

**IC
25**

bibliography
of the
geology of missouri

1971

jerry d. vineyard

information circular 25
1972

MISSOURI GEOLOGICAL SURVEY & WATER RESOURCES

WALLACE B. HOWE, STATE GEOLOGIST & DIRECTOR, BOX 250, ROLLA, MO.

BIBLIOGRAPHY OF THE GEOLOGY OF MISSOURI

1971

by

Jerry D. Vineyard

INFORMATION CIRCULAR NO. 25

1972

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES

Wallace B. Howe, State Geologist and Director

Rolla, Missouri 65401

CONTENTS

	Page
Introduction	v
Bibliography	1
Index	14
Counties	14
Economic geology, mining, and metallurgy	21
Engineering geology	22
Environmental geology	23
Geochemistry	23
Geochronology	23
Geophysics	24
Hydrology	24
Mineralogy	25
Paleontology	26
Petrology and petrography	27
Physiography	28
Soils	29
Stratigraphy	30
Structure	36
Miscellaneous	36
Maps	37

INTRODUCTION

This bibliography lists published and unpublished papers concerning the geology of the State of Missouri that were issued during 1971. A few papers which appeared before 1971 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 and Mrs. Barbara Miller for preparing the typescript, and the staff of the Missouri Geological Survey for reading the manuscript.

BIBLIOGRAPHY

Aley, Thomas. Refer also to Thomson, Kenneth C.

1. Karst hydrology investigations in the Missouri Ozarks (abstract): Caves and Karst, v. 13, n. 5, p. 38, Sept.-Oct. 1971.
2. (and Thomson, Kenneth C.) Ozark Underground Laboratory, Part II: Ozark Caver, v. 3, n. 6, p. 1-19, 3 figs., 12 pls., Nov.-Dec. 1971.

Bayne, C. K.

1. (Davis, S. N.; Howe, W. B.; and O'Connor, H. G.) Detailed discussion of selected Pleistocene exposures in northeastern Kansas and northwestern Missouri, in Pleistocene stratigraphy of Missouri River valley along the Kansas-Missouri border (Guidebook, 20th Ann. Mtg., Midwest Friends of the Pleistocene): Kans. State Geol. Survey, Spec. Dist. Publ. 53, p. 8-20, sections, 1971.
2. (Davis, S. N.; Howe, W. B.; and O'Connor, H. G.) Regional Pleistocene stratigraphy of Missouri River valley along the Kansas-Missouri border (Guidebook, 20th Ann. Mtg., Midwest Friends of the Pleistocene): Kans. State Geol. Survey, Spec. Dist. Publ. 53, p. 5-8, 1971.

Berry, Archie W., Jr.

1. Rhyolite with vertical flow banding associated with rhyolitic ash-flow tuff, St. Francois Mountains, Missouri (abstract): Geol. Soc. Am., Abs. with Programs, v. 3, n. 1, p. 18, Jan. 1971.

Berry, William B. N.

1. (and Marshall, Frederick C.) Late Ordovician graptolites from the Maquoketa Formation in eastern Missouri: Jour. Paleontology, v. 45, n. 2, p. 253-257, illus., 1971.

Bockstiegel, Bill

1. Honey Branch Cave, Douglas County, Missouri: Ozark Caver, v. 2, n. 6, p. 1-21, 11 figs., 8 pls., Nov.-Dec. 1970.

Boerngen, Josephine G. Refer to Shacklette, Hansford T.

Bowie, James E.

1. Temperature of Missouri streams: U. S. Geol. Survey, Water Resources Div., 350 p., tpls., 1971.

Bowles, Jessie M. Refer to Shacklette, Hansford T.

Brown, Vernon Max

1. (and Smith, Verl L.) Geology and morphology of Brown's Cave, Douglas County, Missouri: Ozark Caver, v. 3, n. 3, p. 1-15, 9 figs., May-June 1971.

Burchett, Raymond R. Refer to Dreeszen, Vincent H.

Collinson, Charles

1. (Rexroad, Carl B.; and Thompson, Thomas L.) Conodont zonation of the North American Mississippian: Geol. Soc. Am., Mem. 127, p. 353-394, 8 figs., 1 tpls., 1970 (1971).

Connor, J. J.

1. (Shacklette, Hansford T.; and Erdman, J. A.) Extraordinary trace-element accumulations in roadside cedars near Centerville, Missouri: U. S. Geol. Survey, Prof. Paper 750-B, p. 151-156, 3 figs., 2 tpls., 1971.
2. (Erdman, J. A.; Sims, J. D.; and Ebens, R. J.) Roadside effects on trace element content of some rocks, soils, and plants of Missouri, in Trace substances in environmental health--IV: Proc. U. Mo. 4th Ann. Conf. on Trace substances in Environ. Health, p. 26-34, 1 fig., 3 tpls., 1971.

Craig, William W. Refer to Rexroad, Carl B.

Dapples, E. C.

1. Physical classification of carbonate cement in quartzose sandstones: Jour. Sed. Petrol., v. 41, n. 1, p. 196-204, 2 figs., 1 tpls., March 1971.

Davis, S. N. Refer to Bayne, C. K.

Dean, Thomas J. Refer to Fellows, L. D.

Dozy, J. J.

1. A geological model for the genesis of the lead-zinc ores of the Mississippi Valley, U. S. A.: Trans. Instn. Min. Metall. (Sec B: Appl. Earth Sci.), v. 79, p. 163-170, 1970.

Dreeszen, Vincent H.

1. (and Burchett, Raymond R.) Buried valleys in the lower part of the Missouri River basin, in Pleistocene stratigraphy of Missouri River valley along the Kansas-Missouri border (Guidebook, 20th Ann. Mtg., Midwest Friends of the Pleistocene): Kans. State Geol. Survey, Spec. Dist. Publ. 53, p. 21-25, 1971.

Ebens, R. J. Refer to Connor, J. J.

Ellison, Samuel P., Jr.

1. Memorial to Garrett A Muilenburg (1889-1968): Proc. Geol. Soc. Am. 1968, p. 215-219, portrait, 1971.

Emerson, John W.

1. Channelization: A case study: Science, v. 173, n. 3994, p. 325-326, 1 fig., 1 tbl., 23 July 1971.

Erdman, J. A. Refer to Connor, J. J.

Fellows, L. D.

1. (Vineyard, Jerry D.; Dean, Thomas J.; Williams, James H.; and Knight, Robert D.) Environmental geology in metropolitan Springfield, Missouri, a karst area (abstract): Geol. Soc. Am., Abs. with Programs, v. 3, n. 4, p. 260-261, Feb. 1971.

Finch, Warren I.

1. Geologic map of part of the Bondurant Quadrangle, Fulton County, Kentucky and New Madrid and Mississippi Counties, Missouri: U. S. Geol. Survey, Map GQ-944, one sheet, with text, scale 1:24,000, 1971.
2. Geologic map of part of the Hickman Quadrangle, Fulton County, Kentucky and Mississippi County, Missouri: U. S. Geol. Survey, Geol. Quad. Map GQ-874, map with text, 1 sheet, scale 1:24,000, 1971.

Flawn, Peter T.

1. (and Muehlberger, William R.) The Precambrian of the United States of America; south-central United States, in The Precambrian, Vol. 4: Interscience Publishers, New York, p. 73-143, 15 figs., 1970.

Ford, Nelson S. Refer to Thompson, Thomas L.

Fuller, D. L. Refer to Gann, E. E.

Gann, E. E.

1. (Harvey, E. J.; Jeffery, H. G.; and Fuller, D. L.) Water resources of northeastern Missouri: U. S. Geol. Survey, Hydrologic Inv. Atlas HA-372, 4 sheets, 1971.

Gentile, Richard J.

1. (and Jenkins, Gomer) Guidebook to the geology and utilization of underground space in the Kansas City area, Missouri: Assoc. Mo. Geologists, 10th Ann. Field Trip, 27 p., illus., 25 Sept. 1971.

Griesemer, Allan Davis

1. Paleoecology of the Ervine Creek Limestone (Pennsylvanian) in the Midcontinent region: unpubl. Ph.D. diss., U. Nebr., 1970.

Hamilton, J. C. Refer to Shacklette, Hansford T.

Harvey, E. J. Refer to Gann, E. E.

Herr, Stephen R.

1. Morphologic investigation of graptoloids from the Upper Ordovician Maquoketa Formation of Iowa with emphasis on regeneration and growth abnormalities (abstract): Geol. Soc. Am., Abs. with Programs, v. 3, n. 4, p. 265, Feb. 1971.

2. Morphologic investigation of graptoloids from the Upper Ordovician Maquoketa Formation of Iowa with emphasis on regeneration and growth abnormalities--student paper (abstract): Geol. Soc. Am., Abs. with Programs, v. 3, n. 7, p. 598, Oct. 1971.

Heyl, A. V.

1. Some aspects of genesis of zinc-lead-barite-fluorite deposits in the Mississippi Valley, U. S. A.: Trans. Instn. Min. Metall. (Sec. B: Appl. Earth Sci.), v. 78, p. 148-160, 1969. Discussion and Contribution, v. 79, p. 91-96, 1970, and v. 80, p. 70-71, 1971.

Hilliard, Henry D.

1. Topologic representations of channel networks: unpubl. Masters thesis, U. Mo.-Columbia, Columbia, Mo., June 1970.

Howe, Wallace B. Refer to Robertson, Charles E., and Bayne, C. K.

Jeffery, H. G. Refer to Gamm, E. E.

Jenkins, Gomer. Refer to Gentile, Richard J.

Johnson, Michael G.

1. Sedimentology of the Bronson Sub-Group (Missourian) in south-central Iowa (abstract): Geol. Soc. Am., Abs. with Programs, v. 3, n. 4, p. 267-268, Feb. 1971.

Klippel, Walter E.

1. Graham Cave revisited, a reevaluation of its cultural position during the Archaic Period: Mo. Archaeological Soc., Mem. 9, 66 p., 27 figs., 2 app., Oct. 1971.

Knight, Robert D. Refer to Fellows, L. D.

Knirk, Ernest P.

1. Environment and diagenesis of Salem Limestone (Mississippian), St. Louis County, Missouri: unpubl. Masters thesis, U. Mo.-Columbia, Columbia, Mo., Aug. 1970.

Kurtz, V. E.

1. Upper Cambrian Acrotretidae from Missouri: Jour. Paleontology, v. 45, n. 3, p. 470-476, 2 figs., 3 pls., May 1971.

Leach, David L., Jr.

1. Investigation of fluid inclusions in Missouri barites: unpubl. Masters thesis, U. Mo.-Columbia, Columbia, Mo., Jan. 1971.

Liebe, Richard M.

1. Conodonts from the Alexandrian and Niagaran Series (Silurian) of the Illinois basin: unpubl. Ph.D. diss., Iowa State Univ., Iowa City, Iowa, Feb. 1962.

Lin, Jia-Wen

1. Gravity and magnetic study, central Ozark uplift, Missouri: unpubl. Masters thesis, Wash. U., St. Louis, Mo., Jan. 1971.

Lutzen, Edwin E.

1. (and Rockaway, John D., Jr.) Engineering geology of St. Louis County, Missouri: Mo. Geol. Survey and Water Resources, Eng. Geol. Ser. 4, 23 p., 12 figs., 3 tbls., map, 1971.

McCracken, Mary H.

1. Structural features of Missouri: Mo. Geol. Survey and Water Resources, Rept. Inv. 49, 99 p., 11 figs., map, 1971.

Marchand, C. P. Refer to Maxwell, James C.

Marshall, Frederick C. Refer to Berry, William B. N.

Maxwell, James C.

1. (and Marchand, C. P.) Soils mapping by photointerpretation, Phelps and Dent Counties, Missouri, in Photogrammetric surveys and mapping, C. H. Croom and J. H. Senne, eds.: Proc. Symposium

Photogrammetric Surveys and Mapping, U. Mo.-Rolla, Rolla, Mo.,
p. 56-57, 3 tbls., Oct. 1971.

Miller, John C.

1. Groundwater resources of Saline County, Missouri: Mo. Geol. Survey and Water Resources, Water Resources Rept. 26, 75 p., 8 figs., 8 tbls., 1971.

Missouri Geological Survey and Water Resources. Refer to State Geological Survey of Kansas.

Missouri Speleological Survey

1. Caves of Jefferson County: Mo. Speleology, v. 12, n. 1, p. 1-33, illus., maps, Jan. 1971.
2. Pit caves of Jefferson County: Mo. Speleology, v. 12, n. 2, p. 34-67, illus., maps, April 1971.
3. Sandstone caves of Jefferson County: Mo. Speleology, v. 12, n. 3, p. 68-90, illus., July 1971.

Mitchell, Gary Clark

1. Gravity survey and crustal structure of east-central Missouri: unpubl. Masters thesis, U. Mo.-Columbia, Mo., Aug. 1971.

Morrison, Bert C.

1. An electrical potential method used at a single hole to indicate direction to better mineralization (abstract): Min. Eng., v. 22, n. 9, p. 52, 1970.

Mose, Douglas G.

1. Chronology of Precambrian volcanic rock units in the center of the St. Francois Mountains, Missouri: unpubl. Ph.D. diss., U. Kans., Lawrence, Kans., Aug. 1971.

Muehlberger, William R. Refer to Flawn, Peter T.

Nance, Roger B.

1. Petrology of the St. Laurent Limestone (Middle Devonian) of southeastern Missouri: unpubl. Masters thesis, S. Ill. Univ., June 1968.

O'Connor, H. G. Refer to Bayne, C. K.

Parmalee, Paul W.

1. Fisher and porcupine remains from cave deposits in Missouri: Ill. Acad. Sci. Trans., v. 64, n. 3, p. 225-229, 3 figs., 1971.

Pauken, Robert J.

1. Paleontological considerations of the loess deposits of western Missouri, in Pleistocene stratigraphy of Missouri River valley along the Kansas-Missouri border (Guidebook, 20th Ann. Mtg., Midwest Friends of the Pleistocene): Kans. State Geol. Survey, Spec. Dist. Publ. 53, p. 26-29, 2 pls., 1971.

Pflieger, William L.

1. A distributional study of Missouri fishes: Kans. U. Mus. Nat. Hist. Publ., v. 20, n. 3, p. 225-570, illus., tbls., 1971.

Pritchard, Charles L.

1. Petrology of Pleistocene loess from northwestern Missouri: unpubl. Masters thesis, U. Mo.-Columbia, Columbia, Mo., June 1971.

Rafferty, Milton D.

1. The springs of Springfield: urban environmental hazards: Mo. Geographer, v. 18, n. 2, p. 37-47, 6 figs., Fall 1971.

Rexroad, Carl B. Refer also to Collinson, Charles.

1. (and Craig, William W.) Restudy of conodonts from the Bainbridge Formation (Silurian) at Lithium, Missouri: Jour. Paleontology, v. 45, n. 4, p. 684-703, 2 figs., 4 pls., 1 tbl., July 1971.

Robertson, Charles E.

1. (and Howe, Wallace B.) Reassessment of Missouri's coal resources (abstract): Geol. Soc. Am., Abs. with Programs, v. 3, n. 7, p. 684, Oct. 1971.
2. Evaluation of Missouri's coal resources: Mo. Geol. Survey and Water Resources, Rept. Inv. 48, 100 p., 9 pls., 5 figs., 1 tbl., 4 app., 1971.

Robertson, Joseph L.

1. Portable plant saves rehandling truck hauling: Rock Products, p. 80-81, illus., Dec. 1971.
2. Stockpile inventory sets product schedule: Rock Products, v. 74, n. 11, p. 50-53, illus., Nov. 1971.

Rockaway, John D., Jr. Refer to Lutzen, Edwin E.

Satterfield, Ira R. Refer also to Thompson, Thomas L.

1. Conodonts and stratigraphy of the Girardeau Limestone (Ordovician) of southeast Missouri and southwest Illinois: Jour. Paleontology, v. 45, n. 2, p. 265-273, illus., tbl., 1971.

Schroeder, Walter A.

1. Some interesting landforms near Jefferson City: Mo. Geographer, v. 18, n. 2, p. 48-54, 7 figs., Fall 1971.

Shacklette, Hansford T. Refer also to Connor, J. J.

1. (Hamilton, J. C.; Josephine, G.; and Bowles, Jessie M.) Elemental composition of surficial materials in the conterminous United States: U. S. Geol. Survey, Prof. Paper 574-D, 71 p., 31 figs., 3 tbls., 1971.

Shum, Raymond W.

1. Stratigraphy of the Everton Formation (early medial Ordovician) along the Buffalo-White River traverse, northern Arkansas (Simpson

Group equivalent) (abstract): Oklahoma Geology Notes, v. 31, n. 3, p. 59-61, June 1971; unpubl. Ph.D. diss., Univ. Nebr., Lincoln, Nebr., 1970.

Sims, J. D. Refer to Connor, J. J.

Skelton, John

1. Carryover storage requirements for reservoir design in Missouri: Mo. Geol. Survey and Water Resources, Water Resources Rept. 27, 56 p., 9 figs., 1 pl., 1 tbl., app., Aug. 1971.

Smith, Verl L. Refer to Brown, Vernon Max.

State Geological Survey of Kansas

1. (and Missouri Geological Survey and Water Resources) Pleistocene stratigraphy of Missouri River valley along the Kansas-Missouri border (Guidebook, 20th Ann. Mtg., Midwest Friends of the Pleistocene): State Geol. Survey of Kansas, Spec. Dist. Publ. 53, 32 p., illus., 2 pls., 1 tbl., 1971.

Sweet, Walter C. Refer to Thompson, Thomas L.

Tacker, Allen B.

1. Sedimentology of the Lagonda Formation (Pennsylvanian), north-central Missouri: unpubl. Masters thesis, U. Mo.-Columbia, Columbia, Mo., Aug. 1970.

Taylor, Robert L.

1. Morphology of Wilson (Stinson) Cave, Lawrence County, Missouri: Ozark Caver, v. 3, n. 1, p. 1-18, 7 figs., 8 pls., Jan.-Feb. 1971.

Thompson, Thomas L. Refer also to Collinson, Charles.

1. (and Satterfield, Ira R.) Ordovician-Silurian boundary in eastern Missouri (abstract): Geol. Soc. Am., Abs. with Programs, v. 3, n. 4, p. 283, Feb. 1971.

2. (Ford, Nelson S., and Sweet, Walter C.) Conodonts from the Rushville formation (Mississippian) of Ohio: Jour. Paleontology, v. 45, n. 4, p. 704-712, 3 figs., 1 pl., July 1971.

Thomson, Kenneth C. Refer also to Aley, Thomas.

1. Geology and morphology of Crystal Cave and vicinity, Greene County, Missouri: Ozark Caver, v. 3, n. 2, p. 1-22, 10 figs., 9 pls., Mar.-Apr. 1971.
2. (and others) Caves of east-central Greene County, Missouri: Ozark Caver, v. 3, n. 4, p. 1-16, 9 figs., July-Aug. 1971.
3. (and Aley, Thomas) Ozark Underground Laboratory--Part I: Ozark Caver, v. 3, n. 5, p. 1-25, 16 figs., 2 pls., Sept-Oct. 1971.

Tidball, R. R.

1. Geochemical variation in Missouri soils, in Trace substances in environmental health--IV: Proc. U. Mo. 4th Ann. Conf. on Trace Substances in Environ. Health, p. 15-25, 2 figs., 3 tpls., 1971.

U. S. Geological Survey

1. Geochemical survey of Missouri, plans and progress for second six-month period (January-June, 1970): U. S. Geol. Survey open-file report, 60 p., 1970.
2. Geochemical survey of Missouri, plans and progress for third six-month period (July-December, 1970): U. S. Geol. Survey open-file report, 33 p., 1970.
3. Geochemical survey of Missouri, plans and progress for fourth six-month period (January-June, 1971): U. S. Geol. Survey open-file report, 63 p., 1971.

Verhulst, Albert T.

1. (and Wu, Dah Cheng) Petrology of channel sandstone bodies within the Kansas City Group (Upper Pennsylvanian) (abstract): Geol. Soc. Am., Abs. with Programs, v. 3, n. 3, p. 247, Feb. 1971.

Vineyard, Jerry D. Refer also to Fellows, L. D.

1. Sandstone shelter caves in Shelter Hollow, Jefferson County, Missouri: Missouri Speleology, v. 12, n. 3, p. 91-96, 2 figs., July 1971.
2. Water tracing in the Wilson Creek area, Greene and Christian Counties, Missouri: Ozark Caver, v. 2, n. 5, p. 1-12, 4 figs., 6 pls., Sept.-Oct. 1970.
3. Topographic maps and the development of natural resources in Missouri, in Photogrammetric surveys and mapping, C. H. Croom and J. H. Senne, eds.: Proc. Symposium Photogrammetric Surveys and Mapping, U. Mo.-Rolla, Rolla, Mo., p. 29-31, 2 figs., Oct. 1971.
4. Bibliography of the geology of Missouri--1970: Mo. Geol. Survey and Water Resources, Inf. Circ. 24, 41 p., 1971.

Waring, Juliana

1. Paleoecology of the Snyder Creek Formation (Upper Devonian) of central Missouri: unpubl. Masters thesis, U. Mo.-Columbia, Columbia, Mo., Dec. 1971.

Water Resources Division

1. Quality of surface waters of the United States, 1966, Parts 5 and 6. Hudson Bay and Upper Mississippi River basins, and Missouri River basin: U. S. Geol. Survey, Water-Supply Paper 1993, 666 p., 1 fig., 1971.
2. Quality of surface waters of the United States, 1966, Parts 7 and 8. Lower Mississippi River basin and western Gulf of Mexico basins: U. S. Geol. Survey, Water-Supply Paper 1994, 814 p., 1 fig., 1971.
3. Surface water supply of the United States, 1961-65, Part 5. Hudson Bay and upper Mississippi River basins: U. S. Geol. Survey, Water-Supply Paper 1915, 588 p., 1 fig., 1 pl., 1971.
4. Index of surface-water records to September 30, 1970, Part 5. Hudson Bay and Upper Mississippi River basins: U. S. Geol. Survey Circ. 655, 65 p., 1 fig., 1971.

5. Index of surface-water records to September 30, 1970, Part 6.
Missouri River basin: U. S. Geol. Survey, Circ. 656, 91 p., 1
fig., 1971.

Wedge, William Keith

1. Petrology and petrography of the Croweburg coal, north-central
Missouri: unpubl. Masters thesis, U. Mo.-Rolla, Rolla, Mo., 1971.

Williams, James H. Refer to Fellows, L. D.

Wu, Dah Cheng. Refer to Verhulst, Albert T.

INDEX

COUNTIES

ATCHISON COUNTY

Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.

BENTON COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

BOONE COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

Fisher and porcupine remains from Missouri caves: Parmalee, 1.

Interesting landforms near Jefferson City: Schroeder, 1.

Sedimentology of the Lagonda Formation: Tacker, 1.

BUCHANAN COUNTY

Selected Pleistocene exposures: Bayne, 2.

Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.

CALLAWAY COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

Fisher and porcupine remains from Missouri caves: Parmalee, 1.

Interesting landforms near Jefferson City: Schroeder, 1.

Paleoecology of the Snyder Creek Formation: Waring, 1.

CAMDEN COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

CAPE GIRARDEAU COUNTY

Conodonts and stratigraphy of the Girardeau Limestone (Ordovician):
Satterfield, 1.

CARTER COUNTY

Topologic representations of channel networks: Hilliard, 1.
Gravity and magnetic study, central Ozark uplift: Lin, 1.

CHRISTIAN COUNTY

Water tracing in the Wilson Creek area, southwest Missouri: Vineyard, 2.

CLAY COUNTY

Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.

COLE COUNTY

Fluid inclusions in Missouri barites: Leach, 1.
Interesting landforms near Jefferson City: Schroeder, 1.

COOPER COUNTY

Fluid inclusions in Missouri barites: Leach, 1.
Sedimentology of the Lagonda Formation: Tacker, 1.

DALLAS COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

DENT COUNTY

Upper Cambrian inarticulate brachiopods from Missouri: Kurtz, 1.
Gravity and magnetic study, central Ozark uplift: Lin, 1.
Soils mapping by photointerpretation: Maxwell, 1.

DOUGLAS COUNTY

Honey Branch Cave, Douglas County: Bockstiegel, 1.
Geology of Brown's Cave, Douglas County: Brown, 1.

FRANKLIN COUNTY

Fluid inclusions in Missouri barites: Leach, 1.
Gravity survey and crustal structure of east-central Missouri:
Mitchell, 1.

GASCONADE COUNTY

Gravity survey and crustal structure of east-central Missouri:
Mitchell, 1.

GREENE COUNTY

Environmental geology in a karst area, Springfield, Missouri:
Fellows, 1.
Springs of Springfield: Rafferty, 1.
Geology and morphology of Crystal Cave, Greene County: Thomson, 1.
Caves of east-central Greene County: Thomson, 2.
Water tracing in the Wilson Creek area, southwest Missouri: Vineyard, 2.

HICKORY COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

HOWARD COUNTY

Fluid inclusions in Missouri barites: Leach, 1.
Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.
Sedimentology of the Lagonda Formation: Tacker, 1.

HOWELL COUNTY

Gravity and magnetic study, central Ozark uplift: Lin, 1.

IRON COUNTY

Gravity and magnetic study, central Ozark uplift: Lin, 1.
Chronology of Precambrian volcanic rocks: Mose, 1.

JACKSON COUNTY

Guidebook to the geology of underground space, Kansas City: Gentile, 1.
Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.
Petrology of channel sandstones in the Kansas City Group: Verhulst, 1.

JEFFERSON COUNTY

Ordovician graptolites from the Maquoketa Formation, eastern Missouri:
Berry, William B. N., 1.

Fluid inclusions in Missouri barites: Leach, 1.
Caves of Jefferson County: Missouri Speleological Survey, 1.
Pit caves of Jefferson County: Missouri Speleological Survey, 2.
Sandstone caves of Jefferson County: Missouri Speleological Survey, 3.
Gravity survey and crustal structure of east-central Missouri:
 Mitchell, 1.
Fisher and porcupine remains from Missouri caves: Parmalee, 1.
Sandstone shelter caves in Jefferson County: Vineyard, 1.

JOHNSON COUNTY

A case study of channelization: Emerson, 1.

LACLEDE COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

LAWRENCE COUNTY

Morphology of Wilson Cave, Lawrence County: Taylor, 1.

LINCOLN COUNTY

Gravity survey and crustal structure of east-central Missouri:
 Mitchell, 1.

MADISON COUNTY

Chronology of Precambrian volcanic rocks: Mose, 1.

MERCER COUNTY

Petrology and petrography of the Croweburg coal: Wedge, 1.

MILLER COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

MISSISSIPPI COUNTY

Geology of the Bondurant Quadrangle: Finch, 1.
Geologic map of the Hickman Quadrangle: Finch, 2.

MONITEAU COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

MONTGOMERY COUNTY

Archaeology of Graham Cave, Montgomery County: Klippel, 1.

Gravity survey and crustal structure of east-central Missouri:
Mitchell, 1.

Fisher and porcupine remains from Missouri caves: Parmalee, 1.

Paleoecology of the Snyder Creek Formation: Waring, 1.

MORGAN COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

NEW MADRID COUNTY

Geology of the Bondurant Quadrangle: Finch, 1.

OREGON COUNTY

Topologic representations of channel networks: Hilliard, 1.

Gravity and magnetic study, central Ozark uplift: Lin, 1.

OSAGE COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

Interesting landforms near Jefferson City: Schroeder, 1.

PERRY COUNTY

Restudy of conodonts from the Bainbridge Formation: Rexroad, 1.

PETTIS COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

PHELPS COUNTY

Soils mapping by photointerpretation: Maxwell, 1.

Fisher and porcupine remains from Missouri caves: Parmalee, 1.

PLATTE COUNTY

Selected Pleistocene exposures: Bayne, 2.

PULASKI COUNTY

Fisher and porcupine remains from Missouri caves: Parmalee, 1.

RANDOLPH COUNTY

Sedimentology of the Lagonda Formation: Tacker, 1.

REYNOLDS COUNTY

Trace-element accumulations in roadside cedars: Connor, 1.

Gravity and magnetic study, central Ozark uplift: Lin, 1.

Electrical potential method to indicate better mineralization:

Morrison, 1.

RIPLEY COUNTY

Topologic representations of channel networks: Hilliard, 1.

ST. CHARLES COUNTY

Gravity survey and crustal structure of east-central Missouri:

Mitchell, 1.

ST. CLAIR COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

ST. FRANCOIS COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

Chronology of Precambrian volcanic rocks: Mose, 1.

STE. GENEVIEVE COUNTY

Sand and gravel excavation from creeks and rivers: Robertson, J. L., 1.

ST. LOUIS COUNTY

Environment and diagenesis of the Salem Limestone: Knirk, 1.

Engineering geology of St. Louis County: Lutzen, 1.

Fisher and porcupine remains from Missouri caves: Parmalee, 1.
Stockpile inventory sets product schedule: Robertson, Joseph L., 2.

SALINE COUNTY

Fluid inclusions in Missouri barites: Leach, 1.
Groundwater resources of Saline County: Miller, 1.
Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.
Sedimentology of the Lagonda Formation: Tacker, 1.

SHANNON COUNTY

Topologic representations of channel networks: Hilliard, 1.
Upper Cambrian inarticulate brachiopods from Missouri: Kurtz, 1.
Gravity and magnetic study, central Ozark uplift: Lin, 1.

SULLIVAN COUNTY

Petrology and petrography of the Croweburg coal: Wedge, 1.

TANEY COUNTY

Ozark Underground Laboratory: Thomson, 1.

TEXAS COUNTY

Fluid inclusions in Missouri barites: Leach, 1.
Gravity and magnetic study, central Ozark uplift: Lin, 1.

WARREN COUNTY

Gravity survey and crustal structure of east-central Missouri:
Mitchell, 1.

WASHINGTON COUNTY

Fluid inclusions in Missouri barites: Leach, 1.

ECONOMIC GEOLOGY, MINING, AND METALLURGY

BARITE

Aspects of genesis of Mississippi Valley-type ores: Heyl, 1.

Fluid inclusions in Missouri barites: Leach, 1.

COAL

Reassessment of Missouri's coal resources: Robertson, Charles E., 1.

Evaluation of Missouri's coal resources: Robertson, Charles E., 2.

Petrology and petrography of the Croweburg coal: Wedge, 1.

CRUSHED LIMESTONE

Stockpile inventory sets product schedule: Robertson, Joseph L., 2.

FLUORITE

Aspects of genesis of Mississippi Valley-type ores: Heyl, 1.

GENERAL

Geology of the Bondurant Quadrangle: Finch, 1.

LEAD

Trace-element accumulations in roadside cedars: Connor, 1.

Geological model for Mississippi Valley-type lead-zinc ores: Dozy, 1.

Aspects of genesis of Mississippi Valley-type ores: Heyl, 1.

LIMESTONE MINING

Guidebook to the geology of underground space, Kansas City: Gentile, 1.

MINERALIZATION

Electrical potential method to indicate better mineralization:

Morrison, 1.

SAND AND GRAVEL

Geologic map of the Hickman Quadrangle: Finch, 2.

Sand and gravel excavation from creeks and rivers: Robertson, Joseph L., 1.

ZINC

Geological model for Mississippi Valley-type lead-zinc ores: Dozy, 1.
Aspects of genesis of Mississippi Valley-type ores: Heyl, 1.

ENGINEERING GEOLOGY

GENERAL

Geology of the Bondurant Quadrangle: Finch, 1.
Engineering geology of St. Louis County: Lutzen, 1.

KARST PROBLEMS

Springs of Springfield: Rafferty, 1.

LANDFILLS

Environmental geology in a karst area, Springfield, Missouri:
Fellows, 1.

RESERVOIR DESIGN

Carryover storage requirements for reservoir design in Missouri:
Skelton, 1.

SOILS

Geologic map of the Hickman Quadrangle: Finch, 2.
Geochemical variation in Missouri soils: Tidball, 1.

ENVIRONMENTAL GEOLOGY

KARST AREAS

Environmental geology in a karst area, Springfield, Missouri:
Fellows, 1.

GEOCHEMISTRY

SOILS

Elemental composition of surficial materials: Shacklette, 1.

SURVEY

Geochemical survey of Missouri: U. S. Geol. Survey, 1, 2, and 3.

TRACE ELEMENTS

Trace-element accumulations in roadside cedars: Connor, 1.

Roadside effects on rocks, soils, and plants: Connor, 2.

Geochemical variation in Missouri soils: Tidball, 1.

GEOCHRONOLOGY

PRECAMBRIAN ROCKS

Chronology of Precambrian volcanic rocks: Mose, 1.

RECENT

Archaeology of Graham Cave, Montgomery County: Klippel, 1.

GEOPHYSICS

ELECTRICAL POTENTIAL

Electrical potential method to indicate better mineralization:
Morrison, 1.

GRAVIMETRICS

Gravity and magnetic study, central Ozark uplift: Lin, 1.
Gravity survey and crustal structure of east-central Missouri:
Mitchell, 1.

MAGNETICS

Gravity and magnetic study, central Ozark uplift: Lin, 1.

RESISTIVITY

Geology of Brown's Cave, Douglas County: Brown, 1.

SEISMICITY

Gravity and magnetic study, central Ozark uplift: Lin, 1.

SEISMOLOGY

Geology of the Bondurant Quadrangle: Finch, 1.

HYDROLOGY

GROUND WATER

Ozark Underground Laboratory, Taney County: Aley, 2.
Geologic map of the Hickman Quadrangle: Finch, 2.
Water resources of northeastern Missouri: Gann, 1.
Groundwater resources of Saline County: Miller, 1.

KARST

Karst hydrology investigations in the Ozarks: Aley, 1.

SPRINGS

Springs of Springfield: Rafferty, 1.

STREAM TEMPERATURE

Temperature of Missouri streams: Bowie, 1.

SURFACE WATER

A case study of channelization: Emerson, 1.

Water resources of northeastern Missouri: Gann, 1.

Carryover storage requirements for reservoir design in Missouri:
Skelton, 1.

Quality of surface waters, 1966: Water Resources Division, 1 and 2.

Surface water supply of the U. S., 1961-65: Water Resources Division, 3.

Index to surface water records to Sept. 30, 1970: Water Resources
Division, 4 and 5.

WATER TRACING

Water tracing in the Wilson Creek area, southwest Missouri: Vineyard, 2.

MINERALOGY

BARITE

Fluid inclusions in Missouri barites: Leach, 1.

CALCITE

Fluid inclusions in Missouri barites: Leach, 1.

CARBONATE MINERALS

Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.

FELDSPAR

Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.

QUARTZ

Fluid inclusions in Missouri barites: Leach, 1.

Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.

SPELEOTHEMS

Ozark Underground Laboratory, Taney County: Aley, 2.

SPHALERITE

Fluid inclusions in Missouri barites: Leach, 1.

PALEONTOLOGY

BRACHIOPODA

Upper Cambrian inarticulate brachiopods from Missouri: Kurtz, 1.

CONODONTS

Conodont zonation of the North American Mississippian: Collinson, 1.

Conodonts from the Silurian of the Illinois basin: Liebe, 1.

Restudy of conodonts from the Bainbridge Formation: Rexroad, 1.

Conodonts and stratigraphy of the Girardeau Limestone (Ordovician):
Satterfield, 1.

Ordovician-Silurian boundary in eastern Missouri: Thompson, 1.

Conodonts from the Rushville Formation, Ohio: Thompson, 2.

Paleoecology of the Snyder Creek Formation: Waring, 1.

GASTROPODA

Paleontology of loess deposits of western Missouri: Pauken, 1.
Guidebook to Pleistocene stratigraphy along the Missouri River:
State Geological Survey of Kansas, 1.

GRAPTOLITHINA

Ordovician graptolites from the Maquoketa Formation, eastern Missouri:
Berry, William B. N., 1.
Morphologic investigation of Maquoketa graptoloids: Herr, 1 and 2.

VERTEBRATES

Fisher and porcupine remains from Missouri caves: Parmalee, 1.
A distributional study of Missouri fishes: Pflieger, 1.

PETROLOGY AND PETROGRAPHY

COAL

Petrology and petrography of the Croweburg coal: Wedge, 1.

IGNEOUS ROCKS

Rhyolite with rhyolitic ash-flow tuff, St. Francois Mountains:
Berry, Archie W., Jr. 1.

LIMESTONE

Petrology of the St. Laurent Limestone: Nance, 1.

LOESS

Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.

SANDSTONE

Classification of cement in sandstones: Dapples, 1.

SEDIMENTARY ROCKS

Paleoecology of the Ervine Creek Limestone (Pennsylvanian):

Griesemer, 1.

Sedimentology of the Bronson Subgroup of Iowa: Johnson, 1.

Environment and diagenesis of the Salem Limestone: Knirk, 1.

Stratigraphy of the Everton Formation in Arkansas: Shum, 1.

Sedimentology of the Lagonda Formation: Tacker, 1.

Petrology of channel sandstones in the Kansas City Group: Verhulst, 1.

Paleoecology of the Snyder Creek Formation: Waring, 1.

VOLCANIC ROCKS

Chronology of Precambrian volcanic rocks: Mose, 1.

PHYSIOGRAPHY

BURIED VALLEYS

Buried valleys in the Missouri River basin: Dreeszen, 1.

CAVES

Ozark Underground Laboratory, Taney County: Aley, 2.

Honey Branch Cave, Douglas County: Bockstiegel, 1.

Geology of Brown's Cave, Douglas County: Brown, 1.

Archaeology of Graham Cave, Montgomery County: Klippel, 1.

Caves of Jefferson County: Missouri Speleological Survey, 1.

Pit caves of Jefferson County: Missouri speleological Survey, 2.

Sandstone caves of Jefferson County: Missouri Speleological Survey, 3.

Fisher and porcupine remains from Missouri caves: Parmalee, 1.

Morphology of Wilson Cave, Lawrence County: Taylor, 1.

Geology and morphology of Crystal Cave, Greene County: Thomson, 1.

Caves of east-central Greene County: Thomson, 2.

Ozark Underground Laboratory: Thomson, 3.

Sandstone shelter caves in Jefferson County: Vineyard, 1.
Water tracing in the Wilson Creek area, southwest Missouri:
Vineyard, 2.

KARST SPRINGS

Karst hydrology investigations in the Ozarks: Aley, 1.

KARST TOPOGRAPHY

Environmental geology in a karst area, Springfield, Missouri:
Fellows, 1.

LANDFORMS

Interesting landforms near Jefferson City: Schroeder, 1.

NORTHEASTERN MISSOURI

Water resources of northeastern Missouri: Gann, 1.

RIVER CHANNEL

A case study of channelization: Emerson, 1.
Topologic representations of channel networks: Hilliard, 1.

SOILS

ELEMENTAL COMPOSITION

Elemental composition of surficial materials: Shacklette, 1.

MAPPING

Soils mapping by photointerpretation: Maxwell, 1.

STRATIGRAPHY

BAINBRIDGE FORMATION

Restudy of conodonts from the Bainbridge Formation: Rexroad, 1.

BETHANY FALLS LIMESTONE

Guidebook to the geology of underground space, Kansas City: Gentile, 1.

BONNETERRE DOLOMITE

Classification of cement in sandstones: Dapples, 1.

Upper Cambrian inarticulate brachiopods from Missouri: Kurtz, 1.

BRONSON SUBGROUP

Sedimentology of the Bronson Sub-Group of Iowa: Johnson, 1.

BURLINGTON LIMESTONE

Morphology of Wilson Cave, Lawrence County: Taylor, 1.

Geology and morphology of Crystal Cave, Greene County: Thomson, 1.

CAMBRIAN SYSTEM

Classification of cement in sandstones: Dapples, 1.

Upper Cambrian inarticulate brachiopods from Missouri: Kurtz, 1.

CANADIAN SERIES

Honey Branch Cave, Douglas County: Bockstiegel, 1.

Geology of Brown's Cave, Douglas County: Brown, 1.

Ozark Underground Laboratory: Thomson, 1.

COTTER DOLOMITE

Honey Branch Cave, Douglas County: Bockstiegel, 1.

Environmental geology in a karst area, Springfield, Missouri:

Fellows, 1.

CROWEBURG FORMATION

Petrology and petrography of the Croweburg coal: Wedge, 1.

DAVIS SHALE

Classification of cement in sandstones: Dapples, 1.

DEER CREEK FORMATION

Paleoecology of the Ervine Creek Limestone (Pennsylvanian):
Griesemer, 1.

DESMOINESIAN SERIES

Sedimentology of the Lagonda Formation: Tacker, 1.
Petrology and petrography of the Croweburg coal: Wedge, 1.

DEVONIAN SYSTEM

Petrology of the St. Laurent Limestone: Nance, 1.
Paleoecology of the Snyder Creek Formation: Waring, 1.

ELSEY FORMATION

Geology and morphology of Crystal Cave, Greene County: Thomson, 1.

ERVINE CREEK LIMESTONE MEMBER

Paleoecology of the Ervine Creek Limestone (Pennsylvanian):
Griesemer, 1.

EVERTON FORMATION

Stratigraphy of the Everton Formation in Arkansas: Shum, 1.

GASCONADE DOLOMITE

Geology of Brown's Cave, Douglas County: Brown, 1.

GENERAL

Groundwater resources of Saline County: Miller, 1.

GIRARDEAU LIMESTONE

Conodonts and stratigraphy of the Girardeau Limestone (Ordovician):
Satterfield, 1.

JEFFERSON CITY DOLOMITE

Archaeology of Graham Cave, Montgomery County: Klippel, 1.
Ozark Underground Laboratory: Thomson, 1.

KANSAS CITY GROUP

Guidebook to the geology of underground space, Kansas City: Gentile, 1.
Petrology of channel sandstones in the Kansas City Group: Verhulst, 1.

LAGONDA FORMATION

Sedimentology of the Lagonda Formation: Tacker, 1.

MAQUOKETA FORMATION

Ordovician graptolites from the Maquoketa Formation, eastern Missouri:
Berry, William B. N., 1.
Morphologic investigation of Maquoketa graptoloids: Herr, 1 and 2.

MERAMECIAN SERIES

Environment and diagenesis of the Salem Limestone: Knirk, 1.

MISSISSIPPIAN SYSTEM

Conodont zonation of the North American Mississippian: Collinson, 1.
Environmental geology in a karst area, Springfield, Missouri: Fellows, 1.
Environment and diagenesis of the Salem Limestone: Knirk, 1.
Stockpile inventory sets product schedule: Robertson, Joseph L., 2.
Morphology of Wilson Cave, Lawrence County: Taylor, 1.
Conodonts from the Rushville Formation, Ohio: Thompson, 2.
Geology and morphology of Crystal Cave, Greene County: Thomson, 1.
Caves of east-central Greene County: Thomson, 2.

MISSOURIAN SERIES

Guidebook to the geology of underground space, Kansas City: Gentile, 1.

Petrology of channel sandstones in the Kansas City Group: Verhulst, 1.

NORTHVIEW FORMATION

Geology and morphology of Crystal Cave, Greene County: Thomson, 1.

ORDOVICIAN SYSTEM

Ordovician graptolites from the Maquoketa Formation eastern Missouri:

Berry, William B. N., 1.

Honey Branch Cave, Douglas County: Bockstiegel, 1.

Geology of Brown's Cave, Douglas County: Brown, 1.

Environmental geology in a karst area, Springfield, Missouri: Fellows, 1

Morphologic investigation of Maquoketa graptoloids: Herr, 1 and 2.

Archaeology of Graham Cave, Montgomery County: Klippel, 1.

Sandstone caves of Jefferson County: Missouri Speleological Survey, 3.

Conodonts and stratigraphy of the Girardeau Limestone (Ordovician):

Satterfield, 1.

Stratigraphy of the Everton Formation in Arkansas: Shum, 1.

Ordovician-Silurian boundary in eastern Missouri: Thompson, 1.

Ozark Underground Laboratory: Thomson, 3.

Sandstone shelter caves in Jefferson County: Vineyard, 1.

OSAGEAN SERIES

Morphology of Wilson Cave, Lawrence County: Taylor, 1.

Conodonts from the Rushville Formation, Ohio: Thompson, 2.

Geology and morphology of Crystal Cave, Greene County: Thomson, 1.

PENNSYLVANIAN SYSTEM

Guidebook to the geology of underground space, Kansas City: Gentile 1.

Paleoecology of the Ervine Creek Limestone (Pennsylvanian): Griesemer, 1.

Sedimentology of the Bronson Subgroup of Iowa: Johnson, 1.

Sedimentology of the Lagonda Formation: Tacker, 1.

Petrology and petrography of the Croweburg coal: Wedge, 1.

Petrology of channel sandstones in the Kansas City Group: Verhulst, 1.

PIERSON FORMATION

Geology and morphology of Crystal Cave, Greene County: Thomson, 1.

PLEISTOCENE SERIES

Regional Pleistocene stratigraphy: Bayne, 1.

Selected Pleistocene exposures: Bayne, 2.

Buried valleys in the Missouri River basin: Dreeszen, 1.

Paleontology of loess deposits of western Missouri: Pauken, 1.

Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.

Guidebook to Pleistocene stratigraphy along the Missouri River:

State Geological Survey of Kansas, 1.

PRECAMBRIAN SYSTEM

Precambrian of the south-central states: Flawn, 1.

Chronology of Precambrian volcanic rocks: Mose, 1.

QUATERNARY SYSTEM

Regional Pleistocene stratigraphy: Bayne, 1.

Selected Pleistocene exposures: Bayne, 2.

Buried valleys in the Missouri River basin: Dreeszen, 1.

Geology of the Bondurant Quadrangle: Finch, 1.

Geologic map of the Hickman Quadrangle: Finch, 2.

Paleontology of loess deposits of western Missouri: Pauken, 1.

Petrology of Pleistocene loess, northwestern Missouri: Pritchard, 1.

Guidebook to Pleistocene stratigraphy along the Missouri River:

State Geological Survey of Kansas, 1.

ROUBIDOUX FORMATION

Geology of Brown's Cave, Douglas County: Brown, 1.

ST. LAURENT LIMESTONE

Petrology of the St. Laurent Limestone: Nance, 1.

ST. LOUIS LIMESTONE

Stockpile inventory sets product schedule: Robertson, Joseph L., 2.

ST. PETER SANDSTONE

- Archaeology of Graham Cave, Montgomery County: Klippel, 1.
- Sandstone caves of Jefferson County: Missouri Speleological Survey, 3.
- Sandstone shelter caves in Jefferson County: Vineyard, 1.

SALEM LIMESTONE

- Environment and diagenesis of the Salem Limestone: Knirk, 1.
- Stockpile inventory sets product schedule: Robertson, Joseph L., 2.

SILURIAN SYSTEM

- Conodonts from the Silurian of the Illinois basin: Liebe, 1.
- Restudy of conodonts from the Bainbridge Formation: Rexroad, 1.
- Ordovician-Silurian boundary in eastern Missouri: Thompson, 1.

SNYDER CREEK FORMATION

- Paleoecology of the Snyder Creek Formation: Waring, 1.

TERTIARY SYSTEM

- Geologic map of the Hickman Quadrangle: Finch, 2.

VERDIGRIS FORMATION

- Petrology and petrography of the Croweburg coal: Wedge, 1.

VIRGILIAN SERIES

- Paleoecology of the Ervine Creek Limestone (Pennsylvanian):
Griesemer, 1.

WARSAW FORMATION

- Stockpile inventory sets product schedule: Robertson, Joseph L., 2.

STRUCTURE

GENERAL

- Gravity and magnetic study, central Ozark uplift: Lin, 1.
- Structural features of Missouri: McCracken, 1.
- Groundwater resources of Saline County: Miller, 1.

MISCELLANEOUS

ARCHAEOLOGY

- Archaeology of Graham Cave, Montgomery County: Klippel, 1.

BIBLIOGRAPHY

- Bibliography of the geology of Missouri, 1970: Vineyard, 4.

ENVIRONMENTAL HEALTH

- Roadside effects on rocks, soils, and plants: Connor, 2.
- Geochemical variation in Missouri soils: Tidball, 1.

GUIDEBOOK

- Guidebook to the geology of underground space, Kansas City: Gentile, 1.

MEMORIAL

- Memorial to Garrett A Muilenburg: Ellison, 1.

MISCELLANEOUS

- Topographic maps and the development of natural resources in Missouri: Vineyard, 3.

UNDERGROUND SPACE

- Guidebook to the geology of underground space, Kansas City: Gentile, 1.

MAPS

ENGINEERING GEOLOGY

Engineering geology of St. Louis County: Lutzen, 1.

GEOLOGIC QUADRANGLE

Geology of the Bondurant Quadrangle: Finch, 1.

Geologic map of the Hickman Quadrangle: Finch, 2.

STRUCTURAL FEATURES

Structural features of Missouri: McCracken, 1.

