

FELLOWS OF THE MINERALOGICAL SOCIETY OF AMERICA

(*Indicates charter fellow.)

- *Dr. Elliot Quincy Adams, Research Dept., Nela Park, Cleveland, Ohio.
- *Frederick Noel Ashcroft, M.A., 37 Palace Court, Bayswater, London W 2. [Life fellow.]
- *Miss F. Bascom, Bryn Mawr College, Bryn Mawr, Pa.
- *Prof. William S. Bayley, University of Illinois, Urbana, Ill.
- *Dr. N. L. Bowen, Geophysical Laboratory, Carnegie Institution, Washington, D. C.
- *Oliver Bowles, Bureau of Mines, Washington, D. C.
- *Dr. E. L. Bruce, Queen's University, Kingston, Ontario.
- *Dr. Henry L. Buttgenbach, 439 Avenue Louise, Brussels, Belgium.
- *Frederick A. Canfield, Dover, N. J.
- *Robert W. Clark, Petroleum Bldg., Okmulgee, Oklahoma.
- *Prof. Charles Wilford Cook, Ann Arbor, Michigan.
- *Prof. R. D. Crawford, 1050 Tenth Street, Boulder, Colorado.
- *Dr. A. R. Crook, State Museum, Springfield, Ill.
- *Prof. E. S. Dana, Yale University, New Haven, Connecticut.
- *Prof. A. S. Eakle, University of California, Berkeley, California.
- *Dr. H. V. Ellsworth, Dept. of Mines, Geological Survey, Ottawa, Canada.
- *John Eyerman, The Griswold, 2844 Euclid Ave., Cleveland, Ohio.
- *Dr. Chas. R. Fettke, Carnegie Inst. of Technology, Pittsburgh, Pa.
- *Prof. W. E. Ford, Yale University, New Haven, Conn.
- *William Frederick Foshag, University of California, Berkeley, Cal.
- *Samuel G. Gordon, 1900 Race Street, Philadelphia, Pa.
- *Prof. R. P. D. Graham, McGill University, Montreal, Canada.
- *Prof. Frank Nelson Guild, University of Arizona, Tucson, Arizona.
- *Dr. Alfred C. Hawkins, Wards Natural Science Estab., Rochester, N. Y.
- *Prof. Arthur P. Honess, State College, Pa.
- *Dr. E. O. Hovey, American Museum of Natural History, N. Y.
- *Dr. Lucius Lee Hubbard, Houghton, Mich.
- *Prof. W. F. Hunt, University of Michigan, Ann Arbor, Michigan.
- *Dr. Herbert Insley, Bureau of Mines, Pittsburgh, Pa.
- *Robert A. A. Johnston, Chief Div. Min. Canada Geol. Surv., Ottawa, Canada.
- *Prof. Edward H. Kraus, University of Michigan, Ann Arbor, Michigan.
- *Dr. George F. Kunz, 409 Fifth Ave., New York City.
- *Prof. A. C. Lane, (Tufts College), 22 Arlington Street, Cambridge, Mass.
- *Dr. E. S. Larsen, Jr., U. S. Geological Survey, Washington, D. C.
- *Prof. J. V. Lewis, Rutgers College, New Brunswick, N. J.
- *Prof. G. D. Louderback, University of California, Berkeley, California.
- *Prof. L. McI. Luquer, Columbia University, New York.
- *Prof. William J. McCaughey, Ohio State University, Ohio.
- *Prof. E. B. Mathews, Johns Hopkins University, Baltimore, Md.
- *Dr. H. E. Merwin, Geophysical Lab., Carnegie Inst., Washington, D. C.
- *Prof. E. S. Moore, State College, Pennsylvania.
- *Prof. C. Palache, Harvard University, Cambridge, Massachusetts. [Life fellow.]
- *Prof. A. L. Parsons, University of Toronto, Toronto, Canada.
- *Prof. A. B. Peck, University of Michigan, Ann Arbor, Michigan.

- *Prof. Frederick B. Peck, Lafayette College Campus, Easton, Pa.
 *Prof. A. H. Phillips, Princeton University, Princeton, N. J.
 *Eugene Poitevin, B. S. C. Can. Geol. Survey, Ottawa, Canada.
 *Miss Mary W. Porter, 27 Museum Road, Oxford, England.
 *Prof. C. H. Richardson, Syracuse University, Syracuse, N. Y.
 *Prof. Heinrich Ries, Cornell University, Ithaca, N. Y.
 *Prof. A. F. Rogers, Leland Stanford Jr. University, California.
 *Dr. Waldemar T. Schaller, U. S. Geological Survey, Washington, D. C.
 *Earl V. Shannon, U. S. National Museum, Washington, D. C.
 *Prof. W. A. Tarr, University of Missouri, Columbia, Mo.
 *Prof. Ellis Thomson, University of Toronto, Toronto, Canada.
 *Prof. Frank R. Van Horn, Case School of Applied Science, Cleveland, Ohio.
 [Life fellow.]
 *Prof. T. L. Walker, University of Toronto, Toronto, Canada.
 *Prof. Robert Charles Wallace, The Pas, Manitoba, Canada, University of Manitoba, Winnipeg, Canada.
 *Dr. H. S. Washington, Geophysical Lab., Carnegie Inst., Washington, D. C.
 *Prof. T. L. Watson, University of Virginia, Charlottesville, Va.
 *Dr. R. C. Wells, U. S. Geological Survey, Washington, D. C.
 *Dr. Edgar T. Wherry, Bureau of Chemistry, Washington, D. C.
 *H. P. Whitlock, American Museum of Natural History, New York.
 *Prof. A. N. Winchell, University of Wisconsin, Madison, Wis.
 *Prof. John E. Wolff, Harvard University, Cambridge, Mass.
 *Dr. F. E. Wright, Geophysical Lab., Carnegie Inst., Washington, D. C.
 *Prof. Victor Ziegler, Colorado School of Mines, Golden, Colorado.

MEMBERS OF THE MINERALOGICAL SOCIETY OF AMERICA

, (*Indicates charter member.)

- *Prof. Geo. I. Adams, Dept. of Geology, University, Alabama.
 *Charles Anderson, Australian Museum, College Street, Sydney, N.S.W.
 *L. K. Armstrong, 720 Peyton Bldg., Spokane, Washington.
 *Howard C. Arnold, 113 North Ave., Washington, Pa.
 *George E. Ashby, 265 Washington Ave., Brooklyn, N. Y.
 *Vincent L. Ayres, Case School of Applied Science, Cleveland, Ohio.
 *E. M. Bailey, Andover, Me.
 *J. Willard Baker, 101 Spring Street, Pawtucket, R. I.
 *Fred W. Bartlett, 205 N. Ingalls Street, Ann Arbor, Michigan.
 *Caspar C. Beegle, 52 Chadwick Ave., Newark, N. J.
 H. Rea Beckwith, 421 S. Washington St., Saginaw, Mich.
 *Guy P. Beery, 849 15th St. A., Moline, Ill.
 *Fred. J. Beldin, Box 113, Merrill, Klamath Co., Oregon.
 Dr. W. S. Bigelow, 56 Beacon St., Boston, Mass. [Life member]
 Dr. George F. Black, 476 Fifth Ave., New York City.
 Francis L. Bosqui, Jr., Rocky Run Farm, New Canaan, Conn.
 *W. H. Broadwell, 571 Hawthorne Ave., Newark, N. J.
 Wilda L. Brown, Box 420, New York City.
 *A. C. Burrage, 85 Ames Bldg., Boston, Mass.

- *Prof. G. M. Butler, University of Arizona, Tucson, Arizona.
*Chas. K. Cabeen, N. Y. State Museum, Albany, N. Y.
*Lazard Cahn, 6 North Eighth Street, Colorado Springs, Colo.
*E. R. Chadbourn, 394 Pleasant Street, Melrose, Mass.
*Dr. A. de Clairmont, 826 Norwood Ave., Toledo, Ohio.
C. M. Clark, Box 18, Chattanooga, Tenn.
Chas. O. Colton, Pleasant Valley, Dutchess Co., N. Y.
J. M. Colton, Orleans, Vermont.
*Prof. Joseph P. Connolly, 905 Columbus Street, Rapid City, S. D.
Miss Elizabeth O. Cullen, 307 B Street, N. E., Washington, D. C.
*James G. Dailey, (127 Benner St., New Brunswick, N. J.), 1 River Road, Bound Brook, N. J.
Homer T. Darlington, Natrona, Pa.
W. B. Daniels, 250 Front St., New York City.
*A. W. Davis, 703 Humbolt Ave., Utica, N. Y.
*G. M. Dings, 5715 Enright Ave., St. Louis, Mo.
*Dr. Francis D. Dodge, 291 Henry Street, Brooklyn, N. Y.
Chas. L. Drake, 22 Ninth St., East Orange, N. J.
*F. C. Drews, 1026 E. 17th Street, North Portland, Oregon.
James T. Duce, 1163 Lincoln Place, Boulder, Colo.
Frederick S. Eaton, 70 Sachem St., New Haven, Conn.
*J. Warner Edwards, 1331 Court Place, Denver, Colorado.
*George A. Ellinger, Kappa Delta Rho Fraternity, State College, Pa.
*George L. English, Wards Nat. Science Est., Rochester, N. Y.
*Oren F. Evans, Norman, Oklahoma.
*Henry Fair, 305 City Hall, Spokane, Washington.
*Virgil W. Field, 2945 So. 9th St., Salt Lake City, Utah.
D. J. Fisher, 6208 Woodlawn Ave., Chicago, Ill.
George W. Fiss, 1911 Green St., Philadelphia, Pa.
*Wylie H. Flack, 4418 N. 15th St., Philadelphia, Pa.
*Hugh Alexander Ford, British Consulate General, Baltimore, Md.
John S. Frankenfield, 236 N. 53rd St., Philadelphia, Pa.
Prof. A. Henry Fretz, 400 Reeder St., Easton, Pa.
*H. F. Gardner, Buffalo, N. Y.
*Geo. W. Gehman, 248 Wall Street, Bethlehem, Pa.
J. L. Gledhill, 2102 Maple Ave., Evanston, Ill.
Joseph L. Gillson, R. F. D. No. 2, Trapelo Road, Waltham, Mass.
*Miltiades L. Glenn, 709 Silliman Ave., Lawrence Park, Erie, Pa.
*Henry R. Goodnow, 98 Riverside Drive, N. Y. City.
*Charles K. Graeber, Delta Upsilon House, State College, Pa.
Albert G. F. Gregory, 139 Fulham Rd., South Kensington, London, S. W. No. 3.
*Frank T. Green, 1176 Fell Street, San Francisco, California.
*John A. Grenzig, 370 Pearl Street, Brooklyn, N. Y.
Erwin F. Gross, 1169 East 37th St., Brooklyn, N. Y.
Edward G. Gushee, 2122 N. 28th St., Philadelphia, Pa.
*Robert J. Hagey, 115 W. Duval Street, Philadelphia, Pa.
Sydney Hall, 65 High St., Franklin, N. J.
*Alfred E. Hammer, Branford, Conn. [Life member.]

- *William C. Hart, 101-103 Ruxton Ave., Manitou, Colo.
- Murry O. Hayes, 719 A St., N.E., Washington, D. C.
- *Emil E. Hesnard, Keystone, S. Dak.
- *F. G. Hillman, 231 Pope Street, New Bedford, Mass.
- *Charles W. Hoadley, Englewood, N. J.
- *E. F. Holden, Mineralogical Lab., Ann Arbor, Mich.
- *John Holzman, 23 Demerest St., Newark, N. J.
- *Albert A. Hopkins, 233 Broadway, N. Y. City.
- *Morton L. Jandorf, York, Pennsylvania.
- Albert Johnson, Box 469, Fairbanks, Alaska.
- *J. H. Johnson, School of Mines, Golden, Colo.
- *Dr. A. F. Jonas, 106 So. 31st Ave., Omaha, Nebr.
- *Charles Judson, 71 Broadway, N. Y.
- *Dale W. Kaufman, 1034 E. Huron Street, Ann Arbor, Michigan.
- M. L. Keith, 151 Pleasant St., Auburn, Me.
- *Wm. C. Knabe, 2846 N. Bonsal Street, Philadelphia, Pa.
- *O. Ivan Lee, 653 Mt. Prospect Ave., Newark, N. J.
- W. L. Lemcke, 609 14th St., Franklin, Pa.
- *W. Scott Lewis, 2500 Beachwood Drive, Hollywood, Los Angeles, California.
- *J. C. Lind, (Weber College), 2538 Monroe Ave., Ogden, Utah.
- Brother G. Lucian, La Salle College, Philadelphia, Pa.
- *A. McEwen, 522 5th Ave., N.Y.C., 47 West 43rd Street, N. Y. City.
- *H. E. McKinstry, Cerro de Pasco, Peru.
- *William Harvey McNairn, 415 Brunswick Ave., Toronto, Canada.
- S. S. McNinch, 202 Realty Bldg., Charlotte, N. C.
- *James G. Manchester, 34 Nassau St., N. Y. City.
- *John A. Manley, 132 Hamilton Street, New Brunswick, N. J.
- *A. R. Martinez, Av. Juarez 4, Mexico, D. F. Mexico.
- *E. A. Maynard, 17 Union Park Ave., Jamaica, L. I.
- *Wm. F. Meschenmoser, 219 3rd Street, New Dorp, Staten Island.
- Miss Marie Miller, 518 W. Lexington St., Independence, Mo.
- *Morrow C. Miller, 915 Oakland Ave., Ann Arbor, Mich.
- *Thos. I. Miller, 721 Highland Ave., Newark, N. J.
- *L. P. Morgan, U. S. Assay Office, New York City.
- *M. L. Morgenthau, 431 Hudson Street, N. Y. City.
- *Edwin C. Mott, 51 Warburton Ave., Yonkers, N. Y.
- *W. E. Mumford, Malleable Iron Fittings Co., Branford, Conn.
- *Wm. M. Myers, Bureau of Mines, Washington, D. C.
- *Frederick M. Oldach, 2131 N. 18th St., Philadelphia, Pa.
- *Robert R. Oppenheimer, 155 Riverside Drive, N. Y. City.
- J. Orcel, 10 me de Porto Riche Meudon, Seine-et-Loire, France.
- *Harry G. Ott, Spencer Lens Co., Buffalo, N. Y.
- *C. H. Paige, Box 84, Cambridge, Mass.
- *Prof. William E. Patten, Tangshan College, Tangshan, North China.
- *Harry S. Peck, 472 Broadway, Albany, N. Y.
- *Arthur G. Pohndorf, 400 7th Street, Denver, Colorado.
- *Fred J. Pope, 1061 North Broadway, Yonkers, N. Y.
- *James F. Porter, 1085 Sheridan Road, Hubbard Woods, Ill.

- *L. S. Ramsdell, Mineralogical Lab., Ann Arbor, Mich.
- *Louis Reamer, Box 175, Short Hills, N. J.
- *W. A. Roebing, 191 West State Street, Trenton, N. J. [Life member.]
- Prof. J. J. Runner, Old Sc. Bldg., State Univ., Iowa City, Iowa.
- *Prof. Otto Von Schlichten, University of Cincinnati, Cincinnati, Ohio.
- *Prof. Hyrum Schneider, 765 Harrison Ave., Salt Lake City, Utah.
- *Miss Catherine Schroder, 152 Penn Street, Brooklyn, N. Y.
- *Geo. E. Schulz, 400 Elm Ave., Calumet, Michigan.
- *George S. Scott, 20 Nassau Street, New York City.
- *Prof. Maurits W. Senstius, Dept. of Geology, Univ. of Chicago, Chicago, Ill.
- *H. C. Shafer, 205 Franklin Ave., Norristown, Pa.
- *T. D. Shipton, Hanover, Ill.
- *C. B. Slawson, Ann Arbor, Michigan.
- John G. Simons, 869 Walnut Ave., Syracuse, N. Y.
- Edward S. Simpson, Museum St., Perth, W. Australia.
- M. N. Short, 473 Broadway, Cambridge, Mass.
- George Smith, Dept. of Mines, Sidney, N.S.W.
- *Sociedad Cientifica Antonio Alzate, Ex Volador, Mexico, D. F. Mexico.
- V. Sosnovec, 2619 McNair Ave., St. Louis, Mo.
- *G. S. Stanton, 402 West 153 St., N. Y. City.
- *Harry W. Trudell, 2030 E. Madison St., Philadelphia, Pa.
- G. G. Tunell, Jr., 923 Railway Exchange Bldg., Chicago, Ill.
- *F. E. Turner, 175 North Street, Willimantic, Conn.
- Prof. H. G. Turner, Lehigh University, Bethlehem, Pa.
- Miss Isabel H. Tuthill, Rocky Point, N. Y.
- *John F. Vanartsdalen, Willow Grove, Montgomery Co., Pa.
- *George Vaux, Jr., Gulph Road, Bryn Mawr, Pa.
- Capt. Jean P. L. Vesignie, 2 Rue de Dun, Bourges Cher, France.
- *M. Vonsen, Petaluma, California.
- *Albert J. Walcott, Bausch & Lomb. Opt. Co., Rochester, N. Y.
- *W. A. Waldschmidt, Rapid City, S. Dak.
- *P. Walther, 648 Wyoming Ave., Elizabeth, N. J.
- *Alfred Wandke, Geological Museum, Cambridge, Mass.
- *William J. Webb, 75 Buckingham Road, Yonkers, N. Y.
- *E. Weidhaas, 408 West 42nd St., N. Y. City.
- Prof. Samuel Weidman, 814 Monett St., Norman, Okla.
- *Lewis G. Westgate, 124 Oak Hill Ave., Delaware, Ohio.
- *Edward Wigglesworth, Boston Society Natural History, 234 Berkley St., Boston, Mass. [Life member.]
- *Mrs. Franklin D. Williams, 24 Dean St., Taunton, Mass.
- *Herman L. Willig, 140 E. Vine St., Lancaster, Pa.
- *J. Lainson Wills, 133 Midwood St., Brooklyn, N. Y.
- *Ernest H. Wilson, 37 Forest Avenue, Caldwell, N. J.
- *Charles R. Winn, Box 577, Butte, Mont.
- *Joseph P. Wintringham, 153 Henry Street, Brooklyn, N. Y.
- *James R. Withrow, Ohio State University, Columbus, Ohio.
- A. O. Woodford, Claremont, Cal.
- *John Frank Wright, Univ. of Chicago, Chicago, Ill.
- *Walter J. Yeaton, 509 Washington Blvd., Urbana, Ill.
- Lucian M. Zell, 522 Fifth Ave., New York City.