

University of Wisconsin, and to the Wisconsin Geological and Natural History Survey for their kindness and hospitality. This was seconded and unanimously adopted, after which the Society adjourned. At this meeting three memorial biographies, and thirty-two scientific papers were presented, two being read by title. This was the longest program ever given before the Society. Fifty fellows, members and guests attended the meeting.

The following fellows, members, and visitors registered at the meeting: V. T. Allen, H. L. Alling, W. S. Bayley, E. L. Bruce, Miss Ferga Carmichael, C. W. Cook, A. R. Crook, G. L. English, W. C. English, Miss Erb, C. R. Fettke, D. J. Fisher, A. S. Furcron, J. L. Gillson, T. L. Gledhill, E. P. Henderson, W. F. Hunt, G. L. Knight, E. H. Kraus, K. K. Landes, R. E. Landon, A. C. Lane, E. S. Larsen, J. T. Lonsdale, J. H. C. Martens, E. B. Mathews, P. T. Miller, A. L. Parsons, A. H. Phillips, L. S. Ramsdell, Stephen Richarz, H. Ries, A. F. Rogers, E. P. Rothrick, J. J. Runner, R. L. Rutherford, Edward Sampson, W. T. Schaller, Edward Steidtmann, C. H. Stockwell, M. H. Stow, W. A. Tarr, Ellis Thomson, D. W. Trainer, Jr., F. R. Van Horn, Otto von Schlichten, A. J. Walcott, T. L. Walker, L. G. Westgate, A. N. Winchell, M. E. Wing.

---

#### HONORARY LIFE FELLOWS OF THE MINERALOGICAL SOCIETY OF AMERICA

- Friedel, A., Univ. of Strassburg, Strassburg, Alsace, France.  
 Goldschmidt, Victor, Univ. of Heidelberg, Heidelberg, Germany.  
 Groth, Paul, Univ. of Munich, Munich, Germany.  
 Lacroix, A., Museum of Natural History, Paris, France.  
 Spencer, L. J., Natural History Museum, South Kensington, London, S. W. 7,  
 England.

#### FELLOWS OF THE MINERALOGICAL SOCIETY OF AMERICA<sup>1</sup>

(\*Indicates charter fellow. †Indicates charter member before election to fellow.)

- \*Adams, Elliot Q., Pure Science Lab., Nela Park, Cleveland, Ohio.  
 Alling, Harold L., 901 East Ave., Rochester, N. Y.  
 †Anderson, Charles, Australian Museum, Sydney, New South Wales, Australia.  
 \*Ashcroft, Fred'k Noel, 1 Egerton Gardens, South Kensington, S. W. 3, London,  
 England. [Life Fellow].  
 \*Bascom, Miss F., Bryn Mawr College, Bryn Mawr, Pa.  
 \*Bayley, William S., Dept. of Geology, Univ. of Illinois, Urbana, Ill.  
 Bøggild, O. B., Univ. of Copenhagen, Copenhagen, Denmark.  
 \*Bowen, N. L., Geophysical Laboratory, Washington, D. C.  
 \*Bowles, Oliver, U. S. Bureau of Mines, New Brunswick, N. J.

<sup>1</sup> The names and addresses here listed are those on record January 1, 1927. Any omission or correction should be sent to the Secretary, Prof. Frank R. Van Horn, Case School of Applied Science, Cleveland, Ohio.

- \*Bruce, E. L. Dept. of Mineralogy, Queen's Univ., Kingston, Ontario, Canada.  
Buddington, Arthur F., Dept. of Geology, Princeton University, Princeton, N. J.  
Burbank, Wilber S., U. S. Geological Survey, Golden, Colorado.
- †Butler, G. M., University of Arizona, Tucson, Arizona.
- \*Buttgenbach, Henry J., 439 Avenue Louise, Brussels, Belgium.
- †Cahn, Lazard, 6 N. 8th St., Colorado Springs, Colorado.
- \*Clark, Robert W., 217 Commerce Bldg., Okmulgee, Oklahoma.
- †Colony, R. J., Dept. of Geology, Columbia University, New York City.
- \*Cook, Charles W., Dept. of Geology, Univ. of Michigan, Ann Arbor, Michigan.
- \*Crawford, R. D., 1050 10th St., Boulder, Colo.
- \*Crook, A. R., State Museum, Springfield, Illinois.
- \*Dana, Edward S., 24 Hillhouse Ave., New Haven, Conn.
- †Dodge, Francis D., 291 Henry St., Brooklyn, N. Y.
- \*Eakle, Arthur S., Dept. of Mineralogy, Univ. of California, Berkeley, Calif.
- \*Ellsworth, H. V., Geological Survey, Ottawa, Canada.
- †English, George L., 50 Brighton St., Rochester, N. Y.
- \*Eyerman, John, 2012 La Brea Terrace, Hollywood, Calif.  
Fairbanks, E. E. c/o A. S. Wilson, 617 W. 135th St., New York City.  
Farnham, Charles M., Barre Plains, Mass.
- \*Fettke, Chas. R., 1118 Wightman St., Squirrel Hill Station, Pittsburgh, Pa. .
- \*Ford, William E., 876 Yale Station, New Haven, Conn.
- \*Foshag, William F., U. S. National Museum, Washington, D. C.  
Gage, R. B., Box 106, Trenton, New Jersey.  
Gillson, Joseph L., Room 4-338 Massachusetts Inst. of Tech., Cambridge, Mass.
- \*Gordon, Samuel G., Academy of Natural Sciences, Philadelphia, Pa.
- \*Graham, R. P. D., McGill University, Montreal, Canada.
- \*Guild, Frank N., Dept. of Geology, University of Arizona, Tucson, Ariz.
- \*Hawkins, Alfred C., Dept. of Geology, Rutgers College, New Brunswick, N. J.  
Hess, Frank L., U. S. Geological Survey, Washington, D. C.  
Hewett, Donnel F., U. S. Geological Survey, Washington, D. C.
- \*Hones, Arthur P., 113 Frazier St., State College, Pa.
- \*Hubbard, Lucius L., Houghton, Michigan.
- \*Hunt, Walter F., Dept. of Mineralogy, Univ. of Michigan, Ann Arbor, Michigan.
- \*Insley, Herbert, Industrial Bldg., Bureau of Standards, Washington, D. C.
- \*Johnston, Robert A. A., 197 Bronson Ave., Ottawa, Canada.  
Kerr, Paul F., Dept. of Mineralogy, Columbia University, New York City.
- \*Klein, A. Albert, Norton Co., Worcester, Mass.  
Kôzu, S., Mineralogical and Petrographical Institute, Tohoku Imperial University,  
Sendai, Japan.
- \*Kraus, Edward H., Dept. of Mineralogy, Univ. of Michigan, Ann Arbor, Michigan.
- \*Kunz, George F., 405 Fifth Ave., New York City.  
Landes, Kenneth K., 1531 Kentucky St., Lawrence, Kansas.
- \*Lane, Alfred C., 222 Arlington St., Cambridge, Mass.
- \*Larsen, Esper S., 3 Oak Ave., Belmont, Mass.
- †Lee, O. Ivan, 2684 Boulevard, Jersey City, New Jersey.
- \*Lewis, J. Volney, Dept. of Geology, Rutgers College, New Brunswick, N. J.
- \*Louderback, G. D., Dept. of Geology, Univ. of California, Berkeley, Calif.
- \*Luquer, L. McL., Pine Lodge, Mt. Kisko, New York.

- †Manchester, James G., 34 Nassau St., New York City.
- \*Mathews, Edward B., Dept. of Geology, Johns Hopkins Univ., Baltimore, Md.
- \*McCaughey, William J., Lord Hall, Ohio State University, Columbus, O.
- \*Merwin, Herbert E., Geophysical Laboratory, Washington, D. C.
- Miller, Benjamin L., Lehigh University, South Bethlehem, Pa.
- Miller, William J., Univ. of California, Southern Branch, Los Angeles, Calif.
- \*Moore, E. S., Dept. of Geology, Univ. of Toronto, Toronto, Canada.
- Orcel, J. M., Museum d'Histoire Naturelle, 61 Rue de Buffon, Paris, France.
- \*Palache, Charles, 106 Appleton St., Cambridge, Mass. [Life fellow].
- \*Parsons, A. L., Dept. of Mineralogy, University of Toronto, Toronto, Canada.
- \*Peck, Albert B., Dept. of Mineralogy, Univ. of Michigan, Ann Arbor, Michigan.
- \*Phillips, Alexander H., 54 Hodge Rd., Princeton, N. J.
- \*Poitevin, Eugene, Geological Survey, Ottawa, Canada.
- \*Porter, Miss Mary W., 6 Tackley Place, Oxford, England.
- \*Richardson, C. H., Syracuse University, Syracuse, N. Y.
- \*Ries, H., Dept. of Geology, Cornell University, Ithaca, N. Y.
- \*Rogers, Austin F., Dept. of Mineralogy, Stanford University, California.
- Ross, Clarence S., U. S. Geological Survey, Washington, D. C.
- Runner, J. J., Old Science Bldg., Univ. of Iowa, Iowa City, Iowa.
- Russell, Arthur E., Swallowfield Park, Reading, Berks., England.
- Sampson, Edward, Dept. of Geology, Princeton University, Princeton, New Jersey.
- \*Schaller, Waldemar T., U. S. Geological Survey, Washington, D. C.
- Schoep, Alfred, Dept. of Mineralogy, Univ. of Ghent, Ghent, Belgium.
- Schrader, Frank C., U. S. Geological Survey, Washington, D. C.
- Shannon, Earl V., U. S. National Museum, Washington, D. C.
- Simpson, Edward S., Government Laboratory, Wellington, Western Australia.
- Steiger, George, U. S. Geological Survey, Washington, D. C.
- Taber, Stephen, Dept. of Geology, Univ. of South Carolina, Columbia, S. C.
- \*Tarr, W. A., University of Missouri, Columbia, Missouri.
- \*Thomson, Ellis, Dept. of Mineralogy, Univ. of Toronto, Toronto, Canada.
- \*Van Horn, Frank R., Case School of Applied Science, Cleveland, Ohio. [Life fellow].
- †Vaux, George, Jr., Gulph Road, Bryn Mawr, Pa.
- Von Schlichten, Otto, Univ. of Cincinnati, Cincinnati, Ohio.
- \*Walker, T. L., Univ. of Toronto, Toronto, Canada.
- \*Wallace, Robert C., Dept. of Geology, Univ. of Manitoba, Winnipeg, Canada.
- Wandke, Alfred, Unanajusta, Mexico.
- \*Washington, Henry S., Geophysical Laboratory, Washington, D. C.
- Watanabe, Manjiro, Tohoku Imperial University, Sendai, Japan.
- Weidman, Samuel, 814 Monett St., Norman, Oklahoma.
- \*Wells, Roger C., U. S. Geological Survey, Washington, D. C.
- †Westgate, Lewis G., 124 Oak Hill Ave., Delaware, Ohio.
- \*Wherry, Edgar T., Bureau of Chemistry, Dept. of Agriculture, Washington, D. C.
- \*Whitlock, H. P., American Museum of Natural History, New York City.
- †Wigglesworth, Edward, Boston Society of Natural History, 234 Berkeley St., Boston, Mass. [Life fellow].
- Wilder, Frank A., Southern Gypsum Co., North Holston, Va.
- \*Winchell, Alexander N. Dept. of Geology, Univ. of Wisconsin, Madison, Wis.
- \*Wolff, John E., 360 South Grand Ave., Pasadena, California.

- \*Wright, Fred E., Geophysical Lab., Washington, D. C.  
Wyckoff, R. W. G., Geophysical Lab., Washington, D. C.

MEMBERS OF THE MINERALOGICAL SOCIETY OF AMERICA<sup>1</sup>

(\*Indicates charter member)

- \*Adams, George I., Dept. of Geology, Univ. of Alabama, University, Alabama.  
Adams, Sidney F., Box 123, Stanford University, California.  
Agar, William M., 61 Turnbull St., New Haven, Conn.  
Aldridge, Curtece, 307 Elm St., Rome, New York.  
Allen Frederick I., 55 East 65th St., New York City.  
Allen, Victor T., Dept. of Geological Sciences, Univ. of California, Berkeley, Calif.  
Anderson, Charles A., Dept. of Geological Sciences, Univ. of California, Berkeley, Calif.  
\*Armstrong, L. K., 720 Peyton Bldg., Spokane, Washington.  
Arndt, Harold W., 528 Woodcrest Ave., Ardmore, Pa.  
Artini, E., Museo di Storia Naturale, Giardini Pubblici, Milano (13), Italy.  
\*Ashby, George E., 265 Washington Ave., Brooklyn, N. Y.  
\*Ayers, Vincent L., Dept. of Mineralogy, Univ. of Michigan, Ann Arbor, Michigan.  
Baddley, Elmer, 315 Alma St., Palo Alto, California.  
\*Bailey, E. M., Andover, Maine.  
\*Baker, J. Willard, R. F. D. No. 2, Franklin, Mass.  
\*Bartlett, Fred W., Station A, R. F. D. No. 2, Syracuse, N. Y.  
Bartlett, Lathrop, 15 Norfolk Road, Chestnut Hill, Pa.  
Beckwith, H. Rea, 421 Washington St., Saginaw, Michigan.  
\*Beery, G. P., 849 15th St. A., Moline, Ill.  
Biernbaum, Morrell G., 4406 Walnut St., Philadelphia, Pennsylvania.  
Biglowe, W. E., 56 Beacon St., Boston, Mass. [Life Member].  
Blank, Horace R., Dept. of Geology and Mineralogy, Columbia University, New York City.  
Block, Arthur C., 1008½ West Silver St., Butte, Montana.  
Blumenthal, Maurice, 558 Quincy St., Brooklyn, N. Y.  
Boatner, H., 618 Landers Bldg., Springfield, Mo.  
Boyle, J. C., 223 Kenmore Rd., Brookline, Upper Darby P. O. Delaware Co., Pa.  
Bradfield, H. H., Roxana Petroleum Corporation, Ardmore, Okla.  
Bradley, F. F., 2466 Broadway, Toledo, Ohio.  
Brant, Arthur M., Lord Hall, Ohio State University, Columbus, Ohio.  
Bravo, José J., San Antonio 694 Correo, Apartado 1964, Lima, Peru.  
\*Broadwell, W. H., 571 Hawthorne St., Newark, N. J.  
Bronson, Ralph J., 6 Downs St., R. F. D. Bristol, Conn.  
Brown, Walter S., 269 South Union St., Burlington, Vermont.  
Bumsted, C. Van R., 235 Grafton Ave., Newark, N. J.  
Burger, Martin J., Room 4-348, Massachusetts Institute of Technology, Cambridge, Mass.

<sup>1</sup> The names and addresses here listed are those on record January 1, 1927. Any omission or correction should be reported to the secretary, Prof. Frank R. Van Horn, Case School of Applied Science, Cleveland, Ohio.

- Burnett, N. H., 3727 South M. St., Tacoma, Washington.  
Burr, J. H. Ten Eyck, Cazenovia, New York.
- \*Burrage, Albert C., 85 Ames Bldg., Boston, Mass.  
Burt, Frederick A., Faculty Exchange, College Station, Texas.  
Buskett, Evans W., 2501 Pennsylvania Ave., Joplin, Missouri.  
Butler, B. T., Room 316 Main Bldg., College of City of New York, New York City.
- Campbell, Ian, Dept. of Geology and Mineralogy, Louisiana Univ., Baton Rouge, La.  
Caracristi, Charles F. Z., Caracas, Venezuela, South America.  
Carhart, Grace M., Hunter College, Park Ave. and 68th St., New York City.  
Carmichael, Miss Ferga, 527 Shaw St., Toronto, Canada.  
Carpenter, George E., 210 North 7th St., Newark, New Jersey.  
Carroll, W. B., State School of Mines, Butte, Montana.  
Carter, Charles, 908 North 4th St., Fairfield, Iowa.
- \*Chadbourne, E. R., 394 Pleasant St., Melrose, Mass.  
Chen, Heo H., 3a Conant Hall, Cambridge, Mass.  
Clay, Wm. T., 511 Walnut Lane, Swarthmore, Pa.  
Clinton, Henry G., Box B, Manhattan, Nevada.  
Connolly, Joseph P., 905 Columbus St., Rapid City, S. Dakota.  
Corbett, Clifton S., University of Kansas, Lawrence, Kansas.  
Cragie, D. E., Box 789, Timmins, Ontario, Canada.  
Crawford, Arthur L., 91 Ekins Court, Provo, Utah.  
Cummins, A. B., Box 425, Lompoc, California.
- \*Dailey, J. G., Casilla Correo Num 2111, Buenos Aires, Argentina.  
Dake, H. C., 793½ Thurman St., Portland, Oregon.  
Daniels, W. B., 250 Front St., New York City.
- \*Davis, A. W., 703 Humbert Ave., Utica, N. Y.
- \*de Clairmont, Adolph, 921 S. Bonnie Brae St., Los Angeles, California.  
Doll, Charles G., Dept. of Geology, Brown University, Providence, R. I.  
Duce, James T., c/o A. C. Hunter, 17 Battery Place, New York City.  
Dudley, Paul, Dept. of Geological Sciences, Univ. of California, Berkeley, Calif.  
Eggleston, Julius W., Junior College, Riverside, California.  
Ehrenfeld, Frederick, Dept. of Geology, Univ. of Pennsylvania, Philadelphia, Pa.  
Elwell, Wilbur J., 38 W. Wooster St., Danbury, Conn.  
Emery, Alden H., U. S. Bureau of Mines, Pittsburgh, Pa.  
Emens, Warren H., Box 918, Cobalt, Ontario.
- \*Evans, Oren F., University of Oklahoma, Norman, Okla.  
Fair, Henry, 395 City Hall, Spokane, Washington.  
Faust, G. T., 1520 West Susquehanna Ave., Philadelphia, Pa.  
Fisher, D. Jerome, Dept. of Geology, Univ. of Chicago, Chicago, Ill.  
Fisher, Lloyd W., 13 Brown St., Providence, R. I.
- \*Flack, Wylie H., 4418 N. 15th St., Philadelphia, Pa.  
Fleischer, Arthur, 217 Mt. Grove St., Bridgeport, Conn.  
Forbes, R. F., Ashdene Sidcup, Kent, England.
- \*Ford, Hugh A., P. O. Box 107, Cristobal, Panama, Canal Zone.  
Fretz, A. H., 400 Reeder St., Easton, Pa.  
Furcron, A. S., Dept. of Geology, Western Reserve University, Cleveland, Ohio.  
Gangler, Andy, Box 393, Bishop, California.

- Gedney, Edwin K., Dept. of Geology, Brown University, Providence, R. I.
- \*Gehman, Geo. W., 248 Wall St., Bethlehem, Pa.
- \*Goodnow, Henry R., 98 Riverside Drive, New York City.
- Gordon, William T., Kings College, Strand London W. C. 2, England.
- \*Green, Frank T., 1176 Fell St., San Francisco, California.
- \*Greenland, C. W., Box 1242, Timmins, Ontario, Canada.
- Gregory, Albert G. F., 139 Fulham Rd., So. Kensington, London, S. W. 3, England.
- Gregory, Edward P., Detroit Star Grinding Wheel Co., 111 Cavalry Ave., Detroit, Mich.
- \*Grenzign, J. G., 219 Lincoln St., Brooklyn, N. Y.
- Gross, Erwin F., 1169 E. 37th St., Brooklyn, N. Y.
- Gushee, Edward, 2122 N. 28th St., Philadelphia, Pa.
- Hallowell, Horace J., 4809 Springfield Ave., Philadelphia, Pa.
- \*Hammer, Alfred E., Malleable Iron Fittings Co., Branford, Conn. [Life member.]
- Hartstad, A. J., Wolf Creek, Montana.
- Hart, Gilbert, P. O. Box 2005, Birmingham, Alabama.
- \*Hart, William C., 101 Ruxton St., Manitou, Colo.
- Harter, R. F. H., Walkerville, Montana.
- Harvey, Roger D., 11 Fresh Pond Lane, Cambridge, Mass.
- Hawxhurst, Robert, Jr., 613 First National Bank Bldg., San Francisco, Calif.
- Hayden, Harry, 208 Union St. Extension, Uniontown, Pa.
- Henderson, Edward P., U. S. Geological Survey, Washington, D. C.
- \*Hesnard, Emil E., Keystone, South Dakota.
- Hills, Thomas McD., Dept. of Geology, Vassar College, Poughkeepsie, N. Y.
- \*Hoadley, Chas., Englewood, N. J.
- Hoh, T. C., Hip Chai Medical Society, Dong Young St., Nianning, Kwangsi, China.
- Howard, W. V., Dept. of Geology, Univ. of Illinois, Urbana, Illinois.
- Huggins, Maurice L., Box 653, Stanford University, Calif.
- Hurst, George D., 344 West 57th St., New York City.
- Hyland, Jack, 1016 Sixteenth St., N. W., Washington, D. C.
- Jacobs, Elbridge C., Univ. of Vermont, Burlington, Vermont.
- \*Jandorf, M. L., 9 E. Market St., York, Pa.
- Jenkins, Olaf P., c/o Nederlandsche Koloniale Petroleum Maatschappij Sliuisburg Weltevoreden, Batavia, Dutch East Indies.
- \*Johnson, J. Harlan, Box 343, Golden, Colo.
- Johnson, Richard, 5 Prospect St., Ticonderoga, New York.
- \*Jonas, A. F., 612 Omaha B. & L. Assoc. Bldg., Omaha, Nebraska.
- \*Judson, Charles, British Empire Club, 12 St. James Square, S. W. 1, London, England.
- Karpinsky, Rev. R. E., Manawa, Wisconsin.
- Kay, Abbott E., 486 Phillips Ave., Glen Ellyn, Illinois.
- Keeler, Mrs. L. M., Scarsdale, N. Y.
- Keenan, Geo. L., 1337 Taylor St., N. W., Washington, D. C.
- \*Knabe, Wm. C., 3853 Gratz St., Philadelphia, Pa.
- Koenig, Robert P., Cerro de Pasco Copper Co., Cerro de Pasco, Peru.
- Lambert, Frank, 192 Prospect Park S. W., Brooklyn, New York.
- Landon, Robert E., 4122 North Keystone Ave., Chicago, Illinois.
- Law, Edward S., Box 4, Charlemont, Mass.

- Lawson, C. C., 124 Prospect St., New Haven, Conn.  
Lee, H. T., Geological Survey of China, 3 Feng-Sheng Huting, Peking, China.  
Leidel, C., 3120 South 7th St., St. Louis, Missouri.  
Lemcke, W. L., 609 14th St., Franklin, Pa.  
Lewis, Lyman W., 44 Conant Hall, Cambridge, Mass.  
Lewis, Thomas J., 6707 Lansdowne Ave., Philadelphia, Pa.  
\*Lind, J. C., Weber College, Ogden, Utah.  
Lonsdale, John T., Bureau of Economic Geology and Technology, Univ. of Texas, Austin, Texas.  
Loofbouron, R. L., Box 2158, Stanford University, California.  
\*Manley, J. A., 132 Hamilton St., New Brunswick, N. J.  
Mantle, J. G. C., 111 Ames Ave., Leonia, N. J.  
Martens, James H. C., Dept. of Geology, Cornell Univ., Ithaca, N. Y.  
Mathais, H. E., 1304 Bass Ave., Columbia, Missouri.  
\*Maynard, Ernest A., 17 Union Park Ave., Jamaica, N. Y.  
Mazzone, C. Victor, Walsenburg, Colorado.  
\*McKinstry, Hugh E., Harvard Univ., Foxcroft House, Cambridge, Mass.  
\*McNairn, W. Harvey, Dept. of Geology, McMaster Univ., Toronto, Canada.  
McNinch, S. S., 202-3 Realty Bldg., Charlotte, N. C.  
Melhase, John, 651 Vincente Ave., Berkeley, Calif.  
\*Merrill, Mrs. Charles W., c/o Mexican Candelaria Co., S. A. Contra Estaca, Sinaloa, Mexico.  
\*Meschenmoser, W. F., Newdorp, Staten Island, N. Y.  
Metcalf, Fred C., Box 51, Asbury Park, N. J.  
Miller, Morrow C., Lompoc, California.  
Milton, Charles, 254 Natural Sc. Bldg., Univ. of Illinois, Urbana, Ill.  
\*Morgan, L. P., U. S. Assay Office, New York City.  
\*Morgenthau, M. L., Hotel Ambassador, New York City.  
Morton, James F., Paterson Museum, Paterson, New Jersey.  
\*Mott, E. C., 51 Warburton Ave., Yonkers, N. Y.  
\*Mumford, Warren E., 95 Rogers St., Branford, Conn.  
\*Myers, William M., Bureau of Mines, New Brunswick, New Jersey.  
Newhouse, W.H., 4-348, Dept. of Geology, Mass. Inst. Tech., Cambridge, Mass.  
Okamoto, Yohachiro, c/o Kyokuei-Shoin, Amoy, China.  
\*Oldach, F. M., 2131 N. 18th St., Philadelphia, Pa.  
\*Oppenheimer, J. Robert, 155 Riverside Drive, New York City.  
Over, Edwin, Room 304, Steel Works "Y," Pueblo, Colorado.  
\*Paige, C. H., Box 84, Cambridge, Mass.  
Paquette, Walter J., 253 Worthington St., Toledo, Ohio.  
\*Peck, Harry S., 472 Broadway, Albany, N. Y.  
Pegau, Arthur S., University of Virginia, Charlottesville, Va.  
Pitks, T. L., Schliessfach 59, Charlottenburg, Germany.  
\*Pohndorf, Arthur G., 400 17th St., Denver, Colo.  
Poindexter, O. Floyd, Case School of Applied Science, Cleveland, O.  
\*Pope, Fred J., 1061 N. Broadway, Yonkers, N. Y.  
Porter, Duportal D., 806 Lane Blvd., Kalamazoo, Mich.  
Porter, William W. II., 2124 East 17th Ave., Denver, Colorado.  
Putnam, Palmer G., 2 West 45th St., New York City.  
\*Ramsdell, Lewis S., Dept. of Mineralogy, Univ. of Michigan, Ann Arbor, Mich.

- \*Reamer, Louis, 336 Elizabeth St., Orange, New Jersey.  
Reed, R. D., 1021 Forest Court, Palo Alto, Calif.  
Richarz, Stephen, St. Mary's College, Techny, Illinois.  
Rickaby, H. C., 280 Kennedy Ave., Toronto, Canada.  
Rosicky, V., Univ. Masaryk's Brno, Kounicova 59, Republic Czechoslovakia.  
Rouse, Hunter, 2271 Parkwood Ave., Toledo, Ohio.  
Rutherford, R. L., Dept. of Geology, Univ. of Alberta, Edmonton, Canada.  
Sanborn, Frank, State Mining Bureau, Ferry Bldg., San Francisco, Calif.  
Schairer, J. F., Box 1283, Yale Station, New Haven, Conn.  
Schernikow, Ernest, 775 Post St., San Francisco, California.  
Schmid, Edward R., 267 Bloomfield Ave., Verona, New Jersey.  
\*Schneider, H., 765 Harrison Ave., Salt Lake City, Utah.  
Schneiderhöhn, Hans, Director Mineralogical Institute, Univ. of Freiburg,  
Burgunder Strasse 30, Freiburg, Germany.  
\*Schulz, George E., 400 Elm St., Calumet, Michigan.  
Selchow, D. H., 4 Mansfield St., New Haven, Conn.  
\*Senstius, Maurits W., 1014 Cornwell Place, Ann Arbor, Michigan.  
\*Shafer, Harry C., 205 Franklin Ave., Norristown, Pa.  
Shelton, R. E., 206 Yates B., Boise City, Idaho.  
\*Shipton, T. D., Hanover, Ill.  
Short, Max N., U. S. Geological Survey, Washington, D. C.  
Simondetti, Luigi, Via Carlo Alberto 38, Turin, Italy.  
Skea, E. M., Box 46, Pilgrims Rest, Transvaal, South Africa.  
\*Slawson, Chester B., Dept. of Mineralogy, Univ. of Michigan, Ann Arbor, Mich.  
Small, Howard K., R. F. D. No. 2, Riverside, Calif.  
Smith, George, Inspector of Mines, 85 Muston St., Mosman, New South Wales,  
Australia.  
\*Stanton, Gilman S., 402 W. 153rd St., New York City.  
Surr, Gordon, Citrus Experiment Station, Riverside, Calif.  
Taylor, B. B., 861 Dayton St., Kenosha, Wis.  
Thowless, Herbert L., 255 4th St., Newark, N. J.  
Todd, E. W., 33 Hambly Ave., Toronto, Ont.  
\*Trudell, Harry W., 2030 E. Madison St., Philadelphia, Pa.  
Trythall, James, 221 E. Butler St., Fort Wayne, Indiana.  
Tunell, George G., Geophysical Laboratory, Washington, D. C.  
Turner, Fred E., 175 North St., Willimantic, Conn.  
Tuthill, Miss Isabel, Rocky Point, N. Y.  
\*Vanartsdalen, J. F., Willow Grove, Pa.  
Van De Graaff, A., 925 Thirty-Second St., Ogden, Utah.  
Vesignie, Jean P. L., 35 Rue St. Honoré, Fontainebleau, Seine et Marne, France.  
Vibert, Henri, Bound Brook, N. J.  
\*Vonsen, M., Petaluma, Calif.  
\*Walcott, A. J., Dept. of Geology, Northwestern Univ., Evanston, Ill.  
\*Waldschmidt, W. A., Dept. of Geology, Colorado School of Mines, Golden, Colo.  
\*Walther, P., 508 Muriel Parkway, Elizabeth, N. J.  
\*Weidhass, Ernest, 408 W. 42nd St., New York City.  
Weigand, P. H., 849 Grant Blvd., Milwaukee, Wis.  
Whitman, Alfred R., 716 North Harvard Blvd., Los Angeles, Calif.  
Wilkerson, A. S., 4710 Hamilton Ave., Cincinnati, Ohio.



- \*Williams, Mrs. Franklin D., 24 Dean St., Tauton, Mass.  
 \*Willig, H. L., 140 E. Vine St., Lancaster, Pa.  
 \*Wilson, E. H., 37 Forest Ave., Caldwell, N. J.  
 Wilson, Thomas, 142 North Arlington St., East Orange, N. J.  
 \*Winn, C. R., Box 577, Butte, Mont.  
 \*Withrow, James E., Dept. of Chemistry, Ohio State University, Columbus, Ohio.  
 Woodford, Alfred O., Pomona College, Claremont, Calif.  
 Wrede, Frank, 143 Driggs Ave., Brooklyn, N. Y.  
 Wuestner, Herman, 3335 Cavanaugh Ave., Westwood, Cincinnati, Ohio.  
 Zell, Lucian M., 522 5th Ave. at 44th St., New York City.  
 Zodac, Peter, 157 Wells St., Peekskill, N. Y.

## PROCEEDINGS OF SOCIETIES

### PHILADELPHIA MINERALOGICAL SOCIETY

*Academy of Natural Sciences of Philadelphia, Jan. 6, 1927.*

A stated meeting of the Philadelphia Mineralogical Society was held on the above date with the president, Mr. Vaux, in the chair. Twenty-two members and nine visitors were present.

Mr. F. A. Cajori addressed the Society on "*Some mineral localities in the Pike's Peak region.*" After a brief description of the region the following well-known localities were discussed in detail: Crystal Peak near Florissant where the finest of the Pike's Peak amazonstone was found; the pegmatites of St. Peter's Dome characterized by the presence in them of the soda-rich amphibole, riebeckite, and other unusual minerals; and lastly the Cripple Creek mining district. The speaker gave a short history of mining in Cripple Creek and described the mode of occurrence of the gold and associated minerals. The talk was illustrated with views and maps of the region and minerals from the localities described.

F. A. CAJORI, *Secretary*

### NEW YORK MINERALOGICAL CLUB

*Regular Monthly Meeting of October 20, 1926.*

A regular monthly meeting of the New York Mineralogical Club was held in the East Assembly Room of the American Museum of Natural History on the evening of October 20, 1926. The Committee on Membership reporting favorably on Mr. Conrad Moeller, he was declared elected to membership on a ballot cast by the Secretary.

The following names were submitted for membership by the Secretary:—Mr. K. D. Perkins, 285 Madison Avenue, N. Y. City; Mr. Joseph Quinn, Amer. Museum of Natural History, N. Y. City; and Dr. H. R. Blank, Columbia University, N. Y. City. The secretary moved that in view of the fact that one of these candidates was already a member of the N. Y. Academy of Sciences, and that the other two were well known to many members of the club, that their names be submitted forthwith to the committee. This motion being carried and the Chairman reporting favorably from the floor on the names submitted, the President instructed the Secretary to cast one ballot for these candidates who were declared duly elected.