

HONORARY LIFE FELLOWS OF THE MINERALOGICAL
SOCIETY OF AMERICA

Brauns, Reinhard, University of Bonn, Germany.
Brögger, Waldemar C., University of Oslo, Norway.
Friedel, A., University of Strassburg, Strassburg, Alsace, France.
Goldschmidt, Victor, University of Heidelberg, Heidelberg, Germany.
Lacroix, A., Museum of Natural History, Paris, France.
Rinne, Friedrich, Günterstal, Freiburg in Baden, Germany.
Spencer, L. J., Natural History Museum, South Kensington, London, S. W. 7,
England.

LIST OF FELLOWS AND MEMBERS OF THE MINERALOGICAL
SOCIETY OF AMERICA¹

(*Indicates Fellow)

- *Adams, Elliot Q., Lamp Development Lab., Nela Park, Cleveland, Ohio.
Agar, William M., Dept. of Geology, Columbia University, New York City.
Ahlfeld, Friedrich, Marburg a/Lahn, Germany.
Allen, Frederick I., 55 East 65th St., New York City.
Allen, Fred M., Box 185, Gastonia, North Carolina.
*Allen, Victor T., St. Louis University, 221 N. Grand Blvd., St. Louis, Missouri.
*Alling, Harold L., 31 Barrington St., Rochester, New York.
Amilcar, Mario de Jesus, Institute Superior Tecnico, Lisboa, Portugal.
*Aminoff, Gregori, Riksmuseet, Stockholm 50, Sweden.
*Andersen, Olaf, Research Lab., U. S. Steel Corp., Kearny, New Jersey.
Anderson, Charles A., Dept. of Geology and Mineralogy, University of California,
Berkeley, California.
Andrews, Gerald, Dept. of Geology, Egyptian University, Cairo, Egypt.
Armstrong, L. K., 704 Peyton Bldg., Spokane, Washington.
*Ashcroft, Frederick Noel, 1 Egerton Gardens, South Kensington, S. W. 3, London,
England (Life Fellow).
Ayers, Vincent L., Michigan College of Mines and Technology, Houghton, Michi-
gan.

Bailey, E. M., Andover, Maine.
Baker, J. Willard, R. F. D. No. 1, Wrentham, Massachusetts.
Balke, Claire C., 40 Deere Park Drive South, Highland Park, Illinois.
Bandy, Mark C., Chile Exploration Co., Chuquicamata, Chile, South America
via Antofogasta.
Bannerman, H. M., Dartmouth College, Hanover, New Hampshire.
Barret, Harvey P., P. O. Box 43, Charlotte, North Carolina.
Barrett, R. L., 1724 East 115th St., Cleveland, Ohio.
Barth, Tom. F. W., Geophysical Laboratory, Washington, D. C.
*Bascom, Miss F., R. F. D. No. 3, North Adams, Massachusetts.

¹ The names and addresses here listed are those on record January 1, 1933. Any omission or correction should be sent to the Secretary, Dr. Frank R. Van Horn, Case School of Applied Science, Cleveland, Ohio.

- *Bauer, L. H., New Jersey Zinc Co., Franklin, New Jersey.
- *Bayley, William S., Dept. of Geology, University of Illinois, Urbana, Illinois.
- Beery, G. P., 849 15th St. A., Moline, Illinois.
- Berger, Anton, Modling bei Wien, Haupt strasse 24, Austria.
- *Berman, Harry, 12 Bloomingdale Ave., Chelsea, Massachusetts.
- Berman, Joseph, 316 Washington St., Johnstown, Pennsylvania.
- Billings, Marland, 22 Burroughs St., Jamaica Plains, Massachusetts.
- Birdsey, B. A., Creede, Colorado.
- Blank, Eugene W., 241 North Ninth St., Allentown, Pennsylvania.
- Blank, Horace R., 41 Fisher Ave., Tuckahoe, New York.
- Block, Arthur C., Seymour, Wisconsin.
- Blumenthal, Maurice, 558 Quincy St., Brooklyn, New York
- Boatner, H., 420 Woodruff Bldg., Springfield, Missouri.
- *Bøggild, O., University of Copenhagen, Copenhagen, Denmark.
- Boubée, Nérée, 3 Boulevard et Place St. Andre-des-Arts, Paris, France.
- *Bowen, N. L., Geophysical Laboratory, Washington, D. C.
- *Bowles, Oliver, Building Material Division, U. S. Bureau of Mines, Washington, D. C.
- Boyle, J. C., 225 Kenmore Road, Brookline Upper Darby, Pennsylvania.
- Bradley, F. F., 2466 Broadway, Toledo, Ohio.
- Bradley, J. W., 1206 Pacific Mutual Bldg., Los Angeles, California.
- Brant, Arthur M., Lord Hall, Ohio State University, Columbus, Ohio.
- Brendler, W., Chemisches Mineralogisches Laboratorium, Hamburg 23, Marien-taler Str. 142, Germany.
- Broadwell, W. H., 571 Hawthorne St., Newark, New Jersey.
- Brown, Levi S., Room 4-358, Massachusetts Institute of Technology, Cambridge, Massachusetts.
- *Bruce, E. L., Dept. of Mineralogy, Queen's University, Kingston, Ontario, Canada.
- *Buddington, Arthur F., Princeton University, Princeton, New Jersey.
- *Buerger, Martin J., Room 4-346, Massachusetts Institute of Technology, Cambridge, Massachusetts.
- *Burbank, Wilbur S., U. S. Geological Survey, Golden, Colorado.
- Butler, B. T., Room 316 Main Bldg., College of the City of New York, 139th St. and Convent Ave., New York City.
- *Butler, G. M., University of Arizona, Tucson, Arizona.
- Butler, Robert D., Dept. of Geology, Massachusetts Institute of Technology, Cambridge, Massachusetts.
- *Buttgenbach, Henry J., 439 Avenue Louise, Brussels, Belgium.
- *Cahn, Lazard, 6 N. 8th St., Colorado Springs, Colorado.
- Callahan, J. E., 21 Acre Lane, Brixton, London, S. W. 2, England.
- Callahan, William H., Austinville, Virginia.
- Campbell, Charles D., Box 943, Stanford University, California.
- Campbell, Ian, Dept. of Geology, California Institute of Technology, Pasadena, California.
- Capps, Mrs. Washington L., 1823 Jefferson Place, N. W., Washington, D. C.
- Carhart, Miss Grace M., Hunter College, Park Ave., 268th St., New York City.
- Carobbi, Guido, Institutio di Mineralogia, R. Università, Via Messina, Italy.

- Case, L. V., Washington Irving High School, Tarrytown, New York.
Chadbourn, E. R., 394 Pleasant St., Melrose, Massachusetts.
Chase, Hugh D., Unity, Maine.
Chute, Newton E., 445 Lake Ave., Fairmont, Minnesota.
Cienkowski, Edmund H., 6803 Bustleton Ave., Philadelphia, Pennsylvania.
Clark, Ralph E. Jr., Reading Road and Linton St., Cincinnati, Ohio.
Clinton, Henry G., Box C, Manhattan, Nevada.
Codazzi, Ricardo L., P. O. Box 965, Bogota, Columbia.
Colburn, Burnham S., Greystone Court, Biltmore, North Carolina.
Colburn, William B., 333 Washington Rd., Grosse Pointe, Michigan.
*Colony, R. J., Dept. of Geology, Columbia University, New York City.
Commod, Julius, Bagdad Copper Co., Hillside, Arizona.
*Connolly, Joseph R., 1301 Eleventh St., Rapid City, South Dakota.
Conover, Ramon, Box 35, Kyserike, Ulster Co., New York.
*Cook, C. W., Geological Lab., University of Michigan, Ann Arbor, Michigan.
Cooley, Miss Mary E., Dept. of Geology, Mount Holyoke College, South Hadley, Massachusetts.
*Corbett, Clifton S., Gulf Oil Company, Room 1646, 17 Battery Place, New York City.
Correns, Dr., Mineralog-geolog Institut, Universitat Rostock, Wismarsche Str. 8, Rostock, Mecklinburg-Swerin, Germany.
Cox, Walter Y., 2611 Hartzell St., Evanston, Illinois.
Crawford, Arthur L., 1067 East 5th St., South, Salt Lake City, Utah.
*Crawford, R. D., 1050 Tenth St., Boulder, Colorado.
Currier, L. W., U. S. Geological Survey, Washington, D. C.
Curtis, Peter L., Skagga Springs, California.
- Dailey, Jas. G., c/o Defiance Spark Plugs, Inc., Toledo, Ohio.
Dake, H. C., 793½ Thurman St., Portland, Oregon.
*Dana, E. S., 24 Hillhouse Ave., New Haven, Connecticut.
Davidson, Stanley C., San Louis Mining Co., Cordova y Cia, Estacion Dimas, Sinaloa, Mexico.
Denny, M. V., South Geyer Rd., Kirkwood, Missouri.
Diaz, Carlos A., Cassilla 60, La Serena, Chile.
*Dodge, Francis D., 69 Avenue A., Bayonne, New Jersey.
Donnay, J. D. H., Johns Hopkins University, Baltimore, Maryland.
Doten, Robert K., 58 Garfield St., Cambridge, Massachusetts.
Drummond, I. W., 436 West 22nd St., New York City.
- Eckel, Edwin B., U. S. Geological Survey, Golden, Colorado.
Edson, Fanny C., Box 1191, Tulsa, Oklahoma.
Eggleston, Julius W., Cuttingsville, Vermont.
Ehrmann, Martin L., 3435 Olinville Ave., New York City.
Elwell, Wilbur J., R. F. D. No. 4, Box 18, Danbury Connecticut.
*Ellsworth, H. V., Geological Survey, Ottawa, Canada.
Emery, Alden H., U. S. Bureau of Mines, Washington, D. C.
*Emmons, R. C., Science Hall, University of Wisconsin, Madison, Wisconsin.
Engel, Hans E., 95 De Mott Ave., Clifton, New Jersey.

- Engel, Rene, California Institute of Technology, Pasadena, California.
- *English, George L., 50 Brighton St., Rochester, New York.
- Fahey, J. J., U. S. Geological Survey, Washington, D. C.
- Fairchild, J. G., U. S. Geological Survey, Washington, D. C.
- Farnham, C. Mason, P. O. Box 33, Barre Plains, Massachusetts.
- Faust, G. T., 1520 West Susquehanna Ave., Philadelphia, Pennsylvania.
- *Fettke, Charles R., 1118 Wightman St., Squirrel Hill Station, Pittsburgh, Pennsylvania.
- Fisher, D. Jerome, Dept. of Geology, University of Chicago, Chicago, Illinois.
- Fisher, Lloyd W., Dept. of Geology, Bates College, Lewiston, Maine.
- Fisk, Henry G., Universal Portland Cement Co., Buffington, Indiana.
- Flack, Wylie H., Kemble Park Apt. 403A, 5700 Ogontz Ave., Philadelphia, Pennsylvania.
- Ford, Hugh Alex., British Consulate General, Lourenco Marques, Portuguese East Africa.
- *Ford, W. E., 876 Yale Station, New Haven, Connecticut.
- *Foshag, William F., Division of Mineralogy, U. S. National Museum, Washington, D. C.
- Foster, Wilder D., 305 South Saint Asaph St., Alexandria, Virginia.
- Fretz, A. H., 42 West Market St., Bethlehem, Pennsylvania.
- Frondel, Clifford, 3822-217th St., Bayside, Long Island, New York.
- Fuller, Richard E., 1642 Federal Ave., Seattle, Washington.
- Furcron, A. S., Dept. of Geology, Western Reserve University, Cleveland, Ohio.
- Gabriel, Alton, 7 River Road, New Brunswick, New Jersey.
- *Gage, R. B., Box 106, Trenton, New Jersey.
- Gallagher, David, 349 Clark Road, Brookline, Massachusetts.
- Galliher, E. Wayne, Route 2, Box 243, San Jose, California.
- Gehman, G. W., 248 Wall St., Bethlehem, Pennsylvania.
- *Gillson, Joseph L., Room 8060 Dupont Bldg., Wilmington, Delaware.
- *Gilluly, James, U. S. Geological Survey, Washington, D. C.
- Glass, Miss J. J., U. S. Geological Survey, Washington, D. C.
- Gonyer, Forest A., Dept. of Mineralogy, Harvard University, Cambridge, Massachusetts.
- *Gordon, Samuel G., Academy of Natural Sciences, Logan Circle, Philadelphia, Pennsylvania.
- Gordon, William Thomas, Kings College, Strand, London W. C. 2, England.
- Graeber, Charles K., Pennsylvania Geological Survey, Harrisburg, Pennsylvania.
- *Graham, R. P. D., McGill University, Montreal, Canada.
- Grawe, Oliver R., School of Mines and Metallurgy, Rolla, Missouri.
- Green, Frank T., 1176 Fell St., San Francisco, California.
- Greenland, C. W., Box 1242, Timmins, Ontario, Canada.
- Gregory, Albert G. F., "Melrose," Woodchurch, Ashford, Kent, England.
- Greig, J. W., Geophysical Lab., 2801 Upton St., N. W., Washington, D. C.
- Grenzig, J. G., 219 Lincoln Ave., Brooklyn, New York.
- Grosholz, Gustave, Zasiusstrasse 30, Freiburg in Brieslau, Germany.
- *Gruner, John W., Dept. of Geology and Mineralogy, University of Minnesota, Minneapolis, Minnesota.

Guerrlich, Francis, P. O. Box 805, Stamford, Connecticut.

*Guild, Frank N., 107 Olive Rd., Tucson, Arizona.

Gunnell, E. M., 595 East Losev St. Galesbury, Illinois.

Halbouty, M. T., Yount-Lee Oil Co., Beaumont, Texas.

Hall, F. P., 206 Granger Rd., Syracuse, New York.

Hall, George M., Dept. of Geology, University of Tennessee, Knoxville, Tennessee.

Hammer, Alfred E., Malleable Iron Fittings Co., Branford, Connecticut.

Hanley, Franklin B., 154 Bleecker St., Newark, New Jersey.

Hanley, John B., Bates College, Lewiston, Maine.

Harada, Z., Dept. of Mineralogy and Geology, Faculty of Science, Hokkaido Imperial University, Sapporo, Japan.

Harding, T. R., South Sudbury, Massachusetts.

Harrasowitz, Otto, Querstrasse 14, Leipzig, C 1, Germany.

Harrison, H. C., Research Bldg., Westinghouse Electric and Mfg. Co., East Pittsburgh, Pennsylvania.

Hart, W. C., 101 Ruxton St., Manitou, Colorado.

Hartley, B. W., Haileybury, Ontario, Canada.

*Hawkins, A. C., 300 Livingston Ave., New Brunswick, New Jersey.

*Hawley, James E., Dept. of Mineralogy, Queen's University, Kingston, Ontario, Canada.

Heineman, Robert E. S., 1633 E. Hawthorne St., Tucson, Arizona.

*Henderson, Edward P., Dept. of Geology, U. S. National Museum, Washington, D. C.

*Hess, Frank L., U. S. Bureau of Mines, 1221 Newton St., N. E., Brookland, D. C.

Hesthal, C. E., 92 East Lakeview Ave., Columbus, Ohio.

*Hewett, Donnel Foster, U. S. Geological Survey, Washington, D. C.

Hills, Thomas McD., Dept. of Geology, Vassar College, Poughkeepsie, New York.

Hirsch, Dipl. Ing. Willy, Fürstenstrasse 22, I^e, München, Germany.

Hirschi, Hans, Spiez, Switzerland.

Hoadley, Charles W., 2053 Union Ave., Montreal, Quebec, Canada.

Hodge, E. T., 1825 Fairmount St., Eugene, Oregon.

Holden, Guerdon S., Plain Dealer Building, Cleveland, Ohio. [Life member].

Holmes, Arthur, Science Lab., South Road, Durham, England.

Holmes, Lindsay D., 57 West 9th St., New York City.

*Hones, Arthur P., 113 Frazier St., State College, Pennsylvania.

Horn, Aubrey E., Loup House, Axminster, Devon, England.

*Hubbard, Lucius L., Houghton, Michigan.

Huggins, Maurice L., Dept. of Chemistry, Johns Hopkins University, Baltimore, Maryland.

*Hunt, Walter F., Mineralogical Lab., University of Michigan, Ann Arbor, Michigan.

Hurst, George D., 322 W. 56th St., New York City.

*Insley, Herbert, Industrial Bldg., Bureau of Standards, Washington, D. C.

Ito, Taneo, c/o Senko-Gakukyoshitsu, Kogakubu, Hokkaido Teikoku Daigaku Sapporo, Hokkaido, Japan.

- Jacob, Walter P., 2445 Graybar Bldg., New York City.
 Jacobs, Elbridge C., Univ. of Vermont, Burlington, Vermont.
 Jenks, William F., 803 State St., Madison, Wisconsin.
 Jones, A. M., Forest Service, Dulce, New Mexico.
 Jones, Gardner H., 8 Hill St., New Lakeport, New Hampshire.
 Johnson, J. Harlan, Box 343, Golden, Colorado.
 *Johnston, R. A. A., 162 St. George St., Toronto 5, Ontario, Canada.
- Karaback, Hans, Hawslabgasse 7, Vienna, Austria.
 Karlsson A., 265 E. 201st St., New York City.
 Karpinsky, R. E., Manawa, Wisconsin.
 Keller, W. D., 201 Swallow Hall, Columbia, Missouri.
 *Kerr, Paul F., Dept. of Mineralogy, Columbia University, New York City.
 Kerr-Lawson, Mrs. Ferga C., Box 5, Swastika, Ontario, Canada.
 King, Byron F., Lock Box 20, New Salem, Pennsylvania.
 *Klein, A. A., Norton Company, Worcester, Massachusetts.
 Knabe, William C., 3853 N. Gratz St., Philadelphia, Pennsylvania.
 Koschmann, A. H., U. S. Geological Survey, Washington, D. C.
 Kôsu, S., c/o Maruzen Co., Koksibun-Machi, Sendai, Japan.
 *Kôzu, S., Mineralogical and Petrographical Inst., Tohoku Imperial University, Sendai, Japan.
 Krantz, F., Herwarthstrasse 36, Bonn, Germany.
 *Kraus, Edward H., Mineralogical Lab., University of Michigan, Ann Arbor, Michigan.
 Krieger, Philip, Dept. of Geology, Columbia University, New York City.
 Krishnan, M. S., Geological Survey of India, 27 Chowringhee, Calcutta, India.
- *Landes, Kenneth K., Geology Dept., University of Kansas, Lawrence, Kansas.
 Landon, Robert E., Dept. of Geology, Colorado College, Colorado Springs, Colorado.
 *Lane, Alfred C., 222 Arlington St., Cambridge, Massachusetts.
 *Larsen, Esper S., 59 Orchard St., Belmont, Massachusetts.
 Lausen, Carl, P. O. Box 1223, Salt Lake City, Utah.
 Lee, H. T., Dept. of Geology, College of Science, National Central University, Nanking, China.
 *Lee, O. Ivan, 2634 Boulevard, Jersey City, New Jersey.
 Lemcke, W. L., 609-14th St., Franklin, Pennsylvania.
 Leonard, R. J., Dept. of Geology, University of Arizona, Tucson, Arizona.
 *Lewis, J. Volney, 6 Linden Place, White Plains, New York.
 Lind, J. C., Weber College, Ogden, Utah.
 *Lonsdale, John T., Dept. of Geology, Agricultural and Mechanical College, College Station, Texas.
 *Louderback, G. D., Dept. of Geology, University of California, Berkeley, California.
 Loughlin, G. F., U. S. Geological Survey, Washington, D. C.
- *Manchester, James G., 34 Nassau St., New York City.
 Manley, J. A., 132 Hamilton St., New Brunswick, New Jersey.

- Mantle, J. G. C., 111 Ames Ave., Leonia, New Jersey.
- Martens, James H. C., 519 Jefferson St., Morgantown, West Virginia.
- *Mathews, E. B., Dept. of Geology, Johns Hopkins University, Baltimore, Maryland.
- Mattson, V. L., Box 104, Burnsville, North Carolina.
- Maynard, Ernest A., 161-41, 86th Ave., Jamaica, New York.
- Maynard, James E., Dept. of Mineralogy, Syracuse University, Syracuse, New York.
- Mayo, Evans B., McGraw Hall, Cornell University, Ithaca, New York.
- *McCaughey, William J., Lord Hall, Ohio State University, Columbus, Ohio.
- McConnell, Duncan, 5213 Kenwood Ave., Hyde Park Station, Chicago, Illinois.
- McKinstry, Hugh E., Hollinger Gold Mines, Ltd., Timmons, Ontario, Canada.
- McLaren, W. L., Forest Lodge, Box 20, Perth, Ontario, Canada.
- McLellan, Roy D., 24 Lillian Terrace, Woodbridge, New Jersey.
- McNairn, W. Harvey, McMaster University, Hamilton, Canada.
- Melhase, John, 675 Vincente Ave., Berkeley, California.
- Mertie, J. B., Jr., U. S. Geological Survey, Washington, D. C.
- *Merwin, Herbert E., Geophysical Lab., Washington, D. C.
- *Miller, Benjamin L., Lehigh University, South Bethlehem, Pennsylvania.
- Miller, Clarence E., 7 Norwood Ave., Edgewood, Rhode Island.
- *Miller, William J., Dept. of Geology, University of California, Los Angeles, California.
- Mills, Earl, P.O. Box 964, Ketchikan, Alaska.
- Milton, Charles, U. S. Geological Survey, Washington, D. C.
- Minami, Eiichi, 2036 Uchigoshi, Nakano Machi, (Near Tokyo), Japan.
- Modell, David, 37 Wendell St., Cambridge, Mass.
- Montgomery, Arthur, 111 East 56th St., New York City.
- *Moore, E. S., Dept. of Geology, University of Toronto, Toronto, Canada.
- Morey, Philip S., 713 Missouri Ave., Columbia, Missouri.
- Morgan, Leonard A., 216 Jones Ave., Burlington, New Jersey.
- Morgan, L. P., U. S. Assay Office, 32 Old Slip, New York City.
- Morton, James F., Paterson Museum, Paterson, New Jersey.
- Murphy, Richard, Dome Mines Club #1, South Porcupine, Ontario, Canada.
- Murray, Albert N., Dept. of Geology, University of Tulsa, Tulsa, Oklahoma.
- Nemoto, Tadahiho, c/o Rigakubu Chi Skitsugaku Kyoshitsu, Hokkaido Teikoku Daigaku Sapporo, Hokkaido, Japan.
- Newcomet, William S., 3501 Baring St., Philadelphia, Pennsylvania.
- *Newhouse, W. H., Dept. of Geology, Room 4-348, Massachusetts Institute of Technology, Cambridge, Massachusetts.
- *Niggli, Paul, Eidgenössische Technische Hochschule, Zürich, Switzerland.
- Noble, James A., Homestake Mining Co., Lead, South Dakota.
- Nolan, Thomas B., U. S. Geological Survey, Washington, D. C.
- Noording, K. L., Vischmarkt 23, Groningen, Holland.
- Nutting, P. G., U. S. Geological Survey, Washington, D. C.
- Okada, Ietaka, Chemical Laboratory, The Shanghai Science Institute, No. 120, Route Ghizi, Shanghai, China.

- Oldach, Frederick M., 323 Wellesley Road, Philadelphia, Pa.
Olmstead, Frank R., 709 Lawrence St., Ann Arbor, Michigan.
- *Orcel, Jean, Museum d'Histoire Naturelle, 61 Rue de Buffon, Paris, France.
Over, Edwin J., Jr., 1316 N. Prospect St., Colorado Springs, Colorado.
- Pabst, Adolf, Dept. of Geology, University of California, Berkeley, California.
Pacini, A. J., 8100 McCormick Blvd., Northtown Station, Chicago, Illinois.
- *Palache, Charles, 106 Appleton St., Cambridge, Massachusetts. [Life fellow]
Palm, John, 913 Dewey Ave., Ann Arbor, Michigan.
Palumbo, Roberto, 2 via Gerolama Fracastoro, Rome, Italy.
- *Parker, Robert L., Swiss Federal Technical University, Zürich, Switzerland.
*Parsons, A. L., Dept. of Mineralogy, University of Toronto, Toronto, Canada.
Peacock, Martin A., Dept. of Mineralogy, Harvard University, Cambridge, Massachusetts.
- *Peck, Albert B., Mineralogical Lab., University of Michigan, Ann Arbor, Michigan.
Peck, Harry S., 472 Broadway, Albany, New York.
Pegau, Arthur A., University of Virginia, Charlottesville, Virginia.
Perkins, Edward H., Colby College, Waterville, Maine.
Perry, Elwyn L., Dept. of Geology, Williams College, Williamstown, Massachusetts.
- Pfordte, Otto F., Cairo, Greene Co., New York.
- *Phillips, Alexander H., 54 Hodge Rd., Princeton, New Jersey.
Pitts, William B., Sunnyvale, California.
Pohndorf, August, Jr., 758 Monroe St., Denver, Colorado.
Poindexter, O. Floyd, Michigan Geological Survey, Lansing, Michigan.
Pough, Frederick H., 4 Lenox Place, St. Louis, Missouri.
- Quinn, H. E., College of Mines, University of Texas, El Paso, Texas.
- *Ramdohr, Paul, Emmichstrasse 160, Aachen, Germany.
- *Ramsdell, Lewis S., Mineralogical Lab., University of Michigan, Ann Arbor, Michigan.
Reamer, Louis, 482 Lincoln Ave., Orange, New Jersey.
- *Richardson, C. H., Syracuse University, Syracuse, New York.
*Richarz, Stephen, St. Mary's College, Techny, Illinois.
- *Ries, H., Dept. of Geology, Cornell University, Ithaca, New York.
Ries, Minette, Phillips Petroleum Co., San Angelo, Texas.
- *Rogers, Austin F., Stanford University, California.
Rosenkrans, R. R., 243 Park Ave., State College, Pennsylvania.
Rosicky, V., Univ. Masaryk's Brno, Kounicova 59, Republic Czechoslovakia.
- *Ross, Clarence S., U. S. Geological Survey, Washington, D. C.
*Runner, J. J., Old Science Bldg., University of Iowa, Iowa City, Iowa.
*Russell, A. E., Swallowfield Park, Reading, Berks, England.
Rutherford, Ralph L., Dept. of Geology, Univ. of Alberta, Edmonton, Alberta, Canada.
- *Sampson, Edward, Dept. of Geology, Princeton, New Jersey.
*Sanborn, Frank, Division of Mines, Ferry Bldg., San Francisco, California.

- Schaefer, Eugene, Maywood Chemical Co., Maywood, New Jersey.
- *Schairer, J. F., Geophysical Lab., 2801 Upton St., Washington, D. C.
- *Schaller, Waldemar T., U. S. Geological Survey, Washington, D. C.
Schernikow, Ernest, 2240 Hyde St., San Francisco, California.
Schierecke, Theodore H., 1130 72nd St., Brooklyn, New York.
- *Schneider, Hyrum, University of Utah, Salt Lake City, Utah.
- *Schneiderhöhn, Hans, Mineralogisches Institut der Univeristät Freiburg, Burg-
understrasse 30, Freiburg, Germany.
- *Schoep, Alfred, Dept. of Mineralogy, University of Ghent, Ghent, Belgium.
- *Schrader, Frank C., U. S. Geological Survey, Washington, D. C.
Scott, Horace A., 1919 Greenleaf St., Santa Ana, California.
Shenon, P. J., U. S. Geological Survey, Washington, D. C.
Shone, T. L. H., P.O. Box 20, Postmasburg, Hay, South Africa.
- *Short, Max N., Dept. of Geology, University of Arizona, Tucson, Arizona.
- Shrader, John J. S., 184 Alvin St., Freeland, Pennsylvania.
Simondetti, Luigi, via Carlo Alberto 38, Turin, Italy.
- *Simpson, Edward S., Government Lab., Wellington St., Perth, Western Australia.
- Skea, E. M., P.O. Box 46, Pilgrims Rest, Transvaal, South Africa.
- Slabodnik, Mark, Index, Washington.
- *Slawson, Chester B., Mineralogical Lab., University of Michigan, Ann Arbor,
Michigan.
- Smith, Norman E., 514 South Ivy Ave., Monrovia, California.
- Sniffen, E. W., 3111 Boulevard, Hampton, Virginia.
- Snyder, S. N., Metamora, Illinois.
- Sohlberg, Rudolph G., 1117 Hamilton Ave., Palo Alto, California.
- Speiss, Moritz P., Marburg-Lahn, Germany.
- Spence, Hugh S., Mines Branch, Sussex St., Ottawa, Canada.
- Stadnichenko, Miss T., U. S. Geological Survey, Washington, D. C.
- Stanton, Gilman S., 245 W. 104th St., New York City.
- Starbird, Leonard H., 19 Craggmere Ave., South Portland, Maine.
- *Steiger, George, U. S. Geological Survey, Washington, D. C.
- Stevens, Albert L., 691 Culver Rd., Rochester, New York.
- Stevenson, John S., Dept. of Geology, Massachusetts Institute of Technologoy,
Cambridge, Massachusetts.
- Stewart, Duncan, 1070 Parker Ave., Detroit, Michigan.
- Stow, Marcellus H., 202 McDowell St., Lexington, Virginia.
- Strock, Lester W., Mineralogical Institute, Krakow University, Golebia 11,
Krakow, Poland.
- Stuckey, J. L., 1911 Sunset Drive, Raleigh, North Carolina.
- Sueno, Teiroke, No. 484, 1 Chome, Tamagawa-Okusawa-Cho, Setagaya-Ku,
Tokyo, Japan.
- Suffel, G. G., Noranda, Quebec, Canada.
- Sugi, Ushichi, 415 Shimo-Ochiai, (Near Tokyo), Japan.
- Surr, Gordon, Citrus Experiment Station, Riverside, California.
- Switzer, George, 827 D St., Petaluma, California.
- *Taber, Stephen, Dept. of Geology, University of South Carolina, Columbia,
South Carolina.

- *Tarr, W. A., 704 Westwood Ave., Columbia, Missouri.
 Thompson, M. R., 20 Williams Lane, Chevy Chase, Maryland.
- *Thomson, J. Ellis, Dept. of Mineralogy, University of Toronto, Toronto, Canada.
 Thowless, Herbert L., 255 Fourth St., Newark, New Jersey.
 Tilley, C. E., Dept. of Mineralogy and Petrology, University of Cambridge, Cambridge, England.
 Tolman, Carl, Dept. of Geology, Washington, University, St. Louis, Missouri.
 Tracy, John M., 601 Orange St., Portland, Oregon.
 Trainer, David W., Jr., 218 Wait Ave., Ithaca, New York.
 Trudell, Harry W., 2030 E. Madison St., Philadelphia, Pennsylvania.
- *Tunell, George G., Jr., Geophysical Lab., Upton St., Washington, D. C.
 Tuthill, Miss Isabel H., Rocky Point, New York.
 Tweed, J. R., Dept. of Physical Education, Chisholm, Minnesota.
- Vance, R. C., 300 Hawley St., Rochester, New York.
 Van der Eike, Paul, Dept. of Geology, Junior College, Bakersfield, California.
- *Van Horn, Frank R., Case School of Applied Science, Cleveland, Ohio. (Life Fellow).
 Varni, Stephen, 15 Maiden Lane, New York City.
 Vesignie, Jean P. L., 22 Rue du Général Foy, Paris VIII^e, France.
- *Von Eckerman, Harry, Sparreholm, Sweden.
 *Von Schlichten, Otto, University of Cincinnati, Cincinnati, Ohio.
 Vonsen, M., Petaluma, California.
- *Walcott, A. J., Dept. of Geology, Northwestern University, Evanston, Illinois.
 Waldschmidt, W. A., 1304 Cherokee St., Apt. No. 1, Denver, Colorado.
 Walker, Miss Koleta E., Newark, Arkansas.
- *Walker, T. L., Dept. of Mineralogy, University of Toronto, Toronto, Canada.
 *Wallace, R. C., University of Alberta, Edmonton, Alberta, Canada.
 Walther, P., 508 Muriel Parkway, Elizabeth, New Jersey.
- *Wandke, Alfred, The Guanajuato Consolidated Mining and Milling Co., Guanajuato, Mexico.
 Ward, Miss Hilda, 1823 Jefferson Place, Washington, D. C.
- *Washington, Henry S., Geophysical Lab., Washington, D. C.
 *Watanabe, Manjiro, Tohoku Imperial University, Sendai, Japan.
 Wedel, Arthur, Box 327, Mt. Pleasant, Texas.
 Weidhass, Ernest, 408 W. 42nd St., New York City.
- *Weidman, Samuel, 512 Lahoma 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., 27 Oberlin Ave., Swarthmore, Pa.
 Whiting, H. C., 602 South Main St., Fairfield, Iowa.
- *Whitlock, Herbert P., American Museum of Natural History, New York City.
 *Wigglesworth, Edward, Boston Society of Natural History, 234 Berkeley St., Boston, Mass. (Life Fellow).
 Wilber, D. T., Rockefeller Hall, Ithaca, New York.
 Willey, L. M., Research Lab., General Electric Co., Schenectady, New York.
 Wilson, E. H., 37 Forest Ave., Caldwell, New Jersey.

- *Winchell, Alexander N., Dept. of Geology, University of Wisconsin, Madison, Wisconsin.
 Withrow, James R., 77 16th Ave., Columbus, Ohio.
 *Wolff, John E., 360 South Grand Ave., Pasadena, California.
 Woods, Arthur E., 432 Central Ave., Orange, New Jersey.
 Woods, Raymond D., Box 1564, University Station, Austin, Texas.
 Woodward, Teynham, Box 5K, Palo Alto, California.
 *Wright, Fred E., Geophysical Laboratory, Washington, D. C.
 Wuestner, Herman, 3335 Cavanaugh Ave., Westwood, Cincinnati, Ohio.
 Zodac, Peter, 157 Wells St., Peekskill, New York.

PROCEEDINGS OF SOCIETIES

NEW YORK MINERALOGICAL CLUB

Minutes of the Meeting of November 18th, 1931

A regular monthly meeting of the New York Mineralogical Club was held at the American Museum of Natural History on the evening of November 18th, 1931, with an attendance of 86. President Allen was in the Chair.

Miss Fannie Moses and Dr. Walter J. Reichert of New York; Miss Ruth Slack and Mr. Bernard Wuensch of Paterson, N. J.; and Mr. Stanley Saxton of Fairlawn, N. J., were elected to membership.

Mr. Morton reported on the Election Day excursion of the Club, to the quarries at W. Paterson and Prospect Park, N. J., which was enjoyed by about sixty people, nineteen different minerals being found. Motion pictures of the excursion were shown.

Professor R. J. Colony of Columbia University addressed the Club on "The Source of the Beach Sands of Long Island and New Jersey." The U. S. War Department investigated the behavior of these sands with reference to inlets, breakwaters and piers. The sampling and testing were described. The working hypothesis was proved correct: That the sands that form the beaches should reflect the character of the rocks from which they were derived. Lists of the minerals and rocks found were given. It was decided that the movement of sand along the New Jersey shore north of Asbury Park is northward; south of Asbury Park, southward; and along the Long Island shore, from east to west. The lecture was illustrated by lantern slides.

Discussion of the subject followed. A rising vote of thanks was tendered Dr. Colony for his very interesting talk.

DANIEL T. O'CONNELL, *Secretary*

Minutes of the Meeting of December 16th, 1931

A regular meeting of the New York Mineralogical Club was held at the American Museum of Natural History on the evening of December 16th, 1931, with an attendance of 82. President Allen was in the Chair.