnati, Cincinnati, Ohio. [Apr., 1901.]

SMAIL, LLOYD LEROY, B.A.; Fellow in Mathematics, University of Washington, Seattle, Wash. 2121 East 55th Street. [Sept., 1911.]

SMITH, ARTHUR WHipple, M.Sc., Ph.D. (Chicago); Associate Professor of Mathematics, Colgate University, Hamilton, N. Y. [Feb., 1905.]

*SMITH, CLARA ELIZA, B.A., Ph.D. (Yale); Instructor in Mathematics, Wellesley College, Wellesley, Mass. 80 Shafer Hall. [Sept., 1904.]


SMITH, EDWIN RAYMOND, M.A., Ph.D. (Munich); Assistant Professor of Mathematics, Pennsylvania State College, State College, Pa. [Dec., 1911.]

SMITH, EUGENE RANDOLPH, M.A.; Associate Editor of the Mathematics Teacher; Head of the Department of Mathematics, Polytechnic Preparatory School, Brooklyn, N. Y. 472 Argyle Road. [Apr., 1898.]


SMITH, FRANKLIN HANS, M.A.; Instructor in Mathematics, Eastern District High School, Brooklyn, N. Y. 201 West 84th Street, New York, N. Y. [Oct., 1905.]

SMITH, GERTRUDE, M.A.; Instructor in Mathematics, Vassar College, Poughkeepsie, N. Y. [Feb., 1907.]

SMITH, IRVIN WEBSTER, M.A.; Assistant Professor of Mathematics, College of Agriculture and Mechanic Arts, Fargo, N. Dak. 1108 Tenth Street North. [Oct., 1909.]

SMITH, JAMES BROOKES, M.A.; Professor of Mathematics, Hampden Sidney College, Hampden Sidney, Va. [Feb., 1909.]

SMITH, Percy F., Ph.D.; Associate Editor of the Transactions of the American Mathematical Society; Professor of Mathematics, Sheffield
Scientific School, Yale University, New Haven, Conn. *330 Willow Street.* [Nov., 1891.]

**SMITH, SARAH EFFIE, B.Sc.;** Professor of Mathematics, Mount Holyoke College, South Hadley, Mass. [Feb., 1911.]

**SMITH, WILLIAM BENJAMIN, M.A., Ph.D. (Göttingen), LL.D. (Kentucky);** Professor of Philosophy, Tulane University, New Orleans, La. [Apr., 1891.]

**SMITH, WILLIAM MACKAY, B.Ph.;** Instructor in Mathematics, Lafayette College, Easton, Pa. [Feb., 1908.]

**SNELLING, CHARLES MERCER, Graduate of the Virginia Military Institute, M.A.;** Dean of the University and Professor of Mathematics, University of Georgia, Athens, Ga. *P. O. Box 283.* [Oct., 1904.]

**SNOOK, THOMAS EDWARD, M.E.;** Architect and Engineer. 73 Nassau Street, New York, N.Y. [Dec., 1889.]

**SNOOK, THOMAS EDWARD, M.E.;** Architect and Engineer. 73 Nassau Street, New York, N.Y. [Dec., 1889.]

**SNYDER, MONROE BENJAMIN, M.A.;** Professor of Astronomy and Applied Mathematics and Head of the Department of Mathematics, Central High School, Philadelphia, Pa.; Director of the Philadelphia Observatory. *2402 North Broad Street.* [Apr., 1895.]

**SNYDER, VIRGIL, M.A., Ph.D. (Göttingen);** Editor of the *Bulletin of the American Mathematical Society*; Professor of Mathematics, Cornell University, Ithaca, N.Y. *214 University Avenue.* [Nov., 1896.]

**SPARROW, CARROLL MASON, B.A., Ph.D.;** Adjunct Professor of Physics, University of Virginia, Charlottesville, Va. [Feb., 1909.]

**SPITZER, GEORGE, B.Sc.;** Dairy Chemist, Purdue University Agricultural Experiment Station, Lafayette, Ind. [Apr., 1911.]


**STAGER, HENRY WALTER, M.A., Ph.D. (California);** Head of the Department of Mathematics, Fresno Junior College, Fresno, Cal. *3086 Fresno Street.* [Feb., 1908.]

**STAMPER, ALVA WALKER, B.Sc., M.A., Ph.D. (Columbia);** Head of the Department of Mathematics, State Normal School, Chico, Cal. *306 Salem Street.* [Feb., 1906.]


**STEINMETZ, CHARLES PROTEUS, Ph.D.;** Consulting Engineer of the General Electric Company; Professor of Electrical Engineering, Union University, Schenectady, N.Y. *Wendell Avenue.* [Jan., 1891.]

**STÉPHANOS, CYPARISSOS, Ph.D. (Athens), D.Sc. (Paris);** Professor of Mathematics, University of Athens, Athens, Greece. *20 Rue de Solon.* [Oct., 1906.]

**STEVENS, ROSWELL POWELL, B.A., Ph.D. (Johns Hopkins);** Associate
Professor of Mathematics, University of Georgia, Athens, Ga. [Apr., 1906.]

STONE, JOHN C., M.A.; Head of the Department of Mathematics, State Normal School, Montclair, N. J. 653 Valley Road. [Sept., 1908.]

STONE, ORMOND, M.A.; Editor of the Annals of Mathematics; Director of the Leander McCormick Observatory and Professor of Practical Astronomy, University of Virginia, Va. [May, 1891.]

STORY, WILLIAM EDWARD, B.A., Ph.D. (Leipzig); Professor of Mathematics, Clark University, Worcester, Mass. [Feb., 1897.]

STOUffer, ELLIS BAGLEY, M.Sc., Ph.D. (Illinois); Instructor in Mathematics, University of Illinois, Urbana, Ill. 711 West Illinois Street. [Sept., 1911.]

STROMQUIST, CARL EBEN, B.Sc., Ph.D. (Yale); Professor of Mathematics, University of Wyoming, Laramie, Wy. 152 North Sixth Street. [Feb., 1903.]

STRONG, WENDELL MELVILLE, LL.B., M.A., Ph.D. (Yale); Editor of the Transactions of the Actuarial Society of America; Associate Actuary of the Mutual Life Insurance Company of New York. 32 Nassau Street. [Dec., 1895.]

STUDY, EDUARD, Ph.D.; Professor of Mathematics, University of Bonn, Bonn, Germany. Argelanderstrasse 186. [Oct., 1904.]

SWARTZEL, KARL DALE, M.Sc.; Professor of Mathematics, Ohio State University, Columbus, Ohio. 1952 Iuka Avenue. [Apr., 1903.]

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TAYLOR, WILLIAM ERASTUS, M.Ph., Ph.D. (Syracuse); Professor of Applied Mathematics, College of Applied Science, Syracuse University, Syracuse, N. Y. 822 Irving Avenue. [Feb., 1903.]

THOMAS, EVAN, B.Sc.; Assistant Professor of Mathematics, University of Vermont, Burlington, Vt. [Oct., 1911.]

THOMPSON, JOHN SPENCER, M.A.; Assistant Actuary of the Mutual Life Insurance Company, 32 Nassau Street, New York, N. Y. [Apr., 1908.]

THORNBURG, CHARLES LEWIS, B.Sc., C.E., Ph.D.; Professor of Mathematics and Astronomy, Lehigh University, South Bethlehem, Pa. 2 University Park. [Jan., 1897.]

TORY, HENRY M., M.A., D.Sc., LL.D.; President of the University of Alberta, Canada. [Oct., 1901.]


TOTON, FRANK CHARLES, B.Ph.; Principal of the Central High School, St. Joseph, Mo. [Feb., 1906.]

TOWNLEY, SIDNEY DEAN, M.Sc., Sc.D. (Michigan); Editor of the Bulletin of the Seismological Society of America; Associate Professor of Applied Mathematics, Stanford University, Cal. Box 815. [Apr., 1902.]

TOWNSEND, EDGAR JEROME, M.A., Ph.D. (Göttingen); Professor of Mathematics and Dean of the College of Science, University of Illinois, Champaign, Ill. 510 John Street. [Nov., 1895.]

TRAVIS, JOHN FRANCIS, M.A. 3927 Forbes Street, Pittsburgh, Pa. [Dec., 1905.]

TRIPP, MYRON OWEN, B.Sc., B.A., Ph.D. (Columbia); Instructor in Pure Mathematics, College of the City of New York, New York, N. Y. Lincoln Park, Yonkers, N. Y. [Feb., 1906.]

TYLER, HARRY WALTER, B.Sc., Ph.D. (Erlangen); Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass. [Aug., 1894.]

UNDERHILL, ANTHONY LISPENARD, B.Sc., Ph.D. (Chicago); Assistant Professor of Mathematics, University of Minnesota, Minneapolis, Minn. 615 Sixth Street, S. E. [Feb., 1907.]

UPTON, CLIFFORD BREWSTER, M.A.; Assistant Professor of Mathematics and Secretary, Teachers College, Columbia University, New York, N. Y. [Aug., 1903.]

URNER, SAMUEL EVERETT, Ph.B., Ph.D. (Harvard); Instructor in Mathematics, Miami University, Oxford, Ohio. [Sept., 1911.]


VAN BENSCHOTEN, ANNA LAVINIA, M.Sc., Ph.D. (Cornell); Professor of Mathematics, Wells College, Aurora, N. Y. [Oct., 1903.]

VAN DER HEYDEN, ALEXANDER FREDERICK, M.A.; Mathematical Master,
Middlesbrough High School, Middlesbrough, England. 3 St. John's Terrace. [Feb., 1902.]

Van der Vries, John Nicholas, M.A., Ph.D. (Clark); Associate Professor of Mathematics, University of Kansas, Lawrence, Kan. [Sept., 1911.]


Van Vleck, Edward Burr, M.A., Ph.D. (Göttingen), LL.D. (Clark); Professor of Mathematics, University of Wisconsin, Madison, Wis. 519 North Pinckney Street. [Apr., 1893.]

Van Vleck, John Monroe, M.A., LL.D.; Emeritus Professor of Mathematics and Astronomy, Wesleyan University, Middletown, Conn. [Apr., 1891.]

Vaughn, William James, M.A., LL.D.; Professor of Mathematics and Astronomy, Vanderbilt University, Nashville, Tenn. [June, 1900.]

*Veblen, Oswald, B.A., Ph.D. (Chicago); Editor of the Annals of Mathematics; Professor of Mathematics, Princeton University, Princeton, N. J. [Aug., 1903.]

Vivian, Roxana Hayward, B.A., Ph.D. (Pennsylvania); Associate Professor of Mathematics, Wellesley College, Wellesley, Mass. [Dec., 1900.]

Von Tria, Vito, Phys.D. (Pisa), Math.D. (Christiania), Sc.D. (Cambridge), Ph.D. (Stockholm), Phys.D. (Clark); Senator of the Kingdom of Italy; Professor of Mathematical Physics and Celestial Mechanics, University of Rome, Rome, Italy. Via in Lucina, 17. [Dec., 1905.]

Waddell, Mary Evelyn Gertrude, M.A. Orono, Ontario, Canada. [Dec., 1905.]

Wahlin, Gustaf Eric, B.A., Ph.D. (Yale); Instructor in Mathematics, University of Illinois, Urbana, Ill. 1308 West Stoughton Street. [Sept., 1898.]


Waldo, Clarence Abiah, M.A., Ph.D.; Professor of Mathematics, Washington University, St. Louis, Mo. [Apr., 1891.]

Walker, Buzz M., M.Sc., Ph.D. (Chicago); Professor of Mathematics and Director of the School of Engineering, Mississippi Agricultural and Mechanical College, Agricultural College, Miss. [Dec., 1898.]

Walshe, Charles Burton, B.A.; Teacher of Mathematics, Ethical Culture High School, New York, N. Y. 53 Central Park West. [Apr., 1908.]

WEBB, HARRISON EMMETT, B.A.; Teacher of Mathematics, Barringer High School, Newark, N. J. 12 Irving Place, Summit, N. J. [Apr., 1902.]


WEBSTER, ARTHUR GORDON, B.A., Ph.D. (Berlin), Sc.D. (Tufts), LL.D. (Hobart); Professor of Physics, Clark University, Worcester, Mass. [May, 1891.]

WEEKS, RUFUS WELLS, Vice-President and Chief Actuary of the New York Life Insurance Company. 346 Broadway, New York, N. Y. [June, 1891.]

WELD, LAENAS GIFFORD, B.Sc., M.A.; Director of the Pullman Free School of Manual Training, Pullman, Chicago, Ill. [Feb., 1892.]

WELLS, MARY EVELYN, B.A., M.Sc.; Instructor in Mathematics, Mount Holyoke College, South Hadley, Mass. [Dec., 1908.]

WELLS, WEBSTER, B.Sc.; Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass. [Apr., 1891.]

WENTWORTH, GEORGE. Exeter, N. H. [Apr., 1910.]

WERNICKE, AUGUST LUDWIG PAUL, Ph.D. (Göttingen); 2560 Moorman Avenue, Cincinnati, Ohio. [Feb., 1897.]

WEST, CARL JOSEPH, M.A.; Assistant Professor of Mathematics, Ohio State University, Columbus, Ohio. [Apr., 1911.]

WESTER, CHARLES WILLIAM, B.Sc.; University of Chicago, Chicago, Ill. [Sept., 1911.]


WESTFALL, W. D. A., B.A., Ph.D. (Göttingen); Assistant Professor of Mathematics, University of Missouri, Columbia, Mo. [Dec., 1902.]

WESTLUND, JACOB, Ph.D. (Yale); Professor of Mathematics, Purdue University, Lafayette, Ind. 439 Salisbury Street, West Lafayette. [Aug., 1898.]

WHITE, HENRY SEELEY, B.A., Ph.D. (Göttingen); Ex-PRESIDENT; Editor of the Transactions of the American Mathematical Society; Professor of Mathematics, Vassar College, Poughkeepsie, N. Y. [Nov., 1892.]

WHITE, MARION BALLANTYNE, M.A., Ph.D. (Chicago); Assistant Professor of Mathematics, University of Kansas, Lawrence, Kan. 1304 Ohio Street. [Dec., 1910.]

WHITFORD, EDWARD EVERETT, M.A.; Instructor in Mathematics, College of the City of New York, New York, N. Y. 523 West 151st Street. [Sept., 1909.]
WHITNEY, ALBERT WURTS, B.A.; Associate Professor of Mathematics and Insurance, University of California, Berkeley, Cal. 35 Canyon Road. [Apr., 1902.]

*WHITTAKER, EDMUND TAYLOR, M.A., Sc.D.; Royal Astronomer of Ireland. Dunsink Observatory, Castleknock, County Dublin, Ireland. [Dec., 1897.]

*WHITTEMORE, JAMES KELSEY, M.A.; Assistant Professor of Mathematics, Western Reserve University, Cleveland, Ohio. [Feb., 1897.]

WILCZYNSKI, ERNEST JULIUS, Ph.D. (Berlin); Associate Editor of the Transactions of the American Mathematical Society; Associate Professor of Mathematics, University of Chicago, Chicago, Ill. 5332 Kimbark Avenue. [Feb., 1899.]

WILLARD, JOSEPH MOODY, B.A.; Professor of Mathematics and Secretary to the Council, Pennsylvania State College, State College, Pa. [May, 1892.]

WILLIAMS, CLARKE BENEDICT, M.A.; Olney Professor of Mathematics, Kalamazoo College, Kalamazoo, Mich. 214 Stuart Avenue. [May, 1895.]

WILLIAMS, ELLA CORNELIA, M.A. 30 West 55th Street, New York, N. Y. [May, 1892.]

WILLIAMS, JOHN EDWARD, M.A., Ph.D. (Virginia); Professor of Mathematics, Virginia Polytechnic Institute, Blacksburg, Va. [Sept., 1905.]

WILLIAMS, WILLIAM HILL, M.A.; Professor of Mathematics, Wisconsin State Normal School, Platteville, Wis. [Apr., 1898.]

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. [May, 1891.]


WILSON, DELONZA TATE, M.A., Ph.D. (Chicago); Associate Professor of Mathematics and Astronomy, Case School of Applied Science, Cleveland, Ohio. [Sept., 1904.]

WILSON, EDWIN BIDWELL, B.A., Ph.D. (Yale); Member of the Supervisory Board of the American Year Book; Associate Editor of the Transactions of the American Mathematical Society; Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass. [Dec., 1899.]

WILSON, NORMAN RICHARD, M.A., Ph.D. (Chicago); Professor of Mathematics, Wesley College, University of Manitoba, Winnipeg, Canada. Suite 2, 389 Graham Avenue. [Dec., 1900.]

WILSON, ROBERT EDWARD, B.Ph., M.A.; Assistant Professor of Mathe-
matics, Northwestern University, Evanston, Ill. 2015 Sherman Avenue. [Oct., 1903.]

WILSON, WALLACE ALVIN, B.A., Ph.D. (Yale); Instructor in Mathematics, Yale University, New Haven, Conn. 705 Elm Street. [Apr., 1910.]

WOLFF, HENRY CHARLES, M.Sc., Ph.D. (Wisconsin); Assistant Professor of Mathematics, University of Wisconsin, Madison, Wis. 6 South Prospect Avenue. [Oct., 1911.]

WOOD, RUTH GOULDING, B.L., Ph.D. (Yale); Associate Professor of Mathematics, Smith College, Northampton, Mass. 249 Crescent Street. [Dec., 1899.]

WOODS, FREDERICK S., M.A., Ph.D. (Göttingen); Professor of Mathematics, Massachusetts Institute of Technology, Boston, Mass. 123 Sumner Street, Newton Centre, Mass. [Oct., 1895.]

*WOODWARD, ROBERT SIMPSON, C.E., Ph.D., Sc.D., LL.D.; EX-PRESIDENT; Associate Editor of Science; President of the Carnegie Institution of Washington. The Carnegie Institution, Washington, D. C. [May, 1891.]

WORTHEN, THOMAS WILSON DORB, M.A.; Professor of Mathematics, retired, Dartmouth College, Hanover, N. H.; Member of the State Public Service Commission, Concord, N. H. [May, 1891.]

WORTHINGTON, EUPHEMIA RICHARDSON, B.A., Ph.D. (Yale); Instructor in Mathematics, Wellesley College, Wellesley, Mass. [Apr., 1908.]

WRIGHT, WALTER CHANNING, Consulting Actuary. 45 Milk Street, Room 701, Boston, Mass. [Oct., 1898.]

YANNEY, BENJAMIN FRANKLIN, M.A.; Professor of Mathematics, Wooster University, Wooster, Ohio. [Oct., 1902.]

YOUNG, ARCHER EVERETT, B.A., Ph.D. (Princeton); Professor of Mathematics, Miami University, Oxford, Ohio. [Dec., 1903.]

YOUNG, JACOB WILLIAM ALBERT, M.A., Ph.D. (Clark); Associate Professor of the Pedagogy of Mathematics, University of Chicago, Chicago, Ill. 5422 Washington Avenue. [May, 1891.]

YOUNG, JOHN WESLEY, M.A., Ph.D. (Cornell); Editor of the Bulletin of the American Mathematical Society; Collaborator of the Bulletin des Sciences Mathématiques; Professor of Mathematics, Dartmouth College, Hanover, N. H. 22 Occom Ridge. [Feb., 1902.]

Yowell, Everett Irving, M.Sc., C.E.; Chief Assistant in the Cincinnati Observatory, Cincinnati, Ohio. [Mar., 1893.]

ZEHRING, WILLIAM ARTHUR, M.A.; Instructor in Mathematics, Purdue University, Lafayette, Ind. 303 Russell Street, West Lafayette. [Oct., 1911.]

ZIWET, ALEXANDER, C.E.; Editor of the Bulletin of the American Mathe-
Mathematical Society; Professor of Mathematics, University of Michigan, Ann Arbor, Mich. 644 South Ingalls Street. [Apr., 1891.]

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<tr>
<th>Description</th>
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<td>Number of members, January 1, 1912</td>
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<td>Members admitted during the year 1911</td>
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<td>Members withdrawing during the year 1911</td>
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<td>Number of life members</td>
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