

BIBLIOGRAPHY

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Geology of Missouri

1955-1965

JERRY D. VINEYARD, JOHN W. KOENIG,
BONNIE L. HAPPEL
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May 1967

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COOPERATIVE PROGRAMS WITH UNITED STATES GEOLOGICAL SURVEY

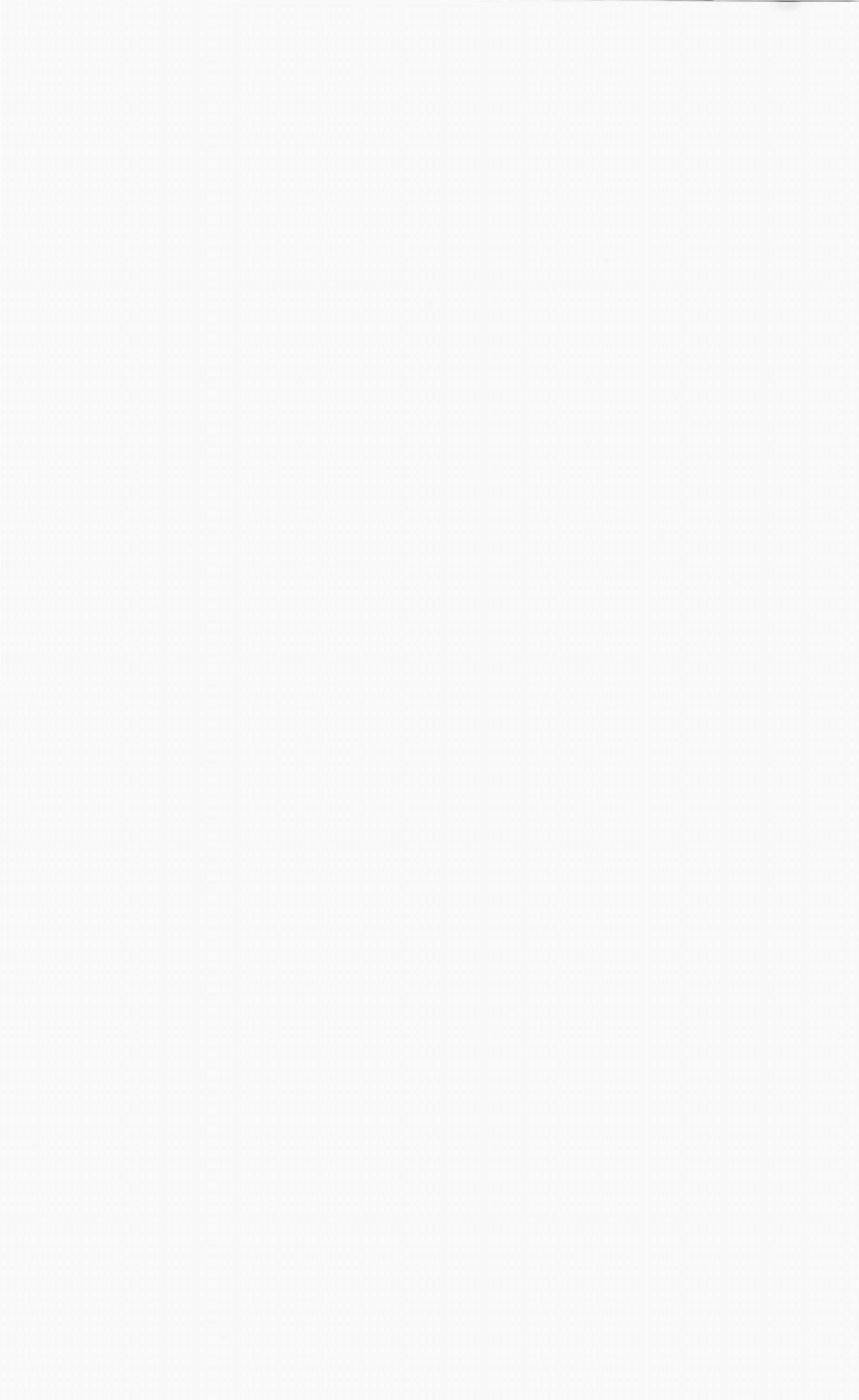
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LETTER OF TRANSMITTAL

Rolla, Missouri
May 30, 1967

Honorable WARREN E. HEARNES
Governor of Missouri
Jefferson City, Missouri

Dear Governor Hearnese:

I have the honor and pleasure to transmit herewith the BIBLIOGRAPHY OF THE GEOLOGY OF MISSOURI, 1955-1965, by Jerry D. Vineyard, John W. Koenig, and Bonnie L. Happel.

This compilation, which lists publications that have appeared in the ten year interval since the cumulative bibliography published by the Survey in 1956, contains several pre-1956 titles which were not formerly included.

Experience has shown that a work of this type is of the utmost value to those interested in the mineral resources and geology of the State. For the purposes of economic development and academic research it provides a quick and accurate reference, to all the current published and unpublished information, pertaining to the State's geology and associated natural resources.

Respectfully submitted,

William C. Hayes
State Geologist and Director

INTRODUCTION

This bibliography lists published and unpublished literature pertaining to the geology of Missouri, including works which have appeared during the ten-year period 1956 through 1965. It also contains several pre-1956 titles which were not included in previous cumulative bibliographies.

Although an effort has been made in this and in previous bibliographies to incorporate the title of every paper pertaining to the geology of Missouri that has appeared in the last ten years, some have undoubtedly been overlooked. If an omission is noted, the missing publication should be brought to the attention of the Missouri Geological Survey so that it may be included in future listings.

This volume incorporates all of the entries of the "Bibliography of the Geology of Missouri, 1955-1960" (Missouri Geological Survey Information Circular No. 16), and all of the annual bibliographies that have appeared since 1960, as well as the new entries for 1965. It supplements and expands the cumulative bibliographies published in 1945, as Volume 31, and in 1956, as Volume 38.

John W. Koenig served as editor of the annual "Bibliography of the Geology of Missouri" from 1955 through 1962; he also edited the five-year cumulative bibliography published in 1961. Jerry D. Vineyard became editor of the annual bibliography in 1963, and the present cumulative ten-year listing was prepared under his direction. Mrs. Bonnie L. Happel collated the ten annual listings into a coherent whole, and supervised the typing of the manuscript.

The editors wish to thank the many librarians who have assisted in the preparation of this bibliography during the past ten years. 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 at Columbia; Library, University of Missouri at Rolla; Geology Library, Washington University, St. Louis, Missouri; and Pius XII Memorial Library, St. Louis University, St. Louis, Missouri.

ABBREVIATIONS

Acad.—academy	Gaz.—gazette
Adj.—adjourned	gen.—genus
Adv.—advancement	Geog.—geographic; geographical
Agri.—agriculture; agricultural	Geol.—geological
Am.—American	Geophys.—geophysical
Ann.—annual	Hist.—history; historical
app.—appendix	illus.—illustrated
apps.—appendices	ills.—illustrations
approx.—approximate; approxi- mately	incl.—including
Assoc.—association	ind.—industrial
Bibl.—bibliography	Inf.—information
Bienn.—biennial	Inst.—institute
Bot.—botanical	Internatl.—international
Bull.—bulletin	Inv.—investigations
Bur.—bureau	Jahrb.—jahrbuch
Can.—Canadian	Jour.—journal
Chem.—chemical	Knowl.—knowledge
Circ.—circular	Mag.—magazine
Co.—company	Mem.—memoir
Col.—collection	Met.—metallurgy; metallurgical
Coll.—college	Min.—mining
Comm.—commercial	Misc.—miscellaneous
Comp.—comparative	ms.—manuscript
Conf.—conference	Mtg.—meeting
Cong.—congress	Mus.—museum
Contr.—contribution	Nat.—natural
Conv.—convention	Natl.—national
Corp.—corporation	no.—number
Dept.—department	nos.—numbers
diss.—dissertation	occas.—occasional
Doc.—document	opp.—opposite
Econ.—economic	Pan-Am.—Pan-American
ed.—edited; edition	Philos.—philosophical
Eng.—engineers; engineering	Phys.—physical
Engl.—England	pl.—plate
etc.—et cetera	pls.—plates
et seq.—et sequens	Pop.—popular
Ex.—executive	portr.—portrait
Exp.—experiment; experimental	p.—page
fasc.—fasciculus	pp.—pages
fig.—figure	Prest.—presented
figs.—figures	Priv.—private
fol.—folio	Proc.—proceedings
fold.—folded	Prof.—professional
front.—frontispiece	pt.—part
	pts.—parts

Pub.—publication
Quart.—quarterly
Reg.—regents
Rept.—report
Rev.—review
Sci.—science
Seismol.—seismological
Sen.—senate
ser.—series
sess.—session
Soc.—society
sp.—species

Speleol.—Speleological
Sta.—station
Summ.—summary
Suppl.—supplement
t.—tomus
Tech.—technical
Top.—topographic
Trans.—transactions
Univ.—university
U.S.—United States
vol.—volume

SERIALS

The following list gives both the abbreviated citation and the full name of periodicals and serials that have been most commonly cited in the bibliography. A few of the less common ones have not been included. Guidebooks and associated articles are listed in the bibliography under the names of the editors, authors, or sponsoring societies along with full information but are not included in this list.

Agri. Eng.—Agricultural Engineering. St. Joseph, Michigan.

Am. Assoc. Adv. Sci., Program and Abstracts—American Association for the Advancement of Science, Program and Abstracts. Washington, D.C.

Am. Assoc. Petroleum Geologists Bull.—American Association of Petroleum Geologists Bulletin. Tulsa, Oklahoma.

Am. Ceramic Soc. Bull.; Jour.—American Ceramic Society, Bulletin; Journal. Columbus, Ohio.

Am. Geol. Inst., GeoScience Abstracts—American Geological Institute, GeoScience Abstracts. Washington, D.C.

Am. Geophys. Union Trans.—American Geophysical Union Transactions. Washington, D.C.

Am. Inst. Min. Eng. Trans.; Abstracts of Tech. Papers; Min. Technology—American Institute of Mining and Metallurgical Engineers Transactions; Abstracts of Technical Papers; Mining Technology. New York, New York.

Am. Jour. Botany—American Journal of Botany. Baltimore, Maryland.

Am. Jour. Sci.—American Journal of Science. New Haven, Connecticut.

Am. Mineralogist—American Mineralogist. Ann Arbor, Michigan.

Am. Mus. Nat. Hist. Novitates—American Museum of Natural History Novitates. New York, New York.

Assoc. Am. Geographers Annals—Association of American Geographers Annals. Lawrence, Kansas.

Bibliography of Geology Theses. Denver, Colorado.

Bull. Am. Paleontology—Bulletins of American Paleontology. Ithaca, New York.

Chemical and Eng. News—Chemical and Engineering News. Easton, Pennsylvania.

Colorado School of Mines Quart.—Colorado School of Mines Quarterly. Golden, Colorado.

Earth Sci.—Earth Science. Chicago, Illinois.

Earth Sci. Digest—Earth Science Digest. Revere, Massachusetts.

Earthquake Notes. Washington, D.C.

Econ. Geology—Economic Geology. Urbana, Illinois.

- Eng. Min. Jour.—Engineering and Mining Journal. New York, New York.
- Excavating Eng.—Excavating Engineer. South Milwaukee, Wisconsin.
- Fieldiana Geology. Chicago Natural History Museum, Chicago, Illinois.
- Field Operations, Bur. of Soils, U. S. Dept. of Agri.—Field Operations, Bureau of Soils, United States Department of Agriculture. Washington, D. C.
- Gems and Minerals. Mentone, California.
- Geol. Soc. America Bull.; Special Paper; Abstracts, Program Ann. Mtgs.—Geological Society of America Bulletin; Special Paper; Abstracts, Program Annual Meetings. New York, New York.
- Geophysics. Tulsa, Oklahoma.
- Illinois State Acad. Sci. Trans.—Illinois State Academy of Science Transactions. Springfield, Illinois.
- Illinois State Geol. Survey Bull.; Circ.; Rept. Inv.—Illinois State Geological Survey Bulletin; Circular; Report of Investigations. Urbana, Illinois.
- Iowa Acad. Sci. Proc.—Iowa Academy of Science Proceedings. Des Moines, Iowa.
- Jour. Am. Zinc Inst.—Journal American Zinc Institute. New York, New York.
- Jour. Geology—Journal of Geology. Chicago, Illinois.
- Jour. Electrochemical Soc.—Journal of the Electrochemical Society. Baltimore, Maryland.
- Jour. Metals—Journal of Metals. New York, New York.
- Jour. Missouri Water and Sewerage Conf.—Journal of the Missouri Water and Sewerage Conference. Jefferson City, Missouri.
- Jour. Paleontology—Journal of Paleontology. Tulsa, Oklahoma.
- Jour. Petroleum Technology—Journal of Petroleum Technology. Dallas, Texas.
- Jour. Sed. Petrology—Journal of Sedimentary Petrology. Menasha, Wisconsin.
- Kansas Acad. Sci. Trans.—Kansas Academy of Science Transactions. Lawrence, Kansas.
- Kansas State Geol. Survey Bull.; Rept.—Kansas State Geological Survey Bulletin; Report. Lawrence, Kansas.
- Kansas Univ. Paleontological Contr.—Kansas University Paleontological Contributions. Lawrence, Kansas.
- Micropaleontology. American Museum of Natural History. New York, New York.
- Mineral Industries. College of Mineral Industries, Pennsylvania State University. University Park, Pennsylvania.
- Mineral Abstracts. London, England.
- Min. and Met. Soc. America—Mining and Metallurgical Society of America. New York, New York.
- Min. Cong. Jour.—Mining Congress Journal. Washington, D. C.
- Min. Eng.—Mining Engineering. New York, New York.
- Min. World—Mining World. San Francisco, California.

- Missouri Archaeological Soc. Mem.—Missouri Archaeological Society Memoir. Columbia, Missouri.
- Missouri Archaeologist. Columbia, Missouri.
- Missouri Bot. Garden Bull., Annals—Missouri Botanical Garden Bulletin, Annals. St. Louis, Missouri.
- Missouri Engineer. Jefferson City, Missouri.
- Missouri Geol. Survey and Water Resources, Vol.; Inf. Circ.; Rept. Inv.;—Missouri Geological Survey and Water Resources, Volume; Information Circular; Report of Investigations. Rolla, Missouri.
- Missouri Hist. Rev.—Missouri Historical Review. Columbia, Missouri.
- Missouri Speleology. Missouri Speleological Survey. Jefferson City, Missouri.
- Missouri Univ. Agri. Exp. Sta. Research Bull.—Missouri University Agricultural Experimental Station Research Bulletin. Columbia, Missouri.
- Missouri Univ. Arts and Sci. Ser. Bull.; Studies—Missouri University Arts and Science Series Bulletin, Studies. Columbia, Missouri.
- Missouri Univ. Eng. Exp. Sta. Bull.—Missouri University Engineering Experimental Station Bulletin. Columbia, Missouri.
- Missouri Univ. School of Mines and Met. Bull.; Tech. Ser.—Missouri University School of Mines and Metallurgy Bulletin; Technical Series. Rolla, Missouri.
- Natl. Geographic Mag.—National Geographic Magazine. Washington, D. C.
- Natl. Research Council, Division of Geology and Geography, Ann. Rept.—National Research Council, Division of Geology and Geography, Annual Report. Washington, D. C.
- Natl. Speleol. Soc. Bull.; News—National Speleological Society Bulletin; News. Arlington, Virginia.
- Oil and Gas Jour.—Oil and Gas Journal. Tulsa, Oklahoma.
- Oklahoma Acad. Sci. Proc.—Oklahoma Academy of Science Proceedings. Norman, Oklahoma.
- Oklahoma Geol. Survey Bull.; Circ.—Oklahoma Geological Survey Bulletin; Circular. Norman, Oklahoma.
- Oklahoma Geology Notes. Norman, Oklahoma.
- Pit and Quarry. Chicago, Illinois.
- Pop. Astronomy—Popular Astronomy. Northfield, Minnesota.
- Rocks and Minerals. Peekskill, New York.
- Rock Products. Chicago, Illinois.
- Science. Lancaster, Pennsylvania.
- Sci. Monthly—Scientific Monthly. Washington, D. C.
- Seismol. Soc. America Bull.—Seismological Society of America Bulletin. Berkeley, California.
- Skillings Min. Rev.—Skillings Mining Review. Duluth, Minnesota.
- Smithsonian Inst., Exploration and Fieldwork—Smithsonian Institution, Exploration and Fieldwork. Washington, D. C.
- Smithsonian Misc. Collections—Smithsonian Miscellaneous Collections. Washington, D. C.

- Soil Sci.—Soil Science. Baltimore, Maryland.
- Soil Sci. Soc. America Proc.—Soil Science Society of America Proceedings. Danville, Illinois.
- State Geologist's Jour.—State Geologist's Journal. San Francisco, California.
- Tennessee Division of Geology Rept. Inv.—Tennessee Department of Conservation, Division of Geology Report of Investigations. Nashville, Tennessee.
- Tulsa Geol. Soc. Digest—Tulsa Geological Society Digest. Tulsa, Oklahoma.
- U. S. Army, Corps of Engineers Tech. Rept.—United States Army, Corps of Engineers Technical Report. Washington, D. C.
- U. S. Bur. Mines Bull.; Inf. Circ.; Materials Survey; Mineral Industry Surveys; Minerals Yearbook; Rept. Inv.—United States Bureau of Mines Bulletin; Information Circular; Materials Survey; Mineral Industry Surveys; Minerals Yearbook; Report of Investigations. Washington, D. C.
- U. S. Dept. Agri. Ser.—United States Department of Agriculture Series. Washington, D. C.
- U. S. Dept. of Commerce, Coast and Geodetic Survey, Serial—United States Department of Commerce, Coast and Geodetic Survey, Serial. Washington, D. C.
- U. S. Geol. Survey Bull.; Circ.; Index to Geol. Mapping U. S.; Prof. Paper; Oil and Gas Inv. Map; Trace Elements Inv.; Water Supply Paper—United States Geological Survey Bulletin; Circular; Index to Geological Mapping in the United States; Oil and Gas Investigations Map; Professional Paper; Trace Elements Investigations; Water-Supply Paper. Washington, D. C.
- Union Electric Mag.—Union Electric Magazine. St. Louis, Missouri.
- Uranium Inf. Digest—Uranium Information Digest. Grand Junction, Colorado.
- Washington Acad. Sci. Jour.—Washington Academy of Sciences Journal. Washington, D. C.
- Washington University Studies, Scientific Series. St. Louis, Missouri.
- Water Well Jour.—Water Well Journal. Urbana, Illinois.
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- Pre-Atoka rocks of northern Arkansas: Frezon, 1.
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- Stratigraphic succession in Missouri: Howe, 3.
- Three new conodonts from the Louisiana Limestone, Illinois: Scott, A. J., 2.
- U-Pb age, Chattanooga shale: Cobb, 1.
- Uranium in Devonian and Mississippian black shales, Midcontinent area: Landis, 1.

- Pleistocene and engineering geology of the Hannibal-Canton area: Heim, 5.
- Pre-Atoka rocks of northern Arkansas: Frezon, 1.
- Pre-Desmoinesian rocks, central midcontinent: Huffman, 4.
- Reconnaissance in central and southwestern states: Slaughter, 1.
- Scolecodonts from central Missouri: Sylvester, 1.
- Sporangites as "horizon markers": Mehl, 3.
- Statistical analysis of conodonts, upper Devonian: Ellis, 1.
- Stratigraphy and structure of the Mineola-Danville area: Sinclair, 1.
- Stratigraphy of the Jefferson City Quadrangle: Duewel, 1.
- Stratigraphic succession in Missouri: Howe, 3.
- Study of upper Devonian outcrops: Roehrs, 1.
- The Devonian coral genus *Billingsastrea*: Oliver, 1.
- Upper Devonian conodonts, Wyoming: Ethington, 1.

COLBEE CREEK MEMBER

- Stratigraphy of the Osage Series in southeastern Iowa: Harris, S. E., 1.

DOUGLAS GROUP

- Origin of some late Pennsylvanian coals in eastern Kansas: Jewett, 1.
- Sandstone, Douglas and Pedee Groups, northeastern Kansas: Sanders, 1.

DOVER MEMBER

- Stratigraphy of Pennsylvanian and Permian rocks in Kansas: Mudge, 1.

DRUM FORMATION

- Morphologic studies of the brachiopod genus *Composita*: Grinnell, 1.
- Stratigraphy of the Kansas City Group: Parizek, 3.

DRY MEMBER

- Stratigraphy of Pennsylvanian and Permian rocks in Kansas: Mudge, 1.

DRYWOOD FORMATION

- Desmoinesian Brachiopoda and Mol-

- lusca from southwest Missouri: Hoare, 1, 4.
- Desmoinesian rocks in southeast Kansas: Howe, 1.
- Fossil flora of the Drywood Formation of southwestern Missouri: Basson, 1.
- Geology of the Burtville Quadrangle: Cahill, 1.
- Geology of the Clinton North Quadrangle: Carver, 1.
- Geology of the Filley Quadrangle: Walker, R. A., 1.
- Petrology of the Krebs Subgroup, western Missouri: Hayes, M. O., 1, 2.
- DUBUQUE FORMATION**
Champlainian Series in Illinois: Templeton, 1.
- DUNLEITH FORMATION**
Champlainian Series in Illinois: Templeton, 1.
- DUTCH CREEK SANDSTONE MEMBER**
Grand Tower Formation of southern Illinois: Meents, 1.
- DUTCHTOWN FORMATION**
Champlainian Series in Illinois: Templeton, 1.
Notes on the Dutchtown formation: Mehl, 5.
- EASLEY GROUP**
Base of Mississippian System in Missouri: Mehl, 1.
- EDEN FORMATION**
Upper Ordovician stratigraphy in Eastern Interior region: Gutstadt, 1.
- EDGEWOOD FORMATION**
A conodont fauna from the Edgewood Limestone of Iowa: Davis, R. A., 1.
Correlation of the Edgewood and Sexton Creek formations in Missouri: Ross, C. S., 1.
Geology of the Bowling Green Quadrangle: Laswell, 1.
Silurian Foraminifera of the Mississippi basin: Dunn, P. H., 1.
Silurian graptolites from the Edgewood formation, Illinois: Ross, C. A., 2.
Silurian graptolites from the Edgewood formation of Iowa: Ross, C. A., 3.
- ELVINS GROUP**
Petrology and mineralogy of the Fredericktown deposits: El Baz, 2.
Stratigraphy and paleontology of Elvins Formation: Kurtz, V. E., 1.
- EMINENCE FORMATION**
A Dire Wolf skeleton and Powder Mill Creek Cave: Galbreath, 1.
Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.
Cambro-Ordovician rocks of northeastern Oklahoma and adjacent areas: McCracken, M. H., 4.
Genesis of Krueger zinc deposits and nearby barite deposits: Ligasacchi, A., 1.
Geology (NW¼) of the Grandin Quadrangle: Barkdull, 1.
Geology, southwest portion Des Arc Quadrangle: Boudreau, 1.
Geology of copper deposits, Eminence region: Evans, L. L., 1.
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Geology of the north half of the Ellington Quadrangle: Thornton, 1.
New mollusca of the Potosi and Eminence formations: Stinchcomb, 3.
Origin and development of Cave Spring: Vineyard, 5.
Origin of barite deposits in Missouri: Ligasacchi, A., 2.
Pre-Everton rocks, northern Arkansas: Caplan, 1.
- ENGLISH RIVER FORMATION**
Ammonoid succession of North American Devonian: House, 1.
Kinderhookian Series, Mississippi Valley: Collinson, 5.
Subsurface stratigraphy of the Kinderhook series in Illinois: Workman, 1.
- EOCENE SERIES**
Aeromagnetic prospecting for bauxite: Jespersen, 1.

Cretaceous, Paleocene, and lower Eocene geologic history of the northern Mississippi Embayment: Stearns, 1.

Cretaceous-Tertiary clay mineralogy: Pryor, 3.

Stratigraphic names in Midway and Wilcox Groups: Fisher, 1.

"EUREKA" SHALE

Conodonts from Devonian outcrops: Smoot, 1.

EUTAW FORMATION

Cretaceous, upper Mississippi Embayment: Pryor, 1.

EVERTON FORMATION

Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.

Champlainian Series in Illinois: Templeton, 1.

Geology of the Selma Farm area, Jefferson County: Haack, 1.

Exploration will help show Pascola's potential: Sargent, 2.

EXCELLO FORMATION

Basal Marmaton conodonts from Missouri: Klausing, 1.

Desmoinesian rocks in southeast Kansas: Howe, 1.

Geology of east half of Johnstown and Creighton Quadrangles: Hover, 1.

Geology of the Burtville Quadrangle: Cahill, 1.

Geology of the Centerview Quadrangle: Bowman, 1.

Geology of the Clinton North Quadrangle: Carver, 1.

Geology of the Leeton-Cornelia area: Kinsley, 1.

Mineral commodities of Putnam County: Gentile, 2.

Palynology of selected coals, northeastern and north-central Missouri: Von Almen, 1.

Palynology of selected coals of north-central Missouri: Mumma, 1.

Post-Cheltenham Pennsylvanian stratigraphy, Columbia-Hannibal region: Searight, T. K., 1.

Stratigraphy of Pennsylvanian rocks

of Bates, Henry and Vernon Counties: Gentile, 4.

FABIUS GROUP

Base of Mississippian System in Missouri: Mehl, 1.

FARLEY LIMESTONE MEMBER

Mineral commodities of the Kansas City area: Gentile, 5.

Stratigraphy of the Kansas City Group: Parizek, 3.

FAYETTEVILLE FORMATION

Cyclic sedimentation of upper Fayetteville formation: Frouzan, 1.

Geology of the Tri-State district: Netzeband, W. F., 2.

FERN GLEN FORMATION

Artesian origin of fissure caves: Brod, 2, 3.

Fern Glen Ostracoda: Echols, 1.

Geology of Matson-Defiance area, St. Charles County: Smith, M., 1.

Geology ($S\frac{1}{2}$) of Weldon Spring Quadrangle: Krummel, 1.

Geology ($SE\frac{1}{4}$) of Augusta Quadrangle: Danielson, 1.

Lower Osagean, Missouri and Illinois: Kissling, 1.

Lower Osagean stratigraphy, east-central Missouri: Kissling, 2.

Mississippian microcrinoids from Oklahoma and New Mexico: Strimple, 1.

Petrology of the chert in the Boone group: Barney, 1.

The genus, *Steganocrinus*: Brewer, 1.

"FERNVALE" FORMATION

Upper Ordovician stratigraphy in Eastern Interior region: Gutstadt, 1.

FLEMING FORMATION

Desmoinesian Brachiopoda and Mollusca from southwest Missouri: Hoare, 1, 4.

Desmoinesian rocks in southeast Kansas: Howe, 1.

Geology of east half of Johnstown and Creighton Quadrangles: Hover, 1.

Geology of the Burtville Quadrangle: Cahill, 1.

Geology of the Clinton North Quadrangle: Carver, 1.

Post-Cheltenham Pennsylvanian stratigraphy, Columbia-Hannibal region: Searight, T. K., 1.

Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.

FLINT HILL MEMBER

Stratigraphy of lower Marmaton rocks: Jeffries, 1.

FONTANA SHALE MEMBER

Stratigraphy of the Kansas City Group: Parizek, 3.

FORT SCOTT SUBGROUP

Basal Marmaton conodonts from Missouri: Klausing, 1.

Geology of east half of Johnstown and Creighton Quadrangles: Hover, 1.

Geology of the Burtville Quadrangle: Cahill, 1.

Geology of the Centerview Quadrangle: Bowman, 1.

Geology of the Clinton North Quadrangle: Carver, 1.

Geology of the Leeton-Cornelia area: Kinsley, 1.

Midcontinent Pennsylvanian Edestidae: Koenig, 12.

Miospore assemblages in the Summit coal: Miller, J. P., 1.

Palynology of selected coals, northeastern and north-central Missouri: Von Almen, 1.

Palynology of selected coals of north-central Missouri: Mumma, 1.

Petrology of selected Pennsylvanian rocks: Leone, 1.

Sedimentary environments of Pennsylvanian cycles: Wanless, 3.

Stratigraphy of lower Marmaton rocks: Jeffries, 1.

Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.

FRISBIE LIMESTONE MEMBER

Stratigraphy of the Kansas City Group: Parizek, 3.

GALENA GROUP

Champlainian Series in Illinois: Templeton, 1.

Stratigraphy, sedimentation, and petroleum possibilities of the Ordovician of Missouri: Misra, 1.

GALESBURG FORMATION

Geology of Tarsney Quadrangle: Kinerney, 1.

Stratigraphy of the Kansas City Group: Parizek, 3.

GASCONADE DOLOMITE

A boulder in the Gunter sandstone, northeastern Oklahoma: Chenoweth, 1.

A Dire Wolf skeleton and Powder Mill Creek Cave: Galbreath, 1.

Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.

Cambro-Ordovician rocks of northeastern Oklahoma and adjacent areas: McCracken, M. H., 4.

Genesis of Krueger zinc deposits and nearby barite deposits: Ligasacchi, A., 1.

Geology of Carroll Cave, Camden County: Helwig, 1, 3.

Geology of copper deposits, Eminence region: Evans, L. L., 1.

Geology (NW¼) of Grandin Quadrangle: Barkdull, 1.

Geology of the north half of the Ellington Quadrangle: Thornton, 1.

Little Paddy Creek dam site: Brennan, 1.

Nautiloids from the Gorman and Honeycut, Texas: Unklesbay, 5.

Origin and development of Cave Spring: Vineyard, 5.

Pre-Everton rocks, northern Arkansas: Caplan, 1.

Subsurface maps of the lower Ordovician of Missouri: McCracken, E., 2.

GENERAL

A working hypothesis for southeast Missouri lead deposits: Anonymous, 8.

Atlas of Paleozoic carbonate microfacies of the eastern stable interior: Carozzi, 1.

- Cryptoexplosive structures in Missouri: Snyder, 7.
- Explosive igneous activity along an Illinois-Missouri-Kansas axis: Snyder, 6, 7, 8.
- Fossil record of life in the Ozarks: Stinchcomb, 2, 3.
- Geology of the south and west flanks of the Ozark uplift, northeastern Oklahoma: Huffman, 2.
- Geology of the southeastern portion of the Millersburg Quadrangle, Missouri: Otten, 1.
- Gravity and magnetic investigation along eastern flank of the Ozark uplift: Segar, 1.
- Gravity inversions along eastern flank of the Ozark uplift: Mateker, 2.
- Index to geologic names, North America: Wilson, D., 1.
- Insoluble residue study may solve stratigraphic problems: McCracken, M. H., 3.
- Insoluble residues provide good regional correlations: McCracken, E., 1.
- Megagroups in Illinois: Swann, 3.
- Mineral resources of southeast Missouri: Rue, 1.
- New thinking may unlock Missouri oil prospects: Anderson, K. H., 1.
- Observations on slicolites: Nitecki, 1.
- Oil and gas exploratory logs: Wells, J. S., 3.
- Ozark Precambrian-Paleozoic relations: Wheeler, 2.
- Paleozoic deposition in northern Arkansas: Maher, 1.
- Pre-Desmoinesian isopachous and paleogeologic studies, central mid-continent: Huffman, 4.
- Prospecting for mineral deposits in carbonate rocks: Callahan, 1.
- Regional structure of the southeast Missouri mineral district: Heyl, 3.
- Sequences in the cratonic interior of North America: Sloss, 1.
- Stratigraphy of the Fayette Quadrangle, Missouri: Prusok, 1.
- Stratigraphy of the Fordland Quadrangle, Missouri: Jeffries, 2.
- The Crooked Creek structure: Hendriks, 1.
- GENEVA DOLOMITE MEMBER**
Grand Tower Limestone of southern Illinois: Meents, 1.
- GILMORE CITY FORMATION**
Corals of the Gilmore City Limestone, Iowa: Carlson, 1.
- GIRARDEAU FORMATION**
Silurian Foraminifera of the Mississippi basin: Dunn, P. H., 1.
- GLEN PARK FORMATION**
Artesian origin of fissure caves: Brod, 2, 3.
Base of Mississippian System in Missouri: Mehl, 1.
Devonian-Mississippian boundary relationships in central Missouri: Haller, C. R., 1.
Gemmaeocrinus from the Glen Park Formation of northeastern Missouri: Fraunfelter, 3.
Geology of southern half of Warren-ton Quadrangle: Heflin, 1.
Kinderhookian Series, Mississippi Valley: Collinson, 5.
Lower Osagean, Missouri and Illinois: Kissling, 1.
Subsurface stratigraphy of the Kinderhook Series in Illinois: Workman, 1.
- GLENWOOD FORMATION**
Champlainian Series in Illinois: Templeton, 1.
- GRAND DETOUR FORMATION**
Champlainian Series in Illinois: Templeton, 1.
- GRAND FALLS FORMATION**
Geology of the Tri-State district: Netzeband, W. F., 2.
Petrology of the chert in the Boone group: Barney, 1.
Piezometric surface of the Grand Falls Formation in southwest Missouri: Nichols, 1.
Solution phenomena in the Springfield area: Fellows, 1.

GRANDHAVEN MEMBER

Stratigraphy of Pennsylvanian and Permian rocks in Kansas: Mudge, 1.

GRAND TOWER FORMATION

Bryozoa and Stromatoporoidea, Devonian, Missouri: Birkhead, 1.
Grand Tower Limestone of southern Illinois: Meents, 1.

GRANITEVILLE GRANITE

Geology of the Graniteville Granite, Missouri: Hansink, 1, 2.

GRASSY CREEK FORMATION

Basal relationships of the Mississippian: Mehl, 1, 2.
Conodonts from Devonian outcrops: Smoot, 1.
Conodonts of the "Passo beds", Missouri: Johnson, C. M., 1.
Devonian-Mississippian boundary relationships in central Missouri: Haller, C. R., 1.
Early upper Devonian conodonts from Iowa: Muller, K. J., 1.
Geology of southern half of Warrenton Quadrangle: Heflin, 1.
Geology of the Bowling Green Quadrangle: Laswell, 1.
Kinderhookian Series, Mississippi Valley: Collinson, 5.
Palynology of Grassy Creek and Saverton shales of Missouri: Gupta, 1.
Reconnaissance in central and southwestern states: Slaughter, A. L., 1.
Sporangites as "horizon markers": Mehl, 3.
Subsurface stratigraphy of the Kinderhook Series in Illinois: Workman, 1.

GRAYDON FORMATION

Geology of southern half of Warrenton Quadrangle: Heflin, 1.
Geology of the Bowling Green Quadrangle: Laswell, 1.
Petrology of selected Pennsylvanian rocks: Leone, 1.
Stratigraphy (NE $\frac{1}{4}$) of Fordland Quadrangle: Taylor, R. O., 1.
The Cheltenham clay of Boone County: Patrick, 1.

The Pennsylvanian Graydon Formation in portions of Callaway County, Missouri: Murphy, D. L., 1.

GUNTER SANDSTONE MEMBER

A boulder in the Gunter sandstone, northeastern Oklahoma: Chenoweth, 1.
A Dire Wolf skeleton and Powder Mill Creek Cave: Galbreath, 1.
Cambro-Ordovician rocks of northeastern Oklahoma and adjacent states: McCracken, M. H., 4.
Geology (NW $\frac{1}{4}$) of Grandin Quadrangle: Barkdull, 1.

HAIGHT CREEK MEMBER

Stratigraphy of the Osage Series in southeastern Iowa: Harris, S. E., 1.

GUTTENBERG FORMATION

Champlainian Series in Illinois: Templeton, 1.

HANNIBAL FORMATION

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Kinderhookian Series, Mississippi Valley: Collinson, 5.
Mississippian Foraminifera in the Hannibal Formation: Conkin, J. E., 5.
Mississippian Foraminifera of the Northview Formation: Conkin, J. E., 2.
Mississippian ostracode faunas in southern Illinois: Benson, 1.
Subsurface stratigraphy of the Kinderhook Series in Illinois: Workman, 1.

HERTHA FORMATION

Geology of Tarsney Quadrangle: Kinerney, 1.
Stratigraphy of the Kansas City Group: Parizek, 3.

HARDIN MEMBER

Conodonts from Devonian outcrops: Smoot, 1.

HIGGINSVILLE FORMATION

A new Pennsylvanian coral from Missouri: Fraunfelter, 2.
Diversity of rock types in the Hig-

- ginsville Limestone, central Missouri: Loeff, 2.
- Geology of the Burtville Quadrangle: Cahill, 1.
- Geology of the Centerville Quadrangle: Bowman, 1.
- Mineral commodities of Putnam County: Gentile, 2.
- Post-Cheltenham, Pennsylvanian stratigraphy Columbia-Hannibal region: Searight, T. K., 1.
- Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.
- HIGGINSVILLE MEMBER**
- Geology of east half of Johnstown and Creighton Quadrangles: Hover, 1.
- Stratigraphy of lower Marmaton rocks: Jeffries, 1.
- HINDSVILLE FORMATION**
- Geology of the Tri-State district: Netzeband, W. F., 2.
- HOLDENVILLE FORMATION**
- Geology of Tarsney Quadrangle: Kinerney, 1.
- Late Desmoinesian crinoids: Strimple, 3.
- Mineral commodities of Putnam County: Gentile, 2.
- HOLLY SPRINGS FORMATION**
- Stratigraphic names in Midway and Wilcox Groups: Fisher, W. L., 1.
- "HOLTS SUMMIT" SANDSTONE**
- A unique ontogeny in some polygnathid conodonts: Shaffer, 1.
- Base of Mississippian System in Missouri: Mehl, 1.
- Conodonts from Devonian outcrops: Smoot, 1.
- Holts Summit conodonts from Missouri: Zalusky, 1.
- Statistical analysis of conodonts, upper Devonian: Ellis, J. B., 1.
- HOOK MEMBER**
- Brachiopod fauna, Macy formation: Dunscombe, 1.
- HOUX MEMBER**
- Stratigraphy of lower Marmaton rocks: Jeffries, 1.
- IOLA FORMATION**
- Occurrence of *Galateacrinus allisoni* in Oklahoma: Strimple, 2.
- Stratigraphy of the Kansas City Group: Parizek, 3.
- ISLAND CREEK SHALE MEMBER**
- Stratigraphy of the Kansas City Group: Parizek, 3.
- JEFFERSON CITY FORMATION**
- Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.
- Cambro-Ordovician rocks of northeastern Oklahoma and adjacent States: McCracken, M. H., 4.
- Comparison of Jefferson City, Cotter, and Powell formations: Rapp, D.W., 1.
- Diagenetic origin of dolomite, chert and pyrite: Schot, 1.
- Engineering geology of Stockton and Kaysinger Bluff dam sites, Missouri: Loepp, 1.
- Geology (NW¼) of Washington Quadrangle: Martin, J. A., 1.
- Geology of Clifton City Quadrangle: Kebert, 1.
- Geology of Galena Quadrangle: Robertson, C. E., 1.
- Geology of southern half of Warrenton Quadrangle: Heflin, 1.
- Geology of the Filley Quadrangle: Walker, R. A., 1.
- Geology of the Stockton Quadrangle: Baker, D. A., 1.
- Geology (SE¼) of the Augusta Quadrangle: Danielson, 1.
- Nautiloids from the Gorman and Honeycut, Texas: Unklesbay, 5.
- Pre-Everton rocks, north Arkansas: Caplan, 1.
- Sinkholes west of St. Louis: Allen, 7.
- Stratigraphy and structure of the Mineola-Danville area: Sinclair, 1.
- Stratigraphy (NE¼) of Fordland Quadrangle: Taylor, R. O., 1.
- Stratigraphy of the Jefferson City Quadrangle: Duesel, 1.
- Subsurface maps of the lower Ordo-

vician of Missouri: McCracken, E., 2.

JOACHIM FORMATION

Artesian origin of fissure caves: Brod, 2, 3.
Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.
Champlainian Series in Illinois: Templeton, 1.
Dolomite in the Joachim Formation of northern Arkansas: Freeman, 1.
Geology (NW¼) of Washington Quadrangle: Martin, J. A., 1.
Geology of Matson-Defiance area, St. Charles County: Smith, M., 1.
Geology of southern half of Warrenton Quadrangle: Heflin, 1.
Geology of the Sand Ridge area: Faber, 1.
Geology of the Selma Farm area: Haack, 1.
Guidebook, field trip to northeastern Missouri: Williams, J. H., 1.
Stratigraphy and structure of the Mineola-Danville area: Sinclair, 1.
Structural reconnaissance of the Byrnesville area: Thomas, C. W., 1.
Structural reconnaissance of the High Ridge area: Bethke, 1.

KANSAS CITY GROUP

Arenaceous Foraminifera, Bronson Subgroup, Kansas: Quandil, 1.
Displacement of limestone blocks: Parizek, 1.
Facies relationships in the Bethany Falls Limestone: Payton, 1.
Geology of Tarsney Quadrangle: Kinerney, 1.
Geology of the Kansas City Group at Kansas City: Parizek, 3.
Mineral commodities of the Kansas City area: Gentile, 5.

KEOKUK FORMATION

Alteration of limestone in the Tri-State district, Missouri: Hagni, 5.
Artesian origin of fissure caves: Brod, 2, 3.
Burlington and Keokuk formations: Voss, 1.
Conodonts from the Keokuk Formation of Illinois: Rexroad, 7.

Cutters and pinnacles in Greene County, Missouri: Fellows, 2, 3.
Echinoid jaws from the Mississippian and Pennsylvanian: Spreng, 2.
Geodes: Fleener, 1.
Geologic reconnaissance of Clark and Lewis Counties: Noble, 1.
Geology of the Filley Quadrangle: Walker, R. A., 1.
Geology (S½) of Weldon Spring Quadrangle: Krummel, 1.
Inclusive minerals of Keokuk geodes: Tripp, 1.
Middle Mississippian Series, northeastern Missouri: Spreng, 1.
Mississippian bioherms in northeast Oklahoma: Harbaugh, J. W., 1.
Mississippian trilobites of the family Proetidae in the United States: Hessler, 2, 3.
Petrology of the chert in the Boone group: Barney, 1.
Stratigraphy of the Osage Series in southeastern Iowa: Harris, 1.

KIMMSWICK LIMESTONE

Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.
Champlainian Series in Illinois: Templeton, 1.
Exploration will help show Pascola's potential: Sargent, 2.
Galloway Limestone Company: Herod, 8.
Geology (NW¼) of Washington Quadrangle: Martin, J. A., 1.
Geology of Matson-Defiance area, St. Charles County: Smith, M., 1.
Geology of southern half of Warrenton Quadrangle: Heflin, 1.
Geology (S½) of Weldon Spring Quadrangle: Krummel, 1.
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Geology of the Sand Ridge area: Faber, 1.
Geology of the Selma Farm area: Haack, 1.
Guidebook, field trip to northeastern Missouri: Williams, J. H., 1.
Pandaspinyga, a new trilobite

- genus from the Kimmswick: Esker, 1.
- Stratigraphy, sedimentation, and petroleum possibilities of the Ordovician in Missouri: Misra, 1.
- Structural reconnaissance of the Byrnesville area: Thomas, C. W., 1.
- Structural reconnaissance of the High Ridge area: Bethke, 1.
- The trilobite *Bumastus billingsi* in the Kimmswick of Missouri: Howell, 2.

KINDERHOOKIAN SERIES

- Arenaceous foraminifera from the Chouteau limestone: Canis, 1.
- Base of Mississippian System in Missouri: Mehl, 1.
- Conodonts from the Chappel limestone, Texas: Hass, 2.
- Conodonts from the Keokuk, Warsaw and Salem formations of Illinois: Rexroad, 7.
- Early Mississippian micropaleontology in the U. S.: Gutschick, 4.
- Fenestrate Bryozoa in the Chouteau Group: Koenig, 2.
- Geology of Galena Quadrangle: Robertson, C. E., 1.
- Geology of Matson-Defiance area, St. Charles County: Smith, M., 1.
- Geology of the Filley Quadrangle: Walker, R. A., 1.
- Geology of the Stockton Quadrangle: Baker, D. A., 1.
- Kinderhookian Series, Mississippi Valley: Collinson, 5.
- Lower Mississippian arenaceous Foraminifera, Oklahoma, Texas, and Montana: Gutschick, 5.
- Lower Mississippian corals from New Mexico and Missouri: Bowsher, 1.
- Lower Mississippian trilobite genus *Proetides*: Hessler, 1.
- Lower Osagean, Missouri and Illinois: Kissling, 1.
- Microfauna from the Chouteau formation, St. Louis County: Brill, 1.
- Mississippian Foraminifera of the Hannibal Formation: Conkin, J. E., 5.
- Mississippian Foraminifera of the

Northview Formation: Conkin, J. E., 2.

- Mississippian ostracode faunas in southern Illinois: Benson, 1.
- Mississippian trilobites of the family Proetidae in the U. S.: Hessler, 2, 3.
- Morphologic studies of the brachiopod genus *Composita*: Grinnell, 1.
- Pleistocene and engineering geology of the Hannibal-Canton area: Heim, 5.
- Stratigraphy (NE $\frac{1}{4}$) of Fordland Quadrangle: Taylor, R. O., 1.
- Taxonomy and environment of *Dexiobia*: Driscoll, 1.
- The Mississippian blastoid genera *Phaenoschisma*, *Phaenoblastus*, and *Conoschisma*: Macurda, 3.

KINGS LAKE FORMATION

Champlainian Series in Illinois: Templeton, 1.

KNOX DOLOMITE

Stratigraphy of the zinc-bearing Knox Dolomite: Oder, 1.

KREBS SUBGROUP

- Desmoinesian fusulinids of Missouri: Bebout, 1, 2.
- Fossil flora of the Drywood Formation of southwestern Missouri: Basson, 1.
- Geology of the Burtville Quadrangle: Cahill, 1.
- Geology of the Filley Quadrangle: Walker, R. A., 1.
- Petrology of the Krebs Subgroup, western Missouri: Hayes, M. O., 1, 2.

LABETTE FORMATION

- Alvis and Lexington coals of Missouri: Searight, W. V., 7.
- Geology of east half of Johnstown and Creighton Quadrangles: Hover, 1.
- Geology of the Centerview Quadrangle: Bowman, 1.
- Geology of the Clinton North Quadrangle: Carver, 1.
- Geology of the Leeton-Cornelia area: Kinsley, 1.

Mineral commodities of Putnam County: Gentile, 2.

Post-Cheltenham, Pennsylvanian stratigraphy, Columbia-Hannibal region: Searight, T. K., 1.

Sedimentary environments of Pennsylvanian cycles: Wanless, 3.

Spore analysis of the "Alvis" coal of western Missouri: Todd, 1.

Stratigraphy of lower Marmaton rocks: Jeffries, 1.

Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.

LADORE FORMATION

Geology of Tarsney Quadrangle: Kinerney, 1.

Stratigraphy of the Kansas City Group: Parizek, 3.

"LAFAYETTE" FORMATION

Artesian origin of fissure caves: Brod, 2, 3.

Geology of the Tri-State district: Netzeband, W. F., 2.

Stratigraphic names in Midway and Wilcox Groups: Fisher, 1.

LAGONDA FORMATION

Desmoinesian rocks in southeast Kansas: Howe, 1.

Geology of east half of Johnstown and Creighton Quadrangles: Hoyer, 1.

Geology of the Burtville Quadrangle: Cahill, 1.

Geology of the Centerview Quadrangle: Bowman, 1.

Geology of the Clinton North Quadrangle: Carver, 1.

Geology of the Leeton-Cornelia area: Kinsley, 1.

Mineral commodities of Putnam County: Gentile, 2.

Palynology of selected coals, northeastern and north-central Missouri: Von Almen, 1.

Petrology of selected Pennsylvanian rocks: Leone, 1.

Post-Cheltenham, Pennsylvanian stratigraphy, Columbia-Hannibal region: Searight, T. K., 1.

LAKE NEOSHO MEMBER

Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.

LAMOTTE SANDSTONE

Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.

Cambro-Ordovician rocks of northeastern Oklahoma and adjacent areas: McCracken, M. H., 4.

Electrical properties of rocks in southeast Missouri: Zablocki, 1.

Exploration for lead in southeast Missouri: Henshaw, 1.

Genesis of Krueger zinc deposits and nearby barite deposits: Ligasacchi, A., 1.

Geology of copper deposits, Eminence region: Evans, L. L., 1.

Geology, southwest portion Des Arc Quadrangle: Boudreau, 1.

Grouting techniques: Reed, J. J., 3.

Petrology and mineralogy of the Fredericktown deposits: El Baz, 2.

Pre-Everton rocks, northern Arkansas: Caplan, 1.

Rocks of the Precambrian basement: Adams, 1.

Sedimentary features and geochemistry of sulfide facies between Lamotte and Bonnetterre formations: El Baz, 1.

Stratigraphy and petrology of the Lamotte formation: Ojakangas, R. W., 1.

LANE SHALE

Stratigraphy of the Kansas City Group: Parizek, 3.

LA SALLE FORMATION

Morphologic studies of the brachiopod genus *Composita*: Grinnell, 1.

LENAPAH FORMATION

Geology of Tarsney Quadrangle: Kinerney, 1.

Mineral commodities of Putnam County: Gentile, 2.

LEXINGTON COAL

Alvis and Lexington coals of Missouri: Searight, W. V., 7.

LINN SUBGROUP

Stratigraphy of the Kansas City Group: Parizek, 3.

LITTLE OSAGE MEMBER

Geology of east half of Johnstown and Creighton Quadrangles: Hover, 1.

Geology of the Burtville Quadrangle: Cahill, 1.

Geology of the Centerview Quadrangle: Bowman, 1.

Midcontinent Pennsylvanian Edestidae: Koenig, 12.

Mineral commodities of Putnam County: Gentile, 2.

Miospore assemblages in the Summit coal: Miller, J. P., 1.

Palynology of selected coals of north-central Missouri: Mumma, 1.

Post-Cheltenham, Pennsylvanian stratigraphy, Columbia-Hannibal region: Searight, T. K., 1.

Stratigraphy of lower Marmaton rocks: Jeffries, 1.

Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.

LITTLE SALINE FORMATION

Bryozoa and Stromatoporoidea, Devonian, Missouri: Birkhead, 1.

LOUISIANA LIMESTONE

Ammonoid succession of North American Devonian: House, 1.

Attachment loops on infant brachiopods from the Louisiana Limestone: Unklesbay, 1.

Basal relationships of the Mississippian: Mehl, 1, 2.

Conodonts from the Louisiana and McCraney formations: Scott, A. J., 1.

Devonian Foraminifera of the Louisiana Limestone: Conkin, J. E., 3.

Geology of the Bowling Green Quadrangle: Laswell, 1.

Kinderhookian Series; Mississippi Valley: Collinson, 5.

Mississippian microcrinoids from Oklahoma and New Mexico: Strimble, 1.

Mississippian trilobites of the family

Proetidae in the United States:

Hessler, 2, 3.

Pentecrinus, microcrinoid from Louisiana formation: Koenig, 5.

Subsurface stratigraphy of the Kinderhook Series in Illinois: Workman, 1.

LOUTRE FORMATION

Clay mineral relationships in Fire Clay pit No. 6D: Caneer, 1.

Petrology of selected Pennsylvanian rocks: Leone, 1.

LOVELAND FORMATION

New type section for Loveland loess in Iowa: Daniels, R. B., 1.

MCCRANEY FORMATION

Conodonts from the Louisiana and McCraney formations: Scott, A. J., 1.

Holothurian sclerites from Rockford limestone, Indiana: Gutschick, 2.

Kinderhookian Series, Mississippi Valley: Collinson, 5.

Subsurface stratigraphy of the Kinderhook Series in Illinois: Workman, 1.

MCNAIRY FORMATION

Cretaceous sedimentation, upper Mississippi Embayment: Pryor, 1, 2.

Cretaceous-Tertiary clay mineralogy: Pryor, 3.

MACY FORMATION

Brachiopod fauna, Macy formation: Dunscombe, 1.

MAPLE MILL FORMATION

Kinderhookian Series, Mississippi Valley: Collinson, 5.

Lower Osagean, Missouri and Illinois: Kissling, 1, 2.

Subsurface stratigraphy of the Kinderhook Series in Illinois: Workman, 1.

MAQUOKETA SHALE

Artesian origin of fissure caves: Brod, 2, 3.

Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.

Champlainian Series in Illinois: Templeton, 1.

- Coal resources of Iowa: Landis, 2, 3.
- Conodonts of the Ordovician Maquoketa formation in Iowa: Glenister, 1.
- Depauperate fauna, Maquoketa formation, Iowa and Illinois: Ojankas, D. R., 1.
- Eden conodonts, Cincinnati region, Ohio and Kentucky: Sweet, 2.
- Geology of the Bowling Green Quadrangle: Laswell, 1.
- Mineralogy and petrology of basal Maquoketa phosphatic beds, Iowa: Bromberger, 1.
- Ordovician foraminifera from Oklahoma, Missouri, Illinois and Kentucky: Conkin, J. E., 4.
- Structural reconnaissance of the High Ridge area: Bethke, 1.
- Three dimensional graptolites in the Maquoketa shale of Missouri: Werner, 1.
- Upper Ordovician stratigraphy in Eastern Interior region: Gutstadt, 1.
- MARMATON GROUP**
- A new Pennsylvanian coral from Missouri: Fraunfelter, 2.
- Basal Marmaton conodonts from Missouri: Klausing, 1.
- Coal resources of Iowa: Landis, 2, 3.
- Desmoinesian fusulinids of Missouri: Bebout, 1, 2.
- Geology of east half of Johnstown and Creighton Quadrangles: Hover, 1.
- Geology of Tarsney Quadrangle: Kinerney, 1.
- Geology of the Burtville Quadrangle: Cahill, 1.
- Geology of the Centerview Quadrangle: Bowman, 1.
- Geology of the Leeton-Cornelia area: Kinsley, 1.
- Mineral commodities of Putnam County: Gentile, 2.
- Mineral composition and origin of Warrensburg sandstone: Hubert, 1.
- Miospore assemblages in the Summit coal: Miller, J. P., 1.
- Palynology of selected coals of north-central Missouri: Mumma, 1.
- Palynology of the Lexington-Mystic coals: Weiser, 1.
- Pennsylvania (Desmoinesian) of Missouri: Searight, W. V., 5, 6.
- Pennsylvanian geology of the Lincoln fold: Searight, W. V., 9.
- Petrology and paleogeography of the Warrensburg Sandstone, western Missouri: Doty, 1, 2.
- Petrology of selected Pennsylvanian rocks: Leone, 1.
- Post-Cheltenham, Pennsylvanian stratigraphy, Columbia-Hannibal region: Searight, T. K., 1.
- Sampling variability of paleocurrent cross-bedding in the post-Myrick Station channel sandstone: Looft, 1.
- Sedimentary environments of Pennsylvanian cycles: Wanless, 3.
- Stratigraphy of lower Marmaton rocks: Jeffries, 1.
- Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.
- MASSIE CREEK FORMATION**
- Base of Mississippian System in Missouri: Mehl, 1.
- Geology of southern half of Warrenton Quadrangle: Heflin, 1.
- MAURY FORMATION**
- Age and correlation of Chattanooga Shale and Maury Formation: Hass, 1.
- Chattanooga Shale of Tennessee: Conant, 1.
- MEPPEN FORMATION**
- Stratigraphy and paleontology of the Meppen Formation in western Illinois and eastern Missouri: Pinney, 1.
- MERAMECIAN SERIES**
- Geology of the Filley Quadrangle: Walker, R. A., 1.
- Geology of the Tri-State district: Netzeband, W. F., 2.
- Middle Mississippian Series, north-eastern Missouri: Spreng, 1.
- Petrology of the chert in the Boone group: Barney, 1.
- Pleistocene and engineering geology

- of the Hannibal-Canton area: Heim, 5.
- Ste. Genevieve Formation at type locality: Short, 1.
- Study of the Meramec and lower Chester strata in northeastern Oklahoma, southwestern Missouri, and northwestern Arkansas: Harris, D. G., 1.
- MIDDLE CREEK LIMESTONE MEMBER**
- Stratigraphy of the Kansas City Group: Parizek, 3.
- MIDDLE DEVONIAN SERIES**
- Paleontology and stratigraphy of the Cedar City Formation: Fraunfelter, 1.
- Petrology and sedimentation of the Callaway Formation: Sleeman, 1.
- MIDWAY GROUP**
- Cretaceous-Tertiary clay mineralogy: Pryor, 3.
- General geology of the Mississippi Embayment: Cushing, 2.
- Palynology of the Midway-Wilcox boundary in Arkansas: Jones, E., 1.
- Stratigraphic names in Midway and Wilcox Groups: Fisher, 1.
- MIFFLIN FORMATION**
- Champlainian Series in Illinois: Templeton, 1.
- MINE CREEK MEMBER**
- Megafauna of the Pawnee Formation: Bridges, 1.
- Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.
- MINERAL FORMATION**
- Desmoinesian Brachiopoda and Mollusca from southwest Missouri: Hoare, 1.
- Desmoinesian rocks of southeast Kansas: Howe, 1.
- Geology of east half of Johnstown and Creighton Quadrangles: Hover, 1.
- Geology of the Burtville Quadrangle: Cahill, 1.
- Geology of the Clinton North Quadrangle: Carver, 1.
- Post-Cheltenham, Pennsylvanian stratigraphy, Columbia-Hannibal region: Searight, T. K., 1.
- MINEOLA FORMATION**
- Paleontology and stratigraphy of the Cedar City Formation: Fraunfelter, 1.
- MISSISSIPPIAN SYSTEM**
- Age and correlation of Chattanooga Shale and Maury Formation: Hass, 1.
- Age of the Rockford cephalopod fauna of Indiana: Lineback, 1.
- Alteration of limestone in the Tri-State district, Missouri: Hagni, 5.
- Aranaceous Foraminifera from the Chouteau limestone: Canis, 1.
- Aranaceous Foraminifera from oncolites: Gutschick, 6.
- Arenaceous Foraminifera from Rockford limestone, Indiana: Gutschick, 3.
- Artesian origin of fissure caves: Brod, 2, 3.
- Asphaltic rocks in western Missouri: Searight, W. V., 3.
- Auloblastus*, new blastoid from Burlington Limestone: Beavers, H. H., 1.
- Base of Mississippian System in Missouri: Mehl, 1.
- Biostratigraphic zonation of Devonian and Mississippian, Mississippi Valley: Collinson, 6.
- Burlington and Keokuk formations: Voss, 1.
- Calcisphaera*, Salem limestone, Illinois: Baxter, 1.
- Caves of St. Charles County: Missouri Speleological Survey, 33.
- Caves of St. Clair County: Missouri Speleological Survey, 34.
- Caves of Ste. Genevieve County: Missouri Speleological Survey, 35.
- Characteristics of explosion generated waves in limestone at small distances: Conner, 1.
- Chattanooga Shale of Tennessee: Conant, 1.

- Classification of Chesterian rocks of Illinois: Swann, 4.
- Conodont biostratigraphic zones and correlations: Collinson, 7.
- Conodonts from Golconda Group, Illinois: Rexroad, 4.
- Conodonts from Kinkaid formation, Illinois: Rexroad, 3.
- Conodonts from the Chappel limestone, Texas: Hass, 2.
- Conodonts from the Chester Series in the type area of southwestern Illinois: Rexroad, 1.
- Conodonts from the Keokuk, Warsaw, and Salem formations of Illinois: Rexroad, 7.
- Conodonts from the Meramecian series of Kansas: Thompson, T. L., 1.
- Conodonts from the Pella Formation, Iowa: Rexroad, 6.
- Conodonts from the St. Louis Formation, Illinois: Rexroad, 5.
- Cutters and pinnacles in Greene County: Fellows, 2, 3.
- Cyclic sedimentation of upper Fayetteville formation: Frouzan, 1.
- Devonian and Lower Mississippian Charophyta: Morales-Frias, 1.
- Devonian and Mississippian conodonts: Collinson, 6.
- Devonian Foraminifera of the Louisiana Limestone: Conkin, J. E., 3.
- Devonian-Mississippian boundary relationships in central Missouri: Haller, C. R., 1.
- Dispersal centers of clastics, upper Mississippi Valley: Potter, 2.
- Early Mississippian formations in Missouri: Moore, R. C., 1.
- Early Mississippian micropaleontology in the U. S.: Gutschick, 4.
- Earth waves generated from quarry blasts: Ginzel, 1.
- Echinoid jaws from the Mississippian and Pennsylvanian: Spreng, 2.
- Fenestrate Bryozoa in the Chouteau Group: Koenig, 2.
- Fern Glen Ostracoda: Echols, 1.
- Galloway Limestone Company: Herod, 8.
- Geologic observations at Ralphord Cave, Boone County: Deike, R. G., 2.
- Geologic reconnaissance of Clark and Lewis Counties: Noble, 1.
- Geodes: Fleener, 1.
- Geodes and concretions from the Warsaw Formation: Hayes, J. B., 1.
- Gemmaeocrinus* from the Glen Park Formation of northeastern Missouri: Fraunfelter, 3.
- Geology (NW $\frac{1}{4}$) of Washington Quadrangle: Martin, J. A., 1.
- Geology of the Bowling Green Quadrangle: Laswell, 1.
- Geology of Clifton City Quadrangle: Kebert, 1.
- Geology of Galena Quadrangle: Robertson, C. E., 1.
- Geology of Illinois parts of Cairo, LaCenter, Thebes Quadrangles: Pryor, 4.
- Geology of Matson-Defiance area, St. Charles County: Smith, M., 1.
- Geology of southern half of Warrenton Quadrangle: Heflin, 1.
- Geology of the copper deposits, Eminence region: Evans, L. L., 1.
- Geology of the Filley Quadrangle: Walker, R. A., 1.
- Geology of the Oklahoma Ozark region: Huffman, 8.
- Geology of the Sand Ridge area: Faber, 1.
- Geology of the Stockton Quadrangle: Baker, D. A., 1.
- Geology of the Tri-State district: Netzeband, W. F., 2.
- Geology (SE $\frac{1}{4}$) of the Augusta Quadrangle: Danielson, 1.
- Goniatites of the Burlington Limestone: Miller, A. K., 1.
- Grain size distribution, Chester sandstone: Swann, 2.
- Guidebook, field trip, forty-second ann. mtg. A.A.P.G.: Knight, R. D., 1.
- Guidebook, field trip to northeastern Missouri: Williams, J. H., 1.
- Holothurian sclerites from Rockford limestone, Indiana: Gutschick, 2.
- Hydrodynamics of the Mississippian

- blastoid genus *Globoblastus*: Macurda, 4.
- Inclusive minerals of Keokuk geodes: Tripp, 1.
- Interpretation of aeromagnetic data from southwest Missouri: Bissada, 1.
- Kinderhookian Series, Mississippi Valley: Collinson, 5.
- Lateral variations of limestone in the Tri-State district, Missouri: Saadallah, 1.
- Lincoln fold, northeastern Missouri: Koenig, 1.
- Lower Mississippian arenaceous Foraminifera, Oklahoma, Texas, and Montana: Gutschick, 5.
- Lower Mississippian cephalopods from the Rockford limestone of northern Indiana: Gutschick, 1.
- Lower Mississippian corals from New Mexico and Missouri: Bowsher, 1.
- Lower Mississippian trilobite genus *Proetides*: Hessler, 1.
- Lower Osagean, Missouri and Illinois: Kissling, 1.
- Lower Osagean stratigraphy, east-central Missouri: Kissling, 2.
- Microfauna from the Chouteau formation, St. Louis County: Brill, 1.
- Microfauna of the Bachelor Formation: Schneider, 1.
- Middle Mississippian Series, northeastern Missouri: Spreng, 1.
- Mineral paragenesis in the Tri-State district: Hagni, 1, 2, 4.
- Mississippian and Pennsylvanian megaspores, Illinois: Winslow, 1.
- Mississippian bioherms in northeast Oklahoma: Harbaugh, J. W., 1.
- Mississippian bioherms of southwestern Missouri: Troell, 1, 2.
- Mississippian boundaries and subdivisions: Branson, 3.
- Mississippian carbonate deposits of the Ozark region: Moore, R. C., 2.
- Mississippian cephalopods of the eastern United States: Knapp, W. D., 2.
- Mississippian Foraminifera of the Hannibal Formation of northeastern Missouri: Conkin, J. E., 5.
- Mississippian Foraminifera of the Northview Formation: Conkin, J. E., 2.
- Mississippi microcrinoids from Oklahoma and New Mexico: Strimple, 1.
- Mississippian ostracode faunas in southern Illinois: Benson, 1.
- Mississippian, Pennsylvanian, and Permian Ostracoda in the United States: Echols, 2.
- Mississippian rocks of western Illinois: Collinson, 3.
- Mississippian smaller Foraminifera of east-central United States: Conkin, J. E., 1.
- Mississippian stratigraphy and tectonics of the Oklahoma Ozark region: Huffman, 1.
- Mississippian System in Nebraska: Carlson, M. P., 1.
- Mississippian trilobites of the family Proetidae in the U. S.: Hessler, 2, 3.
- Morphologic studies of the brachiopod genus *Composita*: Grinnell, 1.
- Morphology and distribution of the Mississippian blastoid genus *Orphocrinus*: Macurda, 5.
- Morphology of *Globoblastus norwoodi*: Beavers, H. H., 2.
- New American Paleozoic echinoids: Kier, 1.
- New Lower Mississippian blastoid from Illinois: Fay, 2.
- North American *Fenestella* from Carboniferous of Great Britain and Ireland: Miller, T. G., 1.
- Northern midcontinent Missourian fusulinids: Thompson, M. L., 2.
- Observations on blastoid genera: Macurda, 1.
- On the tetracoral *Rotiphyllum radricula* (Rowley) from the Mississippian of Missouri: Easton, 1.
- Paleoecology of the Mississippian, Upper Mississippi Valley region: Williams, J. S., 1.
- Paleozoic stratigraphic patterns in North America: Wheeler, 2.
- Petrography of limestones and cherts from Tennessee: Marcher, 1.
- Petrology of the chert in the Boone Group: Barney, 1.

- Piezometric surface of the Grand Falls formation, Joplin district, Missouri: Nichols, 1.
- Pleistocene and engineering geology of the Hannibal-Canton area; Heim, 5.
- Pre-Atoka rocks of northern Arkansas: Frezon, 1.
- Pre-Desmoinesian rocks, central midcontinent: Huffman, 9.
- Ptychoblastus*, a new Mississippian blastoid: Fay, 1.
- Reconnaissance in central and southwestern states: Slaughter, 1.
- Relationship between *Diploblastus* and *Platyceras*: Levin, 1.
- Ste. Genevieve Formation at type locality: Short, 1.
- Scolecodonts from central Missouri: Sylvester, 1.
- Short Creek oolite in Oklahoma: Speer, 1.
- Solution phenomena in the Springfield area: Fellows, 1.
- Spirifer grimesi* from St. Joe limestone, Oklahoma: Huffman, 5.
- Stratigraphy and paleontology of the Meppen Formation in western Illinois: Pinney, 1.
- Stratigraphic significance of Mississippian endothyroid Foraminifera: Zeller, 1.
- Stratigraphic succession in Missouri: Howe, 3.
- Stratigraphy and structure of the Mineola-Danville area: Sinclair, 1.
- Stratigraphy (NE $\frac{1}{4}$) of Fordland Quadrangle: Taylor, 1.
- Stratigraphy of the Osage Series in southeastern Iowa: Harris, S. E., 1.
- Strip mines as a potential water source, Joplin District, Missouri: Harvey, 1.
- Structural deformation and ore deposits: Fowler, 2.
- Structural reconnaissance of the Byrnesville area: Thomas, C. W., 1.
- Structural reconnaissance of the High Ridge area: Bethke, 1.
- Study of Meramec and lower Chester strata in northeastern Oklahoma, southwestern Missouri and northwestern Arkansas: Harris, D. G., 1.
- Subsurface stratigraphy of the Kinderhook Series in Illinois: Workman, 1.
- Taxonomy and environments of *Dexiobia*: Driscoll, 1.
- The Cheltenham clay of Boone County: Patrick, 1.
- The genus, *Steganoerinus*: Brewer, 1.
- The Mississippian blastoid genera *Phaenoschisma*, *Phaenoblastus*, and *Conochisma*: Macurda, 3.
- Two Mississippian species of *Conocardium*: Branson, 2.
- Two new Camerate crinoid genera: Lane, N. G., 1.
- Upper Paleozoic floral zones of the U. S.: Read, C. B., 1.
- Upper Paleozoic of northern Arkansas: Garner, 1.

MISSOURIAN SERIES

- Arenaceous Foraminifera, Bronson Subgroup, Kansas: Quandil, 1.
- Displacement of limestone blocks: Parizek, 2.
- Facies relationships in the Bethany Falls Limestone: Payton, 1.
- Geology of Tarsney Quadrangle: Kinerney, 1.
- Geology of the Centerview Quadrangle: Bowman, 1.
- Interpretation of some Pennsylvanian cyclothems: Tubb, 1.
- Mineral commodities of Putnam County: Gentile, 2.
- Morphologic studies of the brachiopod genus *Composita*: Grinnell, 1.
- Morphologic study and emendation of *Vesicaspora*: Wilson, L. R., 1.
- Stratigraphy of the Kansas City Group: Parizek, 3.
- Stratigraphy of the Pleasanton Group, Kansas: Hatcher, 1.

"MOBERLY SANDSTONE"

- Petrology and paleogeography of Warrensburg sandstone: Doty, 1, 2.

MORROWAN SERIES

- Fossil spoor, Pennsylvanian, Arkansas: Henbest, 1.

Morphologic studies of the brachiopod genus *Composita*: Grinnell, 1.

MOUND CITY SHALE MEMBER

Stratigraphy of the Kansas City Group: Parizek, 3.

MULKY FORMATION

Desmoinesian rocks in southeast Kansas: Howe, 1.

Geology of east half of Johnstown and Creighton Quadrangles: Hover 1.

Geology of the Burtville Quadrangle: Cahill, 1.

Geology of the Centerview Quadrangle: Bowman, 1.

Geology of the Clinton North Quadrangle: Carver, 1.

Geology of the Leeton-Cornelia area: Kinsley, 1.

Mineral commodities of Putnam County: Gentile, 2.

Palynology of selected coals, northeastern and north-central Missouri: Von Almen, 1.

Petrology of selected Pennsylvanian rocks: Leone, 1.

Post-Cheltenham, Pennsylvanian stratigraphy, Columbia-Hannibal region: Searight, T. K., 1.

Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.

MUNCIE CREEK SHALE MEMBER

Stratigraphy of the Kansas City Group: Parizek, 3.

MYRICK STATION MEMBER

Megafauna of the Pawnee Formation: Bridges, 1.

Sampling variability of paleocurrent cross-bedding in the post-Myrick Station channel sandstone: Loeff, 1.

Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.

NACHUSA FORMATION

Champlainian Series in Illinois: Templeton, 1.

NEW ALBANY FORMATION

Subsurface stratigraphy of the Kin-

derhook Series in Illinois: Workman, 1.

NIAGARAN SERIES

Silurian conodonts from the Illinois basin: Liebe, 1.

NOEL FORMATION

Base of Mississippian System in Missouri: Mehl, 1.

Conodonts from basal sandstone, Noel shale: Brown, W. L., 1.

Noel shale, northeastern Oklahoma: Huffman, 7.

NORTH HILL GROUP

Kinderhookian Series, Mississippi Valley: Collinson, 5.

Subsurface stratigraphy of the Kinderhook Series in Illinois: Workman, 1.

NORTHVIEW FORMATION

Devonian-Mississippian boundary relationships in central Missouri: Haller, C. R., 1.

Geology of Galena Quadrangle: Robertson, C. E., 1.

Geology of the Clifton City Quadrangle: Kebert, 1.

Geology of the Filley Quadrangle: Walker, R. A., 1.

Geology of the Stockton Quadrangle: Baker, D. A., 1.

Geology of the Tri-State district: Netzeband, W. F., 2.

Lower Mississippian corals from New Mexico and Missouri: Bowsher, 1.

Mississippian Foraminifera of the Northview Formation: Conkin, J. E., 2.

Solution phenomena of the Springfield area: Fellows, 1.

Stratigraphy (NE $\frac{1}{4}$) of Fordland Quadrangle: Taylor, R. O., 1.

NOWATA FORMATION

Mineral commodities of Putnam County: Gentile, 2.

Mineral composition and origin of Warrensburg Sandstone: Hubert, 1.

Petrology and paleontology of the Warrensburg Sandstone: Doty, 1, 2.

NUTWOOD MEMBER

Kinderhookian Series, Mississippi Valley: Collinson, 5.

ORCHARD CREEK FORMATION

Conodonts in type section, Cincinnati Series: Sweet, 1.

Eden conodonts, Cincinnati region, Ohio and Kentucky: Sweet, 2.

Ordovician Foraminifera from Oklahoma, Missouri, Illinois, and Kentucky: Conkin, J. E., 4.

Upper Ordovician stratigraphy in Eastern Interior region: Gutstadt, 1.

ORDOVICIAN SYSTEM

A boulder in the Gunter sandstone, northeastern Oklahoma: Chenoweth, 1.

A Dire Wolf skeleton and Powder Mill Creek Cave: Galbreath, 1.

A late Pleistocene herpetofauna from Missouri: Holman, 1.

Arenaceous Foraminifera from Ordovician and Silurian formations of Oklahoma: Moreman, 1.

Artesian origin of fissure caves: Brod, 2, 3.

Brachiopod fauna, Macy formation: Dunscombe, 1.

Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.

Cambro-Ordovician rocks of Oklahoma and adjacent areas: McCracken, M. H., 4.

Caves of St. Charles County: Missouri Speleological Survey, 33.

Caves of Ste. Genevieve County: Missouri Speleological Survey, 35.

Cementation of Simpson and St. Peter Sandstones: Heald, 1.

Champlainian Series in Illinois: Templeton, 1.

Comparison of Jefferson City, Cotter, and Powell formations: Rapp, D. W., 1.

Conodont fauna and stratigraphy of the Pecatonica Member of the Platteville Formation: Guldenzopf, 1.

Conodonts in type section, Cincinnati Series: Sweet, 1.

Conodonts of the Ordovician Ma-

quoketa formation in Iowa: Glenister, 1.

Depauperate fauna, Maquoketa formation, Iowa and Illinois: Ojakangas, D. R., 1.

Diagenetic origin of the dolomites, chert, and pyrite in the Jefferson City formation: Schot, 1.

Dispersal centers of clastics, upper Mississippi Valley: Potter, 2.

Dolomite in the Joachim and Plattin formations, northern Arkansas: Freeman, 1.

Eden conodonts, Cincinnati region, Ohio and Kentucky: Sweet, 2.

Engineering geology of Stockton and Kaysinger Bluff dam sites, Missouri: Loepp, 1.

Fill correlations of limestone caverns, Franklin County, Missouri: Evans, J. H., 1.

Genesis of Krueger zinc deposits and nearby barite deposits: Ligasacchi, A., 1.

Genesis of Upper Plattin carbonates: Kuest, 1.

Geology (NW $\frac{1}{4}$) of Grandin Quadrangle: Barkdull, 1.

Geology (NW $\frac{1}{4}$) of Washington Quadrangle: Martin, J. A., 1.

Geology of Carroll Cave, Camden County: Helwig, 1.

Geology of Clifton City Quadrangle: Kebert, 1.

Geology of Camden County, Missouri: Helwig, 3.

Geology of copper deposits, Eminence region: Evans, L. L., 1.

Geology of Galena Quadrangle: Robertson, C. E., 1.

Geology of Illinois parts of Cairo, LaCenter, Thebes Quadrangles: Pryor, 4.

Geology of Matson-Defiance area, St. Charles County: Smith, M., 1.

Geology of southern half of Warren-ton Quadrangle: Heflin, 1.

Geology of the Decaturville disturbance: Krishnaswamy, 1.

Geology of the Filley Quadrangle: Walker, R. A., 1.

Geology of the north half of the Ellington Quadrangle: Thornton, 1.

- Geology of the Oklahoma Ozark region: Huffman, 8.
- Geology of the Sand Ridge area: Faber, 1.
- Geology of the Selma Farm area: Haack, 1.
- Geology of the Stockton Quadrangle: Baker, D. A., 1.
- Geology (S $\frac{1}{2}$) of Weldon Spring Quadrangle: Krummel, 1.
- Geology (SE $\frac{1}{4}$) of the Augusta Quadrangle: Danielson, 1.
- Groundwater geology of Boone County: Forbes, G. E., 1.
- Groundwater, southern half of Franklin County: Piskin, 1.
- Guidebook, field trip, forty-second ann. mtg. A.A.P.G.: Knight, R. D., 1.
- Guidebook, field trip to northeastern Missouri: Williams, J. H., 1.
- Hydraulic properties of Ordovician rocks at Pittsburg, Kansas: Stramel, 1.
- Interpretation of aeromagnetic data from southwest Missouri: Bissada, 1.
- Lateral variation of limestone in the Tri-State district, Missouri: Saadallah, 1.
- Lincoln fold, northeastern Missouri: Koenig, 9.
- Little Paddy Creek dam site, Missouri: Brennan, 1.
- Lower Ordovician gastropod *Ceratopea*: Yochelson, 1.
- Metabentonite or weathered shale of the Decorah Formation in Missouri: Allen, 8.
- Mineralogy and petrology of basal Maquoketa phosphatic beds, Iowa: Bromberger, 1.
- Nautiloids from the Gorman and Honeycut, Texas: Unklesbay, 5.
- Notes on the Dutchtown formation: Mehl, 5.
- Ordovician cyclic sediments in the upper Mississippi Valley area: Ostrom, 1.
- Ordovician Foraminifera from Oklahoma, Missouri, Illinois, and Kentucky: Conkin, J. E., 4.
- Ordovician stratigraphy in North America: Peterson, J. R., 1.
- Ordovician Stromatoporoidea of North America: Galloway, 1.
- Origin and development of Cave Spring: Vineyard, 1.
- Ostracoda from the Bloomsdale Member of the Plattin Formation of eastern Missouri: Hill, 1.
- Paleozoic stratigraphic patterns in North America: Wheeler, 2.
- Pandaspinygia*, a new trilobite genus from the Kimmswick: Esker, 1.
- Petrology of Roubidoux Formation: Carver 2.
- Pre-Atoka rocks of northern Arkansas: Frezon, 1.
- Pre-Desmoinesian rocks, central mid-continent: Huffman, 9.
- Pre-Everton rocks, northern Arkansas: Caplan, 1.
- Reservoir sites in the Meramec basin: Anderson, J. H., 1.
- Review of Ordovician algae: Johnson, J. H., 1.
- Sedimentary petrography and environments of the Plattin Group: Naikimbalkar, 1.
- Sinkholes west of St. Louis: Allen, 7.
- Sixteen Ordovician genotype trilobites: Whittington, 1.
- Some lower Ordovician monoplacophoran mollusks from Missouri: Yochelson, 1.
- Stratigraphic succession in Missouri: Howe, 3.
- Stratigraphy and structure of the Mineola-Danville area: Sinclair, 1.
- Stratigraphy (NE $\frac{1}{4}$) of Fordland Quadrangle: Taylor, R. O., 1.
- Stratigraphy of the Jefferson City Quadrangle: Duewel, 1.
- Stratigraphy, sedimentation, and petroleum possibilities of the Ordovician in Missouri: Misra, 1.
- Stratigraphy of the zinc-bearing Jefferson City Dolomite: Oder, 1.
- Strip mines as potential water source, Joplin District, Missouri: Harvey, 1.
- Structural reconnaissance of the Byrnesville area: Thomas, C. W., 1.

Structural reconnaissance of the High Ridge area: Bethke, 1.

The Crooked Creek disturbance: Kiilsgaard, 1.

The trilobite *Bumastus billingsi* in the Kimmswick of Missouri: Howell, 1.

Three dimensional graptolites in the Maquoketa Shale of Missouri: Werner, 1.

Upper Ordovician stratigraphy in Eastern Interior region: Gutstadt, 1.

OSAGEAN SERIES

Age of the Rockford cephalopod fauna of Indiana: Lineback, 1.

Auloblastus, a new blastoid from Burlington Limestone: Beavers, H. H., 1.

Conodonts from the Chappel limestone, Texas: Hass, 2.

Cutters and pinnacles in Greene County: Fellows, 2, 3.

Dentiblastus, a new blastoid genus from the Burlington: Macurda, 2.

Early Mississippian micropaleontology in the U. S.: Gutschick, 4.

Geology of Galena Quadrangle: Robertson, C. E., 1.

Geology of Matson-Defiance area, St. Charles County: Smith, M., 1.

Geology of the Filley Quadrangle: Walker, R. A., 1.

Geology of the Sand Ridge area: Faber, 1.

Geology of the Stockton Quadrangle: Baker, D. A., 1.

Geology of the Tri-State district: Netzeband, W. F., 2.

Goniatites of the Burlington Limestone: Miller, A. K., 1.

Lower Mississippian corals from New Mexico and Missouri: Bowsher, 1.

Lower Osagean, Missouri and Illinois: Kissling, 3.

Lower Osagean stratigraphy, east-central Missouri: Kissling, 2.

Middle Mississippian Series, north-eastern Missouri: Spreng, 1.

Mississippian bioherms of south-western Missouri: Troell, 1, 2.

Mississippian ostracode faunas in southern Illinois: Benson, 1.

Mississippian trilobites of the family Proetidae in the United States: Hessler, 2, 3.

Morphologic studies of the brachiopod genus *Composita*: Grinnell, 1.

Pleistocene and engineering geology of the Hannibal-Canton area: Heim, 5.

Petrology of the chert in the Boone Group: Barney, 1.

Stratigraphy (NE $\frac{1}{4}$) of Fordland Quadrangle: Taylor, R. O., 1.

Stratigraphy of the Osage Series in southeastern Iowa: Harris, S. E., 1.

The Cheltenham clay of Boone County: Patrick, 1.

The genus *Steganocrinus*: Brewer, 1.

The Mississippian blastoid genera *Phaenoschisma*, *Phaenoblastus*, and *Conochisma*: Macurda, 3.

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OWL CREEK FORMATION

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Cretaceous, Paleocene, and lower Eocene geologic history of northern Mississippi Embayment: Stearns, 1.

Cretaceous-Tertiary clay mineralogy: Pryor, 3.

General geology of the Mississippi Embayment: Cushing, 2.

Stratigraphic names in Midway and Wilcox Groups: Fisher, W. L., 1.

PAOLA LIMESTONE MEMBER

Stratigraphy of the Kansas City Group: Parizek, 3.

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Conodonts of the "Passo Beds", Missouri: Johnson, C. M., 1.

PAWNEE FORMATION

- Geology of the Centerview Quadrangle: Bowman, 1.
- Geology of the Clinton North Quadrangle: Carver, 1.
- Geology of the Leeton-Cornelia area: Kinsley, 1.
- Mega fauna of the Pawnee Formation: Bridges, 1.
- Mineral commodities of Putnam County: Gentile, 2.
- Paleoecology of the Pawnee Formation of Missouri: Thomas, E. R., 1.
- Post-Cheltenham Pennsylvanian stratigraphy Columbia-Hannibal region: Searight, T. K., 1.
- Sampling variability of paleocurrent cross bedding in the post-Myrick Station channel sandstone: Loeff, 1.
- Sedimentary environments of Pennsylvanian cycles: Wanless, 3.
- Stratigraphy of lower Marmaton rocks: Jeffries, 1.
- Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.

PECATONICA MEMBER

- Champlainian Series in Illinois: Templeton, 1.
- The conodont fauna and stratigraphy of the Pecatonica Member of the Platteville Formation: Guldenzopf, 1.

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- Sandstones, Douglas and Pedee Groups, northeastern Kansas: Sanders, 1.

PELLA FORMATION

- Conodonts from the Pella Formation: Rexroad, 6.

PENNSYLVANIAN SYSTEM

- A new Pennsylvanian coral from Missouri: Fraunfelter, 1.
- Age of the Cheltenham Formation: Searight, W. V., 10.
- Alvis and Lexington coals of Missouri: Searight, W. V., 7.
- Archaeolithophyllum*, Paleozoic coralline algae: Johnson, J. H., 1.

- Arenaceous Foraminifera, Bronson subgroup, Kansas: Quandil, 1.
- Arenaceous Foraminifera of the Shawnee group, Kansas: Schroeder, 1.
- Asphaltic rocks in western Missouri: Searight, W. V., 3.
- Atoka formations, northeastern Oklahoma: Blythe, 1.
- Basal Marmaton conodonts from Missouri: Klausing, 1.
- Base-level control patterns in cyclothemic sedimentation: Wheeler, 1.
- Brachiopoda and Mollusca from the Burgner Formation: Ragan, 1.
- Burgner Formation, pre-Desmoinesian Pennsylvanian deposit in southwestern Missouri: Searight, W. V., 4.
- Cephalopods from the Burgner Formation in Missouri: Unklesbay, 2.
- Certain energies of cation exchange of four Missouri fire clays: McBride, 1.
- Changes in Kansas stratigraphic nomenclature: O'Connor, 1.
- Charophyta of North America: Eyer, 1.
- Classification of Pennsylvanian strata of Illinois: Kosanke, 1.
- Clay mineral relationships in Fire Clay Pit No. 6D: Caneer, 1.
- Clay minerals as influenced by environments of their formation: Keller, 1.
- Coal resources of Iowa: Landis, 2, 3.
- Correlation of Pennsylvanian limestones by thermoluminescence: Bergstrom, R. E., 1.
- Conditions of deposition of Pennsylvanian coals: Wanless, 4.
- Conodonts of the Lake Neosho shale of Iowa, Missouri, and Kansas: Johansson, M. V., 1.
- Conostichus*: Branson, 4.
- Crinoid fauna from the Burgner Formation: Knapp, W. D., 1.
- Cyclic sedimentation and paleoecology of the Altamont Formation of Iowa: Schenk, 1.
- Cyclic sedimentation represented by Pennsylvanian and Permian rocks

- of northern midcontinent: Moore, R. C., 3.
- Cyclothems and larger sedimentary cycles of the Pennsylvanian: Weller, 1.
- Dating of illite polytypes: Bailey, 1.
- Depositional environments of cyclothems: Drlopp, 1.
- Desmoinesian Brachiopoda and Mollusca, southwest Missouri: Hoare, 1.
- Desmoinesian fusulinids of Missouri: Bebout, 1, 2.
- Desmoinesian rocks in southeast Kansas: Howe, 1.
- Desmoinesian rocks in the Montrose Quadrangle, Henry County: Henderson, L. B., 1.
- Dispersal centers of clastics, upper Mississippi Valley: Potter, 2.
- Displacement of limestone blocks: Parizek, 2.
- Diversity of rock types of the Higginsville Limestone, central Missouri: Loeff, 2.
- Echinoid jaws from the Mississippian and Pennsylvanian: Spreng, 2.
- Environmental mapping of the St. David cyclothem, Eastern and Western Interior coal basins: Gednetz, 1.
- Facies relationships in the Bethany Falls Limestone: Payton, 1.
- Fossil flora of the Drywood Formation of southwestern Missouri: Basson, 1.
- Fossil microfloral investigations in coals of eastern Kansas: Van Landingham, 1.
- Fossil spoor, Pennsylvanian, Arkansas: Henbest, 1.
- Fusulinids of the Desmoinesian-Missourian contact: Thompson, M. L., 1.
- Geochemistry, Cherokee Group in Kansas and Oklahoma: Baker, D. R., 1.
- Geologic cross section from western Missouri to western Kansas: Kellett, 1.
- Geologic reconnaissance of Clark and Lewis Counties: Noble, 1.
- Geologic study and mapping of Pennsylvanian rocks in western Missouri: Smart, 1.
- Geology (NW $\frac{1}{4}$) of Washington Quadrangle: Martin, J. A., 1.
- Geology of Cabaniss-Arpel area, Oklahoma: Govett, 1.
- Geology of east half of Johnstown and Creighton Quadrangles: Hover, 1.
- Geology of northwest portion of Lesterville Quadrangle: Buder, 1.
- Geology of southern half of Warrenton Quadrangle: Heflin, 1.
- Geology of Tarsney Quadrangle: Kinerney, 1.
- Geology of the Bowling Green Quadrangle: Laswell, 1.
- Geology of the Burtville Quadrangle: Cahill, 1.
- Geology of the Centerview Quadrangle: Bowman, 1.
- Geology of the Clinton North Quadrangle: Carver, 1.
- Geology of the Filley Quadrangle: Walker, R. A., 1.
- Geology of the Kansas City Group at Kansas City: Gentile, 5.
- Geology of the Leeton-Cornelia area: Kinsley, 1.
- Geology of the Oklahoma Ozark region: Huffman, 8.
- Geology of the Pleasant Hill Quadrangle, Missouri: Lohrengel, 1.
- Geology of the Stockton Quadrangle: Baker, D. A., 1.
- Geology of the Tri-State district: Netzeband, W. F., 2.
- Ground water, southern half of Franklin County: Piskin, 1.
- Guidebook, field trip to northeastern Missouri: Williams, J. H., 1.
- Influence of structure on sedimentation during the Pennsylvanian Period, western Missouri: Gentile, 3.
- Interpretation of aeromagnetic data from southwest Missouri: Bissada, 1.
- Interpretation of some Pennsylvanian cycles: Wanless, 3.
- Late Desmoinesian crinoids: Strimble, 3.
- Lateral variation of limestone in the

- Tri-State district, Missouri: Saadallah, 1.
- Lincoln fold, northeastern Missouri: Koenig, 9.
- Lower Pennsylvanian clay resources, Illinois: Parham, 1.
- Marker beds, lower Desmoinesian, northeastern Oklahoma: Branson, 1.
- Megafauna of the Pawnee Formation: Bridges, 1.
- Midcontinent Pennsylvanian Edestidae: Koenig, 12.
- Middle Pennsylvanian brachiopods, New Mexico: Gehrig, 1.
- Mineral commodities of Putnam County: Gentile, 2.
- Mineral commodities of the Kansas City area: Gentile, 5.
- Mineral composition and origin of Warrensburg Sandstone: Hubert, 1.
- Mineral paragenesis in the Tri-State district: Hagni, 2, 4.
- Mineralogy and petrology of Lower Cabaniss underclays in western Missouri: Tennissen, 2.
- Miospore assemblages in the Summit coal: Miller, J. P., 1.
- Mississippian and Pennsylvanian megaspores, Illinois: Winslow, 1.
- Mississippian, Pennsylvanian, and Permian Ostracoda in United States: Echols, 2.
- Morphologic studies of the brachiopod genus *Composita*: Grinnell, 1.
- Morphological study and emendation of *Vesicaspora*: Wilson, L. R., 1.
- Names of Oklahoma coal beds: Branson, 6.
- New Desmoinesian ammonoid from Oklahoma: Furnish, 1.
- New Pennsylvanian Brachiopoda from southwest Missouri: Hoare, 2.
- New records of the scyphomedusan *Conostichus*: Branson, 5.
- Northern midcontinent Missouri fusulinids: Thompson, M. L., 2.
- Occurrence of *Galateacrinus allisoni* in Oklahoma: Strimple, 2.
- Origin of Pennsylvanian underclay: Huddle, 1.
- Origin of some late Pennsylvanian coals in eastern Kansas: Jewett, 1.
- Paleoecology of the Pawnee Formation in Missouri: Thomas, E. R., 1.
- Paleoecology of the Worland Limestone: Johansson, F. C., 1.
- Paleozoic stratigraphic patterns in North America: Wheeler, 2.
- Palynological assemblage resemblance in the Croweburg coal: Wilson, L. R., 2.
- Palynological correlation of Bevier and Wheeler coals: Habib, 1.
- Palynological correlation of upper Cherokee coals: Hornbaker, 1.
- Palynology of selected coals, northeastern and north-central Missouri: Von Almen, 1.
- Palynology of the Bevier coal of Missouri: Jones, D. H., 1.
- Palynology of the Lexington-Mystic coals: Weiser, 1.
- Palynology of the Rowe coal, Oklahoma: Davis, P. N., 1.
- Palynology, Tebo coal of Oklahoma: Ruffin, 1.
- Pennsylvanian and Permian algae: Johnson, J. H., 5.
- Pennsylvanian Brachiopoda, southwest Missouri: Hoare, 2, 3.
- Pennsylvanian cephalopods of Oklahoma: Unklesbay, 3.
- Pennsylvanian (Desmoinesian) of Missouri: Searight, W. V., 5, 6.
- Pennsylvanian environmental studies in the Illinois basin and northern midcontinent: Wanless, 5.
- Pennsylvanian geology of the Lincoln fold: Searight, W. V., 9.
- Pennsylvanian invertebrates of the Mazon Creek area, Illinois: Richardson, 1.
- Pennsylvanian miospores from a cave deposit in Devonian limestone, Callaway County, Missouri: Upshaw, 1.
- Pennsylvanian, Permian, and Triassic charophyta of North America: Peck, 2.
- Pennsylvanian rocks, Eastern Interior basin: Wanless, 2.
- Pennsylvanian sandstones of the Eastern Interior basin: Siever, 1.

- Petrography and environment of Tiawah and Seville limestones: Carini, 1.
- Petrology and paleogeography of the Warrensburg Sandstone: Doty, 1, 2.
- Petrology of selected Pennsylvanian rocks: Leone, 1.
- Petrology of the Krebs Subgroup, western Missouri: Hayes, M. O., 1, 2.
- Petrology of underclays: Schultz, 1.
- Post-Cheltenham, Desmoinesian sedimentation, Columbia-Hannibal region: Searight, T. K., 1, 2.
- Pre-Desmoinesian rocks, central mid-continent: Huffman, 9.
- Pre-Marmaton Pennsylvanian deposits, Forest City basin: Searight, W. V., 8.
- Relations between Pennsylvanian rocks of the Eastern Interior and northern midcontinent coal basins: Wanless, 1.
- Sampling variability of paleocurrent cross bedding in the post-Myrick Station channel sandstone: Loeff, 1.
- Sandstone, Douglas and Pedee Groups, northeastern Kansas: Sanders, 1.
- Sedimentary environments of Pennsylvanian cycles: Wanless, 3.
- Six sections of the Deer Creek Limestone in Nebraska, Missouri and Kansas: Scafe, 1.
- Spore analysis of the "Alvis" coal of western Missouri: Todd, 1.
- Stratigraphic pattern in pre-Marmaton Desmoinesian cycles: Searight, W. V., 2.
- Stratigraphic record of sedimentation on Atlantic Coast, New Jersey: Fischer, 1.
- Stratigraphic significance of Mississippian endothyroid Foraminifera: Zeller, 1.
- Stratigraphic succession in Missouri: Howe, 3.
- Stratigraphy and paleontology of Pennsylvanian and Permian rocks in Kansas: Mudge, 1.
- Stratigraphy and structure of the Mineola-Danville area: Sinclair, 1.
- Stratigraphy (NE $\frac{1}{4}$) of Fordland Quadrangle: Taylor, R. O., 1.
- Stratigraphy of Pennsylvanian rocks of Bates, Henry and Vernon Counties: Gentile, 4.
- Stratigraphy of the Kansas City Group: Parizek, 3.
- Stratigraphy of the lower Marmaton rocks: Jeffries, 1.
- Stratigraphy of the Pleasanton Group, Kansas: Hatcher, 1.
- Strip mines as potential water source, Joplin District, Missouri: Harvey, 1.
- Strippable coal reserves of Illinois: Smith, W. H., 1.
- Suppression or partial suppression of cyclic sequences: Searight, W. V., 1.
- Sources of basal Pennsylvanian sediments in the Eastern Interior basin: Potter, 1.
- The Butler channel-fill deposit, Bates County, Missouri: Gentile, 1.
- The Cheltenham clay of Boone County: Patrick, 1.
- The Chonetid brachiopod *Mesolobus* and some of its species: King, 1.
- The Oread megacyclothem in the Forest City basin: Braden, 1.
- The Pennsylvanian Graydon Formation in Callaway County, Missouri: Murphy, D. L., 1.
- The Stanley Cemetery flora, Indiana: Wood, 1.
- Upper Paleozoic floral zones of the U. S.: Read, C. B., 1.
- Upper Paleozoic of northern Arkansas: Garner, 1.
- Uranium in rocks of Pennsylvanian age: Hyden, 1.

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- Changes in Kansas stratigraphic nomenclature: O'Conner, 1.
- Mississippian, Pennsylvanian, and Permian Ostracoda in U. S.: Echols, 2.
- Stratigraphy and paleontology of Pennsylvanian and Permian rocks of Kansas: Mudge, 1.
- Stratigraphic succession in Missouri: Howe, 3.

"PHELPS SANDSTONE"

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Geology of the Filley Quadrangle: Walker, R. A., 1.

Geology of the Stockton Quadrangle: Baker, D. A., 1.

Lower Mississippian corals from New Mexico and Missouri: Bowsher, 1.

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Mississippian Foraminifera of the Northview Formation: Conkin, J. E., 2.

Solution phenomena in the Springfield area: Fellows, 1.

Stratigraphy (NE $\frac{1}{4}$) of Fordland Quadrangle: Taylor, R. O., 1.

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Brachiopod fauna, Macy formation: Dunscombe, 1.

Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.

Champlainian Series in Illinois: Templeton, 1.

Dolomite in the Joachim and Plattin formations, northern Arkansas: Freeman, 1.

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Geology (SE $\frac{1}{4}$) of the Augusta Quadrangle: Danielson, 1.

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Geology of the Selma Farm area, Jefferson County, Missouri: Haack, 1.

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Guidebook, field trip to northeastern Missouri: Williams, J. H., 1.

Ostracoda from the Bloomsdale Member of the Plattin Formation of eastern Missouri: Hill, 1.

Sedimentary petrography and environments of the Plattin Group: Naiknimbalkar, 1.

Stratigraphy and structure of the Mineola-Danville area: Sinclair, 1.

Structural reconnaissance of the Byrnesville area: Thomas, C. W., 1.

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- Development of Wisconsinan classification in Illinois: Frye, 1.
- Evolution of level interfluvial divides of Kansas till plain, Iowa and Missouri: Shrader, 2.
- Gastropods of the loess of southern Boone County: Hatcher, R. A., 1.
- Geology of Carroll Cave, Missouri: Helwig, 1, 3.
- Geology of southern half of Warrenton Quadrangle: Heflin, 1.
- Geology of the Centerview Quadrangle: Bowman, 1.
- Geology of the Bowling Green Quadrangle: Laswell, 1.
- Geology of the Clinton North Quadrangle: Carver, 1.
- Groundwater geology of Boone County: Forbes, G. E., 1.
- Illinoian glaciation in Illinois: Leighton, 2.
- Late Pleistocene loesses of midwestern United States: Frye, 2.
- Location of buried channels in Grundy County by means of electrical resistivity: Meidav, 1.
- Microfossils in Wisconsinan loess and fill: Jones, R. L., 1.
- Mineral commodities of Putnam County: Gentile, 2.
- Missouri's ice age animals: Mehl, 4.
- Multiple early Pleistocene glacial stades, northeastern Kansas: Dort, 1.
- New concept of ice-age history: Lougee, 1.
- New type section for Loveland loess in Iowa: Daniels, 1.
- Origin and sources of loess in the central Great Plains: Lugn, 1.
- Pebble lithology of Nebraskan and Kansan tills, north-central Missouri: Schmaltz, 1, 3.
- Pedologic implications in mineralogy of gumbotil: Graf, 1.
- Petrology of some loess from Missouri and Massachusetts: Prevey, 1.
- Pleistocene and engineering geology of the Hannibal-Canton area: Heim, 5.
- Pleistocene deposits in the vicinity of Hannibal, Missouri: Heim, 7.
- Pleistocene deposits along Mississippi valley in central-western Illinois: Horberg, 1.
- Pleistocene deposits of the St. Louis area: Wermeyer, 1.
- Pleistocene drainage and depositional history, northwestern Missouri: Heim, 4.
- Pleistocene geology in a part of the Kansas City area: O'Connor, 2.
- Pleistocene geology of Clark County: Stone, 1.
- Pleistocene geology of the Monroe City-Center area: Goodfield, 1.
- Pleistocene geology of Platte County, Missouri: Davis, S. N., 1.
- Pleistocene woodchuck from a cave in Pulaski County: Zumsteg, 1.
- Preliminary report on Pleistocene mammals from Perry County caves: Oesch, 1.
- Preliminary study of the Pleistocene vertebrate fauna from Bat Cave, Missouri: Reynolds, J., 1.
- Problems of Pleistocene geology in the greater St. Louis area: Willman, 1.
- Revision of the classification of the Pleistocene deposits of Nebraska: Reeds, E. C., 1.
- Some Pleistocene land snail records from Missouri: Hubricht, 1.
- Stone lines, Kansas drift border, Kansas and Missouri: Parizek, 1.
- Stratigraphy of detrital fills of Carroll Cave: Helwig, 2.
- Subsurface mapping of glacial drift, southern Iowa: Cameron, 1.
- The Dire Wolf in Missouri: Hawksley, 2.
- The raccoon (*Procyon*) in North America: Arata, 1.
- Vegetational history of the Ozark forest: Steyermark, 1.
- Vertebrate remains in Nebraskan till, north-central Missouri: Schmaltz, 2.
- Wisconsin climate and life zones in North America: Dillon, 1.

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- Cretaceous-Tertiary clay mineralogy: Pryor, 3.
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- Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.
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 Cambro-Ordovician rocks of northeastern Oklahoma and adjacent areas: McCracken, M. H., 1.
 Genesis of Krueger zinc deposits and nearby barite deposits: Ligasacchi, A., 1.
 Geology of northwestern portion of Lesterville Quadrangle: Buder, 1.
 Geology of copper deposits, Eminence region: Evans, L. L., 1.
 Geology of the Annapolis area: Zimmerman, 1.
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 Origin and development of Cave Spring: Vineyard, 5.
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 Pre-Everton rocks, northern Arkansas: Caplan, 1.
 Stratigraphy and paleontology of Elvins Formation: Kurtz, V. E., 1.

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- Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.
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- Nautiloids from the Gorman and Honeycut, Texas: Unklesbay, 5.
 Pre-Everton rocks, northern Arkansas: Caplan, 1.
 Subsurface maps of the Canadian Series of Missouri: McCracken, E., 2.

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- Abandoned strip mines as potential water source, Joplin District, Missouri: Harvey, 1.
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 Chronological sequence of some Precambrian rocks of Missouri: Mantel, 1, 2.
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- Geology of the Graniteville Granite, Missouri: Hansink, 1, 2.
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- Gravity and magnetic fields of the Iron Mountain ore body: Beckham, 2.
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- Igneous petrology of the Taum Sauk area: Anderson, R. E., 3.
- Interpretation of aeromagnetic data from southwest Missouri: Bissada, 1.
- K_2O/Na_2O , possible index to chronological sequence to Precambrian rocks: Mantei, 1, 2.
- Magnetic data and petrographic analyses of Precambrian rocks: Frank, 1.
- Missouri iron deposits: Hayes, W. C., 3.
- Notes on geology of Taum Sauk area: Anderson, R. E., 1.
- Paleomagnetic investigations in the St. Francois Mountains: Scharon, 2.
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- Paleomagnetic research in Missouri: Scharon, 4.
- Petrographic and modal analysis of the Slabtown Granite: Lemmon, R. D., 1.
- Petrology and mineralogy of the Fredericktown deposits: El Baz, 2.
- Petrology of the St. Francois Mountains batholith, Missouri: Robertson, F., 1.
- Polygonal and ring patterns, Precambrian and Paleozoic of Missouri: Amstutz, 3.
- Pre-Atoka rocks of northern Arkansas: Frezon, 1.
- Precambrian basement of Illinois: Bradbury, 1.
- Precambrian geology of Washington County area: French, 1.
- Precambrian granites of southeastern Missouri: Kisvarsanyi, 1.
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- Precambrian of southeast Missouri: Snyder, 5.
- Precambrian rock types in Kansas: Merriam, 2.
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- Pre-Everton rocks, northern Arkansas: Caplan, 1.
- Regional gravity survey, St. Francois Mountains: Gerlach, 1.
- Rocks of the Precambrian basement: Adams, 1.
- Stratigraphic succession in Missouri: Howe, 3.
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- Underground geology at Iron Mountain: Murphy, J. E., 1.

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- Kinderhookian Series, Mississippi Valley: Collinson, 5.
- Subsurface stratigraphy of the Kinderhook series in Illinois: Workman, 1.

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- Alluvial morphology and Quaternary history of the Missouri River: Dahl, 1.
- Cherokee Cave bone deposit: Webster, 3.
- Development of Wisconsinan classification in Illinois: Frye, 1.
- Geology of Matson-Defiance area, St. Charles County: Smith, M., 1.
- Geology of Illinois parts of Cairo, LaCenter, Thebes Quadrangles: Pryor, 4.
- Geology of northwest portion of Leserterville Quadrangle: Buder, 1.
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- Geology of the Filley Quadrangle: Walker, R. A., 1.
- Geology of southern half of Warrenton Quadrangle: Heflin, 1.
- Groundwater geology of Boone County: Forbes, G. E., 1.
- Ground water, southern half of Franklin County: Piskin, 1.
- Illinoian glaciation in Illinois: Leighton, 2.
- Late Pleistocene loesses of mid-western United States: Frye, 2.
- Microfossils in Wisconsin loess and fill: Jones, R. L., 1.
- Mesozoic-Cenozoic history of Mississippi Embayment: Pryor, 5.
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- New type section for Loveland loess in Iowa: Daniels, R. B., 1.
- Pebble lithology of Nebraskan and Kansan tills: Schmaltz, 1, 3.
- Pedologic implications in mineralogy of gumbotil: Graf, 1.
- Petrology of some loess from Missouri and Massachusetts: Prevey, 1.
- Pleistocene deposits of the St. Louis area: Wermeyer, 1.
- Pleistocene deposits in the vicinity of Hannibal, Missouri: Heim, 7.
- Pleistocene and engineering geology of the Hannibal-Canton area: Heim, 5.
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- Pleistocene geology in a part of the Kansas City area: O'Connor, 2.
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- Preliminary report on Pleistocene mammals from a Perry County cave: Oesch, 1.
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- Revision of the classification of the Pleistocene deposits of Nebraska: Reed, 1.
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- Subsurface mapping of glacial drift in southern Iowa: Cameron, 1.
- The Dire Wolf in Missouri: Hawksley, 2.
- The raccoon (*Procyon*) in North America: Arata, 1.
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- Water resources and the Mississippi Embayment Project: Cushing, 1.
- QUIMBY'S MILL FORMATION**
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- QUIVIRA SHALE MEMBER**
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- RAYTOWN LIMESTONE MEMBER**
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- REEDS SPRING FORMATION**
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- RIVERTON FORMATION**
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- "ROARING RIVER" SANDSTONE**
- Base of Mississippian System in Missouri: Mehl, 1.
- Conodonts from basal sandstone, Noel shale: Brown, W. L., 1.
- ROBINSON BRANCH FORMATION**
- Desmoinesian Brachiopoda and Mollusca from southwest Missouri: Hoare, 1.
- Geology of the east half of the Johnstown and Creighton Quadrangles: Hover, 1.
- Post-Cheltenham, Pennsylvanian stratigraphy, Columbia-Hannibal region: Searight, T. K., 1.
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- ROCKFORD FORMATION**
- Arenaceous Foraminifera from Rockford limestone, Indiana: Gutschick, 3.
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- ROUBIDOUX FORMATION**
- Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.
- Cambro-Ordovician rocks of northeastern Oklahoma and adjacent areas: McCracken, M. H., 4.
- Genesis of Krueger zinc deposits and nearby barite deposits: Ligasacchi, A., 1.
- Geology (NW $\frac{1}{4}$) of Grandin Quadrangle: Barkdull, 1.
- Geology of copper deposits, Eminence region: Evans, L. L., 1.
- Geology of Carroll Cave, Missouri: Helwig, 1, 3.
- Geology of the north half of the Ellington Quadrangle: Thornton, 1.
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- Origin and development of Cave Spring: Vineyard, 5.
- Petrology of Roubidoux Formation: Carver, 2.
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- ROWE FORMATION**
- Desmoinesian Brachiopoda and Mollusca from southwest Missouri: Hoare, 1.
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- Fossil flora of the Drywood Formation of southwestern Missouri: Basson, 1.
- Geology of the Burtville Quadrangle: Cahill, 1.
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- Palynology of the Rowe coal, Oklahoma: Davis, P. N., 1.
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- ST. JOE FORMATION**
- Mississippian bioherms in northeast Oklahoma: Harbaugh, J. W., 1.
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Petrography of Mississippian limestones and cherts from Tennessee: Marcher, 1.

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Cambrian and Ordovician strata of northeastern Illinois: Bushbach, 1.

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Geology of Clifton City Quadrangle: Kebert, 1.

Geology of southern half of Warren-ton Quadrangle: Heflin, 1.

Geology of the Matson-Defiance area, St. Charles County: Smith, M., 1.

Geology of the Sand Ridge area: Faber, 1.

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Magnetometer survey of an anomaly south of Valley Park: Young, D. D., 1.

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Structural reconnaissance of the Byrnesville area: Thomas, C. W., 1.

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SALEM FORMATION

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Kinderhookian Series, Mississippi valley: Collinson, 5.

Palynology of Grassy Creek and

Saverton shales of Missouri:
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Kinderhookian Series in Illinois:
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SCALES FORMATION

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SCAMMON FORMATION

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lusca from southwest Missouri:
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Kansas: Howe, 1.

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rangle: Carver, 1.

Petrography and environment of
Tiawah and Seville limestones:
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The Cheltenham clay of Boone
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Haller, C. R., 1.

Geology of Clifton City Quadrangle:
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Lower Mississippian corals from New
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Kansas: Howe, 1.

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Basson, 1.

Geology of the Clinton North Quad-
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Petrography and environment of
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Petrology of the Krebs Subgroup,
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The Chonetid brachiopod *Mesolobus*
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Correlation of the Edgewood and
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Oklahoma: Moreman, 1.

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- LaCenter, Thebes Quadrangles: Pryor, 4.
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- "SIPHONODELLA BEDS"**
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- SKRAINKA GABBRO**
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- SLABTOWN GRANITE**
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- SMITHVILLE FORMATION**
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- SNIABAR LIMESTONE MEMBER**
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- SNYDER CREEK FORMATION**
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- SPECHTS FERRY FORMATION**
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- SPRINGVILLE FORMATION**
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- STARK SHALE MEMBER**
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- STARRS CAVE FORMATION**
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- Base of Mississippian System in Missouri: Mehl, 1.
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- Desmoinesian Brachiopoda and Mollusca from southwest Missouri: Hoare, 1.
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