

# CORRESPONDENTS, FELLOWS AND MEMBERS OF THE MINERALOGICAL SOCIETY OF AMERICA†

## CORRESPONDENTS

- ESKOLA, PENTTI, Geological Institute of the University, Snellmaninkatu 5, Helsinki, Finland.
- NIGGLI, PAUL, Eidg. Technische Hochschule, Min.-Pedro. Institut, Sonneggestrasse 5, Zürich, Switzerland.
- SLAVÍK, FRANTISEK, Albertov 6, Praha, 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, JOHN WAGSTAFF, Box 2767, Lakewood Branch, Denver 15, Colorado.
- ADLER, HANS H., 34 Ketcham Avenue, Hicksville, Long Island, New York.
- AGHION, HENRI, 26, Rue Chérif Pacha, Alexandrie, Le.-Egypte.
- AGRELL, S. O., Dept. of Geology, University of Manchester, Manchester 13, England.
- \*AHLFELD, FEDERICO, Casilla 582, Cochabamba, Bolivia.
- AHRENS, L. H., Dept. of Geology, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.
- ALBERS, JOHN P., 632 Fairmede Avenue, Palo Alto, California.
- ALBRECHT, HERBERT O., 62 S. Hillcrest Road, Springfield, Pennsylvania.
- ALDRICH, DEAN C., 11 Buena Vista, Mill Valley, California.
- \*ALDRICH, HENRY R., 200 Van Orden Avenue, Leonia, New Jersey.
- ALESSIO, ORESTE G., JR., 3831 Alta Vista Terrace, Chicago 13, Illinois.
- ALEXANDER, A. E., 55 East 47th Street, New York, New York.
- ALF, RAYMOND M., Webb School, Claremont, California.
- ALLEN, ALFRED W., Dept. of Ceramic Engineering, University of Illinois, Urbana, Illinois.
- ALLEN, C. M., Bay House, Pembroke, Bermuda.
- ALLEN, ROBERT D., 32 Tyson Road, Worcester 6, Massachusetts.
- \*ALLEN, VICTOR T., Institute of Geophysical Technology, 3621 Olive Street, St. Louis 8, Missouri.
- \*ALLING, HAROLD L., 155 West Jefferson Road, Pittsford, New Jersey.
- \*ALLISON, C. A., c/o Milligan Beauty Parlor, Miles City, Montana.
- ALTSCHULER, Z. S., U. S. Geological Survey, Geochemistry & Petrology, Washington 25, D. C.
- ANDERSON, A. BENTON, Hazardville, Connecticut.
- \*ANDERSON, ALFRED L., Dept. of Geology, Cornell University, Ithaca, New York.
- \*ANDERSON, CHARLES A., Box 633, Prescott, Arizona.
- ANDERSON, J. L., c/o Ralph E. Davies, Commerce Building, Houston, Texas.
- ANDREATTA, CIRO, Istituto di Mineralogia e Petrografia, Università di Bologna, Via Zamboni 94, Bologna, Italia.
- ANDREW, GERALD, Box 410, Geological Survey, Khartum, Anglo-Egyptian Sudan.
- ANDREWS, T. G., Geology Department, Box 2005, University, Alabama.
- ANGOVE, JOHN, c/o Mysore Gold Mining Co., Ltd., Marikuppuppan P.O., Mysore, South India.

† Changes received by the Secretary after January 1, 1952, are not included.

- ANTHONY, JOHN W., Dept. of Geology, University of Arizona, Tucson, Arizona.  
ARELLANO, A. R. V., Apartado 8393, Mexico, D.F., Mexico.  
ARNEY, TOM, 110 West 2nd Street, Newberg, Oregon.  
ARNOTT, RONALD J., John Jay Hall, Columbia University, New York 27, New York.  
ASHBY, GEORGE E., Gambrills, Maryland.  
AXELROD, JOSEPH, U. S. Geological Survey, Washington 25, D. C.  
AYCARDO, MAN M., JR., 596 Uito Cruz, Manila, Philippine Islands.
- BACON, CHARLES S., JR., Dept. of Geology and Mineralogy, Case Institute of Technology, Cleveland 6, Ohio.  
BACON, JAMES F., Development & Research Dept., Corning Glass Works, Corning, New York.  
BAILEY, EDGAR H., 257 Oakdale Way, Redwood City, California.  
BAILEY, R. K., 1725 Taylor Street, N.W., Washington 11, D. C.  
BAILEY, S. W., Dept. of Geology, University of Wisconsin, Madison, Wisconsin.  
BAILEY, RENÉ, Université de Liège, Institut de Mineralogie, Liège, Belgium.  
\*BAIN, GEORGE W., 12 Dana Street, Amherst, Massachusetts.  
BALKE, CLAIRE C., 501 Lombardy Road, Drexel Hill, Pennsylvania.  
BALLESTEROS, ALFONSO, Surigao Mineral Acres, Lanuza, Surigao, Philippines.  
\*BANDY, MARK C., Redfield, Iowa.  
BANK, WALTER, U. S. Bureau of Mines, 4800 Forbes Street, Pittsburgh 13, Pennsylvania.  
\*BANNERMAN, HAROLD M., U. S. Geological Survey, Washington 25, D. C.  
\*BANNISTER, F. A., 34 Monahan Avenue, Purley, Surrey, England.  
\*BARKSDALE, JULIAN D., Dept. of Geology, University of Washington, Seattle 5, Washington.  
\*BARLETT, HELEN BLAIR, AC Spark Plug Division, General Motors Corporation, Flint 2, Michigan.  
\*BARNES, VIRGIL E., 207 East 33rd Street, Austin 21, Texas.  
\*BARNES, W. C., 215 Regent Street, Glen Ellyn, Illinois.  
\*BARNES, WILLIAM H., Radiology Section, National Research Council, Ottawa, Canada.  
BARRETT, RICHARD L., 455 El Prado, Las Cruces, New Mexico.  
\*BARTH, TOM F. W., Mineralogisk Geologisk Museum, Oslo 45, Norway.  
BASSETT, ALLEN M., 1985 Cody Street, Lakewood, Colorado.  
\*BATEMAN, ALAN M., Dept. of Geology, Yale University, New Haven, Connecticut.  
\*BATES, THOMAS F., Dept. of Earth Sciences, Pennsylvania State College, State College, Pennsylvania.  
\*BAUER, LAWSON H., Franklin, New Jersey.  
BAUMANN, H. N., Research Dept., The Carborundum Company, Niagara Falls, New York.  
BAXTER, E. F., Calle Viamonte 470, Cordoba, Argentina.  
BEAL, I. A., Ruby Star Route, Box 38, Tucson, Arizona.  
BEARD, E. H., The Imperial Institute, London, S.W. 7, England.  
BECK, CARL W., Dept. of Geology, University of New Mexico, Albuquerque, New Mexico.  
BECK, WARREN, Central Research Dept., Minnesota Mining & Manufacturing Company, 367 Grove Street, St. Paul, Minnesota.  
\*BEHRE, CHARLES H., JR., Dept. of Geology, Columbia University, New York 27, New York.  
BELL, GORDON L., 1520 Kensington Avenue, Salt Lake City 5, Utah.  
\*BELL, JAMES FORBES, 1510 Public Service Building, Portland 4, Oregon.  
BENTHIN, B. M., Tenino, Washington.

- BERKELHAMMER, LOUIS H., Ohmite Manufacturing Company, 4835 Flournoy Street, Chicago 44, Illinois.
- BERMAN, JOSEPH, U. S. Geological Survey, Naval Gun Factory, Washington, D. C.
- BERNHEIMER, ALAN W., Dept. of Bacteriology, N. Y. U. College of Medicine, 477 1st Avenue, New York, New York.
- \*BERRY, LEONARD G., Dept. of Mineralogy, Queen's University, Kingston, Ontario, Canada.
- BEVER, JAMES E., Mineralogical Laboratory, University of Michigan, Ann Arbor, Michigan.
- BIGGS, DONALD L., 1208 Paquin Avenue, Columbia, Missouri.
- \*BILLINGS, MARLAND P., Dept. of Geology, Harvard University, Cambridge 38, Massachusetts.
- BINGHAM, E. BURRIS, 8436 Ramsgate, Los Angeles 45, California.
- BIRCHALL, BENJAMIN H., 234 East Penn Street, Philadelphia 44, Pennsylvania.
- BIRCHMAN, PAUL, 717 East Randolph Street, Angola, Indiana.
- BIREN, MRS. H. A., 138-10 Cronston Avenue, Belle Harbor, New York.
- BJAREBY, GUNNAR, 147 Worthington Street, Boston 15, Massachusetts.
- BLANK, HORACE R., Dept. of Geology, Texas A. & M. College, College Station, Texas.
- BLOIS, EVERETT C., JR., Summer Lane, Framingham, Massachusetts.
- BLONDEL, FERNAND A., 12 Rue de Bourgogne, Paris VII, France.
- BLOOM, JOSEPH B., 7810 Brewster Avenue, Philadelphia 42, Pennsylvania.
- BLOSS, F. DONALD, Dept. of Geology, University of Tennessee, Knoxville, Tennessee.
- BOASE, WOODY CARL, 109 Main Street, Rapid City, South Dakota.
- BOGUE, RICHARD G., 2943 E. 31st Street, Tucson, Arizona.
- BOOTH, OLIVER E., 907 Clinton Avenue, Des Moines 13, Iowa.
- BORGSTROM, L. H., Mussigatan 3, Helsingfors, Finland.
- BOTINELLY, THEODORE, 4807 41st Street, N.W., Washington, D. C.
- BOUCOT, ARTHUR J., Apt. 2, 4000 North Fifth Street, Arlington, Virginia.
- \*BOWEN, NORMAN L., Geophysical Laboratory, 2801 Upton Street, N.W., Washington 8, D. C.
- BOWIE, STANLEY H. U., Geological Survey of Great Britain, Exhibition Road, London S.W. 7, England.
- \*BOWLES, OLIVER, 5000 Massachusetts Avenue, N.W., Washington 8, D. C.
- BOYNTON, A. G., Box 611, Boulder City, Nevada.
- BRACE, WILLIAM F., 319 Highland Avenue, Winchester, Massachusetts.
- BRADLEY, J. W., 4300 Budlong Avenue, Los Angeles 37, California.
- \*BRADLEY, WILLIAM F., Illinois State Geological Survey, Urbana, Illinois.
- \*BRAMLETTE, MILTON N., Scripps Institute of Oceanography, La Jolla, California.
- BRANT, ARTHUR M., Lord Hall, Ohio State University, Columbus, Ohio.
- BRAY, D. M., 42 William Street, Roseville, New South Wales, Australia.
- BRECKE, ERVIN A., Rosiclare, Illinois.
- BRENDLER, W., Winterstrasse 4-8, Hamburg-Altona, Germany.
- BRINEMAN, JOHN H., 2800 Northwest Highway, Dallas 9, Texas.
- BRISON, R. J., 215 West Lakeview Avenue, Columbus, Ohio.
- ROBST, DONALD A., U. S. Geological Survey, Room 13, Post Office Building, Knoxville, Tennessee.
- BRITTON, MARVIN G., Dept. of Mineralogy, Ohio State University, Columbus 10, Ohio.
- BROWN, ARTHUR H., R. F. D. Mission Road, Jessups, Maryland.
- \*BROWN, JOHN S., c/o St. Joseph Lead Company, Bonne Terre, Missouri.
- BROWN, TRUEHART, Geochemical Survey, 3806 Cedar Springs, Dallas, Texas.

- BROWN, T. R., Dept. of Geology, University of Kentucky, Lexington 29, Kentucky.
- BROWNELL, WAYNE E., 126 Hornell Street, Hornell, New York.
- BRUNK, C. C., 2809½ West 42nd Street, Los Angeles 8, California.
- BRYANT, W. M. D., R.D. 3, Silverside Road, Wilmington, Delaware.
- BUCKELEW, HAROLD C., 24 Lyons Avenue, Newark 8, New Jersey.
- \*BUCKLEY, HAROLD E., 100 Hazelhurst Road, Worsley, Manchester, England.
- BUCKLEY, S. E., Humble Oil & Refining Company, P.O. Box 2180, Houston 1, Texas.
- \*BUDDINGTON, ARTHUR F., Dept. of Geology, Princeton University, Princeton, New Jersey
- \*BUERGER, MARTIN J., Massachusetts Institute of Technology, Cambridge 39, Massachusetts.
- \*BUERGER, NEWTON W., Dept. of Metallurgy, U. S. Naval Academy, Annapolis, Maryland.
- \*BULLARD, FRED M., Dept. of Geology, University of Texas, Austin, Texas.
- BULLOCK, KENNETH C., Dept. of Geology, Brigham Young University, Provo, Utah.
- BUNTON, PAUL B., 2900 Connecticut Avenue, N.W., Washington 8, D. C.
- \*BURBANK, WILBUR S., 3348 Runnymede Place, N.W., Washington 15, D. C.
- \*BURFOOT, JAMES DABNEY, JR., Dept. of Geology, Cornell University, Ithaca, New York.
- BURNHAM, C. WAYNE, 2385 Oswego Street, Pasadena 10, California.
- BURNHAM, G. E., 128½ S. Encinitas Avenue, Monrovia, California.
- BURRI, CONRAD, Mineralogisch-petrographisches Institut, Eidgenössische Technische Hochschule, Sonneggstrasse 5, Zürich 6, Switzerland.
- BURST, JOHN F., 3737 Bellaire Boulevard, Shell Oil Company, Houston, Texas.
- BUTLER, E. S., 408 Archer Street, Houston 9, Texas.
- \*BUTLER, G. MONTAGUE, Box 4186, University Station, Tucson, Arizona.
- BUTLER, JOHN W., JR., c/o Phillips Venezuelan Oil Company, Apartado 1031, Caracas, Venezuela.
- \*BUTLER, ROBERT D., Bethlehem Steel Company, Bethlehem, Pennsylvania.
- \*BUTTGEBACH, HENRY J., 182 Avenue F. D. Roosevelt, Bruxelles, Belgium.
- BYERS, FRANK M., JR., General Geology Branch, Federal Center, Denver 14, Colorado.
- BYRON, J. E., 1240 Pearl Street, Boulder, Colorado.
- CALLAHAN, WILLIAM H., 1 Rowe Place, Franklin, New Jersey.
- CALVER, JAMES L., 1553 Cristobal Drive, Los Robles, Tallahassee, Florida.
- CALVERT, EARL L., 1528 Ardendale Avenue, San Gabriel, California.
- \*CAMERON, EUGENE N., Science Hall, Madison 6, Wisconsin.
- \*CAMPBELL, CHARLES D., Harvey Road, Pullman, Washington.
- \*CAMPBELL, IAN, California Institute of Technology, Pasadena 4, California.
- CANAL, PAUL, 4 Place Bir-Hacheim, Rueil-Malmaison (S&O), France.
- \*CANNON, RALPH S., JR., U. S. Geological Survey, Washington 25, D. C.
- \*CAPLAN, ALLAN, 2 West 46th Street, New York 19, New York.
- CARDOSO, GABRIEL M., Andres Mellado 7, 3rd isgda, Madrid, Spain.
- CARGILLE, R. P., 118 Liberty Street, New York 6, New York.
- CARL, HOWARD F., Highland, Howard County, Maryland.
- \*CAROBBI, GUIDO, Istituto de Mineralogia della Universita, Piassa S. Marco L., Florence, Italy.
- CARTER, JOE O., Apartado 234, Maracaibo, Venezuela.
- CASPERSON, WILLIAM C., Paterson Museum, 268 Summer Street, Paterson, New Jersey.
- CASTILLO, JUAN S., Ayungan, Negros Oriental, Philippines.
- CHANG, K. H., 969 River Road Dormitories, Ohio State University, Columbus 10, Ohio.
- CHANG, PING HSI, c/o Arthur Montgomery, 277 Park Avenue, New York 17, New York.

- \*CHAPMAN, CARLETON A., Dept. of Geology, University of Illinois, Urbana, Illinois.
- \*CHAPMAN, RANDOLPH, Dept. of Geology, Johns Hopkins University, Baltimore 18, Maryland.
- CHASE, GERALD W., Oklahoma Geological Survey, Norman, Oklahoma.
- \*CHAYES, FELIX, Geophysical Laboratory, 2801 Upton Street, N.W., Washington 8, D. C.
- CHESLEY, FRANK G., Central Research Laboratories, Inc., Red Wing, Minnesota.
- CHESLEY, RICHARD B., 50 Pratt Street, Reading, Massachusetts.
- CHESTERMAN, CHARLES W., 1066 Keith Avenue, Berkeley, California.
- CHIDESTER, ALFRED H., 7 Winter Street, Montpelier, Vermont.
- CHRIST, C. L., U. S. Geological Survey, Geochemistry & Petrology, Washington 25, D. C.
- CHUTE, NEWTON E., Dept. of Geology, Syracuse University, Syracuse, New York.
- CLABAUGH, STEPHEN E., Dept. of Geology, University of Texas, Suatin 12, Texas.
- CLAFFY, MRS. ESTHER W., Naval Research Laboratory, Crystal Section, Building 3, Washington 25, D. C.
- \*CLARINGBULL, G. F., Dept. of Mineralogy, British Museum, Cromwell Road, London, S.W. 7, England.
- CLAUSEN, HANS, Mineralogical Museum, Oster Voldgade 7, Copenhagen, K., Denmark.
- CLEMENS, LELAND P., 8304 Bevan Street, San Gabriel, California.
- CLINE, STANLEY H., North Road, Warren MC 54, Ohio.
- \*COATS, ROBERT, Alaskan Branch, Geological Survey, Washington 25, D. C.
- \*COLBURN, BURNHAM S., Greystone Court, Biltmore, North Carolina.
- \*COLBURN, WILLIAM B., P.O. Box 456, Rancho Santa Fe, California.
- COLE, G. THURSTON, Rumford Point, Maine.
- COLLINI, FIL. LIC. BENGT, St. Goransgatan 20, Uppsala, Sweden.
- COMEFORO, JAY EUGENE, 86 Pine Road, Box 141, Norris, Tennessee.
- COOK, MRS. KATHRYN H., 493 South Firestone Boulevard, Akron, Ohio.
- COOK, ROGER H., 1213 12 Street, Golden, Colorado.
- COOKE, H. R., JR., Northern Peru Mining & Smelting Company, Casilla 162, Trujillo, Peru.
- \*COOKE, S. R. B., Minnesota School of Mines, Minneapolis 14, Minnesota.
- COOLEY, MARY E., 703 South Forest Avenue, Ann Arbor, Michigan.
- COOMBS, D. S., Emmanuel College, Cambridge, England.
- COONEY, ROBERT L., 4624 West 17 St., Los Angeles 19, California.
- \*COOPER, JOHN R., U. S. Geological Survey, Washington 25, D. C.
- \*CORBETT, CLIFTON S., 1102 Talon Avenue, Calgary, Alta., Canada.
- \*CORRENS, CARL W., Lotzestrasse 13, Göttingen, Germany, British Zone.
- CORWIN, GILBERT, 2122A Folwell Avenue, St. Paul 8, Minnesota.
- COTTER, PERRY G., 24 East Circle Road, Norris, Tennessee.
- COX, W. R., 2114 East Burnside, Portland, Oregon.
- CRAWFORD, ARTHUR L., 1067 East Fifth Street, S., Salt Lake City, Utah.
- CREITZ, ELLIS E., Drawer L, University, Alabama.
- CRIBBS, RICHARD E., Cobalt, Idaho.
- CRIPPEN, RICHARD A., JR., Division of Mines, Ferry Building, San Francisco, California.
- CRUMP, ROBERT M., Box 88, Star Lake, New York.
- CRUNDEN, A. B., 30 Porter Place, Montclair, New Jersey.
- CUERVO, DRA. AMERICA ANA, Laboratorio No. 1 de Mineralogia, Escuela de Ciencias, Universidad de la Havana, Havana, Cuba.
- CUMMINS, A. B., Cedar Crest Road, Bound Brook, New Jersey.
- CUNNINGHAM, DONALD E., 2719 Reel Street, Harrisburg, Pennsylvania.
- \*CURRIER, LOUIS W., U. S. Geological Survey, Washington 25, D. C.
- CUTHBERT, F., P.O. Box 1675, Houston 1, Texas.

- DAGGETT, E. B., c/o Vanadium Corporation of America, Naturita, Colorado.
- DAKE, H. C., 329 S.E. 32nd Avenue, Portland 15, Oregon.
- DANNER, WILBERT R., Dept. of Geology, College of Wooster, Wooster, Ohio.
- DARNEAL, ROBERT L., Box 832, Stanford University, California.
- DA SILVA, ALVES, Casilla Correo 81, San Rafael, F. C. P., Argentina.
- DAVES, DELMER LAWRENCE, 107 N. Bentley Avenue, West Los Angeles 24, California.
- DAVEY, W. P., Osmond Laboratory, Pennsylvania State College, State College, Pennsylvania.
- DAVIDSON, MR., 9 Castlegate, Penrith, Cumberland, England.
- \*DAVIDSON, CHARLES FINDLAY, Geological Survey and Museum, London, S.W. 7, England.
- DAVIDSON, STANLEY C., 18 Kilbarry Road, Toronto 12, Ontario, Canada
- DAVIS, DONALD W., R.F.D. 1, Katonah, New York.
- \*DAVIS, GORDON LESLIE, 4115 Wisconsin Avenue, N.W. Washington 8, D. C.
- DAVIS, HARRY T., Curator of Geology, North Carolina State Museum, Raleigh, North Carolina.
- \*DE BRETTEVILLE, A. P., JR., 224 Navesink Avenue, Highlands, New Jersey.
- DE CARLO, CHARLES, 2116 Walnut Street, Philadelphia 3, Pennsylvania.
- DE LAS CASAS, FERNANDO, Geological Dept., Cerro de Pasco Copper Corporation, Cerro de Pasco, Peru.
- DE LIMA, PLINIO, Rua Virofino Carmillo 565, Sao Paulo, Brazil.
- DENGO, GABRIEL, Apartado 1851, San Jose, Costa Rica, Central America.
- DENNING, REYNOLDS M., 1015 E. Houghton Avenue, Houghton, Michigan.
- DE SANCTIS, MRS. HELEN V. E., 86-16 60th Road, Elmhurst, Long Island, New York.
- DESMOND, THOMAS C., 94 Broadway, Newburgh, New York.
- DEUL, MAURICE, U. S. Geological Survey, Section of Geochemistry, Washington 25, D. C.
- \*DE VILLIERS, JACOB E., Geological Survey, Box 401, Pretoria, South Africa.
- DEVORE, GEORGE W., Box 180, Laramie, Wyoming.
- DIETERICH, J. F., 3724 Vantage Avenue, North Hollywood, California.
- DIETZ, RALPH W., 108 B Byrnes, China Lake, California.
- DIETZ, ROBERT SINCLAIR, Navy Electronics Laboratory, San Diego 52, California.
- DODGE, NELSON B., United States Steel Company, Research & Development Laboratory, 234 Atwood Street, Pittsburgh 13, Pennsylvania.
- \*DODGE, THEODORE A., 635 North Third Avenue, Tucson, Arizona.
- DOEGLAS, D. J., Laboratorium voor Mineralogie en Geologie, Duivendaal 2, Wageningen, Holland.
- DOLAR-MANTUANI, L., 5911 Clement Road, Vancouver, British Columbia, Canada.
- \*DONNAY, MRS. GABRIELLE, Dept. of Geology, Johns Hopkins University, Baltimore 18, Maryland.
- \*DONNAY, JOSEPH D. H., Dept. of Geology, Johns Hopkins University, Baltimore 18, Maryland.
- DOSS, CARSON L., P.O. Box 541, Golden, Colorado.
- DOSSE, A. F., Route 2, Box 66, F, Fontana, California.
- DRAEGER, R. H., Capt. (MC), U.S.N., Naval Medical Research Institute, Bethesda 14, Maryland.
- DRAGSDORF, R. DEAN, Dept. of Physics, Kansas State College, Manhattan, Kansas.
- DRAISIN, WILBURT M., 21 Parmenter Terrace, West Newton 65, Massachusetts.
- \*DREYER, ROBERT M., Dept. of Geology, University of Kansas, Lawrence, Kansas.
- DU CLOUX, MR., Netherlands Embassy, 117 Park Street, London W 1, England.
- DUERSMITH, L. J., 405 Poplar Street, Columbia, Pennsylvania.
- DUFFENDACK, O. S., Philips Laboratories, Inc., Irvington-on-Hudson, New York.

- DUHOVNIK, J. M., Dept. of Mineralogy, University, Ljubljana, Jugoslavia.  
 DUPLIN, V. J., JR., The Babcock & Wilcox Company, Alliance, Ohio.  
 DUPONT, JAMES M., Myersville Road, Chatham, New Jersey.  
 DUTRA, KLEBER DE ALMEIDA, Rua Gonclaves Dias, 1860, Belo Horizonte, Brazil.  
 DWORNIK, EDWARD J., 3611 62d Avenue, Landover, Maryland.
- EARHART, HELEN S., 820 Defoe Street, Missoula, Montana.  
 EARLEY, J. W., P.O. Drawer 2038, Pittsburgh 30, Pennsylvania.  
 \*EBBUTT, FRANK, 173 Glenrose Avenue, Toronto 5, Canada.  
 EBERLEIN, G. DONALD, Box 372, Los Gatos, California.  
 EBERT, HEINZ, Geologue, Avenida Pasteur 404, Commissao Nacional de Producao Mineral, Rio de Janeiro, Brazil.
- \*ECKEL, EDWIN B., U. S. Geological Survey, Denver Federal Center, Denver 14, Colorado.  
 \*ECKERMANN, HARRY VON, Edeby, Sparreholm, Sweden.  
 EDDY, C. N., National State Bank, Boulder, Colorado.  
 \*EDWARDS, AUSTIN BURTON, Geology Department, University of Melbourne, Melbourne, Australia.
- EHRMANN, MARTIN L., 617 North Roxbury Drive, Beverly Hills, California.  
 EISENBERG, MARVIN, Armour Research Foundation, Technology Center, Chicago 16, Illinois.
- \*EITEL, WILHELM H. J., P.O. Box 348, Norris, Tennessee.  
 ELDER, CURTIS H., 101 Westwood, Columbia, Missouri.  
 \*ELLESTAD, REUBEN B., 712 South Cedar Lake Road, Minneapolis, Maryland.  
 \*ELLSWORTH, H. V., Canada Geological Survey, Ottawa, Canada.  
 ELWELL, WILBUR J., 2 Duck Street, Danbury, Connecticut.  
 EMKE, HARVEY J., 200 Bulman Block, 218 Bannatyne Avenue, Winnipeg, Manitoba, Canada.
- EMMONS, RICHARD C., Science Hall, University of Wisconsin, Madison, Wisconsin.  
 \*ENGEL, ALBERT E. J., Dept. of Geology, California Institute of Technology, Pasadena 4, California.
- ENGEL, RENE, 711 South Fair Oaks Avenue, Pasadena 2, California.  
 ENLWS, HAROLD E., The University of Tulsa, Seventh and College, Tulsa 4, Oklahoma.  
 ERDMANN, CHARLES E., c/o U. S. Geological Survey, P.O. Box 1827, Great Falls, Montana.  
 ERNST, T., Mineralogisches Institut der Universität Erlangen, Schlossgarten 5, Erlangen, Germany.
- EVANOF, PHILIP, 1842 Butler Pike, Conshohocken, Pennsylvania.  
 \*EVANS, HOWARD T., JR., Philips Laboratories, Inc., Irvington-on-Hudson, New York.
- FACKLER, WILLIAM C., Route 3, Grimm Road, Newburgh, Indiana.  
 \*FAESSLER, CARL, Université Laval, Quebec, Canada.  
 \*FAHEY, JOSEPH J., U. S. Geological Survey, Washington 25, D. C.  
 FAICK, JOHN N., 825 North Second Avenue, Tucson, Arizona.  
 \*FAIRBAIRN, HAROLD W., Dept. of Geology, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.
- \*FANKUCHEN, I., Polytechnic Institute of Brooklyn, Brooklyn, New York.  
 FARWELL, FRED W., Box 328, Noroton, Connecticut.  
 \*FAUST, GEORGE T., 9907 Capitol View Avenue, Silver Spring, Maryland.  
 \*FERGUSON, R. B., Dept. of Geology, University of Manitoba, Winnipeg, Canada.  
 \*FETTKE, CHARLES R., 1118 Wightman Street, Squirrel Hill Station, Pittsburgh, Pennsylvania.

- FILER, ALVIN V., JR., 1408 5th Avenue West, Bush Hills, Birmingham, Alabama.
- FINCH, JAMES, Dominion Laboratory, Sydney Street W., Wellington N. 1, New Zealand.
- FINLAY, G. R., c/o Norton Company, Chippawa, Ontario, Canada.
- FINNEGAN, MICHAEL J., Box 289, St. Francis, Kansas.
- \*FISHER, D. JEROME, Dept. of Geology, University of Chicago, Chicago 37, Illinois.
- FISHER, ROBERT B., 1107 Rolla Street, Rolla, Missouri.
- FISK, HENRY G, University of Wyoming, Laramie, Wyoming.
- FLACK, WYLIE H., 333 Borbeck Street, Philadelphia 11, Pennsylvania.
- FLAGG, A. L., Box 2345, Phoenix, Arizona.
- FLEENER, F. L., 1415 Hosmer Street, Joliet, Illinois.
- FLEISCHER, ARTHUR, Box 349, Easthampton, Massachusetts.
- \*FLEISCHER, MICHAEL, U. S. Geological Survey, Washington 25, D. C.
- \*FORD, HUGH ALEXANDER, 736 Riverside Drive, Apt. 6-C, New York 31, New York.
- FORMAN, S. A., Ceramic Section, Mines Branch, Ottawa, Canada.
- \*FOSHAG, WILLIAM F., U. S. National Museum, Washington, D. C.
- FOSTER, MARGARET D., U. S. Geological Survey, Washington 25, D. C.
- FOSTER, PHILIP C., R.D. 1, South Berwick, Maine.
- FOSTER, WILDER D., R.D. 1, Box 377, Verona, Pennsylvania.
- \*FOSTER, WILFRID RAYMOND, Champion Spark Plug Company, 8525 Butler Avenue, Detroit 11, Michigan.
- FOX, PORTLAND P., Caixa Postal 8026, Sao Paula Tramway Light & Power Company, Ltd., Sao Paulo, Brazil.
- \*FRANCO, RUI RIBEIRO, University of Sao Paulo, Sao Paulo, Brazil.
- \*FRASER, DONALD MCCOY, Geological Department, Bethlehem Steel Company, Bethlehem, Pennsylvania.
- \*FRASER, HORACE J., 261 Dawlish Avenue, Toronto, Ontario, Canada.
- FRÉCHETTE, V. D., New York State College of Ceramics, Alfred, New York.
- FREED, OLYN, 509 Evans Avenue, Reno, Nevada.
- FREEZE, ARTHUR C., Consolidated Mining and Smelting Company, Kimberley, British Columbia, Canada.
- FRENCH, IRWIN H., Danforth, Maine.
- FRETZ, A. HENRY, 42 West Market Street, Bethlehem, Pennsylvania.
- FRIES, CARL JR., U. S. Geological Survey, Washington 25, D. C.
- FRIMEL, HOBART F., 32236 Annapolis Avenue, Wayne, Michigan.
- \*FRONDEL, CLIFFORD, 12 Geological Museum, Oxford Street, Cambridge 38, Massachusetts.
- FRUEH, ALFRED J., JR., Dept. of Geology, University of Chicago, Chicago 37, Illinois.
- \*FULLER, RICHARD E., 1642 Federal Avenue, Seattle, Washington.
- FUMI, FAUSTO, Institute of Theoretical Physics, University of Milan, Milan, Italy.
- FUOG, H. L., 4149 Barrett Road, Los Angeles 32, California.
- \*FURNIVAL, GEORGE M., c/o The California Standard Company, 200 Greyhound Building, Calgary, Alberta, Canada.
- \*GABRIEL, ALTON, U. S. Bureau of Mines, Norris, Tennessee.
- \*GALBRAITH, F. W., Dept. of Geology, University of Arizona, Tucson, Arizona.
- \*GALLAGHER, DAVID, U. S. Geological Survey, Joplin, Missouri.
- GALLITELLI, PAOLO, Istituto Mineralogia della Università, Modena, Italy.
- GALLONI, ING. ERNESTO, Yerbal 1763, Buenos Aires, Argentina.
- \*GARRIDO, J., Lagasca 123, Madrid, Spain.
- GATES, ROBERT M., Science Hall, Madison, Wisconsin.



- \*GAUDIN, A. M., Room 8-211, Massachusetts Institute of Technology, Cambridge 39, Massachusetts.
- GAULT, H. RICHARD, Dept. of Geology, Lehigh University, Bethlehem, Pennsylvania.
- GAYWOOD, ROGER M., U. S. Atomic Energy Commission, P.O. Box 81, Marysvale, Utah.
- GEORGALAS, GEORGE C., 39A Pipinou Street, Athens, Greece.
- GEORGE, D'ARCY R., 272 Lexington Street, Watertown, Massachusetts.
- GERBOLINI, JUAN F., Box 233, Lima, Peru.
- \*GIANELLA, VINCENT P., Mackay School of Mines, Reno, Nevada.
- GIFFORD, JAMES C., 521 East Virginia Street, Tucson, Arizona.
- GILLESPIE, T. B., Star Route, St. Augustine, Florida.
- GILLINGHAM, THOMAS E., 23 Welshman Court, Caldwell, New Jersey.
- \*GILLSON, JOSEPH L., 8058 DuPont Building, Wilmington, Delaware.
- \*GILLULY, JAMES, U. S. Geological Survey, Denver Federal Center, Denver 14, Colorado.
- GIRAULT, J. P., 16, St. Denis Avenue, Quebec City, Quebec, Canada.
- GIRHARD, M. NANCY, U. S. Geological Survey, Geochemistry & Petrology, Washington 25, D. C.
- GIVENS, DAVID B., 3417 Monte Vista, Albuquerque, New Mexico.
- GLASS, HERBERT D., Illinois State Geological Survey, Urbana, Illinois.
- \*GLASS, JEWELL, J., U. S. Geological Survey, Washington 25, D. C.
- GODAT, E. A., Apartado 251, Monterrey, Mexico, c/o Cia. Minera de Penoles.
- \*GODDARD, EDWIN N., Dept. of Geology, University of Michigan, Ann Arbor, Michigan.
- \*GOLDICH, SAMUEL S., Dept. of Geology, University of Minnesota, Minneapolis 14, Minnesota.
- \*GOLDSMITH, J. R., Dept. of Geology, University of Chicago, Chicago 37, Illinois.
- \*GONZÁLEZ-BONORINA, FÉLIX, Julian Alvarez 2430, Buenos Aires, Argentina, South America.
- \*GOODSPEED, GEORGE E., Dept. of Geology, University of Washington, Seattle, Washington.
- \*GORDON, SAMUEL G., 4168 Trinity Drive, Los Alamos, New Mexico.
- GORING, ARTHUR W., Box 183, Ruth, Nevada.
- GORMAN, D. H., 245 Sammon Avenue, Toronto, Canada.
- GOUDEY, HATFIELD, Box 401, Yerington, Nevada.
- GRACE, MARVIN, 8162 Ogden Street, Houston, Texas.
- GRAHAM, A. R., 1851 Yonge Street, Toronto, Ontario, Canada.
- \*GRAHAM, R. P. D., McGill University, Montreal, Canada.
- GRAHL, HARRY, 885 Cauldwell Avenue, Bronx, New York.
- \*GRATON, LOUIS C., Vanserg Laboratories, Cambridge 38, Massachusetts.
- \*GRAW, OLIVER R., Dept. of Geology, Missouri School of Mines, Rolla, Missouri.
- GREEN, ROBERT S., 2501 Onondaga Drive, Columbus 12, Ohio.
- GREENE, KENNETH T., 746 Gaylord Street, Denver 6, Colorado.
- GREGORY, ROBERT F., 10892½ Strathmore Drive, Los Angeles 24, California.
- GREGORY, W. A., JR., 59 First Street, New Britain, Connecticut.
- \*GREIG, JOSEPH W., Geophysical Laboratory, 2801 Upton Street, N.W., Washington 8, D.C.
- GRIFFITHS, JOHN CEDRIC, Dept. of Earth Sciences, Pennsylvania State College, State College, Pennsylvania.
- GRIFFITHS, WALLACE R., P.O. Box 236, Shelby, North Carolina.
- GRIGGS, ROY L., U. S. Geological Survey, P.O. Box 443, Albuquerque, New Mexico.
- \*GRIM, RALPH E., 234 Natural History Building, University of Illinois, Urbana, Illinois.
- GROGAN, ROBERT M., Room 8058, DuPont Building, Wilmington, Delaware.

- GROSS, EUGENE B., 755 15th Street, Boulder, Colorado.  
GROSSMAN, IRVING G., Box 590, U. S. Geological Survey, Albany, New York.  
\*GROUT, FRANK F., Dept. of Geology, University of Minnesota, Minneapolis, Minnesota.  
GRUEY, MERLE N., 189 Vine, Geneva, Ohio.  
\*GRUNER, JOHN W., Dept. of Geology, University of Minnesota, Minneapolis, Minnesota.  
GRUNIG, J. K., Mineral Deposits Branch, U. S. Geological Survey, Washington 25, D. C.  
GUDE, ARTHUR JAMES, III, Box 374, Golden, Colorado.  
GUILLEMIN, M., 265 rue Lecourbe, Paris 15, France.  
GUIMARAES, DJALMA, Rua Goncalves Dias, 3182, Belo Horizonte, Brazil.  
\*GUMMER, WILFRID K., 815 Fifth Street, Arvida, Quebec, Canada.  
GUNNELL, E. M., 3365 East Kentucky Avenue, Denver, Colorado.  
GUSH, MRS. I. N., Box 1167, Johannesburg, South Africa.  
\*GYSIN, M. E., Laboratoire de Minéralogie de l'Université, Quai de l'Ecole-de-Médecin, Genève, Switzerland.
- HADDOCK, WILLIAM J., 7700 Boeing Avenue, Los Angeles 45, California.  
HAECKER, A. J., JR., Georgia Kaolin Company, 1185 Nary Street, Elizabeth, New Jersey.  
\*HAFF, JOHN C., Dept. of Geology, Mount Holyoke College, South Hadley, Massachusetts.  
HAGNER, ARTHUR F., Dept. of Geology, University of Illinois, Urbana, Illinois.  
HALBOUTY, M. T., Suite 729-32, Shell Building, Houston 2, Texas.  
HALEY, ED, Box 397, Buena Vista, Colorado.  
HALL, F. P., 206 Granger Road, Syracuse 9, New York.  
\*HALLIMOND, ARTHUR FRANCIS, Geological Survey and Museum, Exhibition Road, South Kensington, London, S.W. 7, England.  
HALLINAN, JOHN M., Dept. of Geology, University of Sydney, New South Wales, Australia.
- HALLOWELL, HORACE J., 323 Main Street, Danbury, Connecticut.  
HALSEY, J. H., Bacon Hill, University of California, Berkeley, California.  
HAM, WILLIAM EUGENE, State Geological Survey, Norman, Oklahoma.  
HANLEY, JOHN B., Section of Non-metalliferous Geology, U. S. Geological Survey, Washington 25, D. C.
- \*HARCOURT, GEORGE ALAN, Copper Cliff, Ontario, Canada.  
HARDY, JOHN A., RFD 1, Salisbury, Connecticut.  
HARRAR, J. G., The Rockefeller Foundation, Calle de Londres 45, Mexico, D.F., Mexico.  
HARTMAN, ROBERT F., 1107 16th Street, Golden, Colorado.  
HASSAN, N., Room 120, Soils Division, Hilgard Hall, University of California, Berkeley 4, California.
- \*HATCH, ROBERT A., U. S. Bureau of Mines, Norris, Tennessee.  
\*HAWKINS, A. C., 826 First Place, Plainfield, New Jersey.  
HAWLEY, F. G., 1624 E. Fifth Street, Tucson, Arizona.  
\*HAWLEY, JAMES E., Dept. of Mineralogy, Queen's University, Kingston, Ontario, Canada.  
\*HAYCOCK, MAURICE HALL, 525 Broadview Avenue, Ottawa, Canada.  
HAYES, JULIAN LEE, P.O. Box 751, Park City, Utah.  
HAYES, JUNIUS J., 1148 East 1st S., Salt Lake City 2, Utah.  
HEARN, JANE K., 39 DeKalb Place, Morristown, New Jersey.  
HEARNE, L. F., Box 589, Wheeling, West Virginia.  
HEINEMAN, ROBERT E. S., 20 Calle Conquista, Arizona.  
HEINICKE, KURT J., P.O. Box 2872, Hollywood, Florida.  
\*HEINRICH, E. WM., Mineralogical Laboratory, University of Michigan, Ann Arbor, Michigan.
- HENDERSON, DONALD M., Dept. of Geology, University of Illinois, Urbana, Illinois.

- \*HENDERSON, EDWARD P., U. S. National Museum, Washington, D. C.
- \*HENDRICKS, STERLING B., 1118 Dale Drive, Silver Spring, Maryland.
- HENRY, NORMAN F. M., Dept. of Mineralogy and Petrology, University of Cambridge, Downing Street, Cambridge, England.
- HENTSCHEL, H. W., DeKalb Pike, Washington Square, RD3, Norristown, Pennsylvania.
- HERZ, NORMAN, American School of Classical Studies, 54 Souidias Street, Athens, Greece.
- HERZENBERG, ROBERT, Casilla 23, Oruro, Bolivia, South America.
- \*HESS, FRANK L., 5509 Roosevelt Street, Bethesda 14, Maryland.
- HESS, HAROLD D., 759 Monroe, Corvallis, Oregon.
- \*HESS, HARRY H., Dept. of Geology, Princeton University, Princeton, New Jersey.
- \*HEWETT, DONNELL F., 1460 Rose Villa Street, Pasadena, California.
- HEWITT, D. F., 1195 Avenue Road, Toronto, Ontario, Canada.
- HEYL, ALLEN V., JR., Apt. 102, 8218 14th Avenue, Hyattsville, Maryland.
- \*HEYL, GEORGE R., Apartado 889, Creole Petroleum Corporation, Caracas, Venezuela, South America.
- HIETANEN-MAKELA, ANNA, U. S. Geological Survey, Washington 25, D. C.
- HGAZY, RIAD A, Grant Institute of Geology, Kings Building, University of Edinburgh, Edinburgh, Scotland.
- HILDEBRAND, FRED A., 7916 15th Street, Apt. 102, Hyattsville, Maryland.
- HILL, H. STANTON, Geology Department, Pasadena City College, Pasadena 4, California.
- HILL, V. D., Route 7, Box 188, Wooster, Ohio.
- HILL, V. G., Reynolds Jamaica Mines, Lydford P10, St. Ann, Jamaica, British West Indies.
- HILL, WILLIAM L., 321 Ingraham Street, N.W., Washington 11, D. C.
- HILLS, RALPH L., 18 Greenwood Avenue, Hartford 12, Connecticut.
- HILMY, MOHAMMED E., 415 Church Street, Ann Arbor, Michigan.
- HINCKLEY, ARTHUR T., 937 Harrison Avenue, Niagara Falls, New York.
- HINSEY, GEORGE H., 511 29 Street, Sacramento 16, California.
- Ho, T. L., Dept. of Geology, National University of Shantung, Tsingtao, China.
- \*HODGE, EDWIN T., 2915 Luray Terrace, N.W., Portland, Oregon.
- \*HOLDEN, GUERDON S., Plain Dealer Building, Cleveland, Ohio.
- HOLLEY, KENNETH E., 113 Pritchard Avenue, Corning, New York.
- \*HOLMES, ARTHUR, University of Edinburgh, Grant Institute of Geology, King's Buildings, West Mains Road, Edinburgh 9, Scotland.
- HOLMES, MRS. M. A., 1 West 72 Street, New York 23, New York.
- \*HOLMES, RALPH J., Dept. of Geology, Columbia University, New York 27, New York.
- HOLSER, WILLIAM T., Dept. of Geology, McGraw Hall, Cornell University, Ithaca, New York.
- HOOKE, MARJORIE, Ingleside Avenue, McLean, Virginia.
- HOPKINS, MRS. JOAN PREWITT, RFD 5, Box 334-B, Franconia, Virginia.
- HORN, AUBREY E., c/o F. H. Pigeon, P.O. Box 42, Jos, Plateau Province, Northern Nigeria.
- HOROVITZ, TH., 45 Avenue Sidi Gaber, Cleopatra les Bains, Ramleh, Alexandria, Egypt.
- HOWELLS, LEWIS W., Orefield, RFD #1, Pennsylvania.
- \*HOWLAND, ARTHUR L., Dept. of Geology, Northwestern University, Evanston, Illinois.
- HOYT, LESTER H., 1604 North Capitol Avenue, Indianapolis 7, Indiana.
- HUBBARD, BELA, 1405 E. Kleindale Road, Tucson, Arizona.
- HUFNAGEL, ALVIN A., 1150 Carroll Street, Brooklyn 25, New York.
- HUGILL, WILLIAM, Langham House, Fields Road, Alsager, Cheshire, England.
- HUMMEL, FLOYD A., The Pennsylvania State College, Dept. of Mineral Technology, State College, Pennsylvania.

- \*HUNT, WALTER F., Mineralogical Laboratory, University of Michigan, Ann Arbor, Michigan.
- \*HURLBUT, C. S., JR., Dept. of Mineralogy, Harvard University, Cambridge 38, Massachusetts.
- HURLEY, DONALD, 16 Lewis Street, Little Falls, New York.
- HURST, THOMAS L., Monsanto Chemical Company, Columbia, Tennessee.
- \*HUTTON, C. OSBORNE, Dept. of Mineral Sciences, Stanford University, Palo Alto, California.
- ICHIMURU, TAKESHI, Institute of Earth Science, Tokyo University, Komaba, Meguro-ku, Tokyo, Japan.
- \*INGERSON, EARL, U. S. Geological Survey, Washington 25, D. C.
- INGRAM, W. F., P.O. Box 23, 433 West Taylor Street, Griffin, Georgia.
- \*INSLEY, HERBERT, National Bureau of Standards, Washington 25, D. C.
- IRVING, EARL M., U. S. Geological Survey, c/o American Embassy, Manila, Philippines, APO 736, c/o Postmaster, San Francisco, California.
- IRWIN, WILLIAM H., 215 East 19 Avenue, Denver 5, Colorado.
- ISHIOKA, KOKICHI, Nagoya University at Misuho, Nagoya, Japan.
- ISOTOFF, A., Dept. of Geology, Idaho State College, Pocatello, Idaho.
- IYER, L. A. N., Patna University, Bankipore P.O., Patna, India.
- JACKSON, KERN C., Geology Department, New Engineering Building, University of Maine, Orono, Maine.
- JACKSON, M. L., Room 104B, Soils Building, University of Wisconsin, Madison 6, Wisconsin.
- \*JACOBS, ELBRIDGE C., 146 Williams Street, Burlington, Vermont.
- JACOBS, LOUIS J., The Obermayer Company, 2563 W. 18th Street, Chicago 8, Illinois.
- JAFFE, ARTHUR, 3212 W. Dauphin Street, Philadelphia, Pennsylvania.
- \*JAFFE, HOWARD W., 7902 14th Avenue, Hyattsville, Maryland.
- \*JAHNS, RICHARD H., Division of Geological Sciences, California Institute of Technology, Pasadena 4, California.
- JAMES, C. C., Burford, Alexandra Place, Penzance, Cornwall, England.
- \*JAMES, HAROLD L., U. S. Geological Survey, Box 15, Iron River, Michigan.
- JANUZZI, RONALD EVERETT, 83 Elm Street, Danbury, Connecticut.
- JARRELL, OSCAR W., 149 Broadway, New York 6, New York.
- \*JEFFRIES, CHARLES D., Dept. of Agronomy, Agricultural Building, State College, Pennsylvania.
- JENSEN, DAVID E., 199 East Brook Road, Pittsford, New York.
- JESSEMAN, DONALD S., 186 Hillside Road, Oak Ridge, Tennessee.
- JIZBA, ZDENEK V., 831 West Dayton, Madison, Wisconsin.
- JOHNE, C. T., Kragerö, Norway.
- JOHNS, WILLIAM D., 9 Natural Resources Building, University of Illinois, Urbana, Illinois.
- JOHNSON, CLAYTON H., 102 Swallow Hall, Columbia, Missouri.
- JOHNSON, MRS. HELENA, Johnson Hall, David Lipscomb College, Nashville 4, Tennessee.
- \*JOHNSON, J. Harlan, Colorado School of Mines, Golden, Colorado.
- \*JOHNSON, RICHARD, 9 Wicker Street, Ticonderoga, New York.
- JOHNSON, ROBERT F., 2575 Virginia Street, Berkeley 9, California.
- JOHNSON, SARAH C., 1424 Somerset Place, N.W., Apt. 1, Washington, D. C.
- JOHNSON, W. M., RFD 6, Knoxville, Tennessee.
- \*JOHNSTON, R. A. A., 112 Old Forest Hill Road, Toronto 10, Ontario, Canada.
- JOHNSTON, W. G., Elk Lake, Ontario, Canada.

- \*JOHNSTON, WILLIAM D., JR., U. S. Geological Survey, Washington 25, D. C.
- \*JOLLIFFE, ALFRED W., Dept. of Geology, Queens University, Kingston, Ontario, Canada.
- JONES, GARDNER H., 8 Hill Street, Lakeport, New Hampshire.
- JONES, W. R., School of Mines, Dept. of Geology, Kalgoorlie, Western Australia.
- KADEY, FREDERIC L., JR., 181 Mercer Street, Apt. 7A, Somerville, New Jersey.
- KAIMAN, S., 552 Booth Street, Ottawa, Canada.
- KALEY, MARY ELIZABETH, California Research Corporation, Box 543, Whittier, California.
- KARAGEORGE, ELISSEOS D., Myriophitou Street 5, New Smyrna, Athens, Greece.
- KARRER, SEBASTIAN, c/o Milwaukee Gas Specialty Company, 730 N. Jackson Street, Milwaukee, Wisconsin.
- KASEY, J. BRYANT, Box 968, Bakersfield, California.
- KASPAR, JAN VHOPKACH 13, Praha 13, Czechoslovakia.
- KAUFFMAN, A. J. JR., 3119 Homewood Parkway, Kensington, Maryland.
- KAZAZIAN, AVEDIA M., Casilla No. 240, Antofagasta, Chile.
- KEDESZY, H. H., 65 Little Silver Parkway, Little Silver, New Jersey.
- \*KEEVIL, NORMAN BELL, 11 Jordan Street, Toronto, Ontario, Canada.
- \*KEITH, MACKENZIE L., 204 Mineral Science Building, State College, Pennsylvania.
- \*KELLER, WALTER D., 208 Swallow Hall, Columbia, Missouri.
- \*KELLEY, WALTER P., 120 Hilgard Hall, University of California, Berkeley 4, California.
- KEMP, C. E., Sault Ste. Marie Branch, Michigan College of Mining & Technology, Sault St. Marie, Michigan.
- \*KENNEDY, GEORGE C., Geological Museum, Harvard University, Cambridge 38, Massachusetts.
- \*KENNEDY, WILLIAM Q., Dept. of Geology, University of Leeds, Leeds 2, England.
- KEOUGH, M., P.O. Box 44, Que Que, Southern Rhodesia.
- \*KERR, PAUL F., Dept. of Geology, Columbia University, New York 27, New York.
- KESSLER, CHARLES N., No. 3 Berg Apts., Helena, Montana.
- KIDWELL, ALBERT L., Carter Oil Company, P.O. Box 801, Tulsa, Oklahoma.
- KJENREICH, JOS. A., Sackstrasse 6, Graz, Austria.
- KIETZ, ADOLPH, Box 1150, RFD 1, Bellevue, Washington.
- KING, MYRLE E., 3640 Glencoe, Denver, Colorado.
- KINSOLVING, MAY RISCH, 138 West 91st Street, New York, New York.
- KIRKPATRICK, ALAN F., 150 Courtland Hill Street, Stamford, Connecticut.
- KISSILEFF, M. Z., 1340 Kerper Street, Philadelphia 11, Pennsylvania.
- \*KLEIN, ALBERT A., Norton Company, Worcester, Massachusetts.
- KLEIN, GILBERT E., 105 West Geneva Lane, Oak Ridge, Tennessee.
- KLEIN, IRA E., c/o Geology Division, Bureau of Reclamation, Sacramento, California.
- KNABE, WILLIAM C., 3853 North Gratz Street, Philadelphia, Pennsylvania.
- KNIZEK, J. O., P.O. Box 2739, Mexico DF, Mexico.
- \*KNOPF, ADOLPH, Dept. of Geology, Stanford University, Stanford, California.
- KNUTSON, CARROLL F., Box 321, Ponca City, Oklahoma.
- KOEBEL, CHARLES J., 9456 Grinnell Street, Detroit 13, Michigan.
- KONTA, JIRI, Petrology Department, Charles University, Prague, Czechoslovakia.
- KONYVKERESKEDES, KILIAN, Budapest IV, Haris Koz 2, Hungary.
- \*KOSCHMANN, A. H., Room 230, New Customhouse, Denver 2, Colorado.
- KOUCKY, FRANK, 5847 Cottage Grove, Chicago 37, Illinois.
- \*KRAUS, EDWARD H., Mineralogical Laboratory, University of Michigan, Ann Arbor, Michigan.

- KRISHNAMURTHY, ESQ., c/o Plaza Theatre, South Parade, Bangalore 1, India.
- \*KRISHNAN, MAHARAJAPURAM SITARAM, 27 Chowringhee, Calcutta, India.
- \*KRYNINE, PAUL D., Pennsylvania State College, State College, Pennsylvania.
- KUENSTLER, WALTER E., 410 Lafayette Avenue, Cliffside Park 8, New Jersey.
- KULL, SRTA. V., Perú 562, Buenos Aires, Argentina.
- \*KULP, J. LAURENCE, Dept. of Geology, Columbia University, New York 27, New York.
- KUNZE, GEORGE, Dept. of Agronomy, Pennsylvania State College, State College, Pennsylvania.
- KURBATOV, JOANN D., Dept. of Physics, Ohio State University, Columbus, Ohio.
- KUTINA, JAN, Mineralogical Institute, Charles University, Albertov 6, Praha II, Czechoslovakia.
- LACY, WILLARD C., La Oroya, Peru.
- LADOO, RAYMOND B., 42 Huntington Road, Newton 58, Massachusetts.
- \*LANDES, KENNETH K., Geology Department, University of Michigan, Ann Arbor, Michigan.
- LANG, ANDREW J., JR., Dept. of Geology, University of Wichita, Wichita 6, Kansas.
- LANGFORD, LAWRENCE, 610 South Quivas Street, Denver 19, Colorado.
- \*LARSEN, ESPER S., JR., Apt. 502-H, 3930 Connecticut Avenue, N.W., Washington 8, D. C.
- \*LARSEN, ESPER S., III, 7108 Radnor Road, Bethesda 14, Maryland.
- LAUNDER, WILLIAM C., 54 Watson Road, Belmont 78, Massachusetts.
- \*LAUSEN, CARL, 504 East Fesler Street, Santa Maria, California.
- LARKIN, ROBERT G., 649 Bienvenida Avenue, Pacific Palisades, California.
- LAWRENCE, EDMOND F., P.O. Box 551, Torrance, California.
- \*LEE, HARLEY C., Basic Refractories, Inc., 845 Hanna Building, Cleveland 5, Ohio.
- \*LEE, O. IVAN, 2684 Boulevard, Jersey City 6, New Jersey.
- LEE, STEPHEN B., 1801 Hood, Wichita 3, Kansas.
- LEECE, ARTHUR, 11400 Arden Avenue, Plymouth, Michigan.
- LEFOND, STANLEY, 197 Prospect Avenue, Buffalo, New York.
- LEHN, JOSEPH W., 6 Fort William Drive, Alexandria, Virginia.
- LEITH, CARLTON J., 310 South Ward, Compton, California.
- \*LEMMON, DWIGHT M., U. S. Geological Survey, Washington 25, D. C.
- LEONARD, BENJAMIN F., U. S. Geological Survey, Box 7618, Lakewood Branch, Denver 15, Colorado.
- LEONARD, W. W., 589 Unadilla Street, Shreveport, Louisiana.
- LETORT, YVES, 3, Avenue Paul Doumer, Paris 16, France.
- LEVIN, S. BENEDICT, 50 Crest Drive, Little Silver, New Jersey.
- LINCOLN, EARLE R., Holberg, British Columbia, Canada.
- \*LINDBERG, MRS. MARIE LOUISE, U. S. Geological Survey, Washington 25, D. C.
- LINDHE, HENRY E., P.O. Box #130, Austin 2, Texas.
- LINVILLE, P. E., 2017 Taft Avenue, Hollywood 28, California.
- LIVINGSTON, JOHN J., Quarters 32, Fort Belvoir, Virginia.
- LOEWENSTEIN, WALTER, Rua Bento Pereira, 326 Casa 1, Sao Paulo, Brazil, South America.
- \*LONSDALE, JOHN T., Bureau of Economic Geology, University of Texas, Box B University Station, Austin 12, Texas.
- \*LONSDALE, KATHLEEN, University College, Gower Street, London W.C. 1, England.
- \*LOPEZ, VICTOR M., Apartado 3585, Caracas, Venezuela.
- LOTZ, CHARLES, 103 Grove Street, Meriden, Connecticut.

- \*LOUDBACK, GEORGE D., Dept. of Mineralogy, University of California, Berkeley 4, California.
- LOUPEKINE, I. S., Dept. of Geology, The University, Bristol 8, England.
- \*LOVERING, THOMAS S., 8001 West 17th Avenue, Lakewood, Colorado.
- LOWE, KURT E., 196 Rockaway Parkway, Brooklyn 12, New York.
- LOWE, W. ROSS, Sudbury Assay Office, 256 Oak Street, Sudbury, Ontario, Canada.
- LUCAS, ELMER L., 219 West Eufala Street, Norman, Oklahoma.
- \*LUKESH, JOSEPH STEVENS, 516 Riverside Avenue, Scotia, New York.
- LYDEN, EDWARD F. X., 51 East 702 Street, Shanks Village, Orangeburg, New York.
- LYONS, JOHN B., 7 Pleasant Street, West Lebanon, New Hampshire.
- \*MACDONALD, GORDON A., U. S. Geological Survey, Hawaiian Volcano Observatory, Hawaii National Park, T. H.
- MACKAY, RALPH E., 2923 East Harrison Street, Seattle 2, Washington.
- MACKENZIE, DAVID B., Geology Department, Princeton University, Princeton, New Jersey.
- MACKENZIE, G. S., Dept. of Geology, University of New Brunswick, Fredericton, N. B., Canada.
- MACKENZIE, WILLIAM SCOTT, Geophysical Laboratory, 2801 Upton Street, N.W., Washington 8, D. C.
- MACLACHLEN, J. C., Dept. of Geology, Princeton University, Princeton, New Jersey.
- MAGRI, R. J., JR., Corhart Refractories Company, 1600 W. Lee Street, Louisville 10, Kentucky.
- MANDARINO, JOSEPH A., 1034 North Keystone Avenue, Chicago 51, Illinois.
- \*MARBLE, JOHN P., 3221 Macomb Street, N.W., Washington 8, D. C.
- MARCIN, EDWARD J., 10314 97th Avenue, Ozone Park, New York.
- MARINOS, GEORGE, Aminandrou 31 Koukaki, Athenes, Greece.
- MARKMAN, HARVEY C., Curator of Geology, The Colorado Museum of Natural History, City Park, Denver 6, Colorado.
- MARKWARD, ELLEN, 302 Beverly Apts., Columbia, Missouri.
- \*MARSHALL, C. EDMUND, Dept. of Soils, College of Agriculture, University of Missouri, Columbia, Missouri.
- MARSHALL, E. M., Redding Ridge, West Redding, Connecticut.
- MARSHALL, SHADBURN, U. S. Steel Company Laboratory, 234 Atwood Street, Pittsburgh, Pennsylvania.
- \*MARTENS, JAMES H. C., Bureau of Mineral Research, Rutgers University, New Brunswick, New Jersey.
- MARTIN, E. B., Westbury, Long Island, New York.
- MARTIN, G. LOUIS, 104 West North Street, Sikeston, Missouri.
- \*MASON, BRIAN H., Dept. of Geology, Indiana University, Bloomington, Indiana.
- MASON, VINCENT I., 154 Beaumont Avenue, Newtonville 60, Massachusetts.
- MATEER, W. D., Geology Department, Colorado School of Mines, Golden, Colorado.
- MATHER, MRS. BRYANT, P.O. Drawer 2131, Jackson, Mississippi.
- MATHEWSON, HARRIS D., 357 "B" Obispo Street, Long Beach 14, California.
- MATTHEWS, FRED W., Canadian Industries, Ltd., Central Research Laboratory, Mc-Masterville, Quebec, Canada.
- MATTOX, RICHARD B., Box 37, Amelia, Ohio.
- MATZKO, JOHN J., 4208 Sheridan Street, Hyattsville, Maryland.
- \*MAUGIN, CHARLES, Laboratoire de Mineralogie de la Sorbonne, Paris 5, France.
- MAURICE, CHARLES S., 215 Cameron Avenue, Chapel Hill, North Carolina.

- MAWBY, M. A., Collins House, 360 Collins Street, Melbourne, Victoria, Australia.
- \*MAYNARD, JAMES E., Dept. of Mineralogy, Syracuse University, Syracuse, New York.
- MCANDREW, JOHN, Dept. of Geological Sciences, University of Toronto, Toronto 5, Canada.
- \*MCCAUGHEY, WILLIAM J., Lord Hall, Ohio State University, Columbus, Ohio.
- \*MCCONNELL, DUNCAN, Dept. of Mineralogy, Lord Hall, Ohio State University, Columbus 10, Ohio.
- MC CREERY, G. L., Technical Director, Ohio Brass Company, Box 11, Barberton, Ohio.
- MC CREERY, R. A., Agronomy Soils, State College of Washington, Pullman, Washington.
- MCINTOSH, ALEX O., Purvis Club, McMasterville, Quebec, Canada.
- \*MCKINSTRY, HUGH E., Vanserg Laboratories, Cambridge 38, Massachusetts.
- \*MCLAUGHLIN, DONALD H., 100 Bush Street, 26th Floor, San Francisco 4, California.
- MCLELLAN, ROY D., Research Department, American Smelting and Refining Company, Barber, New Jersey.
- \*MCVAY, THOMAS N., School of Chemistry, University of Alabama, University, Alabama.
- MEEK, WARD BENJAMIN, 1610 Carr Street, Lakewood, Denver, Colorado.
- \*MEEN, V. BEN, Royal Ontario Museum of Geology and Mineralogy, 100 Queen's Park, Toronto 5, Ontario, Canada.
- MEIXNER, HEINZ, Bergdirektion Hüttenberg, Post Knappenberg, Carinthia, Austria.
- MELLIS, OTTO, Stockholms Hogskolas Mineralogiska Institute, Kungstengatan 45, Stockholm, Sweden.
- MENCHER, ELY, c/o Socony-Vacuum Oil Company of Venezuela, Apartado 246, Caracas, Venezuela.
- MENDOZA, O. BACA, Box 286, Cuzco, Peru.
- MERGNER, JOHN L., 5519 Nevada Avenue, N.W., Washington, D. C.
- \*MERRITT, CLIFFORD A., University of Oklahoma, Norman, Oklahoma.
- MERRITT, PHILLIP L., 450 Clinton Avenue, Brooklyn 5, New York.
- \*MERTIE, JOHN B., JR., U. S. Geological Survey, Room 12, Building 213, Naval Gun Factory, Washington, D. C.
- \*MERWIN, HERBERT E., Geophysical Laboratory, 2801 Upton Street, N.W., Washington 8, D. C.
- MEYER, CHARLES, Box 597, Butte, Montana.
- MEYERS, T. R., Dept. of Geology, University of New Hampshire, Durham, New Hampshire.
- MICHELL BAWDEN, F. C., c/o Geology Department, New Consolidated Goldfields, Box 1167, Johannesburg, South Africa.
- \*MICHENER, CHARLES E., International Nickel Company of Canada, Ltd., Copper Cliff, Ontario, Canada.
- MICHENFELDER, FRANK, c/o Sun Oil Company, Beaumont, Texas.
- MIDGLEY, H. G., Building Research Station, Garston, Watford, Herts, England.
- \*MIELENZ, RICHARD C., Bureau of Reclamation, Customhouse, Denver 2, Colorado.
- MIKAMI, HARRY M., E. J. Lavino & Company, Box 29, Norristown, Pennsylvania.
- MILLER, CLARENCE E., Dept. of Geology & Geography, University of Rhode Island, Kingston, Rhode Island.
- MILLER, F. STUART, 49 Mendota Avenue, Rye, New York.
- MILLER, ROSWELL III, 9 Campbelton Circle, Princeton, New Jersey.
- \*MILLER, WILLIAM J., 436 West Willow Street, Stockton 19, California.
- \*MILTON, CHARLES, U. S. Geological Survey, Washington 25, D. C.
- \*MISER, HUGH D., U. S. Geological Survey, Washington 25, D. C.
- \*MONEYMAKER, BERLEN C., c/o T. V. A. Geologic Division, 620 Union Building, Knoxville, Tennessee.



- \*MONTGOMERY, ARTHUR, 277 Park Avenue, New York 17, New York.
- \*MOORE, ELWOOD S., University of Toronto, Toronto 5, Canada.
- MOORE, HENRY J., III, 1354 E. South Temple Street, Salt Lake City 2, Utah.
- MOORE, JOHN J., 133 Blue Hills Parkway, Milton, Massachusetts.
- MOORE, KENNETH P., 533 South Grant, Casper, Wyoming.
- MORGAN, LEONARD A., 217 South Atlantic Avenue, Haddonfield, New Jersey.
- MORLEY, RUSSELL A., 399 North 18 Street, Salem, Oregon.
- \*MORRIS, FREDERICK K., Arctic, Desert, Tropic Inf. Center, Air University Library, Maxwell AFB, Alabama.
- MORRISON, BERT C., 409 Orchard, Bayard, New Mexico.
- MORTOLA, DRA. EDELMIRE, Junin 1367, Piso 3, A, Buenos Aires, Argentina.
- MOYD, LOUIS, Minerals, Ltd., Bancroft, Ontario, Canada.
- MROSE, MARY E., 846 Highland Avenue, Medford, Massachusetts.
- MULLNER, HENRY C., 141 Ackerman Avenue, Clifton, New Jersey.
- \*MURATA, K. J., U. S. Geological Survey, Washington 25, D. C.
- \*MURDOCH, JOSEPH, University of California at Los Angeles, Los Angeles 24, California.
- MUROWCHICK, BERNARD L., 637 Sagamore Street, Lakeland, Florida.
- MURPHY, RICHARD, Newmont Mining Corporation of Canada, Room 1721, 5 King Street West, Toronto, Canada.
- MURRAY, ALBERT N., Dept. of Geology, University of Tulsa, Tulsa 4, Oklahoma.
- MURRAY, HAYDN H., Dept. of Geology, Indiana University, Bloomington, Indiana.
- MUTCH, A. D., 363 Ramsay Road, Sudbury, Ontario, Canada.
- MEYERS, ALFRED T., U. S. Geological Survey, Denver Federal Center, Denver 14, Colorado.
- \*NAGELSCHMIDT, GUNTER, Birtchtrees, Ninelands, Hathersage near Sheffield, England.
- NAIDU, P. R. J., Dept. of Geology, Central College, Bangalore, India.
- NAIR, K. V. KRISHNAN, Division of Mineral Survey & Research, University of Travancore, Trivandrum, India.
- NALLE, PETER B., 4443 Central Avenue, Riverside, California.
- NEIMAN, ROBERT, 505 E. Chestnut Street, Louisville 2, Kentucky.
- \*NEL, HANS JURIE, Dept. of Geology, University of Pretoria, Pretoria, South Africa.
- NELSON, HARRY E., 1020 West Silver Street, Butte, Montana.
- NEUERBURG, GEORGE J., 12615 Chandler Boulevard, North Hollywood, California.
- \*NEWHOUSE, WALTER H., Dept. of Geology, University of Chicago, Chicago, Illinois.
- NEWMAN, GEORGE H., Marsman & Company, P.O. Box 297, Manila, Philippine Islands.
- NIESET, CARL F., St. Joseph College, Collegeville, Indiana.
- NISSON, WILLIAM H., 815 D Street, Petaluma, California.
- \*NOBLE, JAMES A., California Institute of Technology, Pasadena 4, California.
- \*NOLAN, THOMAS B., U. S. Geological Survey, Washington 25, D. C.
- NORMART, JOSEPH J., 438 South 3rd Avenue, Tucson, Arizona.
- NORTHUP, ALLEN, 10 Godet Place, Morristown, New Jersey.
- NORTON, JAMES J., Mineral Deposits Branch, U. S. Geological Survey, Washington 25, D. C.
- \*NOWACKI, W., H. Sahlistr. 6, Min. Inst. Univ., Bern, Switzerland.
- \*NUFFIELD, EDWARD W., Dept. of Geological Sciences, University of Toronto, Toronto 5, Canada.
- NYGREEN, PAUL W., 5643 Brooklyn Avenue, Seattle 5, Washington.
- ODOM, W. R., Star Route A, Box 32-0, Austin, Texas.
- OKE, WILLIAM C., 9115 South Harvard Boulevard, Los Angeles 47, California.

- O'LEARY, W. J., 300 East 25 Street, Wilmington, Delaware.
- OLSON, J. C., U. S. Geological Survey, Denver Federal Center, Denver, Colorado.
- OMORI, KEI-ICHI, Institute of Mineralogy, Petrology and Economic Geology, Tohoku University, Katahiracho, Sendai, Japan.
- ONAY, TOGAN S., Iller Kooperatififi, Birinci Sokak 31, Akara, Turkey.
- OOTSUBO, YOSHIO, 10-22, Nishikata-machi, Bunkyo-ku, Tokyo, Japan.
- \*ORCEL, JEAN, Museum d'Histoire Naturelle, 61 Rue de Buffon, Paris V, France.
- ORTEGA, FRANCISCO BARROSO, Lab. No. 2 de Mineralogie, Facultad de Ciencias, Universidad de la Habana, La Habana, Cuba.
- OSBERG, PHILIP H., Division of Geology, Pennsylvania State College, State College, Pennsylvania.
- \*OSBORN, ELBURT FRANKLIN, Dept. of Earth Sciences, School of Mineral Industries, Pennsylvania State College, State College, Pennsylvania.
- OTTSEN, LAURINE, Filderstr. 82, Moers, Niederrh., Germany.
- OVER, EDWIN, c/o R.L. Chadbourne, 320 East Uintah, Colorado Springs, Colorado.
- \*PABST, ADOLF, Dept. of Geology, University of California, Berkeley 4, California.
- PACLT, J., Lamacaka cesta 5, Bratislava 9, Czechoslovakia.
- PAGE, JAMES J., RFD 2, Pike, New Hampshire.
- \*PAGE, LINCOLN R., 2217 Brentwood Street, Lakewood, Denver 15, Colorado.
- \*PALACHE, CHARLES, 106 Appleton Street, Cambridge 38, Massachusetts.
- \*PARK, CHARLES FREDERICK, JR., Dept. of Geology, Stanford University, California.
- \*PARKER, ROBERT L., Technische Hochschule, Sonneggstrasse 5, Zürich 6, Switzerland.
- PARNAU, JOHN L., 1342 North Lincoln Street, Stockton, California.
- \*PARRISH, WILLIAM, Philips Laboratories, Inc., Irvington-on-Hudson, New York.
- \*PARSONS, ARTHUR L., Royal Ontario Museum of Mineralogy, 100 Queen's Park, Toronto 5, Ontario, Canada.
- \*PARSONS, WILLARD HALL, Dept. of Geology, Wayne University, Detroit 1, Michigan.
- PASK, JOSEPH A., Division of Mineral Technology, University of California, Berkeley 4, California.
- \*PATTERSON, A. L., Institute for Cancer Research, Fox Chase, Philadelphia 11, Pennsylvania.
- PATTERSON, C. MEADE, 382 Woodland Avenue, Oakmont, Pennsylvania.
- PEARCE, D. W., 1814 Hunt, Richland, Washington.
- PEARL, RICHARD M., Colorado College, Colorado Springs, Colorado.
- PECKHAM, BOB, 132 Bartlett Avenue, Woodland, California.
- \*PECORA, WILLIAM T., U. S. Geological Survey, Washington 25, D. C.
- \*PEGAU, ARTHUR A., 1808 Winston Avenue, Charlottesville, Virginia.
- PELTO, CHESTER R., MRD Laboratory, Corps of Engineers, 18th & Howard Streets, Omaha 2, Nebraska.
- PENDLETON, NORMAN H., 11 Pryce Street, Santa Cruz, California.
- \*PEOPLES, JOE WEBB, Dept. of Geology, Wesleyan University, Middletown, Connecticut.
- \*PEPINSKY, RAYMOND, Research Professor of Physics, Pennsylvania State College, State College, Pennsylvania.
- PERTERA, MOACIR D., Rua Theofilo Otoni, 15 7and, s/712, Rio de Janeiro, Brazil.
- PERLOFF, LOUIS, 1831 Nissen Building, Winston-Salem, North Carolina.
- PERRY, ELWYN L., Dept. of Geology, Williams College, Williamstown, Massachusetts.
- PERUSEK, CYRIL J., 24-5 W. Cuthbert, Midland, Texas.
- PETERSON, NELS P., Box 1211, Globe, Arizona.
- PETRETIC, GEORGE J., 212 Penfield Place, Dunellen, New Jersey.
- PHAIR, GEORGE, 2230 Savannah Terrace, S.E., Apt. 33, Washington 20, D. C.

- \*PHEMISTER, T. C., Dept. of Geology and Mineralogy, University of Aberdeen, Marischal College, Aberdeen, Scotland.
- PHILBROOK, MRS. P. M., P.O. Box 184, Sacramento 1, California.
- PHOENIX, ROBERT, 103 Sharpe Avenue, Toronto 13, Canada.
- PINSON, WILLIAM H., JR., 252 Westgate West, Cambridge 39, Massachusetts.
- PITHA, CARL A., Dept. of Chemistry, Northwestern University, Evanston, Illinois.
- PIZARRO, CARLOS JILES, Casilla 23, Ocalte, Chile, South America.
- PLATT, PHILIP L., 74 Beacon Hill Road, Port Washington, New York.
- PLUMMER, WAYNE L., 607 East 23 Street, Hibbing, Minnesota.
- POCOVI, ANTONIO, Rivadavia 3567, Santa Fe, Argentina.
- POESTKOKE, J. FRED, 926 East 2, Casper, Wyoming.
- POIRE, INNA V., U. S. Geological Survey, FWA Building, Room 1228, Washington 25, D. C.
- \*POLDERVAART, ARIE, Geological Survey, Lobatsi, Bechuanaland Protectorate, S. A.
- POOLE, S. W., 1346 22 Street N.W., Canton 3, Ohio.
- POOLE, W. E., 127 Alabama Street, Spartanburg, South Carolina.
- PORTER, PERCY WATERMAN, Box 122, Cave Creek, Arizona.
- \*POSTEL, A. WILLIAMS, 35 Farragut Avenue, Kensington, Maryland.
- \*POUGH, FREDERICK H., American Museum of Natural History, 77th Street and Central Park West, New York 24, New York.
- PRATHER, ROBERT W., Dept. of Physics, Oregon State College, Corvallis, Oregon.
- PRESGRAVE, Cyril, Gwynedd Valley, Pennsylvania.
- PRICE, WALTER E., JR., 7388 Goodwood Avenue, Baton Rouge, Louisiana.
- \*PRIDER, REX T., Dept. of Geology, University of Western Australia, Nedlands, Western Australia.
- PRIEN, EDWIN L., 1101 Beacon Street, Brookline 46, Massachusetts.
- PRUCHA, JOHN JAMES, 17 Warren Street, McKnownville, Albany 3, New York.
- PUIG, JOSEPH A., 7214 Sixth Avenue, Brooklyn 9, New York.
- \*QUENSEL, PERCY D., Stockholms Högskola, Stockholm, Sweden.
- QUEST, H. J. M., Box 54, Klerksdorp, Transvaal, South Africa.
- \*QUINN, ALONZO W., Dept. of Geology, Brown University, Providence, Rhode Island.
- \*RABBITT, JOHN C., U. S. Geological Survey, Washington 25, D. C.
- RAHDO, HANNES, Box 205, Vader, Washington.
- RAMBERG, HANS, Dept. of Geology, University of Chicago, Chicago 37, Illinois.
- \*RAMDOHR, PAUL, Mineralogisch-Petrographisches Institut der Universität, Hauptstrasse 47-51, Heidelberg, Germany.
- \*RAMSDELL, LEWIS S., Mineralogical Laboratory, University of Michigan, Ann Arbor, Michigan.
- \*RANKAMA, KALERVO, Institute of Geology, University of Helsinki, Snellmanink 5, Helsinki, Finland.
- RATH, A. DONALD, 25 Windsor Road, Brookline 46, Massachusetts.
- REDDEN, JACK A., Box 71, Custer, South Dakota.
- REED, FRANK S., 3118 Rittenhouse Street, N.W., Washington, D. C.
- REEVES, AUGUSTUS, Clayton, Ohio.
- \*REINHARD, MAX, Mineralogical Institute, University of Basel, Basel, Switzerland.
- REMICK, JEROME H., Newman House, 1301 Ruby Avenue, Houghton, Michigan.
- REYES, JORGE MUNOZ, Apartado 267, La Paz, Bolivia.
- RICE, H. M., Chemistry Division, Central Experimental Farm, Ottawa, Canada.
- RICHMOND, JAMES F., 742 Forest Avenue, Palo Alto, California.

- \*RICHMOND, WALLACE E., JR., RD 2, Hillsboro, New Hampshire.  
RIDGE, JOHN D., Lemont, Centre County, Pennsylvania.  
RIGSBY, GEORGE P., Division of Geological Sciences, California Institute of Technology, Pasadena 4, California.  
RINN, HAROLD W., 2917 Braley Court, Midland, Michigan.  
RITCHIE, EVERETT J., c/o Eagle-Picher Company, Research Laboratories, Joplin, Missouri.  
ROBERTS, CARROLL NORTON, Dept. of Geology, Indiana University, Bloomington, Indiana.  
ROBERTS, FRED, JR., 1106 West Newmark, Monterey Park, California.  
ROBERTS, W. L., 628 Harter Drive, Rapid City, South Dakota.  
ROBERTSON, E. C., c/o Dept. of Geology, Harvard University, Cambridge 38, Massachusetts.  
ROBERTSON, FORBES, Montana School of Mines, Butte, Montana.  
ROBINSON, G. D., Section of General Geology, U. S. Geological Survey, Denver Federal Center, Denver 14, Colorado.  
RODE, K. P., University Department of Geology, M B College, Udepur, India.  
RODEKOH, W. J., 25 Elgin Street, Alhambra, California.  
ROEDDER, EDWIN W., Dept. of Mineralogy, University of Utah, Salt Lake City, Utah.  
\*ROGERS, AUSTIN P., 2412 Durant Avenue, Apt. 109, Berkeley, California.  
ROLLINS, ROSS, 79 Cypress Street, Brookline, Massachusetts.  
ROLSHAUSEN, F. W., P.O. Box 2180, Houston 1, Texas.  
ROONEY, JOHN T., Box 358, Buffalo, New York.  
ROSE, ROBERT L., 1425 Dutton Avenue, Santa Rosa, California.  
ROSENFELD, JOHN L., 1014 Morrell Avenue, Rolla, Missouri.  
\*ROSENHOLTZ, JOSEPH L., Rensselaer Polytechnic Institute, Troy, New York.  
ROSENKRANS, R. R., 373 Albert, Shreveport, Louisiana.  
ROSEVEAR, F. B., Chemical Division, The Procter & Gamble Company, Cincinnati 17, Ohio.  
\*ROSS, CLARENCE S., U. S. Geological Survey, Washington 25, D. C.  
ROSS, MRS. KIP, Broadmoor #305, 3601 Connecticut Avenue, N.W., Washington 8, D. C.  
ROSSI, JUAN JOSE, Rodriguez Pena 1043, Buenos Aires, Argentina.  
ROTH, ROBERT S., 1630 Park Road, N.W., Washington, D. C.  
\*ROWLAND, RICHARDS A., Shell Oil Company, P.O. Box 2099, Houston 1, Texas.  
ROWLEY, ELMER B., 214 Ridge Street, Glens Falls, New York.  
ROY, CHALMER J., Dept. of Geology, Iowa State College, Ames, Iowa.  
ROYAL, H. F., Champion Spark Plug Company, 8525 Butler Avenue, Detroit 11, Michigan.  
ROYER, LOUIS, Laboratoire de Min. et Crist. de l'Université, Algiers, Algeria.  
RUNNER, DELMAR G., 4606 47th Street, N.W., Washington 16, D. C.  
\*RUNNER, JOSEPH J., Geology Building, University of Iowa, Iowa City, Iowa.  
\*RUSSELL, ARTHUR E., Swallowfield Park, Reading, Berkshire, England.  
RUSSELL, ROBERT T., U. S. Bureau of Reclamation, 460 N. High Street, Salem, Oregon.  
\*RUTHERFORD, RALPH L., Dept. of Geology, University of Alberta, Edmonton, Alberta, Canada.  
  
SACHS, WALTER P., 254 Bloomfield, Avenue, Caldwell, New Jersey.  
SAFFORD, ARTHUR T., JR., 328 North Steele Road, West Hartford, Connecticut.  
\*SAHAMA, THURE GEORG, Institute of Geology, University of Helsinki, Snellmanink 5, Helsinki, Finland.

- SAHLIN, BERGSING. CARL-INGEMAR, Villastigen 1, Kiruna, Sweden.
- SALETTEL, LOUIS, University of Dayton, Dayton 9, Ohio.
- SAMBONSUGI, MIYOJI, 84 Hamadacho, Fukushima City, Japan.
- \*SAMPSON, EDWARD, Guyot Hall, Princeton University, Princeton, New Jersey.
- SAMPTER, E. L., 49 West 45th Street, New York 19, New York.
- \*SANDELL, ERNEST B., School of Chemistry, University of Minnesota, Minneapolis 14, Minnesota.
- SAN MARTÍN Y SÁENZ, RENÉ, Laboratorio de Mineralogia No. 1, Facultad de Ciencias, Universidad de la Habana, La Habana, Cuba.
- SAUNDERS, HAROLD A., Hotel Heppner, Heppner, Oregon.
- SAWYER, HAROLD H., 514 W. 12th Street, Anderson, Indiana.
- SAYLOR, PAULINE A., 20144 East Arrow Highway, Covina, California.
- SCHAA, FERDINAND A., JR., Saxon Avenue, Bay Shore, New York.
- \*SCHAIRER, JOHN F., Geophysical Laboratory, 2801 Upton Street, N.W., Washington 8, D. C.
- \*SCHALLER, WALDEMAR T., U. S. Geological Survey, Washington 25, D. C.
- SCHIED, VERNON E., Mackay School of Mines, University of Nevada, Reno, Nevada.
- SCHERMEISTER, LEO, University of Illinois College of Pharmacy, 808 S. Wood Street, Chicago, Illinois.
- SCHLECHT, WILLIAM G., U. S. Geological Survey, Washington 25, D. C.
- SCHLOCKER, J., U. S. Geological Survey, 105 Old Mint Building, San Francisco, California.
- \*SCHMITT, HARRISON A., Cottage Sanatorium Road, Silver City, New Mexico.
- SCHMITTER, V. EDUARDO, Anaxagoras 921, Mexico 12, D.F., Mexico.
- \*SCHNEIDER, PHILIP E., 46 Blue Hills Avenue, Hartford 5, Connecticut.
- SCHOENLAUB, R. A., Sylvester and Company, Terminal Tower, Cleveland 13, Ohio.
- \*SCHOEP, ALFRED, 97 Baudeloo Street, Ghent, Belgium.
- SCHORTMANN, RAYMOND E., 306 Main Street, Easthampton, Massachusetts.
- SCHWARTZ, B., 1884 Monroe Avenue, Bronx, New York 57, New York.
- \*SCHWARTZ, GEORGE M., Dept. of Geology, University of Minnesota, Minneapolis 14, Minnesota.
- SCOTTFORD, DAVID M., Geology Department, Miami University, Oxford, Ohio.
- SCOTT, DONALD W., Continental Sales & Equipment Company, Box 438, Hibbing, Minnesota.
- SCOTT, GLENN R., U. S. Geological Survey, En. Section, Denver Federal Center, Denver 14, Colorado.
- SCOTT, HORACE A., 2208 N. Ross, Santa Ana, California.
- SEAGER, A. F., 94 Ranelagh Road, Ealing, London WF, England.
- SEAMAN, DAVID MARTIN, 51 Ralph Mann Drive, Stoughton, Massachusetts.
- SEGELER, CURT G., 284 East 16th Street, Brooklyn 26, New York.
- \*SEIFERT, H., Mineralogical-Petrographic Institute, Westphalian Land University (21a), Münster i.W., Germany.
- \*SHAND, S. JAMES, 1 Fintry Place, Broughty-Ferry, Dundee, Scotland.
- SHARP, KENNETH R., S.M.H.E.A., Cooma 4S, New South Wales, Australia.
- \*SHAUB, BENJAMIN M., 159 Elm Street, Northampton, Massachusetts.
- SHEHEEN, ALEXANDER T., 80 Elm Street, Hornell, New York.
- SHERIDAN, DOUGLAS M., U. S. Geological Survey, Box 7618, Lakewood Branch, Denver 15, Colorado.
- SHERMAN, WALTER C., 27 Doro Place, Rumford 16, Rhode Island.
- SHIMAMOTO, MRS. K., 1330 Congress Street, S.E., Washington 20, D. C.

- SHIPLEY, ROBERT M., Gemological Institute of America, 541 S. Alexandria Avenue, Los Angeles 5, California.
- SHIPTON, W. D., Dept. of Geology, Washington University, St. Louis 5, Missouri.
- \*SHORT, MAX N., Dept. of Geology, University of Arizona, Tucson, Arizona.
- SHORTLE, WALTER C., 65 Lincoln Street, Laconia, New Hampshire.
- SHURTZ, ROBERT F., Box 788, Henderson, Nevada.
- SIDWELL, RAYMOND, Dept. of Geology, Texas Technical College, Lubbock, Texas.
- SIEGRIST, MARIE, 1431 Iris Street, N.W., Washington 12, D. C.
- SIEVERS, D. C., 1626 Woodside Avenue, Kingsport, Tennessee.
- SILBERSTEIN, M. L., 1607 Francis Street, Houston 4, Texas.
- SILVER, LEON T., Division of Geological Sciences, California Institute of Technology, Pasadena 4, California.
- SILVERMAN, MRS. JEANNE, 1224 High Street, Whittier, California.
- SIMCOCK, J. H., Cranford, Lovatt Avenue, Milehouse, Newcastle, Staffordshire, England.
- SIMMONS, EDWARD E., JR., 455 S. Oakland Avenue, Pasadena 5, California.
- SIMONS, FRANK S., U. S. Geological Survey, Room 4209, GSA Building, Washington 25, D. C.
- \*SINGEWALD, QUENTIN D., U. S. Geological Survey, Washington 25, D. C.
- SKARITZA, JOSEPH, Box 157, Great Bend, Pennsylvania.
- SKEA, E. M., P.O. Box 46, Pilgrims Rest, Transvaal, South Africa.
- \*SLAWSON, CHESTER B., Mineralogical Laboratory, University of Michigan, Ann Arbor, Michigan.
- SMEDES, HARRY W., Dept. of Geology, Kansas State College, Manhattan, Kansas.
- SMITH, ALAN R., Geology Department, International Nickel Company, Copper Cliff, Ontario, Canada.
- SMITH, D. T., Rensselaer Polytechnic Institute, Troy, New York.
- SMITH, EDWARD S. C., Geology Laboratory, Union College, Schenectady 8, New York.
- SMITH, O. C., 5157 Santa Ana Street, Bell, California.
- SMITH, ROBERT L., 4756 F. O. Boulevard, Fair Oaks, California.
- \*SMITH, W. S. TANGIER, 1231 Hoover Street, Menlo Park, California.
- \*SMITH, WARD C., 99 El Camino Real, Berkeley 5, California.
- SMYTHE, FRANK W., JR., 4065 Grandview Boulevard, Memphis, Tennessee.
- \*SNELGROVE, ALFRED K., Dept. of Geology, Michigan College of Mining and Technology, Houghton, Michigan.
- SNOW, ROLAND B., Research Laboratory, U. S. Steel Corporation, Kearny, New Jersey.
- SOCOLOW, ARTHUR A., Geology Department, Boston University, 725 Commonwealth Avenue, Boston, Massachusetts.
- \*SPENCE, HUGH S., 222 Argyle Avenue, Ottawa, Ontario, Canada.
- SPERRY, ARTHUR B., Dept. of Geology, Kansas State College of Agriculture and Applied Science, Manhattan, Kansas.
- SPILLER, R. C., Dept. of Mineralogy, University Museum, Oxford, England.
- SPIROFF, KIRIL, Houghton, Michigan.
- SPOTTS, JOHN H., Senath, Missouri.
- SPRINGER, W. M., Bristol-Myers Company, 225 Long Avenue, Hillside, New Jersey.
- SPROAT, IRA E., 58 Washington Avenue, Westport, Connecticut.
- STAATZ, MORTIMER H., Box 7618, Lakewood Branch, Denver 15, Colorado.
- STADNICHENKO, TAISIA, U. S. Geological Survey, Washington 25, D. C.
- \*STANTON, GILMAN S., 245 West 104 Street, New York 25, New York.
- STANWOOD, CRIGHTON B., 12 Kilburn Road, Belmont 78, Massachusetts.
- \*STAPLES, LLOYD W., Dept. of Geology, University of Oregon, Eugene, Oregon.

- \*STARK, JOHN T., Dept. of Geology, Northwestern University, Evanston, Illinois.  
 STEAD, FRANK, U. S. Geological Survey, Washington 25, D. C.  
 STEDMAN, R. D., 17 Saville Row, Newcastle on Tyne, England.  
 STEEL, GEORGE E., 37 Mason Boulevard, Toronto, Ontario, Canada.  
 STEEN, CHARLES A., 3803 Arbor Street, Houston 4, Texas.  
 STEPHANO, C. S., 1016 Walnut Street, Philadelphia 7, Pennsylvania.  
 STERN, THOMAS W., U. S. Geological Survey, Geochemistry & Petrology, Washington 25, D. C.  
 STEVENS, D. H., 2557 Casitas Avenue, Altadena, California.  
 \*STEVENS, ROLLIN E., U. S. Geological Survey, Washington 25, D. C.  
 \*STEVENSON, JOHN S. Dept. of Geological Sciences, McGill University, Montreal, Canada.  
 STEWART, DAVID B., 401 William James Hall, Cambridge 38, Massachusetts.  
 \*STEWART, DUNCAN, Dept. of Geology, Carleton College, Northfield, Minnesota.  
 STEWART, GLENN W., Dept. of Geology, University of New Hampshire, Durham, New Hampshire.  
 STIEFF, LORIN R., 2242 Washington Avenue, Apt. 102, Silver Spring, Maryland.  
 STILWELL, STEPHEN N., 315 Empire Building, Knoxville, Tennessee.  
 STIVERS, GLEN H., Box 581, Tustin, California.  
 STOBBE, HELEN, Norris House, Smith College, Northampton, Massachusetts.  
 STOCKMAN, A. J., Ruby, Alaska.  
 \*STOIBER, RICHARD E., McKenna Road, Norwich, Vermont.  
 STONE, ROBERT L., Dept. of Ceramic Engineering, University of Texas, Austin 12, Texas.  
 \*STOW, MARCELLUS H., 405 Massie Street, Lexington, Virginia.  
 \*STRINGHAM, BRONSON F., University of Utah, Salt Lake City, Utah.  
 \*STROCK, LESTER W., 21 Madison Avenue, Saratoga Springs, New York.  
 \*STRUNZ, HUGO, Mineralogisch-Geologisches Institut, Regensburg, Germany.  
 STUCKER, P., Rietalstrasse 3, Zofingen, Switzerland.  
 \*STUCKEY, JASPER L., 1911 Sunset Drive, Raleigh, North Carolina.  
 STUGARD, FREDERICK, JR., 460 Hoyt Street, Lakewood, Colorado.  
 SUBRAMANIAM, A. P., Dept. of Geology, Princeton University, Princeton, New Jersey.  
 SUDO, TOSHIO, Geological Institute, Faculty of Science, Tokyo University, Tokyo, Japan.  
 SUN, MING-SHAN, Bureau of Mines and Mineral Resources, Campus Station, Socorro, New Mexico.  
 SWINNERTON, A. C., 145 West Limestone Street, Yellow Springs, Ohio.  
 SWINNEY, C. M., School of Mineral Sciences, Stanford University, California.  
 \*SWITZER, GEORGE, U. S. National Museum, Washington 25, D. C.  
 SZADZCZKY-KARDOSS, ELMER, Inst. Mineralogy & Geology, Sopron University, Sopron, Hungary.
- \*TABER, STEPHEN, 1518 Deans Lane, Columbia 5, South Carolina.  
 TAKATSUI, FUMIO, 14521 27 N.E., Seattle 55, Washington.  
 TAMURA, TSUMEO, Soils Dept., University of Wisconsin, Madison, Wisconsin.  
 TATGE, ELEANOR, McLean, Virginia.  
 TAUBER, J. A., P.O. Box 29, Norristown, Pennsylvania.  
 \*TAVORA, ELYSIARIO, Faculdade Nacional de Filosofia, Universidade do Brasil, Av. Pres. Antonio Carlos 40, Rio de Janeiro, Brazil.  
 TAYLOR, ALBERT J., 1204 West 44th Street, Austin 5, Texas.  
 TAYLOR, ALLEN O., 756 East 2d South, Apt. 26, Salt Lake City, Utah.  
 TAYLOR, EDWARD D., HQ, NWHS, Whitehorse, Yukon Territory, Canada.  
 TAYLOR, JAMES A., 38 Douglas Road, Glen Ridge, New Jersey.

- TAYLOR, RALPH E., Box 2180, Houston 1, Texas.
- \*TAYLOR, W. H., The Cavendish Laboratory, Crystallographic Section, Free School Lane, Cambridge, England.
- \*THIBAUT, N. W., Norton Company, Worcester, Massachusetts.
- THOMAS, W. HERSEY, 145 East Gorgas Lane, Mt. Airy, Philadelphia, Pennsylvania.
- THOMPSON, CLYDE L., Hays Laboratory, Pittsburgh 7, Pennsylvania.
- THOMPSON, JAMES B., Dept. of Mineralogy, Harvard University, Cambridge 38, Massachusetts.
- THOMPSON, MARY E., U. S. Geological Survey, Naval Gun Factory, Washington 25, D. C.
- THOMPSON, ROBERT, Box 913, Cobalt, Ontario, Canada.
- \*THOMPSON, ROBERT M., Dept. of Geology & Geography, University of British Columbia, Vancouver, B. C., Canada.
- THURSTON, WILLIAM R., Compania Minera de Penoles, S. A., Apartado 251, Monterrey, N.L., Mexico.
- TITCOMB, JANE, U. S. Geological Survey, Naval Gun Factory, Washington 25, D. C.
- \*TOLMAN, CARL, Dept. of Geology, Washington University, St. Louis 5, Missouri.
- TOMAN, LARRY, JR., Box 452-C, M.R., Red Bank, New Jersey.
- TOMASINO, PETER, 3130 West Mitchell, Milwaukee 15, Wisconsin.
- TOMLINSON, W. HAROLD, 260 North Rolling Road, Springfield, Pennsylvania.
- TOOKER, EDWIN W., 234 Natural History Building, University of Illinois, Urbana, Illinois.
- \*TOOTHAKER, CHARLES R., Commercial Museum, 24th and Spruce Streets, Philadelphia 4, Pennsylvania.
- TRAINER, DAVID W., JR., 48 Payne Street, Hamilton, New York.
- TRAINER, J. N., Brewster, New York.
- TRAUTZ, OTTO R., Dept. of Chemistry, New York University College of Dentistry, 209 East 23d Street, New York 10, New York.
- TRAVIS, RUSSELL B., International Petroleum Company, Ltd., Talara, Peru.
- TREFETHEN, JOSEPH M., New Engineering Building, University of Maine, Orono, Maine.
- TREMBLAY, ABBE J. A., Seminaire de Chicoutimi, Comte de Chicoutimi, P. Q., Canada
- TRIMBLE, CLINTON E., 242 Heliotrope Avenue, Corona Del Mar, California.
- TRUDELL, HARRY W., 1309 Highland Avenue, Abington, Pennsylvania.
- TRUMPOUR, HARRY J., 528 South 14 Street, Corvallis, Oregon.
- TRITES, ALBERT F., JR., 505 Arapahoe Street, Golden, Colorado.
- \*TUNELL, GEORGE, 801 Toyopa Drive, Pacific Palisades, California.
- \*TURNEAURE, F. S., 1905 E. Stadium Drive, Ann Arbor, Michigan.
- \*TURNER, FRANCIS J., Bacon Hall, University of California, Berkeley 4, California.
- TUROBINSKI, T. J., 1965 East 83 Street, Cleveland, Ohio.
- TUTHILL, ISABEL H., Rocky Point, Long Island, New York.
- TUTTLE, ORVILLE F., Geophysical Laboratory, 2801 Upton Street, Washington 8, D. C.
- TWENHOFEL, WILLIAM S., U. S. Geological Survey, Box 2659, Juneau, Alaska.
- TWETO, OGDEN, U. S. Geological Survey, 200 New Customhouse, Denver 2, Colorado.
- USI, PROF., Kyoto Kogei-Seni-Daigaku-Kogeigakubu, Matsugasaki, Kyoto, Japan.
- VALENTINE, GRANT M., 1310 Rockefeller Avenue, Everett, Washington.
- VALENTINE, WILBUR G., Dept. of Geology, Brooklyn College, Brooklyn, New York.
- VALLANCE, THOMAS G., 57 Auburn Street, Sutherland, New South Wales, Australia.
- VANCE, LOUIS W., 1002 Palm Avenue, South Pasadena, California.
- VAN COTT, H. CORBIN, 185 Fulton Street, Corning, New York.



- VANDEREIKE, PAUL, Rt. 2, Box 1168, Vista, California.
- VAN DER LEUR, RENE, 341 East Brewer Street, East Hartford 8, Connecticut.
- VAN HORN, EARL C., Box 221, Murphy, North Carolina.
- VAN HORN, MAURICE H., Research Laboratories, Eastman Kodak Company, Kodak Park, Rochester 4, New York.
- VAN VLACK, LAWRENCE, 27 McGarity Road, Park Forest, Chicago Heights, Illinois.
- VAUGHAN, ALLAN C., U. S. Smelting & Refining Company, Midvale, Utah.
- VENUTO, JOSEPH, 1421 Sterling Place, Brooklyn 13, New York.
- VESIGNIE, JEAN PAUL LOUIS, 22 Rue du General Foy, Paris VIII, France.
- VHAY, JOHN STEWART, S. 157 Howard, Spokane, Washington.
- VICKERS, A. ERIC J., Wynnstay, Millfield Road, Whickham, Newcastle-Upon-Tyne, England.
- VIETZKE, FRED W. C., RFD #1, Box 10, Rapid River, Michigan.
- VISHWESWAR, M., Post Box no. 714, Bombay 1, India.
- \*VITALIANO, CHARLES J., Dept. of Geology, Indiana University, Bloomington, Indiana.
- VOGT, ARNO R., Box 348, New London, Connecticut.
- VOLESKY, GUSTAV, JR., 38 Narodni, Prague 2, Czechoslovakia.
- VON VULTEE, JOACHIM, Schlosstrasse 17, Berlin-Steglitz, Germany.
- VREELAND, FREDERICK K., 36 Magee Avenue, Mill Valley, California.
- WADE, F. ALTON, Dept. of Geology, Miami University, Oxford, Ohio.
- \*WAGER, LAWRENCE R., Dept. of Geology and Mineralogy, University Museum, Oxford, England.
- \*WAHLSTROM, ERNEST E., Dept. of Geology, University of Colorado, Boulder, Colorado.
- WALDO, ALLEN W., 1335 North Van Buren, Stockton 19, California.
- \*WALDSCHMIDT, WILLIAM A., 1901 W. College, Midland, Texas.
- WALL, MILFORD W., 12 Euston Street, Brookline, Massachusetts.
- WALLACA, ROBERT E., Dept. of Geology, State College of Washington, Pullman, Washington.
- \*WALLACE, ROBERT C., Queen's University, Kingston, Ontario, Canada.
- WANDKE, ALFRED D., Box 1512, Prescott, Arizona.
- WARNER, ROBERT E., 2980 Pingree Avenue, Detroit, Michigan.
- WARRACH, HENRY C., P.O. Box 162, Hammond, Indiana.
- WARSHAW, MRS. CHARLOTTE M., Division of Geophysics and Geochemistry, Dept. of Earth Sciences, State College, Pennsylvania.
- WASHKEN, EDWARD, 2076 Massachusetts Avenue, Cambridge 40, Massachusetts.
- \*WASSERSTEIN, BENNO, Geological Survey, Union of South Africa, Pretoria, South Africa.
- \*WATANABE, TAKEO, Tokyo Imperial University, Tokyo, Japan.
- \*WATERS, AARON C., Box 1738, Stanford University, California.
- WATERSTON, THOMAS F., 435 Metcalfe Avenue, Westmount, Quebec, Canada.
- \*WATSON, EDWARD H., Dept. of Geology, Bryn Mawr College, Bryn Mawr, Pennsylvania.
- \*WATSON, KENNETH DEP., Dept. of Geology, University of California, Los Angeles 24, California.
- \*WAYLAND, RUSSELL G., Combined Coal Control Group, US-HICOG, Box 590, APO 80, c/o Postmaster, New York, New York.
- \*WEBB, ROBERT W., Dept. of Physical Science, University of California, Santa Barbara, California.
- WEEKS, MRS. ALICE D., Geochemistry & Petrology, U. S. Geological Survey, Washington 25, D. C.

- WEEKS, CHARLES A., Red Gate Lane, Meredith, New Hampshire.
- WEIDHAAS, ERNEST, 255 Corlies Avenue, Pelham 65, New York.
- WEIS, PAUL L., School of Geology, University of Virginia, Charlottesville, Virginia.
- WEISS, E. JOSEPH, Dept. of Ceramic Engineering, University of Texas, Austin 12, Texas.
- WEISSENBORN, A. E., So. 157 Howard, Spokane 8, Washington.
- WEITZ, JOHN H., Dept. of Geology, Lehigh University, Bethlehem, Pennsylvania.
- WELLNITZ, ANNA M., Brooklyn College, Bedford & H Avenues, Brooklyn 10, New York.
- WELLS, RALPH G., 379 Woodcliff Circle, Pittsburgh 16, Pennsylvania.
- WELT, RUTH M., 132 Bay 31st Street, Brooklyn 14, New York.
- WENDEN, HENRY E., 16 Normandy Road, Woodhaven, Lexington 73, Massachusetts.
- \*WEST, CUTLER D., Polaroid Corporation, 718 Main Street, Cambridge 38, Massachusetts.
- \*WHERRY, EDGAR T., 137 Maplewood Avenue, Philadelphia 44, Pennsylvania.
- WHITAKER, GEORGE C., 825 East Schaaf Road, RD 3, Brooklyn Station, Cleveland, Ohio.
- WHITE, CHARLES E., Dept. of Chemistry, University of Maryland, College Park, Maryland.
- WHITE, JAMES C. M., 203 Carnegie Place, Pittsburgh 8, Pennsylvania.
- WHITE, J. H., 938 Northampton Drive, Silver Spring, Maryland.
- WHITE, W. ARTHUR, Illinois Geological Survey, Urbana, Illinois.
- WHITE, W. E., 552 Booth Street, Ottawa, Canada.
- WHITMORE, D. R. E., C.M.S. Company, Box 1340, Prince Rupert, British Columbia, Canada.
- WHITTARD, W. F., Dept. of Geology, The University, Bristol 8, England.
- \*WICKMAN, FRANS E., Stockholm 50, Sweden.
- WIIK, BIRGER, Fredsgatan 11-C-42, Helsinki, Finland.
- WILCOX, RAY E., Geologic Division, Denver Federal Center, Denver 14, Colorado.
- WILD, GEORGE O., Idar Oberstein 2, Germany.
- WILD, HERMAN, 20243 Joann, Detroit 5, Michigan.
- WILKERSON, ALBERT S., Dept. of Geology, Rutgers University, New Brunswick, New Jersey.
- WILLEMS, H. W., 1513 Pacific Avenue, Brackenridge, Pennsylvania.
- WILLIAMS, NORMAN C., 1801 East 3900 South, Salt Lake City 7, Utah.
- WILLIS, WILLETT R., 1343 North Nevada Avenue, Colorado Springs, Colorado.
- WILLOW, STEPHEN B., 2 West 47th Street, New York, New York.
- WILSON, A. J. C., University College, Cathays Park, Cardiff, South Wales, Great Britain.
- WILSON, CARL, 90 Tower Hill Road, Mountain Lakes, New Jersey.
- WILSON, FORD E., 11844 S.E. Pine Street, Portland 16, Oregon.
- \*WINCHELL, ALEXANDER N., 88 Vineyard Road, New Haven, Connecticut.
- \*WINCHELL, HORACE, Geology Department, Yale University, New Haven, Connecticut.
- \*WINKLER, H. G. F., Mineralogists Institut, (20b) Göttingen, Lotzestr. 16-18, Germany, British Zone.
- WINTRINGHAM, NEIL A., 50-10B Brookside Avenue, Somerville, New Jersey.
- WISHART, JAMES S., 56 Hammond Street, Rochester 13, New York.
- WITHROW, JAMES R., 77 16th Avenue, Columbus, Ohio.
- WITTELS, MARK C., 120 West Hunter Circle K, Oak Ridge, Tennessee.
- \*WOLFE, C. WROE, Dept. of Geology, Boston University, Boston, Massachusetts.
- \*WOOD, MRS. ELIZABETH ARMSTRONG, Bell Telephone Laboratories, Murray Hill, New Jersey.
- WOOD, LEONARD E., 905 South Limestone, Lexington, Kentucky.
- \*WOODFORD, ALFRED O., 443 West 10th Street, Claremont, California.
- WOODHOUSE, C. D., 4125 Creciente Drive, Santa Barbara, California.

- WOODRUFF, T. L., 3480 Morganford Road, St. Louis 16, Missouri.  
WOODS, ARTHUR E., 1342 W. Beach, Pass Christian, Mississippi.  
WOODWARD, THEODORE, 4207 Hewitt Avenue, Silver Spring, Maryland.  
WOYSKI, MRS. M. W. SKILLMAN, Chemistry Department, University of Wisconsin, Madison, Wisconsin.  
\*WRIGHT, FREDERICK E., 2134 Wyoming Avenue, N.W., Washington, D. C.  
WRINCH, DOROTHY, Dept. of Physics, Smith College, Northampton, Massachusetts.  
WYATT, MICHAEL, St. Johns College, Cambridge, England.
- YAGI, KENZO, Geophysical Laboratory, 2801 Upton St., N.W., Washington 8, D. C.  
\*YAGODA, HERMAN, Industrial Hygiene Research Laboratory, National Institute of Health, Bethesda 14, Maryland.  
YEDLIN, LEO N., 557 W. Penn Street, Long Beach, New York.  
YODER, HATTON S., JR., Geophysical Laboratory, 2801 Upton Street, N.W., Washington 8, D. C.  
YORKS, KENNETH P., 104 Ormsby Drive, Syracuse 4, New York.  
YOUNG, JOHN A., JR., Sun Oil Company, Production Dept., 1608 Walnut Street, Philadelphia 3, Pennsylvania.  
YOUNG, ROBERT SPENCER, 426 East Buffalo Street, Ithaca, New York.  
YOUNG, W. FORD, P.O. Box 102, Belize, British Honduras.  
YU, PEI LIANG, 234 South Allen Street, State College, Pennsylvania.
- ZAK, LUBOR, Mineralogical Department, Charles University, Prague 2, Czechoslovakia.  
ZANNARAS, J. P., Box 500, Congress, Arizona.  
ZEIHEN, LESTER G., c/o Chile Exploration Company, Chuquicamata (via Antofagasta), Chile, S. A.  
ZEMAN, FREDERICK D., 111 East 88 Street, New York, New York.  
ZEN, E-AN, 42 Kirkland Street, Cambridge 38, Massachusetts.  
\*ZERFOSS, SAMUEL, Crystal Section, Naval Research Laboratory, Washington 20, D. C.  
ZIEDNER, MARTIN A., Box 1628, New Orleans, Louisiana.  
ZIMMER, PAUL W., General Delivery, Crosby, Minnesota.  
ZODAC, PETER, Box 29, Peekskill, New York.