

CORRESPONDENTS, FELLOWS, MEMBERS AND
SUBSCRIBERS OF THE MINERALOGICAL
SOCIETY OF AMERICA

CORRESPONDENTS

- ESKOLA, PENTTI, Geological Survey of Finland, Helsingfors, Finland.
FERSMAN, A. E., Geological and Mineralogical Museum, Academy of Science, Leningrad,
U.S.S.R.
LACROIX, A., Museum of Natural History, Paris, France.
NIGGLI, PAUL, Technical High School, Zurich, Switzerland.
SLAVIK, FRANTISEK, Charles University, Prague VI, Czechoslovakia.
SPENCER, L. J., 111 Albert Bridge Road, London, S.W. 11, England.
TILLEY, C. E., Cambridge University, Cambridge, England.

FELLOWS AND MEMBERS

(* Indicates Fellow)

- *ADAMS, ELLIOT Q., Lamp Development Laboratory, Nela Park, Cleveland, Ohio.
ADAMS, JOHN W., Empire Zinc Company, Hanover, New Mexico.
*AGAR, WILLIAM M., 32 East 51 Street, New York, New York.
AGRELL, S. O., Department of Geology, University of Manchester, Manchester, 13, Eng-
land.
*AHLFELD, FRIEDRICH, Casilla 873, La Paz, Bolivia.
*ALDRICH, HENRY R., 419 West 117 Street, New York, New York.
ALEXANDER, A. E., 155 East 47 Street, New York, New York.
ALF, RAYMOND M., Webb School, Clarent, California.
ALLEN, C. M., Bay House, Pembroke, Bermuda.
*ALLEN, VICTOR T., St. Louis University, St. Louis, Missouri.
*ALLING, HAROLD L., 31 Barrington Street, Rochester, New York.
ANDERSON, CHRIS S., Route 1, Box 111, Selma, California.
*ANDERSON, CHARLES A., Department of Geology and Mineralogy, University of California,
Berkeley, California.
*ANDERSON, GEORGE H., Texas Power and Light Co., 710 Interurban Building, Dallas,
Texas.
ANDERSON, J. L., Department of Geology, Johns Hopkins University, Baltimore, Mary-
land.
ANDERSON, KEITH, U. S. Geological Survey, Geology Annex, Iowa City, Iowa.
ANDERSON, RICHARD J., Arkansas Geological Survey, Little Rock, Arkansas.
ANDREW, GERALD, Box 244, Khartoum, Anglo-Egyptian Sudan, Africa.
ANDREWS, T. G., University of Alabama, University, Alabama.
ARMSTRONG, ELIZABETH, Department of Geology, Columbia University, New York,
N. Y.
ASHBY, D. F., Department of Geology, The University, Bristol, 8, England.
*ASHCROFT, FREDERICK N., Department of Mineralogy, University Museum, Oxford,
England.
AYRES, VINCENT L., Michigan College of Mines and Technology, Houghton, Michigan.

BAILEY, A. M., Colorado Museum of Natural History, City Park, Denver, Colorado.
BAILEY, EDGAR H., U.S.G.S., Box 122, Healdsburg, California.
BAILEY, E. M., Andover, Maine.

- *BAIN, GEORGE W., 12 Dana Street, Amherst, Massachusetts.
- BALDINELLI, J., Diagonal Norte 567, Buenos Aires, Argentina, South America.
- BALES, C. E., Ironton Firebrick Co., Ironton, Ohio.
- BALKE, CLAIRE C., 2458 Estes Avenue, Chicago, Illinois.
- BALSLEY, J. R., JR., U. S. Geological Survey, Washington, D. C.
- *BANDY, M. C., Patino Mines and Enterprises, Siglo XX, Llallagua, Bolivia, South America.
- BANK, A. C., Holden, Washington.
- *BANNERMAN, HAROLD M., Dartmouth College, Hanover, New Hampshire.
- *BANNISTER, F. A., 34 Monahan Avenue, Purley, Surrey, England.
- BARCANTE, ITAGIBA, Director do Servico de Informacoes Agricolas do Ministerio da Agricultura, Rio de Janeiro, Brazil, South America.
- BARCLAY, GEORGE C., P.O. Box 314, Newport News, Virginia.
- BARLETT, HELEN BLAIR, A-C Spark Plug Company, Flint, Michigan.
- BARRETT, RICHARD L., 1502 East 118 Street, Cleveland, Ohio.
- *BARTH, TOM F. W., Mineralogisk Institut, Blindern, Oslo, Norway.
- *BASCOM, FLORENCE, Williamstown, Massachusetts.
- *BASTIN, EDSON S., University of Chicago, Chicago, Illinois.
- *BATEMAN, ALAN M., Yale University, New Haven, Connecticut.
- BATES, THOMAS F., Department of Geology, Pennsylvania State College, State College, Pennsylvania.
- *BAUER, LAWSON H., New Jersey Zinc Company, Franklin, New Jersey.
- BEAL, I. A., Route 1, Box 615, Campbell, California.
- BEARD, E. H., The Imperial Institute, London, S.W. 7, England.
- *BEHRE, CHARLES H., Columbia University, New York, New York.
- BELL, GORDON L., 485 Elwood Avenue, Oakland, California.
- BELL, JAMES FORBES, Misc. Minerals, WPB, Temporary "R" Building, Washington, D. C.
- BENNER, R. C., Research Laboratory, Carborundum Company, Niagara Falls, New York.
- BERG, GEORGE N., MM1c, USN, USS Russell, c/o Fleet PO, San Francisco, California.
- BERKELHAMER, LOUIS H., Southern Experiment Station, U. S. Bureau of Mines, Tuscaloosa, Alabama.
- *BERMAN, HARRY, 12 Geological Museum, Harvard University, Cambridge, Massachusetts.
- BERNHEIMER, ALAN W., Department of Bacteriology, New York University College of Medicine, 477 First Avenue, New York, New York.
- *BERRY, LEONARD G., 89 Dewson Street, Toronto, Canada.
- BETZ, FREDERICK, JR., U. S. Bureau of Mines, Washington, D. C.
- *BILLINGS, MARLAND P., Harvard University, Cambridge, Massachusetts.
- BINGHAM, E. BURRIS, 936½ West 76 Street, Los Angeles, California.
- BIREN, MRS. HELEN A., Brooklyn College, Brooklyn, New York.
- BJAREBY, GUNNAR, 147 Worthington Street, Boston, Massachusetts.
- BLANK, HORACE R., Soil Conservation Service, Box 26, Waco, Texas.
- BOGUE, RICHARD G., 404 Rutherford Avenue, Franklin, New Jersey.
- BOKOVOY, SAMUEL, 75 Elmwood Road, Verona, New Jersey.
- *BOWEN, NORMAN L., University of Chicago, Chicago, Illinois.
- *BOWLES, OLIVER, U. S. Bureau of Mines, Washington, D. C.
- BOZBAG, HAMD, General Delivery, Climax, Colorado.
- BRADLEY, W. F., Illinois State Geological Survey, Urbana, Illinois.
- BRAISLIN, DANA D., JR., 2615 Las Lunas, Pasadena, California.
- *BRAMLETTE, MILTON N., Department of Geology, University of California at Los Angeles, California.

- BRANT, ARTHUR M., Lord Hall, Ohio State University, Columbus, Ohio.
 BRAY, JOSEPH M., Lt., Garden City Hotel, Garden City, Long Island, New York.
 BRINEMAN, JOHN H., Escuela de Geologia, Caracas, Venezuela.
 BRIXEY, A. D., JR., Hales Bar Dam, Guild, Tennessee.
 BROWN, GROVE E., 4915 Agnes Avenue, North Hollywood, California.
 BROWN, W. R., Virginia Geological Survey, Charlottesville, Virginia.
 *BRUCE, E. L., Queen's University, Kingston, Ontario, Canada.
 BRYANT, W. M. D., R.F.D. 3, Silverside Road, Wilmington, Delaware.
 BUCKELEW, HAROLD C., 1048 Broad Street, Newark, New Jersey.
 *BUDDINGTON, ARTHUR F., Princeton University, Princeton, New Jersey.
 *BUERGER, MARTIN J., Massachusetts Institute of Technology, Cambridge, Massachusetts.
 *BUERGER, NEWTON W., Department of Metallurgy, U. S. Naval Academy, Annapolis, Maryland.
 BUIE, BENNETT FRANK, Box 951, Warrenton, Virginia.
 *BULLARD, FRED M., 903 West 30 Street, Austin, Texas.
 BUNTON, PAUL B., 5 Plaza Way, S. W., Atlanta, Georgia.
 BURANEK, ALFRED M., 1166 East 6th Street, South, Salt Lake City, Utah.
 *BURBANK, WILBUR S., U. S. Geological Survey, Washington, D. C.
 BURFOOT, JAMES D., JR., Cornell University, Ithaca, New York.
 *BUTLER, G. MONTAGUE, University of Arizona, Tucson, Arizona.
 BUTLER, JOHN W., JR., Apartado Aereo 3577, Bogota, Colombia, South America.
 *BUTLER, ROBERT D., 215 George Mason Road, Falls Church, Virginia.
- CALLAHAN, WILLIAM H., Franklin, New Jersey.
 CALVER, JAMES L., TVA, 601 Arnstein Building, Knoxville, Tennessee.
 CAMERON, EUGENE N., Columbia University, New York, New York.
 *CAMPBELL, CHARLES D., Harvey Road, RR 1, Pullman, Washington.
 *CAMPBELL, IAN, California Institute of Technology, Pasadena, California.
 CANNON, RALPH S., JR., U. S. Geological Survey, Washington, D. C.
 CAPLAN, ALLAN, Room 906, 562 Fifth Avenue, New York, New York.
 CAPPS, MRS. EDNA WARD, 1823 Jefferson Place, N.W., Washington, D. C.
 CARL, HOWARD F., 1844 Ontario Place, N.W., Washington, D. C.
 CHAPMAN, CARLETON A., Department of Geology, University of Illinois, Urbana, Illinois.
 CHAPMAN, ERNEST W., 1934 Mill Road, South Pasadena, California.
 *CHAPMAN, RANDOLPH, Department of Geology, Johns Hopkins University, Baltimore, Maryland.
 CHAYES, FELIX, 4104 Queensbury Road, Hyattsville, Maryland.
 CHESLEY, FRANK G., Massachusetts Institute of Technology, Cambridge, Massachusetts.
 CHESTERMAN, CHARLES W., 1311 Beale Avenue, Bakersfield, California.
 CHRISTENSEN, TOM, Box 1676, Fairbanks, Alaska.
 CHUTE, NEWTON E., General Delivery, Globe, Arizona.
 CISTAR, LOUIS A., 129 Avenue B, Rochester, New York.
 CLAFFY, MRS. ESTHER M., Room G-241-C, U. S. Geological Survey, Washington, D.C.
 COATS, ROBERT, Alaskan Branch, U. S. Geological Survey, Washington, D.C.
 *COLBURN, BURNHAM S., Greystone Court, Biltmore, North Carolina.
 *COLBURN, WILLIAM B., 333 Washington Road, Grosse Pointe, Michigan.
 *CONNOLLY, JOSEPH P., 1804 West Boulevard, Rapid City, South Dakota.
 COOK, KATHRYN H., 493 South Firestone Boulevard, Akron, Ohio.
 *COOKE, S. R. B., Montana School of Mines, Butte, Montana.
 COOLEY, MARY E., 793 South Forest Avenue, Ann Arbor, Michigan.

- COOPER, JOHN R., U. S. Geological Survey, 707 Peyton Building, Spokane, Washington.
- *CORBETT, CLIFTON S., 57 Sunnywood Drive, Westfield, New Jersey.
- CORBIN, L. P. JR., 210 Tyler Street, Sandusky, Ohio.
- COURTRIGHT, HUGH C., 4940 East End Avenue, Chicago, Illinois.
- CRAMER, JOE L., 140 North Kansas, Wichita, Kansas.
- CRAWFORD, ARTHUR L., 1067 East Fifth Street South, Salt Lake City, Utah.
- *CRAWFORD, R. D., 1050 Tenth Street, Boulder, Colorado.
- CRESS, SAMUEL H., 1648 Park Road, N.W., Washington, D. C.
- CRICKMAY, GEOFFREY W., Box 549, Athens, Georgia.
- CRIPPEN, RICHARD A., Idria, San Benito County, California.
- CRUNDEN, A. B., 54 Edgemont Road, Montclair, New Jersey.
- CUMMINS, A. B., 602 East Front Street, Plainfield, New Jersey.
- *CURRIER, LOUIS W., U. S. Geological Survey, Washington, D.C.
- CUTHBERT, F. LEICESTER, Natural Resources Building, University of Illinois, Urbana, Illinois.
- DAKE, H. C., 703 Couch Building, Portland, Oregon.
- DALEY, A. COWLES, 1191 North Los Robles, Pasadena, California.
- DARNEAL, ROBERT L., Box 151, Cloverdale, California.
- DAVIDSON, STANLEY C., 152 Wembley Drive, Sudbury, Ontario, Canada.
- DAVIS, DONALD W., Scarsdale Manor Apts., R-North, Scarsdale, New York.
- DAVIS, HARRY T., North Carolina State Museum, Raleigh, North Carolina.
- DENNING, REYNOLDS M., 843 Thurston Road, Rochester, New York.
- DENNIS, WILLIAM ENGS, JR., Box 373, Newport, Rhode Island.
- DENNEY, M. V., Mineralogical Laboratory, University of Michigan, Ann Arbor, Michigan.
- DERR, HERMAN, 329 N.W. 13 Street, Oklahoma City, Oklahoma.
- DIETZ, ROBERT S., Army Air Force Navigation School, Hondo, Texas.
- DODGE, THEODORE A., Cananea Consolidated Copper Company, Cananea, Sonora, Mexico.
- *DONNAY, JOSEPH D. H., Hercules Powder Company, Wilmington, Delaware.
- DOTEN, ROBERT K., Basin Farm, Brandon, Vermont.
- DOUGLAS, GORDON S., 2201 Georgina Avenue, Santa Monica, California.
- DRAISIN, WILBURT M., Majestic Radio & Television Company, 2600 West 50 Street, Chicago, Illinois.
- DRAKE, HARRY Y., 44 Laurel Avenue, East Orange, New Jersey.
- *ECKEL, EDWIN B., U. S. Geological Survey, Washington, D.C.
- EDMUNDSON, R. S., Virginia Geological Survey, Box 1428, University Station, Charlottesville, Virginia.
- EGGLESTON, JULIUS W., Cuttingsville, Vermont.
- EHRMANN, MARTIN L., CAPT., 3900 Greystone Avenue, Riverdale, New York.
- *ELLSWORTH, H. V., Canada Geological Survey, Ottawa, Canada.
- ELWELL, WILBUR J., 2 Duck Street, Danbury, Connecticut.
- EMERY, ALDEN H., 1155 16th Street, N.W., Washington, D.C.
- *EMMONS, RICHARD C., University of Wisconsin, Madison, Wisconsin.
- *ENGLISH, GEORGE L., 50 Brighton Street, Rochester, New York.
- EVANOFF, PHILIP, 2537 North Natrona Street, Philadelphia, Pennsylvania.
- EVANS, MRS. DAVID L., 137 Plant Avenue, Webster Groves, Missouri.
- EVANS, HOWARD T., JR., 850 Massachusetts Avenue, Apt. 10, Cambridge, Massachusetts.
- EVERS, JOHN R., 19 South Broadway, Tarrytown, New York.

- FAESSLER, CARL, Bibliotheque "D," Faculte des Sciences, Boulevard de l'Entente, Quebec, Canada.
- *FAHEY, JOSEPH J., U. S. Geological Survey, Washington, D.C.
- *FAIRBAIRN, HAROLD W., Massachusetts Institute of Technology, Cambridge, Massachusetts.
- *FAIRCHILD, JOHN G., U. S. Geological Survey, Washington, D.C.
- *FAUST, GEORGE T., 1803 Capitol View Avenue, Silver Springs, Maryland.
- *FENNER, CLARENCE N., 64 Broad Street, Clifton, New Jersey.
- FERGUSON, R. B., Department of Mineralogy, University of Toronto, Toronto, Canada.
- *FETTKE, CHARLES R., 1118 Wightman Street, Squirrel Hill Station, Pittsburgh, Pennsylvania.
- *FISHER, D. JEROME, University of Chicago, Chicago, Illinois.
- *FISHER, LLOYD W., Bates College, Lewiston, Maine.
- FISK, HENRY G., 2261 West 120 Street, Blue Island, Illinois.
- FLACK, WYLLIE H., 609 Maple Avenue, LaPorte, Indiana.
- FLAGG, A. L., Box 2345, Phoenix, Arizona.
- FLEENER, F. L., Joliet Junior College, Joliet, Illinois.
- FLEISCHER, ARTHUR, 1021 East South Temple Street, Salt Lake City, Utah.
- *FLEISCHER, MICHAEL, U. S. Geological Survey, Washington, D.C.
- FOLINSBEE, ROBERT E., Geological Survey of Canada, Ottawa, Canada.
- FOOTE, FREEMAN, Williams College, Williamstown, Massachusetts.
- *FORD, HUGH ALEXANDER, British Consul General, 57 Larchwood Drive, Cambridge, Massachusetts.
- *FOSHAG, WILLIAM F., U. S. National Museum, Washington, D.C.
- FOSTER, GIRAUD V., 1088 Park Avenue, New York, New York.
- FOSTER, MARGARET D., U. S. Geological Survey, Washington, D.C.
- FOSTER, PHILIP C., R.D. 1, South Berwick, Maine.
- FOSTER, WILDER D., 4800 Forbes Street, Pittsburgh, Pennsylvania.
- FOSTER, WILFRID R., Champion Spark Plug Company, 8525 Butler Avenue, Detroit, Michigan.
- FOX, PORTLAND P., Box 31, Charleston, Tennessee.
- FRANCKE, A., 6 Bubenberglplatz, Bern, Switzerland.
- *FRASER, DONALD M., Bethlehem Steel Company, Bethlehem, Pennsylvania.
- *FRASER, HORACE J., California Institute of Technology, Pasadena, California.
- FRASER, R. J., JR., 3020 Andrita Street, Los Angeles, California.
- FREEZE, ARTHUR C., Kimberley, British Columbia, Canada.
- FRETZ, A. HENRY, 42 West Market Street, Bethlehem, Pennsylvania.
- FRIES, CARL, JR., U. S. Geological Survey, Washington, D. C.
- *FRONDEL, CLIFFORD, 22 8 Street, N.E., Washington, D.C.
- FRUEH, ALFRED J., JR., 34 Perry Street, New York, New York.
- *FULLER, RICHARD E., 1642 Federal Avenue, Seattle, Washington.
- FUNK, B. GORDON, 2667½ Waverly Drive, Los Angeles, California.
- GABRIEL, ALTON, U. S. Bureau of Mines, College Park, Maryland.
- *GAGE, R. B., Box 199, Trenton, New Jersey.
- GALBRAITH, F. W., University of Arizona, Tucson, Arizona.
- GALLAGHER, David, 349 Clark Road, Brookline, Massachusetts.
- GALLONI, E., Granaderos 155, Buenos Aires, Argentina, South America.
- GATES, ELLIS H., Cerro de Pasco Corp., La Oroya, Peru.
- GATES, GEORGE O., Alaskan Branch, U. S. Geological Survey, Washington, D. C.

- GATES, ROBERT M., 410 South Orchard Street, Madison, Wisconsin.
- GAULT, H. RICHARD, Alaskan Branch, U. S. Geological Survey, Washington, D.C.
- GEORGE, D'ARCY R., 117 Haws Avenue, Norristown, Pennsylvania.
- GERSON, FRED, 5421 Cornell Street, Hyde Park Station, Chicago, Illinois.
- *GIANELLA, VINCENT P., Mackay School of Mines, Reno, Nevada.
- GIBSON, J. C., Bissett, Manitoba, Canada.
- GILLESPIE, T. B., Palatka, Florida.
- GILLINGHAM, THOMAS E., 308 West Wilson Street, Madison, Wisconsin.
- *GILLSON, JOSEPH L., 8063 Du Pont Building, Wilmington, Delaware.
- *GILLULY, JAMES, University of California at Los Angeles, California.
- *GLASS, JEWELL J., U. S. Geological Survey, Washington, D.C.
- GODDARD, E. N., U. S. Geological Survey, Washington, D.C.
- GOETTMAN, FRANKLIN P., 1121 Queen Street, Pottstown, Pennsylvania.
- *GOLDICH, SAMUEL S., Agricultural and Mechanical College of Texas, College Station, Texas.
- GOLDRING, EWART D., c/o Vanadium Corporation of America, Naturita, Colorado.
- GOMEZ, E., Diagonal Norte 567, Buenos Aires, Argentina, South America.
- GOODMAN, CLARK, 77 Massachusetts Avenue, Cambridge, Massachusetts.
- *GOODSPEED, GEORGE E., University of Washington, Seattle, Washington.
- *GORDON, SAMUEL G., Philadelphia Academy of Natural Sciences, Logan Circle, Philadelphia, Pennsylvania.
- GOUDEY, HATFIELD, Box 401, Yerington, Nevada.
- GOULETTE, C. HENRY, Lt., Company G, 56th A. I. R., Camp Campbell, Kentucky.
- GRABER, B. P., 115 Coolidge Avenue, Barrington, Illinois.
- *GRAHAM, R. P. D., McGill University, Montreal, Canada.
- GRAHL, HARRY, 885 Cauldwell Avenue, Bronx, New York.
- *GRATON, LOUIS C., Harvard University, Cambridge, Massachusetts.
- GRAVES, HOWARD B., JR., 1454 Jackson Avenue, Apt. 2, Memphis, Tennessee.
- GRAWE, OLIVER R., Missouri School of Mines, Rolla, Missouri.
- GRAY, HERBERT, 400 Irving Avenue, Brooklyn, New York.
- GRIEGER, J. M., 405 Ninita Parkway, Pasadena, California.
- *GRIM, RALPH E., Illinois Geological Survey, Urbana, Illinois.
- *GROUT, FRANK F., University of Minnesota, Minneapolis, Minnesota.
- *GRUNER, JOHN W., University of Minnesota, Minneapolis, Minnesota.
- GULOVSON, MRS. C. M., Brothers, Oregon.
- GUMMER, WILFRID K., 815 Fifth Street, Arvida, Quebec, Canada.
- *GYSIN, M. E., Laboratoire de Mineralogie de l'Universite, Quai de l'Ecole-de-Medecin, Geneva, Switzerland.
- HAFF, JOHN C., Colorado School of Mines, Golden, Colorado.
- HAGNER, ARTHUR F., University of Wyoming, Laramie, Wyoming.
- HALBOUTY, M. T., No. 5 West Lane, Houston, Texas.
- HALL, F. P., R.F.D. 2, Syracuse, New York.
- HANLEY, JOHN B., U. S. Geological Survey, Box 147, Golden, Colorado.
- *HARCOURT, GEORGE A., Copper Cliff, Ontario, Canada.
- HATCH, ROBERT A., Corning Glass Works, Corning, New York.
- HAUZE, GEORGE E., P.O. Box 326, Fairlawn, New Jersey.
- *HAWKINS, A. C., 208 West Boscawen Street, Winchester, Virginia.
- *HAWLEY, James E., Queen's University, Kingston, Ontario, Canada.
- HAYES, JUNIUS J., 1148 East First Street South, Salt Lake City, Utah.

- HEINEMAN, ROBERT E. S., 20 Calle Conquista, Tucson, Arizona.
- *HENDERSON, EDWARD P., U. S. National Museum, Washington, D.C.
- *HENDRICKS, STERLING B., 3045 Albemarle Street, N.W., Washington, D. C.
- *HESS, FRANK L., 1221 Newton Street, N.E., Washington, D.C.
- *HESS, HARRY H., Princeton University, Princeton, New Jersey.
- *HEWETT, D. F., U. S. Geological Survey, Washington, D.C.
- HEWITT, D. F., 95 Balsam Avenue, South, Hamilton, Ontario, Canada.
- HEYL, ALLEN V., JR., R.F.D. 2, Allentown, Pennsylvania.
- HEYL, GEORGE R., Box 324, Jackson, California.
- HICKOK, WILLIAM O., IV, R.F.D. 1, Linglestown, Pennsylvania.
- HILL, H. STANTON, Pasadena Junior College, Pasadena, California.
- HILLS, RALPH F., 35 Manchester Street, Hartford, Connecticut.
- HILLS, THOMAS M., Vassar College, Poughkeepsie, New York.
- HINCKLEY, ARTHUR T., 937 Harrison Avenue, Niagara Falls, New York.
- *HODGE, EDWIN T., 2915 Luray Terrace, N.W., Portland, Oregon.
- *HOLDEN, GUERDON S., Plain Dealer Building, Cleveland, Ohio.
- *HOLMES, ARTHUR, Science Laboratory, South Road, Durham, England.
- HOLMES, RALPH J., Columbia University, New York, New York.
- HOOKER, MARJORIE, 32-14 146 Street, Flushing, New York.
- HOSE, HEATH ROYDON, Aluminium Laboratories, 1800 Sun Life Building, Montreal, Quebec, Canada.
- HOWLAND, ARTHUR L., Northwestern University, Evanston, Illinois.
- HUGILL, WILLIAM, Langham House, Fields Road, Alsager, Cheshire, England.
- *HUNT, WALTER F., University of Michigan, Ann Arbor, Michigan.
- *HURLBUT, C. S., JR., Harvard University, Cambridge, Massachusetts.
- HUSTED, JOHN E., 1448 Girard St., N.W., Washington, D. C.
- HUTTON, C. OSBORNE, 156, The Terrace, Wellington, New Zealand.
- *INGERSON, EARL, Geophysical Laboratory, Washington, D.C.
- *INSLEY, HERBERT, Bureau of Standards, Washington, D.C.
- IRWIN, WILLIAM H., 215 East 19 Avenue, Denver, Colorado.
- JACOBS, ELBRIDGE C., University of Vermont, Burlington, Vermont.
- JACOBS, LOUIS J., 6153 North Legett Avenue, Chicago, Illinois.
- JAE, JAMES F., 5510 Waterman Boulevard, St. Louis, Missouri.
- JARRELL, O. W., 3960 Pennsylvania Avenue, S.E., Washington, D.C.
- JEFFRIES, CHARLES D., Department of Agronomy, Agricultural Building, State College, Pennsylvania.
- JENSEN, DAVID E., 90 Middlesex Road, Rochester, New York.
- JENSEN, NAN C., 1505 North Scott Street, Arlington, Virginia.
- JILES, CARLOS PIZARRO, Braden Copper Company, Sewell (Rancagua), Chile.
- *JOHANNSEN, ALBERT, University of Chicago, Chicago, Illinois.
- JOHANSSON, FREDERICK V., 96 Boutelle St., Leominster, Massachusetts.
- JOHNSON, J. HARLAN, Box 343, Golden, Colorado.
- JOHNSON, W. M., Route 4, Knoxville, Tennessee.
- *JOHNSTON, R. A. A., 112 Old Forest Hill Road, Toronto 10, Canada.
- *JOHNSTON, WILLIAM D., JR., U. S. Geological Survey, Washington, D.C.
- *JOLLIFFE, ALFRED W., Canada Geological Survey, Ottawa, Canada.
- *JONES, GARDNER H., 8 Hill Street, Lakeport, New Hampshire.
- JONES, KENT, 2406 Connor Avenue, Joplin, Missouri.

JONES, R. E., New Wilmington, Pennsylvania.

JUDD, E. F., 14 Bruce Road, Upper Montclair, New Jersey.

KARLSSON, ALBERT, 3042 Grand Concourse, New York, New York.

KASSNER, MYER J., 628 Main Street, Laconia, New Hampshire.

KAUFFMAN, A. J., JR., 4205 Russell Avenue, Mt. Rainier, Maryland.

KELLER, W. D., 208 Swallow Hall, Columbia, Missouri.

KENNEDY, GEORGE C., U. S. Geological Survey, Washington, D. C.

KEPPEL, DAVID, Montrose, New York.

*KERR, PAUL F., Columbia University, New York, New York.

KERR-LAWSON, MRS. FERGA C., Box 5, Swastika, Ontario, Canada.

KESSLER, CHARLES N., No. 3 Berg Apts., Helena, Montana.

KILMER, CHARLES, 1338 Park Avenue, River Forest, Illinois.

KIPNIS, JOSEPH S., 15 West 46 Street, New York, New York.

*KLEIN, A. A., Norton Company, Worcester, Massachusetts.

KNABE, WILLIAM C., 3853 North Gratz Street, Philadelphia, Pennsylvania.

*KNOFF, ADOLPH, Yale University, New Haven, Connecticut.

*KOSCHMANN, A. H., U. S. Geological Survey, Washington, D.C.

*KRAUS, EDWARD H., University of Michigan, Ann Arbor, Michigan.

*KRISHNAN, M. S., 27 Chowringhee, Calcutta, India.

KUENSTLER, WALTER E., 410 Lafayette Avenue, Grantwood, New Jersey.

KURBATOV, J. D., Ohio State University, Columbus, Ohio.

LAMONT, ALEX J., Nenana, Alaska.

*LANDES, KENNETH K., University of Michigan, Ann Arbor, Michigan.

*LANE, ALFRED C., 22 Arlington Street, Cambridge, Massachusetts.

LANGFORD, LAWRENCE, 949 Krameria Street, Denver, Colorado.

*LARSEN, ESPER S., JR., 59 Orchard Street, Belmont, Massachusetts.

LARSEN, ESPER S., 3rd, 8501 Greenwood Avenue, Takoma Park, Maryland.

LAUSEN, CARL, 1299, Albuquerque, New Mexico.

*LEE, HARLEY C., Basic Magnesium, Inc., Box MM, Boulder City, Nevada.

*LEE, O. IVAN, 2684 Boulevard, Jersey City, New Jersey.

LEE, ORVILLE D., Box 978, Del Rio, Texas.

LEINEWEBER, I. A., 2718 Bainbridge Avenue, Bronx, New York.

LEMCKE, W. L., 609 14 Street, Franklin, Pennsylvania.

LEMKE, RICHARD W., 363 North Glebe Road, Arlington, Virginia.

LEMMON, DWIGHT M., 2180 Bryant Street, Palo Alto, California.

LEVIN, S. BENEDICT, 695 Park Avenue, New York, New York.

LEWIS, FRANK A., 721 East 35 Street, Brooklyn, New York.

LEWIS, W. SCOTT, 2500 North Beachwood Drive, Hollywood, California.

DE LIMA, PLINIO, Rua Vitorino Carmillo 565, Sao Paulo, Brazil.

LOMERSON, WILLIAM W., Shore Road, New Rochelle, New York.

*LONSDALE, JOHN T., Lt. Col., 1910 40 Street, Des Moines, Iowa.

*LOPEZ, VICTOR M., Servicio Tecnico de Geologia, Caracas, Venezuela.

*LOUDERBACK, GEORGE D., University of California, Berkeley, California.

*LOUGHLIN, G. F., U. S. Geological Survey, Washington, D.C.

*LOVERING, T. S., University of Michigan, Ann Arbor, Michigan.

LOWE, KURT E., Lt., 196 Rockaway Parkway, Brooklyn, New York.

LUKESH, JOSEPH S., 374 Norwood Avenue, Long Branch, New Jersey.

- LYON, JENNINGS, Officer Candidate School, Chemical Warfare Service, Edgewood Arsenal, Maryland.
- LYONS, ERWIN J., Wisconsin Institute of Technology, Platteville, Wisconsin.
- MACDONALD, GORDON A., Geological Survey, 333 Federal Building, Honolulu, Hawaii.
- MACKAY, RALPH E., 2923 East Harrison Street, Seattle, Washington.
- MACKENZIE, G. S., Department of Geology, University of New Brunswick, Fredericton, New Brunswick, Canada.
- *MANCHESTER, JAMES G., Hampton Bays, Long Island, New York.
- *MARBLE, JOHN P., 37 East Bradley Lane, Chevy Chase, Maryland.
- MARSHALL, E. M., Bethel, Connecticut.
- *MARTENS, JAMES H. C., 2925 University Avenue, Morgantown, West Virginia.
- MARTIN, E. B., Westbury, Long Island, New York.
- MASON, VINCENT I., 117 Beech Street, Roslindale, Massachusetts.
- *MATHEWS, EDWARD B., Johns Hopkins University, Baltimore, Maryland.
- MATHEWSON, H. D., 1033 Magnolia Avenue, San Bernardino, California.
- MAURICE, CHARLES S., Hanover, New Hampshire.
- MAWBY, M. A., Zinc Corporation, Ltd., Broken Hill, New South Wales, Australia.
- MAYBANK, N. W., Mullard Radio Valve Co. Ltd., New Road, Mitcham Junction, Surrey, England.
- *MAYNARD, JAMES E., Syracuse University, Syracuse, New York.
- *MCCAUGHEY, WILLIAM J., Ohio State University, Columbus, Ohio.
- *MCCONNELL, DUNCAN, Bureau of Reclamation, Customhouse, Denver, Colorado.
- McCULLOUGH, J. L., Independence, California.
- McDONALD, C. V., 827 West 104 Place, Los Angeles, California.
- *McKINSTRY, HUGH E., 1499 Irving St., N.W., Washington, D.C.
- *McLAUGHLIN, DONALD H., University of California, Hearst Mining Building, Berkeley, California.
- McLELLAN, ROY D., American Smelting & Refining Company, Barber, New Jersey.
- McLEOD, EDITH, 413 High Street, Klamath Falls, Oregon.
- *McVAY, THOMAS N., School of Chemistry, University of Alabama, University, Alabama.
- *MEAD, WARREN J., Massachusetts Institute of Technology, Cambridge, Massachusetts.
- *MEEN, V. BEN, University of Toronto, Toronto, Canada.
- MENCHER, ELY, Instituto de Geologia, Avenida San Martin, Caracas, Venezuela.
- MENNINGER, C. F., 3617 West 6th Avenue, Topeka, Kansas.
- *MERRITT, CLIFFORD A., University of Oklahoma, Norman, Oklahoma.
- *MERRITT, PHILLIP L., 11 Lockwood Drive, Old Greenwich, Connecticut.
- *MERTIE, JOHN B., JR., U. S. Geological Survey, Washington, D.C.
- *MERWIN, H. E., Geophysical Laboratory, Washington, D.C.
- MILHORAT, A. T., 525 East 68 Street, New York, New York.
- MILLAR, HUGH H., 3752 Montgomery Avenue, Detroit, Michigan.
- *MILLER, BENJAMIN L., Lehigh University, Bethlehem, Pennsylvania.
- MILLER, FRANKLIN S., 1029 Bryden Road, Columbus, Ohio.
- MILLER, RUDOLPH, Bausch and Lomb Optical Co., 635 Paul Street, Rochester, New York.
- *MILLER, WILLIAM J., University of California at Los Angeles, California.
- MILTON, CHARLES, U. S. Geological Survey, Washington, D.C.
- *MISER, HUGH D., U. S. Geological Survey, Washington, D.C.
- MITCHELL, R. C., 601 Pelham Parkway, N., Bronx, New York.
- MODDLE, D. A., Provincial Assay Office, Department of Mines, Toronto, Canada.
- MONEYMAKER, BERLEN C., 101 Arnstein Building, Knoxville, Tennessee.

- MONTGOMERY, ARTHUR, 1 East 44 Street, New York, New York.
- *MOORE, E. S., University of Toronto, Toronto, Canada.
- MORGAN, LEONARD A., 14 Lincoln Avenue, Dover, New Jersey.
- MORIN, LEO G., Institut de Geologie, Universite de Montreal, 1265 Rue St. Denis, Montreal, Canada.
- *MORRIS, FREDERICK K., Massachusetts Institute of Technology, Cambridge, Massachusetts.
- MORRIS, KENNETH D., Box 221 D2, R.F.D. 5, East Hillsdale Drive, Waukesha, Wisconsin.
- MOYD, LOUIS, Frobisher Exploration Company, Bancroft, Ontario, Canada.
- MURATA, K. J., U. S. Geological Survey, Washington, D.C.
- *MURDOCH, JOSEPH, University of California at Los Angeles, California.
- MURPHY, RICHARD, 244 Bay Street, Toronto, Canada.
- MURRAY, ALBERT N., University of Tulsa, Tulsa, Oklahoma.
- MYERS, V. DALE, 2187 Glen Avenue, Altadena, California.
- *MYERS, WILLIAM M., School of Mineral Industries, Pennsylvania State College, State College, Pennsylvania.
- NAGELSCHMIDT, G., Rothamstead Experiment Station, Harpenden, Herts, England.
- NALLE, PETER B., Bethelhem Pike, Whitemarsh, Pennsylvania.
- NEIMAN, ROBERT, 505 East Chestnut Street, Louisville, Kentucky.
- NELSON, FRANK H., 740 North Plankinton Avenue, Milwaukee, Wisconsin.
- NELSON, GAYLORD, 83 Hodge Street, Buffalo, New York.
- NEWCOMET, WILLIAM S., 3501 Baring Street, Philadelphia, Pennsylvania.
- *NEWHOUSE, WALTER H., Massachusetts Institute of Technology, Cambridge, Massachusetts.
- NICHOLS, HENRY W., Field Museum of Natural History, Chicago, Illinois.
- NICHOLS, JOSEPH B., 2914 D Street, Sacramento, California.
- NICHOLS, MAURICE C., 1431 Park Avenue, Long Beach, California.
- NILES, GLENN H., P.O. Box 4, Ridgewood, New Jersey.
- NISSON, WILLIAM H., 815 D Street, Petaluma, California.
- *NOBLE, JAMES A., Homestake Mining Company, Lead, South Dakota.
- *NOLAN, THOMAS B., U. S. Geological Survey, Washington, D.C.
- NORTHUP, M. ALLEN, 10 Godet Place, Morristown, New Jersey.
- NOWACKI, W., Lorystrasse 12, Bern, Switzerland.
- NUTTING, P. G., U. S. Geological Survey, Washington, D.C.
- O'CONNELL, DANIEL T., College of the City of New York, Convent Avenue & 139 Street, New York, New York.
- OKE, WILLIAM C., 9115 South Harvard Boulevard, Los Angeles, California.
- O'LEARY, W. J., Norton Company, Chippawa, Ontario, Canada.
- OLSON, J. C., U. S. Geological Survey, Washington, D.C.
- OSBORN, E. F., Geophysical Laboratory, Washington, D.C.
- OSBORN, J. P., 714 East Boulder, Colorado Springs, Colorado.
- OTERSEN, LILLIAN M., 16 Grove Place, West Haven, Connecticut.
- OVER, EDWIN J., JR., Box 939, Leadville, Colorado.
- *PABST, ADOLF, University of California, Berkeley, California.
- PAGE, LINCOLN R., U. S. Geological Survey, Washington, D.C.
- *PALACHE, CHARLES, 106 Appleton Street, Cambridge, Massachusetts.
- *PARKER, ROBERT L., Technische Hochschule, Zurich, Switzerland.

- PARRISH, WILLIAM, 6156 First Place, N.E., Washington, D.C.
- *PARSONS, ARTHUR L., University of Toronto, Toronto, Canada.
- PARSONS, WILLARD H., National Bureau of Standards, Washington, D.C.
- PATTEN, PHILIP R., 735 Peralta Avenue, Berkeley, California.
- *PEACOCK, MARTIN A., University of Toronto, Toronto, Canada.
- PEARCE, D. W., Purdue University, Lafayette, Indiana.
- PEARL, RICHARD M., 819 South University, Denver, Colorado.
- PECORA, WILLIAM T., U. S. Geological Survey, Washington, D.C.
- *PEGAU, ARTHUR A., Rugby Road, Charlottesville, Virginia.
- *PEOPLES, JOE WEBB, Wesleyan University, Middletown, Connecticut.
- PERHAM, STANLEY I., West Paris, Maine.
- PERIER, GARFIELD B., 804 Diamond Street, Butte, Montana.
- PERRY, ELWYN L., Williams College, Williamstown, Massachusetts.
- PETERSON, HARRY, 1138 South Chapel Street, Alhambra, California.
- PETERSON, NELS P., U. S. Geological Survey, Box 4536, University Station, Tucson, Arizona.
- *PETTIJOHN, FRANCIS J., University of Chicago, Chicago, Illinois.
- PHAIR, GEORGE, Geophysical Laboratory, Washington, D.C.
- PHELPS, WILLARD B., Department of Geology, DePauw University, Greencastle, Indiana.
- PHEMISTER, T. C., University of Aberdeen, Marischal College, Aberdeen, Scotland.
- PHILBRICK, SHAILER S., 426 Walnut Road (2) Ben Avon, Pittsburgh, Pennsylvania.
- PHILBROOK, MRS. P. M., Box 184, Sacramento, California.
- PIERCE, ALBERT C., 606 West 19 Street, Wilmington, Delaware.
- POHL, JOHN C., JR., 204 North Tenth Street, Easton, Pennsylvania.
- POMERANE, JOEL B., Lt., Air Corps, SPAFS, Lubbock, Texas.
- POPE, G. N., 1820 Bay Street, Alameda, California.
- POSTEL, WILLIAM, University of Pennsylvania, Philadelphia, Pennsylvania.
- *POUGH, FREDERICK H., American Museum of Natural History, New York, New York.
- PRINCE, ALAN T., 102 Earnscliffe Avenue, Ottawa, Canada.
- *QUINN, ALONZO W., Brown University, Providence, Rhode Island.
- *QUIRKE, T. T., University of Illinois, Urbana, Illinois.
- RABBITT, JOHN C., 14 Elm Street, Wellesley Hills.
- *RAMSDELI, LEWIS S., University of Michigan, Ann Arbor, Michigan.
- RAYNER, MRS. W. P., 1100 East Magnolia Avenue, El Monte, California.
- REAMER, LOUIS, 336 Elizabeth Street, Orange, New Jersey.
- REEVES, AUGUSTUS, 628 Dooly Block, Salt Lake City, Utah.
- *REINHARD, MAX, Mineralogical Institute, University of Basel, Switzerland.
- REYES, JORGE MUNOZ, Apartado 267, La Paz, Bolivia.
- *RICHMOND, WALLACE E., JR., 2333 South Nash Street, Arlington, Virginia.
- RIDDLE, FRANK H., Champion Spark Plug Company, 8525 Butler Avenue, Detroit, Michigan.
- RIDGE, JOHN D., Lt., C. E. Staff, Engineer School, Fort Belvoir, Virginia.
- *RIES, H., 401 Thurston Avenue, Ithaca, New York.
- RINN, HAROLD W., 2917 Braley Court, Midland, Michigan.
- RITCHIE, EVERETT J., 112 North Byers, Joplin, Missouri.
- ROBERTSON, FORBES, Reynolds Mining Corporation, Boyle Building, Little Rock, Arkansas.
- RODEKOH, W. J., 304 Westminster Avenue, Alhambra, California.

- RODGERS, W. T., 1230 Parkway Avenue, Salt Lake City, Utah.
 ROEDDER, EDWIN, 2630 Yorkway, Dundalk, Maryland.
 *ROGERS, AUSTIN F., Stanford University, California.
 ROLLINS, ROSS, 79 Cypress Street, Brookline, Massachusetts.
 ROSENHOLTZ, JOSEPH L., Rensselaer Polytechnic Institute, Troy, New York.
 ROSENKRANS, R. R., 3 North Meridian Street, Red Key, Indiana.
 *ROSS, CLARENCE S., U. S. Geological Survey, Washington, D.C.
 ROWE, GRANT, 315 South Jefferson Street, Saginaw, Michigan.
 ROWLAND, RICHARDS A., Illinois Geological Survey, Urbana, Illinois.
 RUNNER, DELMAR G., 4606 47 Street, N.W., Washington, D.C.
 *RUNNER, JOSEPH J., Houghton, Michigan.
 *RUTHERFORD, RALPH L., University of Alberta, Edmonton, Alberta, Canada.
 RUTHRUFF, ROBERT F., 1711 West 100 Street, Chicago, Illinois.
 RYNEARSON, GARN A., 14412 Kittridge Street, Van Nuys, California.
- SACHS, WALTER P., 254 Bloomfield Avenue, Caldwell, New Jersey.
 SAFFORD, ARTHUR T., JR., 333 Homestead Avenue, Hartford, Connecticut.
 SALETEL, LOUIS, University of Dayton, Dayton, Ohio.
 *SAMPSON, EDWARD, Princeton University, Princeton, New Jersey.
 SAMPTER, E. L., 25 West 46 Street, New York, New York.
 SANDBERG, A. E., Box 413, Cocoli, Canal Zone.
 SANTELL, S. J., General Delivery, Orrick, Missouri.
 SAVAGE, HENRY G., Granite Street, Leominster, Massachusetts.
 *SCHAIRER, JOHN F., Geophysical Laboratory, Washington, D.C.
 *SCHALLER, WALDEMAR T., U. S. Geological Survey, Washington, D.C.
 SCHLECHT, WILLIAM G., U. S. Geological Survey, Washington, D.C.
 SCHLOCKER, J., Box 554, Boulder City, Nevada.
 *SCHMITT, HARRISON A., Box 572, Silver City, New Mexico.
 *SCHNEIDER, HYRUM, University of Utah, Salt Lake City, Utah.
 SCHOENLAUB, R. A., 147 North Washington Street, Tiffin, Ohio.
 *SCHRADER, FRANK C., 20 Old Chester Road, Bethesda, Maryland.
 SCHROETER, JOACHIM, Mineralogical Institute, Federal Polytechnical School, Zurich, Switzerland.
- SCHWARTZ, B., 1884 Monroe Avenue, Bronx, New York.
 *SCHWARTZ, GEORGE M., University of Minnesota, Minneapolis, Minnesota.
 SEGAL, ALLAN, 303 West 2 Street, New York, New York.
 SETZ, C. F., 7720 Club Drive, St. Louis, Missouri.
 SHACKELFORD, G. E., 4340 Fairfax Avenue, Dallas, Texas.
 *SHAND, S. JAMES, Columbia University, New York, New York.
 *SHAUB, BENJAMIN M., 159 Elm Street, Northampton, Massachusetts.
 SHERMAN, WALTER C., 27 Doro Place, Rumford, Rhode Island.
 SHIPTON, W. D., Washington University, St. Louis, Missouri.
 *SHORT, MAX N., University of Arizona, Tucson, Arizona.
 SHORTLE, WALTER, 505 Main Street, Laconia, New Hampshire.
 SIDWELL, RAYMOND, Dept. of Geology, Texas Technological College, Lubbock, Texas.
 SILBERSTEN, M. L., 516 Sul Ross Avenue, Houston, Texas.
 SIMONS, FRANK S., 467 Landfair Street, West Los Angeles, California.
 *SINGEWALD, QUENTIN D., University of Rochester, Rochester, New York.
 SKEA, E. M., Box 46, Pilgrims Rest, Transvaal, South Africa.
 *SLAWSON, CHESTER B., University of Michigan, Ann Arbor, Michigan.

- SMALLING, ELMER, JR., 7029 Lincoln Drive, Philadelphia, Pennsylvania.
 SMITH, D. T., Rensselaer Polytechnic Institute, Troy, New York.
 SMITH, HAROLD M., Cumberland Hill Road, Manville, Rhode Island.
 SMITH, KNOWLES B., University of Notre Dame, Notre Dame, Indiana.
 SMITH, MRS. N. C., 2522 W Street, Sacramento, California.
 SMITH, PETER A., Box 183, Highland Mills, New York.
 SMITH, ROBERT L., Fair Oaks, California.
 SMITH, WALDEN A., Ilwaco, Washington.
 SMITH, WARD, U. S. Geological Survey, Washington, D.C.
 *SNELGROVE, ALFRED K., Michigan College of Mines and Technology, Houghton, Michigan.
 SNIFFEN, E. W., 3111 Chesapeake Ave., Hampton, Virginia.
 SNOW, ROLAND B., Research Laboratory, U. S. Steel Corporation, Kearny, New Jersey.
 SOHLBERG, RUDOLPH G., 225 Bush Street, San Francisco, California.
 *SPENCE, HUGH S., Canada Department of Mines, Ottawa, Canada.
 SPERRY, ARTHUR B., Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.
 SPIROFF, KIRIL, Houghton, Michigan.
 SPROAT, IRA E., Gorham Avenue, Westport, Connecticut.
 STADNICHENKO, TAISIA, U. S. Geological Survey, Washington, D.C.
 *STANTON, GILMAN S., 245 West 104 Street, New York, New York.
 *STAPLES, LLOYD W., University of Oregon, Eugene, Oregon.
 STARBIRD, LEONARD H., 48 Clinton Street, Portland, Maine.
 *STARK, JOHN T., Northwestern University, Evanston, Illinois.
 STEAD, FRANK, 66 East 83 Street, New York, New York.
 *STEIGER, GEORGE, U. S. Geological Survey, Washington, D.C.
 *STEVENS, ROLLIN E., U. S. Geological Survey, Washington, D.C.
 *STEVENSON, JOHN S., Department of Mines, Parliament Buildings, Victoria, British Columbia, Canada.
 STEVENSON, MRS. JOHN S., 1340 Richardson Street, Victoria, British Columbia, Canada.
 *STEWART, DUNCAN, Lehigh University, Bethlehem, Pennsylvania.
 STEWART, SCOTT B., 12 Glenwood Street, Augusta, Maine.
 STIPP, RICHARD A., 7611 Eastern Avenue, Takoma Park, Maryland.
 STOBBE, HELEN, Baldwin House, Northampton, Massachusetts.
 STOIBER, RICHARD E., 3111 20 Street, North, Arlington, Virginia.
 STOLL, WALTER C., 4404 52 Street, N.E., Seattle, Washington.
 *STOW, MARCELLUS H., 4851 21 Road, North, Arlington, Virginia.
 STRINGHAM, BRONSON, University of Utah, Salt Lake City, Utah.
 *STUCKEY, J. L., 1911 Sunset Drive, Raleigh, North Carolina.
 SUDA, JOHN S., Box 1104, Warren, Ohio.
 SWARTZLOW, CARL, Lassen Volcanic National Park, Mineral via Red Bluff, California.
 SWAYNE, W. H., Department of Geology, Anaconda Copper Company, Butte, Montana.
 SWEARENGEN, J. C., Hazel-Atlas Glass Company, Zanesville, Ohio.
 SWITZER, GEORGE, Department of Geology, Yale University, New Haven, Connecticut.
 *TABER, STEPHEN, University of South Carolina, Columbia, South Carolina.
 TATGE, ELEANOR, 5811 14 Street, N.W., Washington, D.C.
 TAYLOR, EDWARD D., Captain, R.C.E., Ken House, Caulfield, British Columbia, Canada.
 TAYLOR, RALPH E., Box 190, Grants Pass, Oregon.

- TEIXEIRA, ORLANDO G., 18 Rua Rio San Francisco, Monte Serrat, Bahia, Brazil.
TERRILL, ARTHUR C., Box 1150, Las Vegas, Nevada.
THATCHER, RUSSELL N., 33 Washington Square West, New York, New York.
THIBAUT, NEWMAN W., Norton Company, Worcester, Massachusetts.
THOMAS, W. HERSEY, 145 East Gorgas Lane, Mt. Airy, Philadelphia, Pennsylvania.
THOMPSON, CLYDE L., Harbison Walker Refractories Co., Hays, Pittsburgh, Pennsylvania.
THOMPSON, M. R., Bureau of Mines, Norris, Tennessee.
*THOMSON, ELLIS, University of Toronto, Toronto, Canada.
THUNE, HOWARD W., 302 East 7 Avenue, Tampa, Florida.
*TOLMAN, CARL, Washington University, St. Louis, Missouri.
TOMLINSON, W. HAROLD, 260 North Rolling Road, Springfield, Pennsylvania.
TOOTHAKER, CHARLES R., Commercial Museum, 34 Street and Spruce, Philadelphia, Pennsylvania.
TRAINER, DAVID W., JR., 48 Payne Street, Hamilton, New York.
TRAINER, J. N., 233 East 62 Street, New York, New York.
TREMBLAY, ABBÉ J. A., Seminaire de Chicoutimi, Comte de Chicoutimi, Quebec, Canada.
TRIMBLE, CLINTON E., 3796 Degnan Boulevard, Los Angeles, California.
TROTTER, RUSSELL, 129 South Main Street, Windsor Locks, Connecticut.
TRUDELL, HARRY W., 303 Highland Avenue, Abington, Pennsylvania.
*TUNELL, GEORGE, Geophysical Laboratory, Washington, D.C.
TUTHILL, ISABEL H., 1366 Pacific Street, Brooklyn, New York.
TUTTLE, O. F., Geophysical Laboratory, Washington, D.C.
- UPSON, CHARLES G., R.F.D. 1, Box 150, West Cheshire, Connecticut.
- VALENTINE, WILBUR G., Brooklyn College, Brooklyn, New York.
VANCE, R. C., Woodland Road, Long Meadow, Pittsford, New York.
VANDEREIKE, PAUL, Route 5, Box 128, Bakersfield, California.
VERROW, HAROLD J., Gorham, New Hampshire.
VHAY, JOHN STEWART, U. S. Geological Survey, Washington, D.C.
VICTORIA, JUAN, Entre Rios 1145, San Juan, Argentina.
VIETZKE, FRED W. C., 110 West Main Street, Meriden, Connecticut.
VITALIANO, CHARLES J., Sierra Magnesite Co., Luning, Nevada.
*VON SCHLICHTEN, OTTO, University of Cincinnati, Cincinnati, Ohio.
*VONSEN, M., Petaluma, California.
- WADE, F. ALTON, 111 Walnut Street, Oxford, Ohio.
WAHLSTROM, E. E., University of Colorado, Boulder, Colorado.
WALDO, ALLEN W., 1335 North Van Buren, Stockton, California.
WALDSCHMIDT, W. A., 4840 Tennyson Street, Denver, Colorado.
*WALLACE, ROBERT C., Queen's University, Kingston, Ontario, Canada.
WALTER, CHARLES, JR., Caprock, New Mexico.
WALTHER, P., 508 Muriel Parkway, Elizabeth, New Jersey.
WARNER, ROBERT E., 2980 Pingree Avenue, Detroit, Michigan.
WARRACH, HENRY C., Box 768, Memphis, Tennessee.
WASSERSTEIN, B., Geological Survey, Union of South Africa, Pretoria, South Africa.
*WATSON, E. H., Bryn Mawr College, Bryn Mawr, Pennsylvania.
WATSON, KENNETH DEP., Department of Mines, Victoria, British Columbia, Canada.
WAYLAND, RUSSELL G., Capt., 1832 Eye Street, N.W., Washington, D.C.

- WEBB, ROBERT, University of California at Los Angeles, California.
 WEEKS, CHARLES A., Red Gate Lane, Meredith, New Hampshire.
 WEIDHAAS, ERNEST, 63 Iden Avenue, Pelham Manor, New York.
 *WEIDMAN, SAMUEL, 512 Lahoma Street, Norman, Oklahoma.
 WELLMAN, WALTER L., 2205 Alamo Drive, Albuquerque, New Mexico.
 WELLNITZ, ANNA M., Brooklyn College, Brooklyn, New York.
 *WELLS, ROGER C., U. S. Geological Survey, Washington, D.C.
 WERNER, GEORGE R., 229 Whitford Avenue, Nutley, New Jersey.
 WEST, C. D., Polaroid Corporation, 718 Main Street, Cambridge, Massachusetts.
 *WESTGATE, LEWIS G., 124 Oak Hill Avenue, Delaware, Ohio.
 *WHERRY, EDGAR T., 27 Oberlin Avenue, Swarthmore, Pennsylvania.
 WHITAKER, GEORGE C., 825 E. Schaaf Road, R.F.D. 3, Cleveland, Ohio.
 WHITE, GEORGE W., Ohio State University, Columbus, Ohio.
 *WHITLOCK, HERBERT P., American Museum of Natural History, New York, New York.
 WHITNEY, ROSCOE J., Buckingham Road, Leominster, Massachusetts.
 *WIGGLESWORTH, EDWARD, 69 Newbury Street, Boston, Massachusetts.
 WILKINSON, RUSSELL, R. 8, Jackson, Michigan.
 WILLEMS, H. W., 215 Cedar Street, Corning, New York.
 WILLIAMS, CHARLES R., 27 Thackeray Road, Wellesley Hills, Massachusetts.
 WILLIAMS, NORMAN C., 762 8th Avenue, Salt Lake City, Utah.
 WILLIS, WILLETT R., 1343 North Nevada Avenue, Colorado Springs, Colorado.
 *WINCHELL, ALEXANDER N., University of Wisconsin, Madison, Wisconsin.
 WINCHELL, HORACE, Hamilton Watch Company, Lancaster, Pennsylvania.
 WISHART, JAMES S., 56 Hammond Street, Rochester, New York.
 WITHROW, JAMES R., 77 16 Avenue, Columbus, Ohio.
 *WOLFE, C. W., Boston University, Boston, Massachusetts.
 *WOODFORD, ALFRED O., 443 West 10 Street, Claremont, California.
 WOODHOUSE, C. D., 33 Mimosa Lane, Santa Barbara, California.
 WOODRUFF, T. L., 3480 Morganford Road, St. Louis, Missouri.
 WOODS, ARTHUR E., 115 West Shore Boulevard, Tampa, Florida.
 *WRIGHT, FREDERICK E., 2134 Wyoming Avenue, Washington, D.C.
 WRIGHT, THOMAS A., 1161 Stillman Avenue, Plainsfield, New Jersey.
- YALE, R. B., 6600 Sunset Boulevard, Los Angeles, California.
 YOUNG, B. E., 193 Ridge Road, Grosse Pointe Farms, Michigan.
 YOUNG, FORD, Department of Geology, Columbia University, New York, New York.
 YOUNG, GEORGE, Box 67, Barstow, California.
 YOUNG, JOHN A., JR., Michigan State College, East Lansing, Michigan.
- ZEIHEN, LESTER G., Chile Exploration Company, Chuquicamata, Chile.
 ZEMAN, FREDERIC D., 111 East 88 Street, New York, New York.
 ZERFOSS, SAMUEL, Pennsylvania State College, State College, Pennsylvania.
 ZIMANYI, D. F., Magyar Nemzeti Museum, Budapest, Hungary.
 ZIMMER, PAUL W., Lyon Mountain, New York.
 ZODAC, PETER, Box 29, Peekskill, New York.

SUBSCRIBERS

- Academy of Natural Sciences Library, Logan Circle, Philadelphia, Pennsylvania.
 Agricultural and Mechanical College of Texas Library, College Station, Texas.
 American Colloid Company, 363 West Superior Street, Chicago, Illinois.

- American Cyanamid Company, 1937 West Main Street, Stamford Connecticut.
American Museum of Natural History Library, New York, New York.
American Potash and Chemical Corporation, Trona, California.
American Zinc Company of Tennessee, Geological Department, Mascot, Tennessee.
Amherst College Library, Amherst, Massachusetts.
Andhra University Library, Waltair, India.
Australian Museum, Sydney, New South Wales, Australia.
- Bailey Brothers and Swinfen, Ltd., Cathedral House, 8-11 Paternoster Row, London, E.C. 4, England.
Bangor Public Library, Bangor, Maine.
Basic Magnesium, Inc., Box 7, Luning, Nevada.
Bausch and Lomb Optical Company, Scientific Library, Rochester, New York.
Beloit College Library, Beloit, Wisconsin.
Birmingham-Southern College, 900 Eighth Avenue West, Birmingham, Alabama.
Bonneville Project, Box 3537, Project Library, Portland, Oregon.
Boston Public Library, Copley Square, Boston, Massachusetts.
Boston University Library, 688 Boylston Street, Boston, Massachusetts.
Bridgeport Public Library, 925 Broad Street, Bridgeport, Connecticut.
Brooklyn Children's Museum Library, Brooklyn, New York.
Brooklyn Public Library, Science and Industry Division, Brooklyn, New York.
Brown University Library, Providence, Rhode Island.
Bryn Mawr College Library, Bryn Mawr, Pennsylvania.
Buffalo Museum of Science, Research Library, Humbolt Street, Buffalo, New York.
- Caja de Credito Minero, Laboratorio, Casilla 100 D, Santiago, Chile.
California Institute of Technology, Pasadena, California.
California State Division of Mines, Ferry Building, San Francisco, California.
Canadian Industries, Ltd., Development Laboratory, McMasterville, Quebec, Canada.
Carleton College Library, Northfield, Minnesota.
Carnegie Institute of Technology, Science Library, Schenley Park, Pittsburgh, Pennsylvania.
Carnegie Library of Pittsburgh, Schenley Park, Pittsburgh, Pennsylvania.
Case School of Applied Science, Department of Geology and Mineralogy, Cleveland, Ohio.
Central Trust of China, 112 Hongkong and Shanghai Bank Building, Hongkong, China.
Clark University Library, Worcester, Massachusetts.
Cleveland Public Library, 325 Superior Avenue, N.E., Cleveland, Ohio.
College of the City of New York, Convent Avenue and 139 Street, New York, New York.
Colorado College, Coburn Library, Colorado Springs, Colorado.
Colorado School of Mines Library, Golden, Colorado.
Colorado Springs Mineralogical Society, 123 North Tejon Street, Colorado Springs, Colorado.
Columbia University Library, New York, New York.
Commissioner of Lands and Mines, Georgetown, British Guiana.
Cornell University Library, Ithaca, New York.
Cranbrook Institute of Science, Bloomfield Hills, Michigan.
Crane Company, Research Laboratories, 836 South Michigan Avenue, Chicago, Illinois.
- Dartmouth College Library, Hanover, New Hampshire.
Denver Public Library, Science and Engineering Department, Denver, Colorado.

- Department of Mines, Parliament Buildings, Victoria, British Columbia, Canada.
 Department of Natural Resources, Division of Mines, State Capitol, Atlanta, Georgia.
 Departamento Nacional da Producao Mineral, Avenida Pasteur 404, Rio de Janeiro, Brazil.
- DePauw University Library, Greencastle, Indiana.
 Detroit Public Library, Woodward and Kirby Avenues, Detroit, Michigan.
 Dow Chemical Company Library, Midland, Michigan.
 Dra. Z. Ch. de Cetrangelo, Crisostomo Alvarez 616, Tucuman, Argentina.
 Duke University Library, Durham, North Carolina.
- Earlham College Library, Richmond, Indiana.
 Eastern New Mexico College Library, Portales, New Mexico.
 Ecole Polytechnique, 1430 Rue St. Denis, Montreal, Canada.
 Electro Metallurgical Company, (Union Carbide Laboratories), 4625 Royal Avenue, Niagara Falls, New York.
 Engineering Societies Library, 29 West 39 Street, New York, New York.
 Escola Politecnica da Universidade de Sao Paulo. Rua Quinze de Novembro 144, Sao Paulo, Brazil.
 Escuela de Ingenieros Industriales, Avenida B. O'Higgins 1876, Santiago, Chile.
 Escuela Nacional de Ingenieros, Casilla 1301, Lima, Peru.
- Faxon, F. W., Company, 83 Francis Street, Back Bay, Boston, Massachusetts. (for Alumni Club, Foundation Universitaire, Brussels, Belgium)
 Field Museum of Natural History, Chicago, Illinois.
 Foote Mineral Company, 1609 Summer Street, Philadelphia, Pennsylvania.
 Fresno State Teachers College Library, Fresno, California.
- Garcia, Valentin y Cia. Apartado 2103, Habana, Cuba.
 General Electric Company Laboratory Library, Pittsfield, Massachusetts.
 General Electric Company Research Laboratory Library, Schenectady, New York.
 Geological Society of America, 419 West 117 Street, New York, New York.
 Geological Society of London, Burlington House, Piccadilly, London, W. 1, England.
 Geological Survey, Box 9, Entebbe, Uganda.
 Geological Survey of Canada, Department of Mines and Resources, Victoria Memorial Museum, Ottawa, Canada.
 Geological Survey of Great Britain, Exhibition Road, London, S.W. 7, England.
 Geological Survey of India, 27 Chowringhee Road, Calcutta, India.
 Geological Survey of New Zealand, 156, The Terrace, Wellington, New Zealand.
 Geological Survey of South Africa, Department of Mines, Pretoria, South Africa.
 Geological Survey of Southern Rhodesia, Salisbury, Southern Rhodesia, Africa.
 Geophysical Laboratory, 2801 Upton Street, Washington, D.C.
 Georgia School of Technology Library, Atlanta, Georgia.
 Gobierno de Colombia, Departamento Nacional de Provisiones, Bogota, Colombia.
 Government Mineralogist, Torrington Square, Colombo, Ceylon.
- Hamilton College Library, Clinton, New York.
 Harbison-Walker Refractories Company, Hays Laboratory, Box 443, Homestead, Pennsylvania.
 Harrassowitz, Otto, Braus-Riggenbach, Basel, Switzerland.

Harvard University, Department of Mineralogy Library, Cambridge, Massachusetts.
Hazel Atlas Glass Company, Box 94, Wheeling, West Virginia.
Hebrew University, Department of Geology, Jerusalem, Palestine.
His Majesty's Stationery Office, Princes Street, Westminster, London, S.W. 1, England.

I.C.I. Alkali, Ltd., Supply Dept., Northwich, Cheshire, England.
Idaho University Library, Moscow, Idaho.
Imperial College of Science and Technology, South Kensington, London, S.W. 7, England.
Indiana University Library, Bloomington, Indiana.
Instituto de Geologia, Avenida San Martin, Caracas, Venezuela.
International Nickel Company of Canada, Ltd., Copper Cliff, Ontario, Canada.
Iowa State College Library, Ames, Iowa.

Johannesburg Public Library, Johannesburg, South Africa.
John Crerar Library, Chicago, Illinois.
Johns Hopkins University Library, Baltimore, Maryland.
Johns Manville Research Laboratories, Manville, New Jersey.

Kansas City Public Library, 9th and Locust Street, Kansas City, Missouri.
Kansas State Agricultural College Library, Manhattan, Kansas.

Laboratorio Quimico Nacional, Apartado 2577, Bogota, Colombia.
Lafayette College Library, Easton, Pennsylvania.
Lago Petroleum Corporation, Apartado 172, Maracaibo, Venezuela.
Lehigh University Library, Bethlehem, Pennsylvania.
Library, Elmwood, Hartburn, Stockton-on-Tees, England.
Library of Congress, Washington, D. C.
Linde Air Products Company Library, East Park Drive and Woodward Avenue, Tonawanda, New York.
Livraria Kosmos, Rua Marconi 91-93, Sao Paulo, Brazil.
Los Angeles County Public Library, 322 South Broadway, Los Angeles, California.
Los Angeles Public Library, 5th Street and Broadway, Los Angeles, California.
Louisiana State University Library, University, Louisiana.

Maine Mineralogical and Geological Society, 6 Allen Avenue, Portland, Maine.
Marshall College Library, Huntington, West Virginia.
Massachusetts Institute of Technology Library, Cambridge, Massachusetts.
Massachusetts State College, Goodell Library, Amherst, Massachusetts.
McGill University Library, 3459 McTavish Street, Montreal, Canada.
McMaster University Library, Hamilton, Ontario, Canada.
Mechanics Mercantile Library, 57 Post Street, San Francisco, California.
Mezhdunarodnaja Kniga, Kuznetski Most. 18, Moscow, U.S.S.R.
Michigan College of Mines and Technology Library, Houghton, Michigan.
Michigan State College Library, East Lansing, Michigan.
Ministere Mines and Pecheries, Chambre E-605, Hotel de Government, Quebec, Canada.
Missouri School of Mines and Metallurgy Library, Rolla, Missouri.
Montana School of Mines, Butte, Montana.
Montana State University Library, Missoula, Montana.
Mount Holyoke College Library, South Hadley, Massachusetts.

- National Institute of Health, Rockville Pike, Bethesda, Maryland.
 Nevada Consolidated Copper Corporation, Nevada Mines Division, McGill, Nevada.
 Newark Mineralogical Society, 468 Orange Street, Newark, New Jersey.
 New Jersey Zinc Company Library, Franklin, New Jersey.
 New Jersey Zinc Company, 160 Front Street, New York, New York.
 New Mexico State School of Mines, Socorro, New Mexico.
 New York Mineralogical Club, Inc., American Museum of Natural History, New York, New York.
 New York Public Library, 476 Fifth Avenue, New York, New York.
 New York State Library, Albany, New York.
 New York University Library, University Heights, New York, New York.
 New York University, Washington Square Library, 100 Washington Square East, New York, New York.
 Newark Museum Association, 49 Washington Street, Newark, New Jersey.
 North American Philips Company, 145 Palisade Street, Dobbs Ferry, New York.
 North Carolina State College of Agriculture and Engineering, State College Station, Raleigh, North Carolina.
 North Staffordshire Technical College, Ceramic Society, Stoke-on-Trent, England.
 North Texas Agricultural College Library, Arlington, Texas.
 Northwestern University Library, Evanston, Illinois.
- Oberlin College Library, Oberlin, Ohio.
 Occidental College Library, Los Angeles, California.
 Ohio State University Library, Columbus, Ohio.
 Oklahoma Agricultural and Mechanical College Library, Stillwater, Oklahoma.
 Ontario Department of Mines, Parliament Buildings, Toronto, Ontario, Canada.
 Oregon State Agricultural College Library, Corvallis, Oregon.
 Otago University, Dunedin, New Zealand.
 Oxford University, Radcliffe Library, Oxford, England.
- Pasadena Junior College, Hill and Colorado Streets, Pasadena, California.
 Pennsylvania State College, School of Mineral Industries, State College, Pennsylvania.
 Philadelphia Mineralogical Society, Academy of Natural Science, Logan Circle, Philadelphia, Pennsylvania.
 Pomona College Library, Claremont, California.
 Princeton University Library, Princeton, New Jersey.
- Queen's University Library, Kingston, Ontario, Canada.
- R. Università, Istituto di Mineralogia, Via dell' Università, 5, Modena, Italy.
 Rhode Island State College Library, Green Hall, Kingston, Rhode Island.
 Rhodes University College, Grahamstown, South Africa.
 Rochester Public Library, 115 South Avenue, Rochester, New York.
 Royal Ontario Museum of Mineralogy, 100 Queen's Park, Toronto 5, Canada.
 Rumrill, Charles L. and Company, 364 East Avenue, Rochester, New York.
 Rutgers University Library, New Brunswick, New Jersey.
- St. Louis University Library, St. Louis, Missouri.
 San Diego Society of Natural History, Balboa Park, San Diego, California.
 San Diego State College Library, San Diego, California.

- Santa Ana Public Library, Santa Ana, California.
 Santa Barbara State College, 1920 Lausen Road, Santa Barbara, California.
 Schortmann's Minerals, 6 McKinley Avenue, Easthampton, Massachusetts.
 Science Museum Library, South Kensington, London, S.W. 7, England.
 Scripps Institute of Oceanography Library, La Jolla, California.
 Senores Banco Minero, Apartado Postal 2565, Lima, Peru.
 Smith College Library, Northampton, Massachusetts.
 Sociedad Científica Argentina, Santa Fe 1145, Buenos Aires, Argentina.
 South Dakota State School of Mines Library, Rapid City, South Dakota.
 Southbridge Technical Society, Jacob Edwards Library, Southbridge, Massachusetts.
 Southern Methodist University, Library, Dallas, Texas.
 Southwestern Louisiana Institute, Stephens Memorial Library, Lafayette, Louisiana.
 Spencer Lens Company, Buffalo, New York.
 Stanford University Library, Stanford University, California.
 Standard Oil Company of New Jersey, Geological Department, 26 Broadway, New York,
 New York.
 State University of Iowa Library, Iowa City, Iowa.
 Stecher, G. E. and Company, Chemistry Department, 31 East 10 Street, New York, New
 York.
 Steven, B. F. and Brown, 28-30 Little Russell Street, London, W.C. 1, England.
 Syracuse University Library, Syracuse, New York.
- Tennessee Eastman Corporation, Kingsport, Tennessee.
 Texas College of Mines and Metallurgy Library, El Paso, Texas.
 Texas Technological College Library, Lubbock, Texas.
 Thin, James, 54 South Bridge Street, Edinburgh, 1, Scotland.
 Thomas and Hochwalt Laboratories, Monsanto Chemical Company, Dayton, Ohio.
 Toledo Public Library, Toledo, Ohio.
 Tufts College Library, Tufts College 57, Medford, Massachusetts.
- Union College Library, Schenectady, New York.
 United States Bureau of Standards Library, Washington, D.C.
 United States Geological Survey Library, Washington, D.C.
 United States National Museum, Washington, D.C.
 Universidad Nacional de Mexico Library, Calle del Lic. Verdad No. 2, Mexico City, D.F.,
 Mexico.
 University Library, Cambridge, England.
 University, Department of Mineralogy and Petrology, Cambridge, England.
 University Library, Stellenbosch, South Africa.
 University Library, Adelaide, South Australia.
 University College, Potchefstroom, Transvaal, South Africa.
 University College of Swansea Library, Singleton Park, Swansea, England.
 University of Arizona Library, Tucson, Arizona.
 University of Arkansas, Fayetteville, Arkansas.
 University of Berne, Mineralogical and Petrographical Institute, Berne, Switzerland.
 University of British Columbia, Point Grey, British Columbia, Canada.
 University of Brussels, Brussels, Belgium.
 University of Buffalo Library, 3425 Main Street, Buffalo, New York.
 University of Calcutta, Geological Department, Calcutta, India.
 University of California Library, Berkeley, California.

- University of California, Division of Soils, 119 Hilgard Hall, Berkeley, California.
University of California at Los Angeles, Los Angeles, California.
University of Cape Town Library, Rondebosch, Cape Town, South Africa.
University of Chattanooga Library, Chattanooga, Tennessee.
University of Chicago Libraries, Chicago, Illinois.
University of Cincinnati, Director of Central Stores, Cincinnati, Ohio.
University of Cincinnati Library, Burnett Woods Park, Cincinnati, Ohio.
University of Colorado Library, Boulder, Colorado.
University of Connecticut Library, Storrs, Connecticut.
University of Hawaii, Honolulu, Hawaii.
University of Illinois Library, Urbana, Illinois.
University of Kansas Library, Lawrence, Kansas.
University of Kentucky Library, Lexington, Kentucky.
University of Liege, Geological Laboratory, Liege, Belgium.
University of Louvain Library, Place du People, Louvain, Belgium.
University of Manchester Library, Manchester, England.
University of Manitoba Library, Winnipeg, Manitoba, Canada.
University of Melbourne Library, Carlton N. 3, Victoria, Australia.
University of Michigan Library, Ann Arbor, Michigan.
University of Minnesota Library, Minneapolis, Minnesota.
University of Missouri Library, Columbia, Missouri.
University of Nebraska Library, Lincoln, Nebraska.
University of New Hampshire Library, Durham, New Hampshire.
University of New Mexico Library, Albuquerque, New Mexico.
University of North Carolina Library, Chapel Hill, North Carolina.
University of North Dakota Library, University, North Dakota.
University of Oklahoma Library, Norman, Oklahoma.
University of Oregon Library, Eugene, Oregon.
University of Pennsylvania Library, Philadelphia, Pennsylvania.
University of Pittsburgh Library, 310 State Hall, Pittsburgh, Pennsylvania.
University of Pretoria Library, Pretoria, South Africa.
University of Rochester Library, Rochester, New York.
University of St. Andrews Library, St. Andrews, Scotland.
University of Sheffield, St. George's Square, Sheffield 1, England.
University of South Carolina, Department of Geology, Columbia, South Carolina.
University of South Dakota Library, Vermilion, South Dakota.
University of Southern California Library, University Park, Los Angeles, California.
University of Sydney, Fisher Library, Sydney, New South Wales, Australia.
University of Texas Library, Austin, Texas.
University of Toronto Library, Toronto, Ontario, Canada.
University of Utah Library, Salt Lake City, Utah.
University of Virginia Library, Charlottesville, Virginia.
University of Washington Library, Seattle, Washington.
University of West Virginia Library, Morgantown, West Virginia.
University of Western Australia Library, Perth, Western Australia.
University of Wisconsin Library, Madison, Wisconsin.
University of Witwatersrand Library, Johannesburg, South Africa.
University of Wyoming Library, Laramie, Wyoming.

Vanadium Corporation of America Library, Bridgeville, Pennsylvania.
Vanderbilt University, Joint University Library, Nashville, Tennessee.
Victory Shipping Company, Maritime Building, 8-10 Bridge Street, New York, New York.

Ward's Natural Science Establishment, Rochester, New York.
Washington State College Library, Pullman, Washington.
Washington University Library, St. Louis, Missouri.
Wayne Laboratories, 17 East Main Street, Waynesboro, Pennsylvania.
Wellesley College Library, Wellesley, Massachusetts.
Wesleyan College Library, 175 North Street, Middletown, Connecticut.
Wichita City Library, Wichita, Kansas.

Yale University, Brush Mineralogical Library, Kirtland Hall, New Haven, Connecticut.
Young, Henry, and Sons, Ltd., 15 North John Street, Liverpool, England.