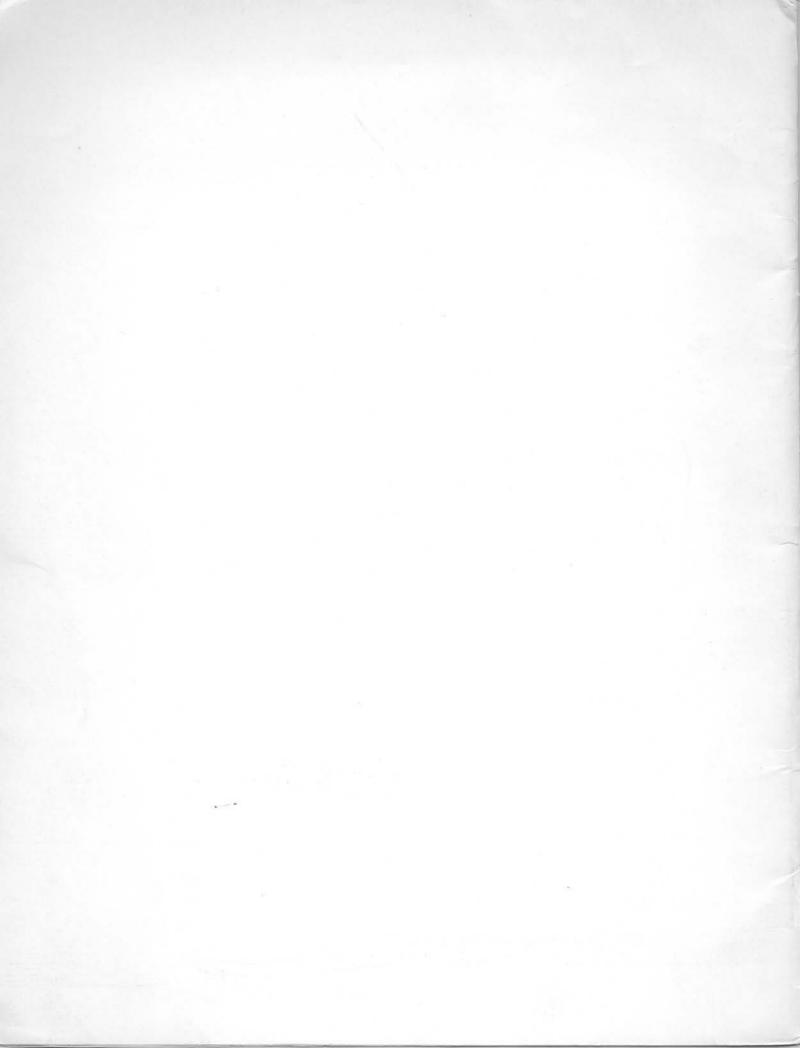
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*Certified Professional Geologist by the American Institute of Professional Geologists.

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INTRODUCTION

This bibliography lists published and unpublished papers concerning the geology of the State of Missouri that were issued during 1968. A few papers which appeared before 1968 but which were not included in previous bibliographies are also listed. Papers which deal with the geology of areas outside of the state are cited if they contain information which may be pertinent to the geology of Missouri.

Although an effort has been made in this bibliography to include the title of every paper pertaining to the geology of Missouri that has appeared in the last year, some have undoubtedly been overlooked. If an omission is noted, the missing publication should be brought to the attention of the editor so that it may be included in future listings.

The editor wishes to thank the librarians who have assisted in the preparation of this bibliography. Acknowledgments are especially due to the following institutions for the availability of their libraries and the generous assistance of their librarians: The Geology Library, University of Missouri--Columbia; Library, University of Missouri--Rolla; Geology Library, Washington University, St. Louis, Missouri; and Pius XII Memorial Library, St. Louis University, St. Louis, Missouri. He also wishes to thank Mrs. Bonnie Happel for preparing the typescript, and the staff of the Missouri Geological Survey for reading the manuscript.

BIBLIOGRAPHY

Aero Service Corporation

- Aeromagnetic map of Ellington Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, 1 sheet, 1968.
- Aeromagnetic map of Gerald Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, 1 sheet, 1968.
- 3. Aeromagnetic map of Greenville Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, 1 sheet, 1968.
- Aeromagnetic map of Piedmont Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, 1 sheet, 1968.
- 5. Aeromagnetic map of Zalma Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, 1 sheet, 1968.

Alberstadt, Leonard P.

1. Biostratigraphy of the "Fernvale" Formation of Oklahoma (abstract): Geol. Soc. America, program 1968 Ann. Mtg., Southeastern Sec., p. 19, April 1968.

Aley, Thomas

- Hydrology of a karst watershed in the Missouri Ozarks (abstract):
 Caves and Karst, vol. 9, no. 6, p. 51, 1967; (full text) Caves and
 Karst, vol. 10, no. 6, pp. 49-55, 3 figs., 1 table, December 1968.
 Amstutz, G. C. Refer to Zimmerman, R. A.
 Anderson, Jay Earl, Jr.
- Petrographic features of some texturally altered welded tuffs (abstract): Geol. Soc. America, Spec. Paper 115, p. 6, 1968.
 Anderson, Kenneth H. Refer also to Wells, Jack S.
 - (and Wells, Jack S.) Forest City basin of Missouri, Kansas, Nebraska, and Iowa: Am. Assoc. Petroleum Geologists Bull., vol. 52, no. 2, pp. 264-281, 14 figs., February 1968.

Anonymous

- Bates County Rock Co., Inc., Butler, Missouri: Missouri Limestone News, vol. 23, no. 11, pp. 8-11, illus., November 1968.
- Pilot Knob, Missouri...a unique underground "open-pit" mine: Eng. and Min. Jour., vol. 169, no. 11, pp. 98-99, illus., November 1968.

Arundale, Joseph C.

- (and Martin, James A.) The mineral industry of Missouri, 1967:
 U. S. Bur. Mines, Minerals Yearbook, vol. 3, pp. 465-484, 1968.
 Bickford, M. E.
 - (and Odom, A. L.) Rb-Sr geochronology of igneous events in the Precambrian of the St. Francois Mountains, southeastern Missouri (abstract): Geol. Soc. America, program 1968 Ann. Mtg., p. 27, November 1968.

Boswell, E. H.

(Cushing, E. M., Hosman, R. L., and Jeffery, H. G.) Quaternary aquifers in the Mississippi embayment, with a discussion of quality of the water, in Water Resources of the Mississippi Embayment:
 U. S. Geol. Survey, Prof. Paper 448-E, 15 pp., 8 figs., 2 pls., 5 tables, 1968.

Braught, G. J. Refer to Vincenz, S. A.

Bray, Robert T.

 Broken Shin Cave: Missouri Archaeologist, vol. 30, pp. 84-107, 8 figs., December 1968.

Brockie, Douglas C.

(Hare, Edward H., Jr., and Dingess, Paul R.) The geology and ore deposits of the Tri-State district of Missouri, Kansas, and Oklahoma, in Ore deposits of the United States, 1933-1967, Volume I, John D. Ridge, Ed.: Am. Inst. Min., Met. and Petroleum Eng., pp. 400-430, 10 figs., 3 tables, 1968.

Brod, Langford G., Jr. Refer to Vineyard, Jerry D.

Bromberger, S. H.

 Petrogenesis of Maquoketa (Ordovician) phosphatic beds, Iowa (abstract): Geol. Soc. America, Spec. Paper 115, pp. 383-384, 1968.

Canis, Wayne F.

Conodonts and biostratigraphy of the lower Mississippian of Missouri: Jour. Paleontology, vol. 42, no. 2, pp. 525-555, 2 figs., 3 pls., February 1968.

Carlson, J. E. Refer to Willden, C. R.

Carpenter, Alden B.

- (and Miller, John C.) Mineralogical controls on the chemical character of saline subsurface water (abstract): Geol. Soc. America, program 1968 Ann. Mtg., p. 48, November 1968.
 Cassidy, Martin M.
- Excello Shale, northeastern Oklahoma: Clue to locating buried reefs: Am. Assoc. Petroleum Geologists Bull., vol. 52, no. 2, pp. 295-312, 8 figs., 2 tables, February 1968.
 Chenoweth, Philip A.
 - Early Paleozoic (Arbuckle) overlap, southern Mid-Continent, United States: Am. Assoc. Petroleum Geologists Bull., vol. 52, no. 9, pp. 1670-1688, 16 figs., 1968.

Cocke, J. M.

1. Sedimentary model for Pennsylvanian Missourian rocks of the Midcontinent (abstract): Geol. Soc. America, program 1968 Ann. Mtg., pp. 57-58, November 1968.

Conkin, Barbara M. Refer to Conkin, James E.

Conkin, James E.

- 1. (and Conkin, Barbara M.) Devonian-Mississippian boundary in the type Mississippian area of North America (abstract): Geol. Soc. America, Spec. Paper 115, pp. 38-39, 1968.
- (and Conkin, Barbara M.) <u>Scalarituba missouriensis</u> and its stratigraphic distribution: Univ. Kansas Paleo. Contrib., Paper 31, 7 pp., 4 pls., 1 table, September 1968.

Cooper, G. Arthur

- Age and correlation of the Tully and Cedar Valley Formations in the United States, in International Symposium on the Devonian System: Alberta Geol. Soc., vol. 2, pp. 701-709, 1 fig., 1967.
 Corps of Engineers, U. S. Army
- Floodplain information, Wilson Creek and tributaries, Springfield, Missouri, Part I: Corps of Engineers, U. S. Army, Little Rock, Arkansas, 37 pp., 22 figs., 26 pls., 11 tables, November 1968.
 Cridland, Arthur A.
 - 1. Alethopteris ambiqua Lesquereux, a Pennsylvanian pteridosperm from Missouri: U. S. A.: Linnean Soc. London Jour., Botany, vol. 61,

no. 384, pp. 107-111, illus., 1968.

Cushing, E. M. Refer to Boswell, E. H.

Dale, William J. Refer to Denny, Charles S.

Dietz, Robert S.

1. Shatter-conedastroblemes (abstract): Geol. Soc. America, program 1968 Ann. Mtg., p. 75, November 1968.

Denison, Rodger E.

1. Basement rocks in northeast Oklahoma (abstract): Geol. Soc. America, Spec. Paper 115, p. 368, 1968.

Denny, Charles S.

(Warren, Charles R., Dow, Donald H., and Dale, William J.) A
descriptive catalog of selected aerial photographs of geologic
features in the United States: U. S. Geol. Survey, Prof. Paper
590, 79 p. text, 54 p. photos, 1 pl., 1968.

Dingess, Paul R. Refer to Brockie, Douglas C.

Dow, Donald H. Refer to Denny, Charles S.

Elias, Maxim K.

 Superposed cyclic phenomena in the late Paleozoic of the Midcontinent (abstract): Geol. Soc. America, Spec. Paper 115, p. 369, 1968.

Ellison, Samuel P., Jr.

- 1. Conodont studies as evidence of sorting (abstract): Geol. Soc. America, program 1968 Ann. Mtg., North-Central Sec., pp. 42-43, April 1968.
- 2. Memorial to Maurice Goldsmith Mehl (1887-1966): Geol. Soc. America, Proc. Vol. 1966, pp. 297-302, September 1968.

Emmett, L. F.

 (and Jeffery, H. G.) Reconnaissance of the ground-water resources of the Missouri River alluvium between St. Charles and Jefferson City, Missouri: U. S. Geol. Survey, Hydrologic Atlas HA-315, map with text, 1 sheet, 1968.

Emery, John A.

1. Geology of the Pea Ridge iron ore body, in Ore deposits of the United States, 1933-1967, Volume 1, John D. Ridge, Ed.: Am. Inst. Min., Met. and Petroleum Eng., pp. 359-369, 3 figs., 1968.

Ethington, R. L. Refer to Schumacher, Dietmar Fairchild Aerial Surveys

1. Aeromagnetic map of Cardareva Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, Rolla, Missouri, 1 sheet, 1968.

Farrell, Thomas Gregory

1. Paleoecology of the Brickeys Member of the Mifflin Formation (Plattin Subgroup) of eastern Missouri: unpublished Masters thesis, St. Louis Univ., St. Louis, Missouri, 1968.

Fellows, L. D. Refer also to Stinchcomb, Bruce L.

- 1. Student projects involving Missouri geology and geophysics:
 Missouri Mineral Industry News, vol. 8, no. 7, pp. 79-81, July
 1968.
- (and Thompson, T. L.) Comparison of lower Osagean rocks of southwestern and eastern Missouri (abstract): Geol. Soc. America, program 1968 Ann. Mtg., North-Central Sec., p. 24, April 1968.
 Frank, Albert J.

1. The Pleistocene at St. Louis, Missouri (abstract): Missouri Acad. Sci. Trans., vol. 2, p. 127, August 1967.

Fraunfelter, George H.

- Middle Devonian biofacies of central and northeastern Missouri, in International symposium on the Devonian System, Calgary, Alberta, 1967 Proc.: Alberta Geol. Soc., vol. II, pp. 693-700, 3 figs., 2 tables, 1967 [1968].
- 2. The Altenburg bone beds (Middle Devonian) of southeastern Missouri (abstract): Missouri Acad. Sci. Trans., vol. 2, p. 127, August 1968.

Frey, Richard Paul

 Distribution and genesis of dolomite in Kinderhook rocks of Missouri: unpublished Doctoral dissert., Univ. of Missouri--Columbia, Columbia, Missouri, August 1967.

Gamble, Charles R. Refer to Patterson, James L. Gentile, Richard J.

1. Influence of structural movement on sedimentation during the Pennsylvanian Period in western Missouri: Univ. of Missouri Studies, vol. 45, 84 p., 20 figs., 8 pls., 1968.

Gerdemann, Paul E. Refer to Snyder, Frank G.

Gibson, F. W.

 New Buick lead smelter incorporates forty years of technical advances: Eng. and Min. Jour., vol. 169, no. 7, pp. 62-65, illus., July 1968.

Gillerman, Elliot

1. Major lineaments and possible calderas defined by side-looking airborne radar imagery, St. Francois Mountains, Missouri: Natl. Aeronautics and Space Admin., CRES Tech. Rept. 118-12, 29 p., 11 figs., October 1968.

Goebel, Edwin D.

- 1. Mississippian rocks of western Kansas: Am. Assoc. Petroleum Geologists Bull., vol. 52, no. 9, pp. 1732-1778, 17 figs., 1 table, 1968.
- 2. (Thompson, Thomas L., Waugh, Truman C., and Mueller, Leslie C.) Mississippian conodonts from the Tri-State district, Kansas, Missouri, and Oklahoma, in Short papers on research in 1967, Doris E. Zeller, Ed.: Kansas Geol. Survey, Bull. 191, pt. 1, pp. 21-25, 1 fig., 1 table, 1968.

Goodfield, Alan G.

 Pleistocene and Recent geology of St. Louis, Missouri (abstract): Geol. Soc. America, program 1968 Ann. Mtg., Southeastern Sec., p. 40, April 1968.

Hare, Edward H., Jr. Refer to Brockie, Douglas C.

Hargrove, Gene

 Relation of a chert zone to development of Devils Icebox, Boone County, Missouri: Missouri Speleology, vol. 10, no. 1, pp. 15-21, 3 figs., January 1968.

Harvey, E. J. Refer also to Skelton, John

 (and Skelton, John) Hydrologic study of a waste-disposal problem in a karst area at Springfield, Missouri, in Geological Survey Research, 1968, Chapter C: U. S. Geol. Survey, Prof. Paper 600-C, pp. 217-220, 3 figs., 2 tables, 1968.

Hayes, William C.

1. Eleventh biennial report of the State Geologist, to the 75th

- General Assembly, 1966-68: Missouri Geol. Survey and Water Resources, 40 p., illus., 1968.
- Mining in Missouri, in Missouri Business, vol. 18, no. 7, pp. 6-10,
 12, 15-16, 42-46, 48-49, July-August 1968.
- 3. Potential deep-well disposal of industrial wastes in Missouri: Missouri Mineral Industry News, vol. 8, no. 4, pp. 35-42, 4 figs., April 1968.

Hedden, William Jesse

1. The geology of the Thayer area emphasizing the stratigraphy of the Cotter and the Jefferson City Formations: unpublished Masters thesis, Univ. of Missouri--Rolla, Rolla, Missouri, 1968.

Heigold, Paul C.

1. Notes on the earthquake of November 9, 1968, in southern Illinois: Illinois State Geol. Survey, Environ. Geology Notes, no. 24, 16 p., 3 figs., 1 table, December 1968.

Heim, G. E., Jr. Refer to Howe, W. B. Heivilin, Fred G.

 The stratigraphy and lithology of the Ste. Genevieve Formation between White Hill, Illinois and Ste. Genevieve, Missouri: unpublished Masters thesis, Southern Illinois Univ., Carbondale, Illinois, July 1967.

Herrick, Stephen M.

 (and Rima, Donald R.) Foraminifera from the Clayton Formation (Paleocene) in southeastern Hardeman County, Tennessee, in Geological Survey Research 1968, Chapter C: U. S. Geol. Survey, Prof. Paper 600-C, pp. 69-74, 2 figs., 2 tables, 1968.

Hinchey, Norman S. Refer to Tikrity, Sammi

Hosman, R. L. Refer also to Boswell, E. H.

 (Long, A. T., Lambert, T. W., Jeffery, H. G., and others) Tertiary aquifers in the Mississippi embayment, with discussions of quality of the water, in Water Resources of the Mississippi Embayment: U. S. Geol. Survey, Prof. Paper 448-D, 29 p., 4 figs., 8 pls., 14 tables, 1968.

Howe, Wallace B. Refer also to Parizek, Eldon J.

1. Guidebook to Pleistocene and Pennsylvanian formations in the St.

- St. Joseph area, Missouri: Assoc. Missouri Geologists, 15th Ann. Mtg. and Field Trip, 45 p., illus., October 1968.
- 2. Planar stromatolites and burrowed carbonate mud facies in Cambrian strata of the St. Francois Mountain area: Missouri Geol. Survey and Water Resources, Rept. Inv. 41, 113 p., 1 pl., 17 figs., 1968.
- 3. (and Heim, G. E., Jr.) The Ferrelview Formation (Pleistocene) of Missouri: Missouri Geol. Survey and Water Resources, Rept. Inv. 42, 32 p., 3 figs., app., 1968.

Huang, James C.

 Quality of surface and subsurface water in a Missouri carbonate karst terrain (Dry Fork, Norman, and Benton Creek watersheds): unpublished Masters thesis, Univ. of Missouri--Rolla, Rolla, Missouri, May 1968.

Inden, Richard F.

1. Petrographic analysis and environment interpretation of the Breezy Hill Limestone in Illinois, Missouri, Kansas, and Oklahoma: unpublished Masters thesis, Univ. of Illinois, Urbana, Illinois, 1968.

Irvin, Patrick

- Interpretation of aeromagnetic data from central Missouri: unpublished Masters thesis, Washington Univ., St. Louis, Missouri, 1968.
 Jeffery, H. G. Refer to Boswell, E. H., Emmett, L. F., and Hosman, R. L.
 Jordan, P. R.
 - Summary and analysis of sediment records in relation to St. Louis harbor sedimentation problem: U. S. Geol. Survey, Open-File Rept., 30 p., 11 figs., 1968.

Kenny, Leland F.

1. A regional environmental study of the Lansing Group (Pennsylvanian) in the northern Midcontinent region: unpublished Masters thesis, Univ. of Illinois, Urbana, Illinois, 1968.

Kirby, J. R. Refer to Zietz, Isidore

Kisvarsanyi, Eva B.

1. Comparative petrographic, petrochemical, spectrographic analyses of the Precambrian granitic rocks of southeastern Missouri: unpublished Masters thesis, Univ. of Missouri, School of Mines and Met., Rolla, Missouri, 1960.

Krueger, Harold A.

1. Shaft drilling in southeast Missouri: Min. Cong. Jour., vol. 54, no. 4, pp. 46-53, illus., table, April 1968.

Lambert, T. W. Refer to Hosman, R. L.

Lineback, Jerry A.

1. Middle Mississippian submarine topography in the Illinois basin (abstract): Geol. Soc. America, Spec. Paper 115, p. 393, 1968.

Long, A. T. Refer to Hosman, R. L.

Looff, Karl Michael

 Petrology of the Higginsville Limestone, north-central Missouri: unpublished Masters thesis, Univ. of Missouri--Columbia, Columbia, Missouri, October 1968.

Lutzen, Edwin E.

 Engineering geology of the Maxville Quadrangle, Jefferson and St. Louis Counties, Missouri: Missouri Geol. Survey and Water Resources, Eng. Geology Ser. No. 1, 8 p., illus., text and map, 1:24,000 scale, May 1968.

McDaniel, Alice Carol

 An optical study of the minerals in iron deposit at Pilob Knob, Missouri: Rocks and Minerals, vol. 43, no. 10, pp. 723-728, 12 figs., October 1968.

McGinnis, L. D.

1. Glaciation as a possible cause of mineral deposition: Econ. Geology, vol. 63, no. 4, pp. 390-400, 5 figs., June-July 1968.

McMillan, R. Bruce Refer to Mehringer, Peter J., Jr.

Martin, James A. Refer to Arundale, Joseph C.

Marvin, Richard F.

 Transcontinental geophysical survey (35°-39° N) -- Radiometric age determinations of rocks: U. S. Geol. Survey, Misc. Geol. Inv. Map I-537, scale 1:7,500,000, text of 25 p., 1968.

Mateker, Emil J. Refer also to Phelan, Michael and Tikrity, Sammi

- 1. Earthquakes in Missouri: Washington Univ. Mag., vol. 39, no. 1, pp. 46-51, illus., Fall 1968.
- 2. Geologic information from geophysical anomalies in the central stable region (abstract): Geol. Soc. America, program 1968 Ann.

Mtg., North-Central Sec., p. 33, April 1968.

Matthai, H. F.

- Magnitude and frequency of floods in the United States, Part 6-B, Missouri River basin below Sioux City, Iowa: U. S. Geol. Survey, Water-Supply Paper 1680, 491 p., 15 figs., 1 pl., 3 tables, 1968.
 Mehringer, Peter J., Jr.
 - 1. (Schweger, Charles E., Wood, W. Raymond, and McMillan, R. Bruce) Late-Pleistocene boreal forest in the western Ozark Highlands?: Ecology, vol. 49, no. 3, pp. 567-568, illus., table, 1968.

Miller, John C. Refer to Carpenter, Alden B.

Missouri Speleological Survey

 Caves of Washington County: Missouri Speleology, vol. 9, no. 4, pp. 61-122, illus., October 1967.

Mueller, Leslie C. Refer to Goebel, Edwin D.

Murphy, John E.

 (and Ohle, Ernest L.) The Iron Mountain Mine, Iron Mountain, Missouri, in Ore deposits of the United States, 1933-1967, Volume I, John D. Ridge, Ed.: Am. Inst. Min., Met. and Petroleum Eng., pp. 287-302, 12 figs., 1968.

Myers, A. C., III Refer to Vincenz, S. A.

Nawrocki, Michael A.

 Hydrologic characteristics of shallow bedrock aquifers in the vicinity of Norman Creek, central Phelps County, Missouri: unpublished Masters thesis, Univ. of Missouri--Rolla, Rolla, Missouri, May 1968.

Neal, William J.

 Petrology and paleogeography of the Blackjack Creek Formation (Pennsylvanian), Missouri: unpublished Masters thesis, Univ. of Missouri -- Columbia, Columbia, Missouri, January 1968.

North, William G.

1. The stratigraphy of the formations at and beneath the Middle-Upper Devonian boundary in southern Illinois: unpublished Doctoral dissert., Univ. of Illinois, Urbana, Illinois, 1968.

Odom, A. L. Refer to Bickford, M. E.

Ogren, David E.

Stratigraphy of upper Mississippian rocks of northern Arkansas;
 Am. Assoc. Petroleum Geologists Bull., vol. 52, no. 2, pp. 282-294,
 8 figs., 2 tables, February 1968.

Ohle, Ernest L. Refer to Murphy, John E.

Parizek, Eldon J.

- 1. (Howe, Wallace B., and Williams, James H.) Geology of Independence Quadrangle, Jackson County, Missouri: Missouri Geol. Survey and Water Resources, Geol. Quad. Map Ser. No. 3, text with map on reverse, illus., one sheet, scale 1:24,000, May 1967.
- 2. Geology of Lees Summit Quadrangle, Jackson County, Missouri: Missouri Geol. Survey and Water Resources, Geol. Quad. Map Ser. No. 1, text with map on reverse, illus., one sheet, scale 1:24,000, March 1968.

Park, Frederick B.

1. Remanent magnetism and the anomaly at Cottoner Mountain, Madison County, Missouri: Geophysics, vol. 33, no. 4, pp. 613-620, illus., table, 1968.

Park, Won C.

 (and Schot, Erik H.) Stylolites: their nature and origin: Jour. Sed. Petrology, vol. 38, no. 1, pp. 175-191, 14 figs., 1 table, March 1968.

Patterson, James L.

 (and Gamble, Charles R.) Magnitude and frequency of floods in the United States, Part 5: Hudson Bay and Upper Mississippi River basins: U. S. Geol. Survey, Water-Supply Paper 1678, 546 p., 13 figs., 1 pl., 2 tables, 1968.

Phelan, Michael

1. (and Mateker, Emil J., Jr.) Geologic implications of geophysical data along the eastern flank of the Ozark uplift (abstract): Geol. Soc. America, Spec. Paper 115, pp. 395-396, 1968.

Porter, James L.

1. Developments in the north Mid-Continent in 1967: Am. Assoc. Petroleum Geologists Bull., vol. 52, no. 6, pp. 981-985, 1 fig., 3 tables, June 1968.

Purteet, Bryan Refer to Roskam, Oliver

Purteet, Ida Refer to Roskam, Oliver

Reams, Max W.

 Cave sediments and the geomorphic history of the Ozarks: unpublished Doctoral dissert., Washington Univ., St. Louis, Missouri, August 1968.

Reed, Bryam E., Jr.

- 1. Detrital dolomite in the Dutchtown Formation of southeast Missouri (abstract): Missouri Acad. Sci. Trans., vol. 2, p. 128, August 1968.
- Petrology of the Dutchtown Formation, southeast Missouri: unpublished Masters thesis, Univ. of Missouri--Columbia, Columbia, Missouri, August 1968.

Rhodes, Dallas D.

 A study of the position of streams in their valleys in Missouri: Missouri Acad. Sci. Trans., vol. 2, pp. 25-30, 3 figs., August 1968.

Richards, Marjorie P.

1. Directory of Missouri geologists and geophysicists, seventh edition: Assoc. Missouri Geologists, 39 p., 1968.

Rima, Donald R. Refer to Herrick, Stephen M.

Rimbach, Donald N. Refer to Vineyard, Jerry D.

Roome, Charles C.

 Selected aspects of the southeast Missouri mining region: unpublished Masters thesis, Univ. of Missouri--Columbia, Columbia, Missouri, August 1962.

Roskam, Betty Refer to Roskam, Oliver

Roskam, Oliver

1. (Roskam, Betty, Purteet, Bryan, and Purteet, Ida) Missouri's official state mineral and rock: Lapidary Jour., vol. 22, no. 5, pp. 632-633, illus., August 1968.

Rostvedt, J. O.

 (and others) Summary of floods in the United States during 1963:
 U. S. Geol. Survey, Water-Supply Paper 1830-B, 120 p., 1 fig., 1968.

Sandhaus, E. H.

 (and Skelton, John) Magnitude and frequency of Missouri floods: Missouri Geol. Survey and Water Resources, Water Resources Rept. 23, 276 p., 2 figs., 1 pl., 2 tables, December 1968.

Satterfield, Ira R.

1. Comparison of the type sections of the Sexton Creek and Bainbridge Limestones (Silurian) to strata in a reference well in southeastern Missouri (abstract): Missouri Acad. Sci. Trans., vol. 2, pp. 126-127, August 1968.

Schneider, William J.

1. Water data for metropolitan areas: U. S. Geol. Survey, Water-Supply Paper 1871, pp. 199-203, 1968.

Schot, Erik H. Refer to Park, Won C.

Schumacher, Dietmar

 (and Ethington, R. L.) Conodonts from the late Middle Devonian and early Late Devonian of central Missouri (abstract): Geol. Soc. America, program 1968 Ann. Mtg., North-Central Sec., pp. 49-50, April 1968.

Schweger, Charles E. Refer to Mehringer, Peter J., Jr. Scintrex Airborne Geophysics

- Aeromagnetic map of Bolivar Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, Rolla, Missouri, 1 sheet, 1968.
- 2. Aeromagnetic map of Buffalo Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, Rolla, Missouri, 1 sheet, 1968.
- 3. Aeromagnetic map of Joplin East Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, Rolla, Missouri, 1 sheet, 1968.
- 4. Aeromagnetic map of Morrisville Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, Rolla, Missouri, 1 sheet, 1968.
- Aeromagnetic map of Neosho Quadrangle, Missouri: Missouri Geol.
 Survey and Water Resources, Rolla, Missouri, 1 sheet, 1968.
- 6. Aeromagnetic map of Ritchey Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, Rolla, Missouri, 1 sheet, 1968.
- 7. Aeromagnetic map of Sarcoxie Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, Rolla, Missouri, 1 sheet, 1968.
- 8. Aeromagnetic map of Seneca Quadrangle, Missouri, Kansas, Oklahoma:

- Missouri Geol. Survey and Water Resources, Rolla, Missouri, 1 sheet, 1968.
- 9. Aeromagnetic map of Strafford Quadrangle, Missouri: Missouri Geol. Survey and Water Resources, Rolla, Missouri, 1 sheet, 1968.
- Paleocurrents in the basal clastic rocks of the Late Precambrian to Early Ordovician transgression of North America (abstract): Geol. Soc. America, program 1968 Ann. Mtg., pp. 271-272, November 1968.

Skelton, John Refer also to Sandhaus, E. H. and Harvey, E. J.

- (and Harvey, E. J.) Structural controls on streamflow in the North Fork River and Bryant Creek basins, Missouri, in Geological Survey Research, 1968, Chapter C: U. S. Geol. Survey, Prof. Paper 600-C, pp. 153-157, 3 figs., 1 table, 1968.
- 2. (and Williams, James H.) Storage requirements to augment low flows of Missouri streams, with a section on seepage losses: Missouri Geol. Survey and Water Resources, Rolla, Missouri, Water Resources Rept. 22, 78 p., 1 pl., 6 figs., 1 table, app., May 1968.

Smith, Frederick

Seeland, David A.

 Mineralization of the Boss-Bixby anomaly, Iron and Dent Counties, Missouri: unpublished Masters thesis, Univ. of Missouri--Rolla, Rolla, Missouri, 1968.

Snyder, Frank G.

- Geology and mineral deposits, Midcontinent United States, in Ore deposits of the United States, 1933-1967, Volume 1, John D. Ridge, Ed.: Am. Inst. Min., Met. and Petroleum Eng., pp. 257-286, 5 figs., 3 tables, 1968.
- 2. Tectonic history of midcontinental United States: UMR Jour., no. 1, ser. 1, pp. 65-77, 9 figs., 2 tables, April 1968.
- 3. (and Gerdemann, Paul E.) Geology of the southeast Missouri lead district, in Ore deposits of the United States, 1933-1967, Volume 1, John D. Ridge, Ed.: Am. Inst. Min., Met. and Petroleum Eng., pp. 326-358, 13 figs., 5 tables, 1968.

Stewart, S. W.

Crustal structure in Missouri by seismic-refraction methods:
 Seismol. Soc. America Bull., vol. 58, no. 1, pp. 291-323, illus.,

tables, 1968.

Stinchcomb, Bruce L.

 Geology of the Maxville Quadrangle, Jefferson and St. Louis Counties, Missouri: Missouri Geol. Survey and Water Resources, Geol. Quad. Map Ser. 2, text with map on reverse, illus., one sheet, scale 1:24,000, May 1968.

Straka, Joseph J., Jr.

 Conodonts from the Kinderhookian Series, Washington County, Iowa (abstract): Geol. Soc. America, program 1968 Ann. Mtg., North-Central Sec., p. 50, April 1968.

Sullivan, John S., Jr.

- 1. Carbonate sand bodies in the Westerville Limestone in and around Raytown, Missouri (abstract): Missouri Acad. Sci. Trans., vol. 2, p. 126, August 1968.
- Sedimentation and carbonate petrology of the Westerville Limestone Member (Pennsylvanian), Raytown, Missouri: unpublished Masters thesis, Univ. of Missouri--Columbia, Columbia, Missouri, January 1968.

Thompson, T. L. Refer also to Fellows, L. D., and Goebel, Edwin D.

1. Problems in relating Osagean conodonts from Missouri to a natural conodont classification (abstract): Geol. Soc. America, program 1968 Ann. Mtg., North-Central Sec., pp. 50-51, April 1968.

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- (Mateker, Emil J., Jr., and Hinchey, Norman S.) Geological-geophysical investigation of faulting along the eastern flank of the Ozark uplift (abstract): Geol. Soc. America, Spec. Paper 115, p. 399, 1968.
- (and Mateker, Emil J.) Precambrian ancestors of the Ozark uplift (abstract): Geol. Soc. America, program 1968 Ann. Mtg., North-Central Sec., p. 39, April 1968.

Toomey, Donald Francis

1. Calcispongea (Sphinctozoa) from the Pennsylvanian (Desmoinesian)
Pawnee Limestone of northeastern Oklahoma (abstract): Geol. Soc.
America, Spec. Paper 115, pp. 222-223, 1968.

Urban, Logan L.

- 1. Palynology of the Drywood and Bluejacket coals (Pennsylvanian) of Oklahoma (abstract): Geol. Soc. America, program 1968 Ann. Mtg., South-Central Sec., pp. 39-40, March 1968.
- U. S. Air Force Aeronautical Chart and Information Center
 - 1. Transcontinental geophysical survey (35°-39° N) Bouguer gravity map from 87° to 100° W longitude: U. S. Geol. Survey, Map I-534-B, 1968.

Vincenz, S. A.

- (Braught, G. J., and Meyers, A. C., III) Thermal demagnetization of some Precambrian igneous rocks of Missouri, in The symposium on magnetism of the earth's interior: Jour. Geomagnetism and Geoelectricity, vol. 17, nos. 3-4, pp. 337-355, illus., tables, 1965.
 Vineyard, Jerry D.
 - (and Williams, James H.) A foundation problem in cavernous dolomite terrain, Pulaski County, Missouri: Missouri Speleology, vol. 10, no. 1, pp. 1-14, 7 figs., January 1968.
 - Bibliography of the geology of Missouri, 1967: Missouri Geol.
 Survey and Water Resources, Inf. Circ. 19, 57 p., September 1968.
 - (and Brod, Langford G., Jr.) Catalog of the caves of Missouri: Missouri Speleol. Survey, Rolla, Missouri, 139 p., 3 figs., 2 tables, December 1968.
 - 4. (Editor) (Brod, Langford G., Jr., Rimbach, Donald N., and others) Guidebook to select caves in southwestern Missouri: Missouri Speleology, vol. 10, no. 3, pp. 87-130, illus., July 1968.
 - Preliminary report on the geology of some large springs in the Missouri Ozarks (abstract): Caves and Karst, vol. 9, no. 6, p. 51, 1967.

Vivian, James A.

1. Progress in the St. Francis basin: Military Engineer, vol. 60, no. 396, pp. 250-252, illus., July-August 1968.

Vorhis, Robert C.

 Hydrologic effects of the earthquake of March 27, 1964 outside Alaska: U. S. Geol. Survey, Prof. Paper 544-C, pp. 28-29, 48, 1967.
 Warren, Charles R. Refer to Denny, Charles S.

Warren, D. H.

 Transcontinental geophysical survey seismic refraction profiles of the crust and upper mantle from 87° to 100° W longitude: U. S. Geol. Survey, Map I-534-D, 1968.

Water Resources Division

- Quality of surface waters of the United States, 1960, Parts 7 and
 lower Mississippi River basin and western Gulf of Mexico basins:
 U. S. Geol. Survey, Water-Supply Paper 1744, 548 p., 1 fig., 1968.
- Water resources data for Missouri, Part 1: Surface water records, 1967: U. S. Geol. Survey, Rolla, Missouri, 200 p., 1 fig., tables, 1968.
- Water resources data for Missouri, Part 2: Water quality records,
 1967: U. S. Geol. Survey, Rolla, Missouri, 47 p., 1 fig., 1968.
- Water resources investigations in Missouri, 1968: U. S. Geol. Survey, folder, illus., 1968.

Waugh, Truman C. Refer to Goebel, Edwin D.

Wells, Jack S. Refer also to Anderson, Kenneth H.

1. (and Anderson, K. H.) Heavy oil in western Missouri: Am. Assoc. Petroleum Geologists Bull., vol. 52, no. 9, pp. 1720-1731, 5 figs., 1968.

Wharton, Heyward M.

- Lead and zinc in Missouri--A commentary on some current articles: Missouri Mineral Industry News, vol. 8, no. 1, pp. 1-7, 5 tables, 1968.
- 2. Second thoughts about lead and zinc in Missouri: Missouri Mineral Industry News, vol. 8, no. 3, pp. 25-28, March 1968.

Willden, C. R.

1. (and Carlson, J. E.) Transcontinental geophysical survey (35°-39° N) geologic map from 87° to 100° W longitude: U. S. Geol. Survey, Map I-534-C, 1968.

Williams, James H. Refer to Parizek, Eldon J.; Skelton, John; and Vineyard, Jerry D.

Wood, W. Raymond Refer to Mehringer, Peter J., Jr.

Zietz, Isidore

1. (and Kirby, J. R.) Transcontinental geophysical survey (35°-39° N)

magnetic map, 87° to 100° W longitude: U. S. Geol. Survey, Map I-534-A, 1968.

Zimmerman, R. A.

1. (and Amstutz, G. C.) Southeast Missouri geology: details from Annapolis area and Ketcherside Gap, Missouri: Am. Assoc. Petroleum Geologists Bull., vol. 52, no. 4, pp. 703-708, 2 figs., April 1968.

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Geology and ore deposits of the Tri-State district: Brockie, 1.

Geology of the Pea Ridge iron ore body: Emery, 1.

Optical study of the minerals at Pilot Knob: McDaniel, 1.

Iron Mountain Mine: Murphy, 1.

Geology of the southeast Missouri lead district: Snyder, 3.

SERICITE

Geology of the Pea Ridge iron ore body: Emery, 1.

SIEGENITE

Geology and ore deposits of the Tri-State district: Brockie, 1.

Geology of the southeast Missouri lead district: Snyder, 3.

STRONTTANTTE

Chemical character of saline subsurface water: Carpenter, 1. WITHERITE

Chemical character of saline subsurface water: Carpenter, 1.

PALEOBOTANY

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Palynology of the Drywood and Bluejacket coals: Urban, 1. GENERAL

A Pennsylvanian Pteridosperm from Missouri: Cridland, 1. Pleistocene boreal forest in the Ozarks: Mehringer, 1.

PALEOECOLOGY

GENERAL

Paleoecology of the Mifflin Formation (Pennsylvanian): Farrell, 1. GRAPTOLITES

Biostratigraphy of the "Fernvale" Formation: Alberstadt, 1.

PALE OGE OGRAPHY

GENERAL

Petrology and paleogeography of the Blackjack Creek Formation (Pennsylvanian): Neal, 1.

PALEONTOLOGY

ANNELIDA

Scalarituba missouriensis and its stratigraphic distribution: Conkin, James E., 2.

BRACHTOPODA

Biostratigraphy of the "Fernvale" Formation: Alberstadt, 1. BONES

The Altenburg bone beds (Devonian) of southeastern Missouri: Fraunfelter, 2.

COELENTERATA

Stratigraphy and lithology of the Ste. Genevieve Formation: Heivilin, 1.

Calcispongea from the Pawnee Limestone (Pennsylvanian): Toomey, 1. CONODONTS

Biostratigraphy of the "Fernvale" Formation: Alberstadt, 1.

Conodonts and biostratigraphy of the lower Mississippian of Missouri: Canis, 1.

Conodont studies as evidence of sorting: Ellison, 1.

Osagean (Mississippian) rocks of southwestern and eastern Missouri: Fellows, 2.

Mississippian conodonts from the Tri-State district: Goebel, 2.

Petrology of the Dutchtown Formation (Ordovician): Reed, 2.

Devonian conodonts of central Missouri: Schumacher, 1.

Kinderhookian conodonts from Iowa: Straka, 1.

Osagean conodonts from Missouri and a natural conodont classification: Thompson, 1.

CRINOIDEA

Stratigraphy and lithology of the Ste. Genevieve Formation: Heivilin, 1.

FORAMINIFERA

Devonian-Mississippian boundary: Conkin, James E., 1.

Foraminifera from the Clayton Formation (Paleocene): Herrick, 1. GENERAL

Age and correlation of the Tully and Cedar Valley Formations: Cooper, 1.

Paleoecology of the Mifflin Formation (Pennsylvanian): Farrell, 1.

Devonian biofacies of central and northeastern Missouri: Fraunfelter,

1.

Petrology of the Higginsville Limestone (Pennsylvanian): Looff, 1.

PETROLOGY AND PETROGRAPHY

IGNEOUS ROCKS

Petrographic features of welded tuffs: Anderson, Jay Earl, 1.

Basement rocks in northcast Oklahoma: Dennison, 1.

Analyses of Precambrian rocks of southeastern Missouri: Kisvarsanyi, 1. SEDIMENTARY ROCKS

Biostratigraphy of "Fernvale" Formation: Alberstadt, 1.

Paleoecology of the Mifflin Formation (Pennsylvanian): Farrell, 1.

Dolomite in Kinderhook (Mississippian) rocks of Missouri: Frey, 1.

Stratigraphy and lithology of the Ste. Genevieve Formation: Heivilin, 1.

Stromatolites and burrowed carbonate mud facies in Cambrian strata: Howe, 2.

Petrographic analysis of the Breezy Hill Limestone: Inden, 1.

Petrology of the Higginsville Limestone (Pennsylvanian): Looff, 1.

Petrology and paleogeography of the Blackjack Creek Formation (Pennsylvanian): Neal, 1.

Nature and origin of stylolites: Park, Won C., 1.

Cave sediments and the geomorphic history of the Ozarks: Reams, 1.

Detrital dolomite in the Dutchtown Formation: Reed, 1.

Petrology of the Dutchtown Formation (Ordovician): Reed, 2.

Carbonate sand bodies in the Westerville Limestone (Pennsylvanian): Sullivan, 1.

The Westerville Limestone (Pennsylvanian) of Missouri: Sullivan, 2.

PHYSIOGRA PHY

CAVES

Broken Shin Cave: Bray, 1.

Role of chert in cavern development: Hargrove, 1.

Geology of the Thayer area: Hedden, 1.

Foundation problem in cavernous dolomite terrain: Vineyard, 1.

Caves of Washington County: Missouri Speleological Survey, 1.

Cave sediments and geomorphic history of the Ozarks: Reams, 1.

Catalog of the caves of Missouri: Vineyard, 1.

Guidebook to caves in southwestern Missouri: Vineyard, 3.

GENERAL

Air photos of geologic features: Denny, 1.

The Pleistocene at St. Louis: Frank, 1.

Geology of the Thayer area: Hedden, 1.

Aspects of the southeast Missouri mining region: Roome, 1.

KARST TOPOGRAPHY

Hydrologic study of a karst area near Springfield: Harvey, 1.

Geology of the Thayer area: Hedden, 1.

Structural control on stream flow: Skelton, 1.

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Position of streams in their valleys: Rhodes, 1.

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GENERAL

The Pleistocene at St. Louis: Frank, 1.

Aspects of the southeast Missouri mining region: Roome, 1.

STRATIGRAPHY

AFTONIAN STAGE

Guidebook to Pleistocene and Pennsylvanian deposits in the St. Joseph area: Howe, 1.

BACHELOR FORMATION

Dolomite in Kinderhook (Mississippian) rocks of Missouri: Frey, 1.

BAINBRIDGE LIMESTONE

Sexton Creek and Bainbridge Limestones (Silurian) in a reference well: Satterfield, 1.

BEAUVAIS SANDSTONE

The Altenburg bone beds (Devonian) of southeastern Missouri: Fraunfelter, 2.

BLACKJACK CREEK FORMATION

Petrology and paleogeography of the Blackjack Creek Formation (Pennsylvanian): Neal, 1.

BOGGY FORMATION

Palynology of the Drywood and Bluejacket coals: Urban, 1. BONNETERRE FORMATION

Stromatolites and burrowed carbonate mud facies in Cambrian strata: Howe, 2.

Geology of the southeast Missouri lead district: Snyder, 3. BREEZY HILL LIMESTONE

Petrographic analyses of the Breezy Hill Limestone: Inden, 1. BURLINGTON LIMESTONE

Osagean (Mississippian) rocks of southwestern and eastern Missouri: Fellows, 2.

Role of chert in cave development: Hargrove, 1.

Hydrologic studies of a karst area near Springfield: Harvey, 1.

Kinderhookian conodonts from Iowa: Straka, 1.

BUSHBERG FORMATION

Geology of the Maxville Quadrangle, Jefferson and St. Louis Counties: Stinchcomb, 1.

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The Excello Shale as a clue to locating buried reefs: Cassidy, 1. CALLAWAY FORMATION

Age and correlation of the Tully and Cedar Valley Formations: Cooper, 1.

Devonian conodonts of central Missouri: Schumacher, 1. CAMBRIAN SYSTEM

Forest City basin: Anderson, Kenneth H., 1.

Early Paleozoic overlap, southern Midcontinent: Chenoweth, 1.

Geology of the Thayer area: Hedden, 1.

Stromatolites and burrowed carbonate mud facies in Cambrian strata: Howe, 2.

Geology of the southeast Missouri lead district: Snyder, 3.

Southeast Missouri geology: Zimmerman, 1.

CANADIAN SERIES

Geology of the Thayer area: Hedden, 1.

Nature and origin of stylolites: Park, Won, C., 1.

Structural controls on stream flow: Skelton, 1.

CAPE LIMESTONE

Biostratigraphy of the "Fernvale" Formation: Alberstadt, 1. CEDAR VALLEY FORMATION

Age and correlation of the Tully and Cedar Valley Formations: Cooper,

Devonian biofacies of central and northeastern Missouri: Fraunfelter, 1.

CHERRYVALE FORMATION

The Westerville Limestone (Pennsylvanian) of Missouri: Sullivan, 2. CHESTERIAN SERIES

Mississippian rocks of western Kansas: Goebel, 1.

Stratigraphy of Mississippian rocks of northern Arkansas: Ogren, 1. CHOUTEAU LIMESTONE

Dolomite in Kinderhook (Mississippian) rocks of Missouri: Frey, 1. CLAYTON FORMATION

Foraminifera from the Clayton Formation (Paleocene): Herrick, 1. COAL CITY LIMESTONE MEMBER

Calcispongea from the Pawnee Limestone (Pennsylvanian): Toomey, 1. COTTER DOLOMITE

Geology of the Thayer area: Hedden, 1.

DAVIS FORMATION

Stromatolites and burrowed carbonate mud facies in Cambrian strata: Howe, 2.

Geology of the southeast Missouri lead district: Snyder, 3. DECORAH FORMATION

Geology of the Maxville Quadrangle, Jefferson and St. Louis Counties: Stinchcomb, 1.

DERBY-DOERUN DOLOMITE

Stromatolites and burrowed carbonate mud facies in Cambrian strata: Howe, 2.

Geology of the southeast Missouri lead district: Snyder, 3. DESMOINESIAN SERIES

Excello Shale as a clue to locating buried reefs: Cassidy, 1.

A Pennsylvanian Pteridosperm from Missouri: Cridland, 1.

Petrology of the Higginsville Limestone (Pennsylvanian): Looff, 1.

Petrology and paleogeography of the Blackjack Creek Formation (Pennsylvanian): Neal, 1.

Calcispongea from the Pawnee Limestone (Pennsylvanian): Toomey, 1.

Palynology of the Drywood and Bluejacket coals: Urban, 1.

DEVONIAN SYSTEM

Forest City basin: Anderson, Kenneth H., 1.

Devonian-Mississippian boundary: Conkin, James E., 1.

Age and correlation of the Tully and Cedar Valley Formations: Cooper, 1.

Devonian biofacies of central and northeastern Missouri: Fraunfelter, 1.

The Altenburg bone beds (Devonian) of southeast Missouri: Fraunfelter,

Stratigraphy of the middle-upper Devonian boundary in Illinois: North, 1.

Devonian conodonts of central Missouri: Schumacher, 1.

Geology of the Maxville Quadrangle, Jefferson and St. Louis Counties: Stinchcomb, 1.

DUTCHTOWN FORMATION

Detrital dolomite in the Dutchtown Formation: Reed, 1.

Petrology of the Dutchtown Formation (Ordovician): Reed, 2.

ELSEY FORMATION

Osagean (Mississippian) rocks of southwestern and eastern Missouri: Fellows, 2.

EMINENCE DOLOMITE

Stromatolites and burrowed carbonate mud facies in Cambrian strata: Howe, 2.

EXCELLO SHALE MEMBER

Excello Shale as a clue to locating buried reefs: Cassidy, 1.

FERN GLEN FORMATION

Osagean (Mississippian) rocks of southwestern and eastern Missouri: Fellows, 2.

"FERNVALE" FORMATION

Biostratigraphy of the "Fernvale" Formation: Alberstadt, 1.

FERRELVIEW FORMATION

The Ferrelview Formation: Howe, 3.

GASCONADE DOLOMITE

Structural controls on stream flow: Skelton, 1.

GENERAL

Engineering geology of the Maxville Quadrangle, Jefferson and St. Louis Counties: Lutzen, 1.

Tectonic history of midcontinental United States: Snyder, 2.

GRAND TOWER LIMESTONE

The Altenburg bone beds (Devonian) of southeastern Missouri: Fraunfelter, 2.

HANNIBAL FORMATION

<u>Scalarituba</u> <u>missouriensis</u> and its stratigraphic distribution: Conkin, James E., 2.

Dolomite in Kinderhook (Mississippian) rocks of Missouri: Frey, 1. HIGGINSVILLE LIMESTONE

Petrology of the Higginsville Limestone (Pennsylvanian): Looff, 1. HOGAN MOUNTAIN RHYOLITE

Geochronology of igneous events in the St. Francois Mountains: Bickford, 1.

ILLINOIAN STAGE

Guidebook to Pleistocene and Pennsylvanian deposits in the St. Joseph area: Howe, 1.

JEFFERSON CITY DOLOMITE

Geology of the Thayer area: Hedden, 1.

Nature and origin of stylolites: Park, Won C., 1.

Structural controls on stream flow: Skelton, 1.

KANSAN STAGE

Guidebook to Pleistocene and Pennsylvanian deposits in the St. Joseph area: Howe, 1.

KIMMSWICK FORMATION

Geology of the Maxville Quadrangle, Jefferson and St. Louis Counties: Stinchcomb, 1.

KINDERHOOKIAN SERIES

<u>Scalarituba</u> <u>missouriensis</u> and its stratigraphic distribution: Conkin, James E., 2.

Dolomite in Kinderhook (Mississippian) rocks of Missouri: Frey, 1.

Mississippian rocks of western Kansas: Goebel, 1.

Kinderhookian conodonts from Iowa: Straka, 1.

KREBS GROUP

Palynology of the Drywood and Bluejacket coals: Urban, 1.

LAMOTTE SANDSTONE

Stromatolites and burrowed carbonate mud facies in Cambrian strata: Howe, 2.

LANSING GROUP

Environmental study of the Lansing Group (Pennsylvanian) in the northern Midcontinent: Kenny, 1.

MAGEE GRANITE

Geochronology of the igneous events in the St. François Mountains: Bickford, 1.

MAQUOKETA SHALE

Petrogenesis of the Maquoketa (Ordovician) phosphate beds: Bromberger, 1.

Geology of the Maxville Quadrangle, Jefferson and St. Louis Counties: Stinchcomb, 1.

MERAMECIAN SERIES

Mississippian rocks of western Kansas: Goebel, 1.

MIFFLIN FORMATION

Paleoecology of the Mifflin Formation (Pennsylvanian): Farrell, 1. MIDWAY GROUP

Foraminifera from the Clayton Formation (Paleocene): Herrick, 1.
MISSISSIPPIAN SYSTEM

Forest City basin: Anderson, Kenneth H., 1.

Geology and ore deposits of the Tri-State district: Brockie, 1.

Conodonts and biostratigraphy of the lower Mississippian of Missouri: Canis, 1.

Devonian-Mississippian boundary: Conkin, James E., 1.

<u>Scalarituba</u> <u>missouriensis</u> and its stratigraphic distribution: Conkin, James E., 2.

Osagean (Mississippian) rocks of southwestern and eastern Missouri: Fellows, 2.

Dolomite in Kinderhook (Mississippian) rocks of Missouri: Frey, 1.

Mississippian rocks of western Kansas: Goebel, 1.

Mississippian conodonts from the Tri-State district: Goebel, 2.

Role of chert in cave development: Hargrove, 1.

Hydrologic study of a karst area near Springfield: Harvey, 1.

Stratigraphy and lithology of the Ste. Genevieve Formation: Heivilin, 1.

Mississippian submarine topography in the Illinois basin: Lineback, 1.

Stratigraphy of Mississippian rocks of northern Arkansas: Ogren, 1.

Kinderhookian conodonts from Iowa: Straka, 1.

Osagean conodonts from Missouri and a natural conodont classification: Thompson, 1.

MISSOURIAN SERIES

Sedimentary model for Pennsylvanian (Missourian) rocks of the Midcontinent: Cocke, 1.

The Westerville Limestone (Pennsylvanian) of Missouri: Sullivan, 2.

MUNGER GRANITE PORPHYRY

Geochronology of igneous events in the St. Francois Mountains: Bickford, 1.

NEBRASKAN STAGE

Guidebook to Pleistocene and Pennsylvanian deposits in the St. Joseph area: Howe, 1.

NORTHVIEW FORMATION

<u>Scalarituba</u> <u>missouriensis</u> and its stratigraphic distribution: Conkin, James E., 2.

Dolomite in Kinderhook (Mississippian) rocks of Missouri: Frey, 1. ORDOVICIAN SYSTEM

Biostratigraphy of the "Fernvale" Formation: Alberstadt, 1.

Forest City basin: Anderson, Kenneth H., 1.

Petrogenesis of Maquoketa (Ordovician) phosphate beds: Bromberger, 1.

Stratigraphy of Mississippian rocks of northern Arkansas: Ogren, 1.

Geology of the Maxville Quadrangle, Jefferson and St. Louis Counties: Stinchcomb, 1.

PALEOCENE SERIES

Foraminifera from the Clayton Formation (Paleocene): Herrick, 1.

PALEOZOIC ERA

Geology and ore deposits of the Tri-State district: Brockie, 1.

Geology of the Pea Ridge iron ore body: Emery, 1.

Cave sediments and the geomorphic history of the Ozarks: Reams, 1.

Geology and mineral deposits, Midcontinent U. S.: Snyder, 1.

PAWNEE LIMESTONE

Calcispongea from the Pawnee Limestone (Pennsylvanian): Toomey, 1.
PENNSYLVANIAN SYSTEM

Forest City basin: Anderson, Kenneth H., 1.

Excello Shale as a clue to locating buried reefs: Cassidy, 1.

Sedimentary model for Pennsylvanian (Missourian) rocks of the Midcontinent: Cocke, 1.

A Pennsylvanian Pteridosperm from Missouri: Cridland, 1.

Superposed cyclic phenomena in the late Paleozoic of the Midcontinent: Elias, 1.

Paleoecology of the Mifflin Formation (Pennsylvanian): Farrell, 1.

Structural movements in sedimentation during the Pennsylvanian: Gentile, 1.

Guidebook to Pleistocene and Pennsylvanian deposits in the St. Joseph area: Howe, 1.

Environmental study of the Lansing Group (Pennsylvanian) in the northern Midcontinent: Kenny, 1.

Petrology of the Higginsville Limestone (Pennsylvanian): Looff, 1.

Petrology and paleogeography of the Blackjack Creek Formation (Pennsylvanian): Neal, 1.

Geology of Independence and Lees Summit Quadrangles, Jackson County: Parizek, 1 and 2.

Carbonate sand bodies in the Westerville Limestone (Pennsylvanian): Sullivan, 1.

The Westerville Limestone (Pennsylvanian) of Missouri: Sullivan, 2.

Calcispongea from the Pawnee Limestone (Pennsylvanian): Toomey, 1.

Palynology of the Drywood and Bluejacket coals: Urban, 1.

Heavy oil in western Missouri: Wells, 1.

PIERSON FORMATION

Osagean (Mississippian) rocks of southwestern and eastern Missouri: Fellows, 2.

PILOT KNOB FELSITE

Geochronology of igneous events in the St. Francois Mountains: Bickford, 1.

PLATTIN FORMATION

Geology of the Maxville Quadrangle, Jefferson and St. Louis Counties: Stinchcomb, 1.

PLEISTOCENE SERIES

The Pleistocene of St. Louis: Frank, 1.

Pleistocene and Recent geology of St. Louis: Goodfield, 1.

Guidebook to Pleistocene and Pennsylvanian deposits in the St. Joseph area: Howe, 1.

The Ferrelview Formation: Howe, 3.

Pleistocene boreal forest in the Ozarks: Mehringer, 1.

Geology of the Independence and Lees Summit Quadrangles, Jackson County: Parizek, 1 and 2.

PORTERS CREEK CLAY

Foraminifera from the Clayton Formation (Paleocene): Herrick, 1. POTOSI DOLOMITE

Stromatolites and burrowed carbonate mud facies in Cambrian strata: Howe, 2.

PRECAMBRIAN ERA

Geochronology of igneous events in the St. Francois Mountains: Bickford, 1.

Early Paleozoic overlap, southern Midcontinent: Chenoweth, 1.

Geology of the Pea Ridge iron ore body: Emery, 1.

Geology of the Thayer area: Hedden, 1.

Analyses of Precambrian rocks of southeastern Missouri: Kisvarsanyi, 1.

Iron Mountain Mine: Murphy, 1.

Paleocurrents in the basal clastic rocks of the late Precambrian to early Ordovician transgression of North America: Seeland, 1.

Geology and mineral deposits, Midcontinent U.S.: Snyder, 1.

Precambrian ancestors of the Ozark uplift: Tikrity, 2.

Thermal demagnetization of igneous rocks: Vincenz, 1.

Southeast Missouri geology: Zimmerman, 1.

OUATERNARY SYSTEM

The Pleistocene at St. Louis: Frank, 1.

Pleistocene and Recent geology of St. Louis: Goodfield, 1.

Foraminifera from the Clayton Formation (Paleocene): Herrick, 1.

Guidebook to Pleistocene and Pennsylvanian deposits in the St. Joseph area: Howe, 1.

The Ferrelview Formation: Howe, 3.

Pleistocene boreal forest in the Ozarks: Mehringer, 1.

Geology of the Independence and Lees Summit Quadrangles, Jackson County: Parizek, 1 and 2.

REEDS SPRING FORMATION

Osagean (Mississippian) rocks of southwestern and eastern Missouri: Fellows, 2.

ROUBIDOUX FORMATION

Structural controls on stream flow: Skelton, 1.

ROYAL GORGE RHYOLITE

Geochronology of igneous events in the St. Francois Mountains: Bickford, 1.

STE. GENEVIEVE FORMATION

Stratigraphy and lithology of the Ste. Genevieve Formation: Heivilin,

ST. LAURENT FORMATION

The Altenburg bone beds (Devonian) of southeastern Missouri: Fraunfelter, 2.

SANGAMONTAN STAGE

Guidebook to Pleistocene and Pennsylvanian deposits of the St. Joseph area: Howe, 1.

SEDALIA FORMATION

Dolomite in Kinderhook (Mississippian) rocks of Missouri: Frey, 1.

SEXTON CREEK LIMESTONE

Sexton Creek and Bainbridge Limestones (Silurian) in a reference well: Satterfield, 1.

SILURIAN SYSTEM

Forest City basin: Anderson, Kenneth, H., 1.

Sexton Creek and Bainbridge Limestones (Silurian) in a reference well: Satterfield, 1.

Geochronology of igneous events in the St. François Mountains: Schumacher, 1.

SILVERMINE GRANITE

Geochronology of igneous events in the St. Francois Mountains: Bickford, 1.

SNYDER CREEK SHALE

Devonian conodonts of central Missouri: Schumacher, 1.

STOUTS CREEK RHYOLITE

Geochronology of igneous events in the St. François Mountains: Bickford, 1.

VERDIGRIS FORMATION

A Pennsylvanian Pteridosperm from Missouri: Cridland, 1. WESTERVILLE LIMESTONE MEMBER

Carbonate sand bodies in the Westerville Limestone (Pennsylvanian): Sullivan, 1.

The Westerville Limestone (Pennsylvanian): Sullivan, 2.

WISCONSINAN STAGE

Guidebook to Pleistocene and Pennsylvanian deposits in the St. Joseph area: Howe, 1.

YARMOUTHIAN STAGE

Guidebook to Pleistocene and Pennsylvanian deposits in the St. Joseph area: Howe, 1.

STRUCTURE

ASTROBLEMES

Shatter-coned astroblemes: Dietz, 1.

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Heavy oil in western Missouri: Wells, 1.

CALDERAS

Lineaments and possible calderas in the St. François Mountains: Gillerman, 1.

CAP AU GRES FAULT

Faulting along the eastern flank of the Ozark uplift: Tikrity, 1. CRUSTAL STRUCTURE

Crustal structure in Missouri: Stewart, 1.

CRYPTOEXPLOSIVE STRUCTURES

Geology, mineral deposits and tectonic history of Midcontinental U.S.: Snyder, 1 and 2.

FOREST CITY BASIN

Forest City basin: Anderson, Kenneth H., 1.

Heavy oil in western Missouri: Wells, 1.

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Iron Mountain Mine: Murphy, 1.

Geology of the southeast Missouri lead district: Snyder, 3.

Precambrian ancestors of the Ozark uplift: Tikrity, 2.

Southeast Missouri geology: Zimmerman, 1.

JOINTS

Structural control on stream flow: Skelton, 1.

LINCOLN FOLD

Faulting along the eastern flank of the Ozark uplift: Tikrity, 1. LINEAMENTS

Lineaments and possible calderas in the St. François Mountains: Gillerman, 1.

MANSFIELD FAULT

Structural controls on stream flow: Skelton, 1.

MISSOURI PLATFORM

Heavy oil in western Missouri: Wells, 1.

NEW MADRID FAULT ZONE

Earthquake of November 1968 in southern Illinois: Heigold, 1. OZARK UPLIFT

Geophysical data along the eastern flank of the Ozark uplift: Phelan, 1.

Heavy oil in western Missouri: Wells, 1.

ROCK BURST FAULT

Geology of the Pea Ridge iron ore body: Emery, 1.

STE. GENEVIEVE FAULT ZONE

Stratigraphy and lithology of the Ste. Genevieve Formation: Heivilin, 1.

Faulting along the eastern flank of the Ozark uplift: Tikrity, 1.

SCHELL CITY-RICH HILL ANTICLINE

Structural movement and sedimentation during the Pennsylvanian:
Gentile, 1.

SHATTER CONES

Shatter-coned astroblemes: Dietz, 1.

WITTENBURG TROUGH

Stratigraphy and lithology of the Ste. Genevieve Formation: Heivilin,

Faulting along the eastern flank of the Ozark uplift: Tikrity, 1.

MISCELLANEOUS

ASTROBLEMES

Shatter-coned astroblemes: Dietz, 1.

BIBLIOGRAPHY

Bibliography of the geology of Missouri, 1967: Vineyard, 1. CATALOG

Catalog of the caves of Missouri: Vineyard, 2.

DIRECTORY

Directory of Missouri geologists and geophysicists: Richards, 1.

Broken Shin Cave: Bray, 1.

HARBOR SEDIMENTATION

Harbor sedimentation at St. Louis: Jordan, 1.

MEMORIAL

Memorial to Maurice Goldsmith Mehl: Ellison, 2.

RADAR IMAGERY

Lineaments and possible calderas in the St. François Mountains:
Gillerman, 1.

REPORTS, STATE GEOLOGIST

Eleventh Biennial Report of the State Geologist: Hayes, 1.
SELECTED AIR PHOTOS

Air photos of geologic features: Denny, 1.

STATE ROCK AND MINERAL

Missouri State rock and mineral: Roskam, Oliver, 1.

STUDENT PROJECTS

Student projects involving Missouri geology and geophysics: Fellows, 1.

WASTE DISPOSAL WELL

Potential deep well disposal of industrial wastes in Missouri: Hayes, 3.

MAPS

AEROMAGNETIC

Aeromagnetic quadrangle maps: Aero Service Corporation, 1-5.

Aeromagnetic map of Cardareva Quadrangle: Fairchild Aerial Surveys, 1.

Aeromagnetic quadrangle maps: Scintrex Airborne Geophysics, 1-9.

ENGINEERING GEOLOGIC

Engineering geologic map of the Maxville Quadrangle, Jefferson and St. Louis Counties: Lutzen, 1.

GEOCHRONOLOGIC

Radiometric age determination of rocks: Marvin, 1. GEOLOGIC

Transcontinental geologic map: Willden, 1. GEOLOGIC QUADRANGLE

Geologic maps of Independence and Lees Summit Quadrangles, Jackson County: Parizek, 1 and 2.

Geologic map of the Maxville Quadrangle, Jefferson and St. Louis Counties: Stinchcomb, 1.

GRAVIME TRIC

Transcontinental Bouguer gravity map: U. S. Air Force, 1. HYDROLOGIC

Ground water resources of the Missouri River alluvium: Emmett, 1. MAGNETIC

Transcontinental magnetic map: Zietz, 1.

SEISMIC REFRACTION

Transcontinental seismic refraction profiles: Warren, D. H., 1.