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BIBLIOGRAPHY
of the
Geology of Missouri
1945-1955

EDWARD L. CLARK, NANCY L. SCOFIELD,
JOHN W. KOENIG

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STATE OF MISSOURI
Department of Business and Administration
Division of
GEOLOGICAL SURVEY AND WATER RESOURCES
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Rolla, Missouri

CONTENTS

	Page
Introduction	6
Abbreviations	7
Serials examined	9
Bibliography	13
Index	87
Counties of Missouri—their geology	87
✓ Economic geology, mining, and metallurgy	100
Geochemistry	112
✓ Geophysics	112
Hydrology	113
Mineralogy	113
Paleontology	117
Petrology and petrography	120
Physiography	122
Soils	127
Stratigraphy	129
Structural geology	141
Miscellaneous subjects	142
Geological maps of all parts of Missouri	143

LETTER OF TRANSMITTAL

Rolla, Missouri
June 30, 1956

Honorable Phil M. Donnelly
Governor of Missouri
Jefferson City, Missouri

Dear Governor Donnelly:

I have the honor and pleasure to transmit herewith the BIBLIOGRAPHY OF THE GEOLOGY OF MISSOURI, 1945-1955, by Edward L. Clark, Nancy L. Scofield, and John W. Koenig.

This compilation which lists publications that have appeared in the ten year interval since the cumulative bibliography published by the Survey in 1945 contains several pre-1945 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economic development and academic research, it provides a quick and accurate reference to all the current published and unpublished information pertaining to the State's geology and associated natural resources.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,

THOMAS R. BEVERIDGE
State Geologist

INTRODUCTION

This bibliography which is concerned with literature pertaining to the geology of the State of Missouri lists published and unpublished works which have appeared since 1945. It also contains several titles which were not included in the cumulative bibliography published by the Survey in 1945.

Although an effort has been made to incorporate every title concerned with the geology of this State, some references undoubtedly have been missed. If such omissions are noted by the users of this volume, the titles and authors should be referred to the Missouri Geological Survey and Water Resources.

This volume supplements and expands the bibliography edited and published under Dr. Clark's direction in 1945 as volume 31. Until the time of his departure from the Survey's staff in 1955, Dr. Clark continued to record references pertaining to the State's geology. The efforts of Thomas R. Beveridge also added materially to the completion of the work which was finally added to, revised, and thoroughly checked by Mrs. Nancy L. Scofield. Final editing was done by John W. Koenig.

Necessarily, a work of this character is not accomplished without the generous assistance of a number of individuals and institutions, and the compilers of this volume wish to express their gratitude for such assistance as has been given them. Acknowledgments are especially due to the following institutions for the availability of their libraries and the help of their librarians: University of Missouri, Department of Geology, Columbia, Missouri; University of Missouri, School of Mines and Metallurgy, Rolla, Missouri; Washington University, Department of Geology, St. Louis, Missouri; St. Louis University, St. Louis, Missouri; State University of Iowa, Iowa City, Iowa; and University of Michigan, Department of Geology, Ann Arbor, Michigan.

ABBREVIATIONS

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

p.—page
pp.—pages
Prest.—presented
Priv.—private
Proc.—proceedings
Prof.—professional
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
Sta.—station
Summ.—summary
Suppl.—supplement
t.—tomus
Tech.—technical
Top.—topographic
Trans.—transactions
Univ.—university
U. S.—United States
vol.—volume

SERIALS EXAMINED

- 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. Easton, Pennsylvania.
- Am. Electrochemical Soc. Trans.—American Electrochemical Society Transactions. Baltimore, Maryland.
- Am. Geol. Inst., Geol. Abstracts—American Geological Institute, Geological 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. Lancaster, Pennsylvania.
- 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. Lancaster, Pennsylvania.
- Bibliography of Geology Theses. Denver, Colorado.
- Chemical News (Chemical News and Engineering). Easton, Pennsylvania.
- Earth Sci. Digest—Earth Science Digest. Revere, Massachusetts.
- Earthquake Notes. Washington, D. C.
- Econ. Geology—Economic Geology. Urbana, Illinois.
- Eng. and Min. Jour.—Engineering and Mining Journal. New York, New York.
- Excavating Eng.—Excavating Engineer. South Milwaukee, Wisconsin.
- Field Operations, Bur. of Soils, U. S. Dept. of Agri.—Field Operations, Bureau of Soils, United States Department of Agriculture. Washington, D. C.
- Geol. Soc. America, Bull.; Special Paper—Geological Society of America, Bulletin; Special Paper. New York, New York.
- Geophysics. Austin, Texas.

- Illinois Acad. Sci. Trans.—Illinois (State) Academy of Science Transactions. Springfield, Illinois.
- Illinois 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. Paleontology—Journal of Paleontology. Tulsa, Oklahoma.
- Jour. Sed. Petrology—Journal of Sedimentary Petrology. Menasha, Wisconsin.
- Kansas Acad. of Sci. Trans.—Kansas Academy of Science Transactions. Topeka, Kansas.
- Kansas State Geol. Survey, Bull.; Repts.—Kansas State Geological Survey, Bulletin; Reports. Lawrence, Kansas.
- Mineralogical Abstracts. London, England.
- Min. and Met. Soc. Am.—Mining and Metallurgical Society of America. New York, New York.
- Min. Eng.—Mining Engineering. New York, New York.
- Min. Cong. Jour.—Mining Congress Journal. Washington, D. C.
- Min. World—Mining World. San Francisco, California.
- Missouri Archaeological Soc. Memoir—Missouri Archaeological Society Memoir. Columbia, Missouri.
- Missouri Archaeologist. Columbia, Missouri.
- Missouri Bot. Garden Bull.—Missouri Botanical Garden Bulletin. St. Louis, Missouri.
- Missouri Geol. Survey and Water Resources, Bull.; Inf. Circ.; Rept. Inv.—Missouri Geological Survey and Water Resources, Bulletin; Information Circular; Report of Investigations. Rolla, Missouri.
- Missouri Hist. Rev.—Missouri Historical Review. Columbia, Missouri.
- Nat. Geog. Mag.—National Geographic Magazine. Washington, D. C.
- Nat. Research Council, Division of Geology and Geography, Ann. Rept.—National Research Council, Division of Geology and Geography, Annual Report. Washington, D. C.
- Nat. Speleological Soc. Bull.—National Speleological Society Bulletin. Washington, D. C.
- Oil and Gas Jour.—Oil and Gas Journal. Tulsa, 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.
- Soil Sci.—Soil Science. New Brunswick, New Jersey.
- State Geologist's Jour.—State Geologist's Journal. Rolla, Missouri.
- Tennessee Division of Geology, Rept. Inv.—Tennessee Department of Conservation, Division of Geology, Report of Investigations. Nashville, Tennessee.
- Union Electric Mag.—Union Electric Magazine. St. Louis, Missouri.
- U. S. Bur. Mines, Inf. Circ.; Materials Survey; Minerals Yearbook; Rept. Inv.—United States Bureau of Mines, Information Circular; Materials Survey; Minerals Yearbook; Reports of Investigations. Washington, D. C.
- U. S. Dept. Agri. Ser.—United States Department of Agriculture Series. 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.
- Univ. of Kansas, Paleontological Contr.—University of Kansas, Paleontological Contributions. Lawrence, Kansas.
- Univ. of Missouri Agri. Exp. Sta. Research Bull.—University of Missouri Agricultural Experimental Station Research Bulletin. Columbia, Missouri.
- Univ. of Missouri Arts and Sci. Ser.—University of Missouri Arts and Science Series. Columbia, Missouri.
- Univ. of Missouri Eng. Exp. Sta. Bull.—University of Missouri Engineering Experimental Station Bulletin. Columbia, Missouri.
- Univ. of Missouri, School of Mines and Met., Bull.; Tech. Ser.—University of Missouri, School of Mines and Metallurgy, Bulletin; Technical Series. Rolla, Missouri.
- Univ. of Missouri Studies—University of Missouri Studies. Columbia, Missouri.
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Index

COUNTIES OF MISSOURI —THEIR GEOLOGY

ADAIR COUNTY.

- Zones of Plattin-Joachim of eastern Missouri: Grohskopf, 4.
- Upper Marmaton strata in western and northern Missouri: Howe, 2.

ANDREW COUNTY.

- Soil survey: Sweet, 14.
- Stratigraphy of Oregon Quadrangle: Planalp, 1.

ATCHISON COUNTY.

- Soil survey: Mann, 3.

AUDRAIN COUNTY.

- Torbernite in Missouri fire clay: Keller, 15.
- Mineral composition in relation to particle size for a Missouri plastic fire clay: May, 1.
- Illite and montmorillonite in green sedimentary rocks: Keller, 16.

BARRY COUNTY.

- Geology of southwest quarter of Aurora Quadrangle: Diem, 1.
- Geology of a portion of Shell Knob Quadrangle: Raney, 1.
- Radium mine in the Ozarks?: Schoffelmayer, 1.
- Soil survey: Sweet, 11.
- Bibliography and index of literature on uranium and thorium and radioactive occurrences in the U.S.: Cooper, M., 1.
- Fortune formation: Clark, E. L., 2.
- Table Rock basin: Adams, L. M., 1.
- Biogeochemical investigations in Tri-State district: Harbaugh, 1.

BARTON COUNTY.

- Strip-mined lands of western Interior Coal province: Rogers, N. F., 1.
- Soil survey: Krusekopf, 3.
- Fusulinid Foraminifera in the Cherokee group: Orlansky, 1.

BATES COUNTY.

- Analysis of tippie and delivered samples of coal—for 1951: Aresco, 1.
- Strip coal in western Missouri: Read, M., 1.
- Strip-mined lands of western Interior Coal province: Rogers, N. F., 1.
- Soil survey: Mann, 2.
- Upper Marmaton strata in western and northern Missouri: Howe, 2.

BENTON COUNTY.

- Geology of a portion of Benton County: Bay, 1.
- Geology of Shawnee Bend Quadrangle: McMillan, D. E., Jr., 1.

BOLLINGER COUNTY.

- Geology of northern half of Marquand Quadrangle: Breitenwischer, 1.

BOONE COUNTY.

- Clay and other non-carbonate minerals in some limestones: Robbins, 1.
- Small spores from Summit coal: Reinertsen, 1.
- Geography of the northern Ozark border region in Missouri: Collier, 1.
- Geologic interpretation of occurrence of glacial drift: Patterson, E. D., 1.
- Geological description: Clark, E. L., 5.
- Geology of Browns Station anticline: Allen, W. B., 1.
- Geology of T. 50 N., R. 13 W., Boone County: Danser, 1.
- Geology of southwest portion of Millersburg Quadrangle: Ditzel, 1.
- Geology of southern Boone County: Rush, 1.
- Geology of southwestern Boone County: Rush, 1.

Geology of east-central Boone County: Taylor, J. R., 1.

Geology of Boone County: Unklesbay, 3.

Bibliography and index of literature on uranium and thorium and radioactive occurrences in the U. S.: Cooper, M., 1.

On the radioactivity of some natural waters of Missouri: Moore, R. B., 1.

Investigation of Pennsylvanian channel-form sandstones: Rexroad, 1.

Depositional environment of part of the Fort Scott formation: Larsen, K. G., 1.

Origin and occurrence of oolites in the Sylamore formation: Swartzlow, 1.

Fusulinid Foraminifera in the Cherokee group: Orlansky, 1.

An unusual specimen of the genus *Athyris*: Unklesbay, 1.

"Pavement boulders" as interglacial evidence: Holmes, C. D., 1.

Origin of gumbotil: Hseung, 1.

Some features of cherts in vicinity of Columbia: Trefethen, 1.

BUCHANAN COUNTY.

Soil survey: Tillman, 3.

BUTLER COUNTY.

Southeast Missouri secondary limonite deposits: Ballinger, 4.

CALDWELL COUNTY.

Ceramic properties of clays of the Polo gas field: Lambelet, 1.

Geology of the Breckenridge area with particular reference to oil and gas possibilities: Studt, 1.

Soil survey: DeYoung, 2.

CALLAWAY COUNTY.

Strip-mined lands of western Interior Coal province: Rogers, N. F., 1.

Geography of the northern Ozark border region in Missouri: Collier, 1.

Geology of northwest portion of Mo-kane Quadrangle: Granata, 1.

Geology of a portion of southeastern Callaway County: Hambleton, 1.

Geology of southeast portion of Fulton Quadrangle: Hampstead, 1.

Geology of east-central portion of Jefferson City Quadrangle: Harlan, 1.

Geology of a portion of southwestern Callaway County: McCarty, 1.

Geology of southeastern Callaway County: Miller, R. G., 1.

Geology of southeast portion of Millersburg quadrangle: Otten, 1.

Geology of New Bloomfield area: Sanders, 1.

Geology of southwest portion of Montgomery City Quadrangle: Strassberg, 1.

Geology of Fulton Quadrangle: Unklesbay, 6.

Soil survey: Krusekopf, 8.

Investigation of the Graydon formation: Murphy, 1.

Illite and montmorillonite in green sedimentary rocks: Keller, 16.

Machines help tame Big Muddy: Day, 1.

History of the firebrick and refractories industry in Missouri: Roberts, C. N., 1.

CAMDEN COUNTY.

Barite deposits of central Missouri: Mather, 2.

Cave explorations in the Ozark region of central Missouri: Fowke, 1.

CAPE GIRARDEAU COUNTY.

Clay and other non-carbonate minerals in some limestones: Robbins, 1.

Geology of Cape Girardeau and Jonesboro Quadrangles: Gealy, 1.

Geology in and adjacent to Cape Girardeau: Marshall, J. H., 1.

Soil survey: Krusekopf, 1.

Zones of Platin-Joachim of eastern Missouri: Grohskopf, 4.

Stratigraphy of Platin group, southeastern Missouri: Larson, E. R., 3.

Streamlining quarry procedure at
Cape Girardeau: Anonymous, 5.

CARROLL COUNTY.

Coal in northeastern Carroll County and southeastern Livingston County: Howe, 3.

Geology of Coloma Quadrangle: Gregory, 1.

Soil survey: Vanatta, 2.

CASS COUNTY.

Soil survey: Krusekopf, 4.

Bibliography and index of literature on uranium and thorium and radioactive occurrences in the U. S.: Cooper, M., 1.

CEDAR COUNTY.

Soil survey: Watson, 1.

Bibliography and index of literature on uranium and thorium and radioactive occurrences in the U. S.: Cooper, M., 1.

On the radioactivity of some natural waters of Missouri: Moore, R. B., 1.

Stratigraphy and structure of Eldorado Springs North Quadrangle: Barker, 1.

Stratigraphy and structure of Tiffin Quadrangle: Paslay, 1.

Stratigraphy and structure of Roscoe Quadrangle: Stenberg, 1.

CHARITON COUNTY.

Soil survey: Watkins, 2.

CHRISTIAN COUNTY.

Geology of a portion of Halltown Quadrangle: Clark, E. L., 1.

Churn drilling at Mary Arnold zinc-lead mines: Ballinger, 3.

Mon-Ark zinc and lead mines: Ballinger, 6.

CLARK COUNTY.

Subdrift valleys of southeastern Iowa: Beveridge, 1.

Goethite in a "Keokuk" geode: Hurlbut, 1.

CLAY COUNTY.

Water resources of the Kansas City area: Fishel, 1.

CLINTON COUNTY.

Bibliography and index of literature on uranium and thorium and radioactive occurrences in the U. S.: Cooper, M., 1.

On the radioactivity of some natural waters of Missouri: Moore, R. B., 1.

COLE COUNTY.

Exploration for Barite deposits: Brune, 1.

Barite deposits of central Missouri: Mather, 2.

Barite mining in Missouri: Muilenburg, 5.

Geography of the northern Ozark border region in Missouri: Collier, 1.

Soil survey: Sweet, 13.

Cave explorations of the Ozark region of central Missouri: Fowke, 1.

COOPER COUNTY.

Barite deposits of central Missouri: Mather, 2.

Geography of the northern Ozark border region in Missouri: Collier, 1.

Soil survey: Sweet, 1.

CRAWFORD COUNTY.

Geography of the northern Ozark border region in Missouri: Collier, 1.

Geology of Crooked Creek area: Hendriks, 1.

Geology of Crooked Creek structure: Hendriks, 2.

Geology of Steelville Quadrangle: Hendriks, 3.

Geology of northern portion of Steelville Quadrangle: Mickelson, 1.

Geology of north half of Meramec Spring Quadrangle: Mueller, 1.

Geology of southeast portion of Sullivan Quadrangle: Petrie, 1.

Filled-sink iron deposits: Dupuy, 1.

Exploration of Silver Hollow, Newbauer, and Coleman iron deposits: Kreamalmyer, 1.

Soil survey: Hearn, 1.

Summary of Bureau of Mines exploration projects on deposits of raw material resources for steel production: Julihn, 1.

Bibliography and index of literature on uranium and thorium and radioactive occurrences in the U. S.: Cooper, M., 1.

Crooked Creek "cryptovolcanic" structure, Steelville: Fox, 2.

"Cryptovolcanic" force fields: Fox, 3.

Structure of Bourbon-Sullivan area: Searight, T. K., 2.

Exploration of the Bourbon magnetic anomaly: McMillan, W. D., 1.

Radioactivity of the pre-Cambrian section of the Bourbon well core: Damon, 1.

Radioactivity and mineralization in rhyolite porphyry: Damon, 2.

History of the firebrick and refractories industry in Missouri: Roberts, C. N., 1.

DEKALB COUNTY.

Soil survey: Krusekopf, 6.

DENT COUNTY.

Geology of Steelville Quadrangle: Hendriks, 3.

Geology of south half of Meramec Spring Quadrangle: Yorston, 1.

Filled-sink iron deposits: Dupuy, 1.

Cave exploration in the Ozark region of central Missouri: Fowke, 1.

DUNKLIN COUNTY.

Soil survey: Sweet, 8.

FRANKLIN COUNTY.

Metatorbernite in Missouri flint fire clay: Grawe, 1.

Geography of the northern Ozark border region in Missouri: Collier, 1.

Geology of Eureka Quadrangle: Good, 1.

Filled-sink iron deposits: Dupuy, 1.

Exploration of Silver Hollow, Newbauer, and Coleman iron deposits: Kreamalmayer, 1.

Soil survey: Vanatta, 1.

Bibliography and index of literature on uranium and thorium and radioactive occurrences in the U. S.: Cooper, M., 1.

Stratigraphy and structure of northeast quarter of Richwood Quadrangle: Warfield, 1.

Structure of Bourbon-Sullivan area: Searight, T. K., 2.

Earthquake of March 27, 1945, on the Moselle fault: Frank, 1.

Machines help tame Big Muddy: Day, 1.

Acid rescues a city well: Grohskopf, 8.

Amethyst in a Missouri sinkhole: Boente, Mrs. T., 1.

History of the old mines in Meramec State Park: Draper, 1.

GASCONADE COUNTY.

Some U. S. boehmite, localities: Allen, V. T., 1.

Resistivity measurements over flint clay deposits: Algermissen, 1.

Geography of the northern Ozark border region in Missouri: Collier, 1.

Bibliography and index of literature on uranium and thorium and radioactive occurrences in the U. S.: Cooper, M., 1.

History of the firebrick and refractories industry in Missouri: Roberts, C. N., 1.

GREENE COUNTY.

Geology of a portion of Halltown Quadrangle: Clark, E. L., 1.

Missouri marble: Hinchey, 1.

Soil survey: Krusekopf, 5.

Bibliography and index of literature on uranium and thorium and radioactive occurrences in the U. S.: Cooper, M., 1.

On the radioactivity of some natural waters of Missouri: Moore, R. B., 1.

- Notes on Weller's fossil faunas at
Springfield: Clark, E. L., 10.
Twinned pseudomorphs after pyrite
from King's Butte: Ellis, M. W.,
1.

GRUNDY COUNTY.

- Soil survey: Sweet, 9.

HARRISON COUNTY.

- Soil survey: Vanatta, 4.

HENRY COUNTY.

- Analyses of tippie and delivered
samples of coal—for 1951, 1952:
Aresco, 1, 2.
Strip-mined lands of western In-
terior Coal province: Rogers,
N. F., 1.

HICKORY COUNTY.

- Barite deposits of central Missouri:
Mather, 2.
Geological investigation of an area
in Hickory and Polk Counties:
Weathers, 1.
Geology of Weaubleau Creek area:
Beveridge, 3.
Geology of a portion of Hermitage
Quadrangle: Schroeder, 1.
Geology of Humansville Quadran-
gle: Searight, T. K., 1.
Geology of Pomme De Terre Reser-
voir area: Turner, 1.

HOLT COUNTY.

- Soil survey: Shrader, 1.
Stratigraphy of Oregon Quad-
rangle: Planalp, 1.

HOWARD COUNTY.

- Geology of northeast part of Glas-
gow Quadrangle: Dwight, 1.
Geology of southwestern Howard
County: Marvin, 1.
Bibliography and index of litera-
ture on uranium and thorium and
radioactive occurrences in the
U. S.: Cooper, M., 1.
On the radioactivity of some nat-
ural waters of Missouri: Moore,
R. B., 1.

HOWELL COUNTY.

- Soil survey: Fippin, 1.
Rex zinc mine: Ballinger, 7.

IRON COUNTY.

- Occurrence of barite at Pilot Knob:
Frank, 2.
Geology of northwest portion of Des
Arc Quadrangle: Herbst, 1.
A study of the effect of jointing on
the blasting of granite, Granite-
ville: Drake, A. A., 1.
Reduction of phosphorous content in
iron ore and concentrate from
Iron Mountain: Kenworthy, 1.
Comparison of weathering and
soil formation of acid and basic
igneous rocks of the Ozarks of
Missouri: Humbert, 1.
Tom Sauk limestone member of the
Bonneterre formation: Bright-
man, 1, 2.
Paleozoic formations of the Iron-
ton Quadrangle: Goebel, 1.
Relationship of quartz orientation
to fluid flow structure found in
acid extrusive rocks of the Royal
Gorge felsite: Haughey, 1.
Piedmontite from Missouri: Keller,
10.

JACKSON COUNTY.

- Missouri Portland cement builds
new dry-process plant: Thibault,
1.
A study of methods for the re-
moval of iron compounds from
bauxites, clays, and related ma-
terials: Kasten, 1.
Clay and other non-carbonate min-
erals in some limestones: Rob-
bins, 1.
Geology of Lees Summit and Grand-
view Quadrangles: Boyd, 1.
Geology of Oak Grove Quadrangle:
Howe, 1.
Geology of Woods Chapel Quadran-
gle: Powers, R. B., 1.
Soil survey: Sweet, 2.
Bibliography and index of litera-
ture on uranium and thorium and
radioactive occurrences in the
U. S.: Cooper, M., 1.
Water resources of the Kansas City
area: Fishel, 1.

On the radioactivity of some natural waters of Missouri: Moore, R. B., 1.

Upper Marmaton strata in western and northern Missouri: Howe, 2.

A nautiloid cephalopod fauna from the Winterset limestone: Miller, A. K., 4.

JASPER COUNTY.

Tri-State operations of the St. Joseph Lead Co.: Blake, R., 1.

Ore dressing investigation of oxidized lead ores from Missouri and Illinois: Fine, 2.

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Primitive *Fusulinella* from southern Missouri: Thompson, 1.

Direction of flow of mineralizing solutions: Newhouse, 1.

Minor elements in some rocks, ores, and mill and smelter products: Kaiser, E. P., 2.

Sucker Flats: Grace, 1.

Interpretation of resistivity data over filled sinks: Cook, K. L., 1.

A new method of open pitting: Anonymous, 8.

Construction crane gives open-pit

mine new efficiency: Anonymous, 11.

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Geography of the northern Ozark border region in Missouri: Collier, 1.

Geology of House Springs area: Doman, 1.

Geology of Sand Ridge area: Faber, 1.

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Limestones and dolomites in the St. Louis area: Hinchey, 2.

The Herculeaneum smelter: Isbell, 1.

Spergen formation in St. Louis and Jefferson Counties: Geddes, 1.

Zones of Platin-Joachim of eastern Missouri: Grohskopf, 4.

Ordovician diastems in Missouri: Larson, E. R., 1.

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Muscle scars in the Ordovician trilobite *Iliaenus*: Sinclair, 1.

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Velocity of elastic waves in some Paleozoic formations in the vicinity of St. Louis: Kisslinger, 1, 2.

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Geology of southern part of Knobnoster Quadrangle: Kos, 1.

Soil survey: Tillman, 2.

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KNOX COUNTY.

Soil survey: Krusekopf, 9.

LACLEDE COUNTY.

- Geology of Lebanon Quadrangle:
Searight, T. K., 3.
Soil survey: Long, 1.

LAFAYETTE COUNTY.

- Soil survey: DeYoung, 1.

LAWRENCE COUNTY.

- Soil survey: Sweet, 16.
Churn drilling at the Capitol and
Greenland zinc mines: Brichta,
3.
Investigation of the Kline and Frey
zinc tracts, Wentworth mining
district: Brichta, 5.
Biogeochemical investigations in the
Tri-State district: Harbaugh, 1.
Some properties of endellite from
Lawrence County: Zeidner, 1.

LINCOLN COUNTY.

- Geology of southwest quarter of Els-
berry Quadrangle: Gross, 1.
Geology of southeast quarter of
Elsberry Quadrangle: Ringena,
1.
Geology of north half of Elsberry
Quadrangle: Ross, 1.
Limestones and dolomites in the St.
Louis area: Hinchey, 2.
Soil survey: Sweet, 12.
Pennsylvanian rocks of eastern In-
terior basin: Wanless, 2.

LIVINGSTON COUNTY.

- Coal in northeastern Carroll Coun-
ty and southeastern Livingston
County: Howe, 3.

MACON COUNTY.

- Analyses of tippie and delivered
samples of coal—for 1951: Ares-
co, 1.
A petrographic study of the Bevier
coal seam: Clarke, P. J., 1.
Soil survey: Krusekopf, 2.

MADISON COUNTY.

- Cobalt at Fredericktown: Lutjen,
1.
Concentration of complex copper-
lead-cobalt-nickel ores of south-
east Missouri: Fine, 3.

Geologic relationships of the ore
deposits in the Fredericktown
area: James, 2.

Geology of northern half of Mar-
quand Quadrangle: Breitenwis-
cher, 1.

Geology of western third of Cold-
water Quadrangle: Crow, 1.

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water Quadrangle: Curtis, 1.

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Hayes, W. C., Jr., 1.

Geology of Einstein-Apex tungsten
mine area: Pomerene, 1.

Laboratory recovery of an oxidized
lead mineral from a southeast
Missouri deposit: Fine, 4.

Geophysical case history, Frederick-
town lead district: Powers, 1.

Application of geophysical methods
in the Fredericktown lead dis-
trict: Scharon, 1.

Comparison of weathering and
soil formation of acid and basic
igneous rocks of the Ozarks of
Missouri: Humbert, 1.

Park City Consolidated mine: Gei-
ger, 1.

Tom Sauk limestone member of the
Bonnetterre formation: Bright-
man, 1, 2.

Paleozoic formations of the Iron-
ton Quadrangle: Goebel, 1.

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sandstone: Summerson, 1.

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Kidwell, 1.

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ing district: Kidwell, 4.

Chemical ore reduction process may
pay out in three years: Anony-
mous, 6.

An investigation of the basic rocks
in the Fredericktown Quadrangle:
Jenke, 1.

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area: Murrill, 1.

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Geography of the northern Ozark
border region in Missouri: Col-
lier, 1.

Cave explorations of the Ozark region of central Missouri: Fowke, 1.

MARION COUNTY.

New rock loader slashes costs of mining limestone in low headings: Avery, 2.

Soil survey: Britton, 1.

MILLER COUNTY.

Barite deposits of central Missouri: Mather, 2.

Barite mining in Missouri: Muilenburg, 5.

Geography of the northern Ozark border region in Missouri: Collier, 1.

Soil survey: Lewis, 1.

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MISSISSIPPI COUNTY.

Soil survey: DeYoung, 3.

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Investigation of ore-dressing methods for barite ores from New Mexico, Missouri and Arkansas: Fine, 1.

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Barite mining in Missouri: Muilenburg, 5.

Geography of the northern Ozark border region in Missouri: Collier, 1.

Minor elements in some rocks, ores, and mill and smelter products: Kaiser, E. P., 2.

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Geography of the northern Ozark border region in Missouri: Collier, 1.

Geology of southeast quarter of Montgomery City Quadrangle: Smith, R R., 1.

Geology of Big Springs area: Thomasson, 1.

A *Manticoceras* from Missouri: Unklesbay, 2.

Machines help tame Big Muddy: Day, 1.

Graham Cave—an archaic site in Montgomery County: Logan, 1.

Recent excavations in Graham Cave: Chapman, 1.

History of the firebrick and refractories industry in Missouri: Roberts, C. N., 1.

MORGAN COUNTY.

Experimental treatment of barite ores: Frommer, 1.

Buckshot barite mine: Kidwell, 2.

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Subsurface geology of the Gulf Coastal Plain in southeastern Missouri: Grohskopf, 3, 9.

NEWTON COUNTY.

Soil survey: Sweet, 10.

Tripoli: Metcalf, 1.

Winchester zinc deposits: Ballinger, 2.

Investigation of the Kline and Frey zinc tracts: Brichta, 5.

Investigation of Canyon Diggings zinc-lead deposit: Brichta, 7.

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Crystalline quartz occurrence near Boulder City: Patterson, T. A., 1.

Minerals of Granby, Missouri: Patterson, T. A., 2.

NODAWAY COUNTY.

Soil survey: Vanatta, 3.

OREGON COUNTY.

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Clay mineral relationships in the Ocheskey fire clay pit: Hahn, 1.

Geography of the northern Ozark border region in Missouri: Collier, 1.

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Flotation of the oxidized ores of zinc: Bunge, 1.

Alice zinc mine: Kidwell, 3; Needham, 1.

PEMISCOT COUNTY.

Soil survey: Sweet, 2.

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Soil survey: Tillman, 1.

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Soil survey: Krusekopf, 7.

PHELPS COUNTY.

Geography of the northern Ozark border region in Missouri: Collier, 1.

Geology of north half of Meramec Spring Quadrangle: Mueller, 1.

Geology of south half of Meramec Spring Quadrangle: Yorston, 1.

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Hydrology of small drainage areas: Searcy, 1.

Cave explorations in the Ozark region of central Missouri: Fowke, 1.

PIKE COUNTY.

Geology of Nebo Quadrangle: Tutthill, 1.

Soil survey: Sweet, 5.

Pleistocene deposits at Brook Hill Farm: Bedford, 1.

Noix oolite: Trapp, 1.

PLATTE COUNTY.

Haydite production: Avery, 1.

Soil survey: Sweet, 4.

Water resources of the Kansas City area: Fishel, 1.

Pleistocene geology: Davis, S. N., 1.

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Geological investigation of an area in Hickory and Polk Counties: Weathers, 1.

Geology of Humansville Quadrangle: Searight, T. K., 1.

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Note on Fairplay iron: Perry, 1.

PULASKI COUNTY.

Effects of sand admixtures on the physical properties of soils: Kanatsiz, 1.

Cave explorations in the Ozark region of central Missouri: Fowke, 1.

PUTNAM COUNTY.

Soil survey: Mann, 1.

RALLS COUNTY.

Geology of north-central Ralls County: Levin, 1.

Geology of New London area: Williams, J. H., 1.

Soil survey: Sweet, 7.

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Analyses of tippie and delivered samples of coal—for 1951, 1952: Aresco, 1, 2.

A petrographic study of the Bevier coal seam: Clarke, P. J., 1.

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A study of the Moberly sandstone: Galegor, 1.

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KAY COUNTY.

Soil survey: Sweet, 15.

Upper Marmaton strata in western and northern Missouri: Howe, 2.

Petrology of a specimen of the Perry Farm shale: Keller, 13.

REYNOLDS COUNTY.

Geology of northeast portion of Les-terville Quadrangle: Marcher, 1.

Ellington manganese deposits: Johnson, A. C., 1.

Soil survey: Krusekopf, 10.

Tom Sauk limestone member of the Bonnetterre formation: Brightman, 1, 2.

RIPLEY COUNTY.

Southeast Missouri secondary limonite deposits: Ballinger, 4.

Soil survey: Hutton, F. Z., 1.

ST. CHARLES COUNTY.

Geography of the northern Ozark border region in Missouri: Collier, 1.

Geology of a portion of Augusta Quadrangle: Schindler, 1.

Pennsylvanian rocks of eastern Interior basin: Wanless, 2.

Loess formations of the Mississippi Valley: Leighton, 6.

Post-Loveland pre-Iowan loess in western Iowa: Mickelson, 2.

ST. CLAIR COUNTY.

Analyses of tippie and delivered samples of coal—for 1951, 1952: Aresco, 1, 2.

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Stratigraphy and structure of Eldorado Springs North Quadrangle: Barker, 1.

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Stratigraphy and structure of Roscoe Quadrangle: Stenberg, 1.

Thrust faulting in southwestern Missouri: Beveridge, 2.

ST. FRANCOIS COUNTY.

Clay and other non-carbonate minerals in some limestones: Robbins, 1.

Geology of the Hayden Creek lead mine: Ohle, 1.

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Magnetic fields associated with igneous pipes in the central Ozarks: Holmes, C. R., 1.

Salite and actinolite at Iron Mountain: Allen, V. T., 3.

Trackless equipment facilitates change from open pit to underground: Skinners, 1.

Milling practices in southeast Missouri: Stahl, 1.

STE. GENEVIEVE COUNTY.

Carnotite and radioactive shale in Missouri: Muilenburg, 3.

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Earthquakes in the Ste. Genevieve fault zone: Heinrich, 5.

Magnetic fields associated with igneous pipes in the central Ozarks: Holmes, C. R., 1.

Geophysical interpretation of an airborne field intensity survey: Ford, 1.

A geophysical investigation of the Cornwall copper mines: McFarland, 1.

Geochemical study of a drill core: Wesley, 1.

ST. LOUIS, CITY AND COUNTY.

Missouri Portland Cement Co.'s new wet process plant: Wagner, L. A., 1.

Properties of the Cheltenham clay as a cause of building cracking: Frank, 4.

Geology of ground water in St. Louis City and County: Grohskopf, 6.

Geology of Kirkwood Quadrangle: Baldwin, 1.

Geology of Eureka Quadrangle: Good, 1.

Geology of parts of Creve Coeur and Chesterfield Quadrangles: Veesaert, 1.

Structural geology of parts of St. Louis and St. Louis County: Stringfield, 1.

Limestones and dolomites in the St. Louis area: Hinchey, 2.

Northeast Missouri's oil possibilities improve: McCracken, 3.

Soil survey: Krusekopf, 12.

Mineralogy and physical properties of soils in the foundation of the Chemistry Building at Washington University: Nasmith, 1.

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The Mississippi Valley earthquake of June 30, 1947: Heinrich, 4.

Earthquake magnitude evaluation at Florissant: Burrows, 1.

Velocity of elastic waves in some Paleozoic formations in the vicinity of St. Louis: Kisslinger, 1, 2.

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A bedrock topography survey by the electrical resistivity method: Gabriel, 1.

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Geology of northeast part of Saline County: Ellis, B. E., 1.

Soil survey: Carr, 1.

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SCOTLAND COUNTY.

Soil survey: Hearn, 2.

SCOTT COUNTY.

Owl Creek (upper Cretaceous) fossils from Crowleys Ridge: Stephenson, 2.

SHANNON COUNTY.

Cave explorations in the Ozark region of central Missouri: Fowke, 1.

A Missouri ebb and flow spring: Keller, 6.

SHELBY COUNTY.

Soil survey: Burke, 1.

STODDARD COUNTY.

Soil survey: Sweet, 6.

Paleocene Radiolaria: Frizzell, 1; Middow, 1.

Owl Creek (upper Cretaceous) fossils from Crowleys Ridge: Stephenson, 2.

STONE COUNTY.

Geology of a portion of Shell Knob Quadrangle: Raney, 1.

TEXAS COUNTY.

Blue barite: Kidwell, 5.

Filled-sink iron deposit: Dupuy, 1.

Soil survey: Watkins, 1.

Cave explorations in the Ozark region of central Missouri: Fowke, 1.

VERNON COUNTY.

Analyses of tipple and delivered samples of coal—for 1951, 1952: Aresco, 1. 2.

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Fusulinid Foraminifera in the Cherokee group: Orlansky, 1.

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Geography of the northern Ozark border region in Missouri: Collier, 1.

Geology of northwestern Warren County: Goodrich, 1.

Geology of Big Springs area: Thomasson, 1.

Machines help tame Big Muddy: Day, 1.

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Geology of Berryman area: James, 1.

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Geology of southeast portion of Richwoods Quadrangle: Pickford, 1.

Geology of Tiff and Vineland Quadrangles: Parizek, 1.

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Krueger zinc deposit: Ballinger, 5.

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Paleozoic formations of the Iron-ton Quadrangle: Goebel, 1.

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Stratigraphy and structure of northeast quarter of Richwoods Quadrangle: Warfield, 1.

Structure of Bourbon-Sullivan area: Searight, T. K., 2.

Gravity surveys for residual barite deposits in Missouri: Uhley, 1.

A highly mechanized shaft sinking operation: Bain, 2.

How to sink a shaft safely and efficiently: Lutjen, 2.

WAYNE COUNTY.

Geology of western third of Coldwater Quadrangle: Crow, 1.

Southeast Missouri secondary limonite deposits: Ballinger, 4.

WEBSTER COUNTY.

Detailed survey of the chemical composition of rock layers in an agricultural limestone quarry: Keller, 12.

Soil survey: Drake, J. A., 1.

Stratigraphy and structure of southeast quarter of Stafford Quadrangle: Pulliam, 1.

ECONOMIC GEOLOGY, MINING AND METALLURGY

ASPHALTUM.

Geology of the Breckenridge area of Missouri with particular reference to oil and gas possibilities: Studt, 1.

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Exploration for barite deposits in Cole County: Brune, 1.

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Most non-metallic industries set all-

time production record: Anonymous, 10.

BAUXITE.

Bauxite *versus* diaspore clay in high alumina (70%) refractory brick: Sedalia, 1.

CADMIUM.

Separation of lead, cadmium, and germanium sulfides from zinc sulfide concentrates: Kenworthy, 2.

CEMENT.

Mineral industry of Missouri, 1946 and 1947: Bishop, 1.

Mineral industry of Missouri in 1948: Bishop, 2.

Mineral industry of Missouri in 1949: Bishop, 3.

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Clay mineralogy of two typical Missouri fire clays: Burst, 1.

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Use of wetting agents in clay bodies: Sewell, 1.

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Pyrochemical changes in Missouri halloysite: Zvanut, 1.

CHALK.

Occurrence, properties, and preparation of limestone and chalk for whitening: Wilson, 1.

CLAY

Diaspore

Mineral industry of Missouri, 1946 and 1947: Bishop, 1.

✓ Origin of Missouri fire clays: Keller, 18.

Rapid determination of alumina in diaspore clays: Kerper, 1.

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Fire

Mineral industry of Missouri, 1946 and 1947: Bishop, 1.

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Geology of the Steelville Quadrangle: Hendriks, 3.

✓ Evidence of texture on the origin of the Cheltenham fire clay of Missouri and associated shales: Keller, 3.

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Flint

Resistivity measurements over flint clay deposits: Algermissen, 1.

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General

Mineral industry of Missouri in 1948: Bishop, 2.

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Metallurgical investigations of southeastern Missouri cobalt-nickel resources: Kenworthy, 3.

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Chemical ore reduction process may pay out in three years: Anonymous, 6.

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 Haulage system in St. Joseph Lead Co. mines of southeast Missouri: Jones, 2.
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 How to sink a shaft safely and efficiently: Lutjen, 2.
 St. Joe lead enterprise: Parsons, 1.
 Strip-mined lands of the western Interior Coal province: Rogers, N. F., 1.
 Trackless equipment facilitates change from open pit to underground: Skinners, 1.
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Anonymous, 7.

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distribution in limestone and dolomite: Ohle, 2.

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in the Picher Field, Oklahoma-Kansas: Stoiber, 2.

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Potash agstone as possible aids to soil improvement: Keller, 17.

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Haydite production: Avery, 1.

The bloating of Missouri's shales: Kurtz, 1.

Ceramic properties of some Missouri clays and shales: Larson, L. N., 1.

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SILVER.

Silver, copper, lead, and zinc in the central states: Martin, 2, 3, 4, 5, 6.

Missouri, Oklahoma, Kansas, and Arkansas—silver, copper, lead, and zinc: Netzeband, 1, 2.

STONE.

Mineral industry of Missouri, 1946 and 1947: Bishop, 1.

Mineral industry of Missouri in 1948: Bishop, 2.

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ZINC.

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St. Joseph Lead's Indian Creek development: Bain, 1.

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- Mineral industry of Missouri, 1946 and 1947: Bishop, 1.
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- A graphic statistical history of the Joplin or Tri-State lead-zinc district: Brown, J. S., 3.
- Flotation of the oxidized ores of zinc: Bunge, 1.
- The Tri-State zinc-lead mining region: Cassidy, 1.
- Silver, copper, lead, and zinc in the central states: Dunlop, 1, 2.
- Comparative analysis of some recent mining practices in the Tri-State mining district: Forrester, 1.
- An analysis of manpower efficiency in drilling procedures in the Tri-State mining district: Forrester, 2.
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- A comparative analysis of some re-

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- A new method of open pitting: Anonymous, 8.
- Construction crane gives open-pit mine new efficiency: Anonymous, 11.

GEOCHEMISTRY

- Uranium in the clay of a black radioactive shale: Brown, J. H., Jr., 2.
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- Geochemical study of a drill core: Wesley, 1.

GEOPHYSICS

SEISMOLOGY.

- A study of three to nine second period microseisms recorded at St. Louis: Bingham, 1.
- Earthquake magnitude evaluation at Florissant: Burrows, 1.
- The earthquake of March 27, 1945, on the Moselle fault: Frank, 1.
- A contribution to the seismic history of Missouri: Heinrich, 1.
- Northeastern Ozark earthquakes: Heinrich, 2.
- Three Ozark earthquakes: Heinrich, 3.
- The Mississippi Valley earthquake of June 30, 1947: Heinrich, 4.

Earthquakes in the Ste. Genevieve fault zone: Heinrich, 5.

Two microseismic storms: Heinrich, 6.

✓ The velocity of elastic waves in some Paleozoic formations in the vicinity of St. Louis: Kisslinger, 1.

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A seismic investigation of subsurface geology in the Missouri River floodplain near St. Charles: Oriard, 1.

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Earthquake waves, velocities and travel times, and crustal structure south of Saint Louis: Walter, 1.

GEOPHYSICS, GENERAL.

- ✓ Resistivity measurements over flint clay deposits: Algermissen, 1.
- A detailed gravimetric survey of an area immediately south and east of St. Charles: Chandiok, 1.
- Interpretation of resistivity data over filled sinks: Cook, K. L., 1.
- Radioactivity and mineralization in rhyolite porphyry: Damon, 2.
- Geology of House Springs area: Doman, 1.
- Geology of the Sand Ridge area: Faber, 1.
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- "Cryptovolcanic" force fields: Fox, 3.

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- Electrical resistivity investigations of levee foundations near Kansas City: Happ, 1.
- Magnetic fields associated with igneous pipes in the central Ozarks: Holmes, C. R., 1.
- Geophysical investigations of near-surface geologic structure in the neighborhood of St. Charles: Kailasam, 1.
- Discussion of (Geophysical case history, Fredericktown lead district): Kelly, 1.
- Velocity of longitudinal waves in some Paleozoic formations in the vicinity of St. Louis: Kisslinger, 2.
- A gravity survey in parts of St. Louis and Jefferson Counties: Laroche, 1.
- The variability of vibrations from quarry blasts: Macelwane, 1.
- A geophysical investigation of the Cornwall copper mines: McFarland, 1.
- Exploration of the Bourbon magnetic anomaly Crawford County: McMillan, W. D., 1.
- Geophysical case history, Fredericktown lead district: Powers, 1.
- Magnetic surveying in progress in Missouri iron ore areas: Richards, 1.
- A detailed magnetometer survey of the Missouri floodplain region immediately southeast of St. Charles: Schaffer, G. J., 1.
- Application of geophysical methods in the Fredericktown lead district, Madison County: Scharon, 1.
- Correlation of geology and geophysical data in the search of Mississippi lead deposits: Scharon, 2.
- A detailed resistivity survey with reference to the cause of the magnetic anomaly immediately southeast of St. Charles: Schwendinger, 1.

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- Gravity survey for residual barite deposits in Missouri: Uhley, 1.
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HYDROLOGY

- Runoff and soil moisture: Clark, J. W., Jr., 1.
- Machines help tame Big Muddy: Day, 1.
- Pleistocene deposits of the Alton-Bellefontaine area: Fink, 1.
- Water resources of the Kansas City area: Fishel, 1.
- Flood control with retarding basin type reservoirs in Meramec basin: Ozbilen, 1.
- The precipitation-runoff relationship on the Grand River basin of Missouri and Iowa: Roberts, J. K., 1.
- Hydrology of small drainage areas: Searcy, 1.
- Water resources of the St. Louis area: Searcy, 2.
- Floods in Missouri, magnitude and frequency: Searcy, 3.
- Floods of May, 1943, in Missouri: Short, J. A., 1.
- Monthly and annual discharge of Missouri River between Fort Benton, Montana, and Herman, Missouri, and principal tributaries: Stevens, 1.
- Kansas-Missouri floods of July, 1951: Water Resources Division, 1.

MINERALOGY

ACTINOLITE.

- Salite and actinolite at Iron Mountain: Allen, V. T., 3.

ADULARIA.

- Geologic problems in the southeast Missouri lead district: Ohle, 4.

AGATES.

Agates from glacial source: Grimstead, 1.

ALLANITE.

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AMETHYST.

Amethyst in a Missouri sinkhole: Boente, Mrs. T., 1.

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Notes on uranium: Muilenburg, 2.

BARITE.

Occurrence of barite at Pilot Knob: Frank, 2.

Buckshot barite mine of central Missouri: Kidwell, 2.

Blue barite from Texas County: Kidwell, 5.

Barite deposits of central Missouri: Mather, 2.

BAUXITE.

Petrographic relations in some typical bauxite and diaspore deposits: Allen, V. T., 4.

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Some U. S. boehmite localities: Allen, V. T., 1.

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A recent formation of calcite in an abandoned mine: Kidwell, 7.

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Petrographic relations in some typical bauxite and diaspore deposits: Allen, V. T., 4.

Clay mineralogy of two typical Missouri fire clays: Burst, 1.

A study of Missouri flint clay: Hyatt, 1.

Clays of Missouri: Keller, 1.

Differential thermal analyses of some Missouri fire clays: Keller, 7.

Observations on the origin of Missouri high-alumina clays: Keller, 14.

Illite and montmorillonite in green sedimentary rocks: Keller, 16.

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Mineral composition in relation to particle size for a Missouri plastic fire clay: May, 1.

Clay and other non-carbonate minerals in some limestones: Robbins, 1.

Mineralogy of the Perry Farm shale: Ting, 1.

Mineralogy of the Grassy Creek and Saverton formations: Van Duym, 1.

DIASPORE.

Petrographic relations in some typical bauxite and diaspore deposits: Allen, V. T., 4.

DOLOMITE.

Salite and actinolite at Iron Mountain: Allen, V. T., 3.

Alice zinc mine of southern Missouri: Kidwell, 3.

Aspects of structure and mineralization used as guides in the development of the Picher field: Lyden, 1.

ENDELLITE.

Some properties of endellite from Lawrence County: Zeidner, 1.

FLUORITE.

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 Bibliography and index of literature on uranium and thorium and radioactive occurrences in the U. S.: Cooper, M., 1.
 Occurrence and association of millerite and fluorite in limestone quarries of the St. Louis area: Schraut, 1.

GALENA.

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 Aspects of structure and mineralization used as guides in the development of the Picher Field: Lyden, 1.
 Barite deposits of central Missouri: Mather, 2.
 Direction of flow of mineralizing solution: Newhouse, 1.
 Geology of the Hayden Creek lead mine, southeast Missouri: Ohle, 1.
 Precision lattice measurements of galena: Wasserstein, 1.

GLAUCONITE.

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GOETHITE.

- Twinned pseudomorphs after pyrite from King's butte, Greene County: Ellis, M. W., 1.
 Goethite in a "Keokuk" geode: Hurlbut, 1.

GREENOCKITE.

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GUMMITE.

- Notes on uranium: Muilenburg, 2.

HALLOYSITE.

- Pyrochemical changes in Missouri halloysite: Zvanut, 1.

ILLITE.

- Illite and montmorillonite in green sedimentary rocks: Keller, 16.
 Clay and other non-carbonate minerals in some limestones: Robbins, 1.

JASPEROID.

- Paragenesis of the Tri-State jasperoid: Bastin, 1.
 Studies on the origin of Missouri cherts and zinc ores: Cox, 1.
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KAOLINITE.

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LIMONITE.

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MARCASITE.

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METATORBERNITE.

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 Metatorbernite in Missouri flint fire clay: Grawe, 1.
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METEORITES.

- Note on the Fairplay, Missouri, iron: Perry, 1.

MILLERITE.

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 The occurrence and association of millerite and fluorite in limestone quarries of the St. Louis area: Schraut, 1.

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- Mineralogical and bacterial content of some Paleozoic shales of Missouri: Allen, V. T., 2.
 Mineralogy of a radioactive shale from near Ste. Genevieve: Brown, J. H., Jr., 1.
 Radioactivity and mineralization in rhyolite porphyry: Damon, 2.
 Loess and Quaternary geology of the lower Mississippi Valley: Fisk, 3.

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- Minerals of Missouri: Keller, 4.
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- Minerals of the Fredericktown mining district: Kidwell, 4.
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- The mineral deposits of Morgan County: Mather, 1.
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- Minerals of Granby, Missouri: Patterson, T. A., 2.
- The Missouri Ozarks: Patterson, T. A., 3.
- Petrology and origin of the Lafayette gravel: Potter, 1.
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- Illite and montmorillonite in green sedimentary rocks: Keller, 16.
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- PIEDMONTITE.**
- Piedmontite from Missouri: Keller, 10.

PITCHBLEND.

Notes on uranium: Muilenburg, 2.

PSILOMELANE.

Ellington manganese deposits, Reynolds County: Johnson, A. C., 1.

PYRITES.

- Review of (Pyrites deposits of Missouri): Brown, J. S., 1.
- Twinned pseudomorphs after pyrite from King's Butte, Greene County: Ellis, M. W., 1.
- Review of (Pyrites deposits of Missouri): Herbert, 1.
- Alice zinc mine of southern Missouri: Kidwell, 3.
- Barite deposits of central Missouri: Mather, 2.

QUARTZ.

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- Crystalline quartz occurrence near Boulder City: Patterson, T. A., 1.
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RADIOACTIVE MINERALS.

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- Radioactivity of the pre-Cambrian section of the Bourbon, Missouri, well core by measurement of the total hard gamma radiation: Damon, 1.
- Notes on uranium: Muilenburg, 2.
- Carnotite and radioactive shale in Missouri: Muilenburg, 3.

SALITE.

Salite and actinolite at Iron Mountain: Allen, V. T., 3.

SMITHSONITE.

Alice zinc mine of southern Missouri: Kidwell, 3.

SOIL MINERALOGY.

The mineralogy and physical properties of soils in the foundation of the Chemistry Building at Washington University: Nashmith, 1.

SPHALERITE

Paragenesis of the Tri-State jasperoid: Bastin, 1.

Studies on the origin of Missouri cherts and zinc ores: Cox, 1.

Alice zinc mine of southern Missouri: Kidwell, 3.

Aspects of structure and mineralization used as guides in the development of the Picher Field: Lyden, 1.

Barite deposits of central Missouri: Mather, 2.

Minor elements in sphalerite: Stoiber, 1.

TORBERNITE

Torbernite in Missouri fire clay: Keller, 15.

Notes on uranium: Muilenburg, 2.

TYUYAMUNITE.

Notes on uranium: Muilenburg, 2.

URANINITE.

Notes on uranium: Muilenburg, 2.

PALEONTOLOGY

ALGAE.

Mississippian algal limestones from the vicinity of St. Louis: Johnson, J. H., 1.

Geologic problems in the southeast Missouri lead district: Ohle, 4, 5.

ANNELIDA.

Owl Creek (upper Cretaceous) fossils from Crowleys Ridge, southeastern Missouri: Stephenson, 2.

ANTHOZOA.

Cyathaxonia from the Fern Glen formation: Conkin, J., 1.

Mississippian cuneate corals: Easton, 1.

Corals from the Redwall limestone (Mississippian) of Arizona: Easton, 2.

Commensalism of a new Ordovician tetracoral with a bryozoan?: Fischer, 1.

BRACHIOPODA.

New species of brachiopods from the Devonian of Illinois and Missouri: Cooper, G. A., 1.

The *Rensselandia* beds (middle Devonian) of central Missouri: Fraunfelter, 1.

Stratigraphy and paleontology of the Roubidoux formation of Missouri: Heller, 1.

An unusual specimen of the genus *Athyris*: Unklesbay, 1.

The variations in the *Stropheodontas* of the Snyder Creek shale: Williams, J. S., 1.

BRYOZOA.

Late Mississippian Bryozoa from Missouri: Chakravorty, 1.

Commensalism of a new Ordovician tetracoral with a bryozoan?: Fischer, 1.

Fenestrate Bryozoa in the Chouteau limestone of central Missouri: Koenig, 1.

Brownsport and related Bryozoa: Loeblich, 1.

CEPHALOPODA.

Lower Mississippian ammonoids of Missouri: Collinson, 1.

Stratigraphy and paleontology of the Roubidoux formation of Missouri: Heller, 1.

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A goniatite from the Mississippian Boone formation of Missouri: Miller, A. K., 2.

A nautiloid cephalopod fauna from the Pennsylvanian Winterset limestone of Jackson County: Miller, A. K., 4.

Some Mississippian cephalopods from central and western U. S.: Miller, A. K., 5.

Lower Mississippian ammonoids of Missouri: Miller, A. K., 6.

Two cephalopods from near the Kinderhook-Osage boundary in Missouri: Miller, A. K., 7.

Owl Creek (upper Cretaceous) fossils from Crowleys Ridge, southeastern Missouri: Stephenson, 2.

A *Manticoceras* from Missouri: Unklesbay, 2.

Distribution of American Pennsylvanian cephalopods: Unklesbay, 4.

Nautiloids from the Tanyard formation of central Texas: Unklesbay, 5.

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Geological and geographical distribution of conodonts in the Mississippi Valley: Branson, E. B., 1.

Fortune formation: Clark, E. L., 2.

Catalogue of conodonts: Fay, 1.

Conodonts from the Fernvale of eastern Missouri: Hardy, 1.

Conodonts from the Fern Glen of Missouri: Mehl, 1.

Lower Ordovician fish remains from Missouri: Miller, A. K., 3.

Devonian-Mississippian boundary formations: Niewoehner, 1.

Some Devonian and Mississippian conodonts from northern Arkansas: Woods, 1.

The conodont fauna from the Ordovician Dutchtown formation of Missouri: Youngquist, 1.

CRINOIDEA.

New genera of Mississippian camerate crinoids: Bowsher, 1.

A study of Kinderhookian and Osagean microcrinoids: Connelly, 1.

Redefinition of *Actinocrinus parvus* Shumard: Kirk, 1.

Octocrinus Peck and *Tyttocrinus* Weller, Synonyms of *Amphipsalidocrinus* Weller: Peck, 1.

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Lithofacies map of lower Silurian deposits in central and eastern U. S. and Canada: Amsden, 1.

Notes on Weller's fossil faunas at Springfield: Clark, E. L., 10.

A stratigraphic study of the upper Marmaton and lowermost Pleasanton groups, Pennsylvanian, of Missouri: Cline, 2.

Pleistocene deposits of the Alton-Bellefontaine area: Fink, 1.

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FISH REMAINS.

Lower Ordovician fish remains from Missouri: Miller, A. K., 3.

FORAMINIFERA.

Arenaceous Foraminifera found weathered free from the Silurian of Missouri: Dunn, P. H., 1.

A stratigraphic study of fusulinid Foraminifera in the Cherokee group, Pennsylvanian, of western Missouri and Kansas: Orlansky, 1.

Primitive *Fusulinella* from southern Missouri: Thompson, 1.

FOSSILS, GENERAL.

Kinderhook micropaleontology: Cooper, C. L., 1.

Cambrian tracks in the Lamotte sandstone: Summerson, 1.

Common fossils of Missouri: Unklesbay, 7.

GASTROPODA.

Fossils of the Missouri loess from collections in Iowa: Cameron, 1.

Stratigraphy and paleontology of the Roubidoux formation of Missouri: Heller, 1.

Owl Creek (upper Cretaceous) fossils from Crowleys Ridge, southeastern Missouri: Stephenson, 2.

MAN, PREHISTORIC.

The Table Rock basin in Barry County: Adams, L. M., 1.

Recent excavations in Graham Cave: Chapman, 1.

Pleistocene geology of Platte County: Davis, S. N., 1.

Bluff-dwellers of the Ozarks: Gilmore, 1.

The Ozark bluff-dwellers: Harrington, 1.

Graham Cave—an archaic site in Montgomery County: Logan, 1.

MOLLUSCA.

Stratigraphy and paleontology of the Roubidoux formation of Missouri: Heller, 1.

Owl Creek (upper Cretaceous) fossils from Crowleys Ridge, southeastern Missouri: Stephenson, 2.

OSTRACODA.

Ostracodes from the type section of the Fern Glen formation: Benson, 1.

Some Ostracoda from the Spergen (Salem) limestone (Mississippian) of Missouri: Brayer, 1.

Salem Ostracoda of Missouri: Brayer, 2.

Ostracodes from the upper Pennsylvanian of Missouri: Cordell, 1.

Ostracodes of the Fern Glen formation of eastern Missouri: Gouty, 1.

Ostracodes from the Maquoketa shale of Missouri: Keenan, 1.

PALEOBOTANY.

Mississippian flora: Arnold, 1.

Ogallala and post-Ogallala sediments: Elias, 1.

Pleistocene deposits of the Alton-Bellefontaine area: Fink, 1.

Sulfide replacements of a *Trigonocarpus* fossil fern fruit: Keller, 8.

Small spores from the Summit coal of Boone County: Reinertsen, 1.

Spore assemblages of coal near the Cherokee-Marmaton boundary in Missouri: Schemel, 1.

PALEONTOLOGY, GENERAL.

Geology of the Weaubleau Creek area: Beveridge, 3.

Geology: Branson, E. B., 3.

Fossils of the Missouri loess from collections in Iowa: Cameron, 1.

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Jonesboro Quadrangles, southeastern Missouri: Gealy, 1.

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Osage-Meramec contact: Laudon, 1.

Paleontological features of Mississippian rocks in North America and Europe: Moore, R. C., 3.

Recent studies of the Plattin formation in Missouri: Peery, 1.

Geology of the Humansville Quadrangle: Searight, T. K., 1.

Bones in the brewery: Simpson, 1.

A fossil deposit in a cave in St. Louis: Simpson, 2.

Lower Pierson fauna of west-central Missouri: Spreng, 1.

Geology of Boone County: Unklesbay, 3.

Geology of the Fulton Quadrangle: Unklesbay, 6.

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The paleontology of the Chester series of southwestern Missouri: Wright, L. M., 1.

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Owl Creek (upper Cretaceous) fossils from Crowleys Ridge, southeastern Missouri: Stephenson, 2.

PORIFERA.

Owl Creek (upper Cretaceous) fossils from Crowleys Ridge, southeastern Missouri: Stephenson, 2.

RADIOLARIA.

Paleocene Radiolaria from southeastern Missouri: Frizzell, 1.

Radiolaria from the Porters Creek formation, Paleocene, Midway group, of Stoddard County: Mid-dour, 1.

TRILOBITA.

- New gastropods and trilobites critical in the correlation of lower Ordovician rocks: Bridge, 1.
- Stratigraphy and paleontology of the Roubidoux formation of Missouri: Heller, 1.
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- Muscle scars in the Ordovician trilobite *Iliaenus*: Sinclair, 1.
- Dolichoharpes* and the origin of the harpid fringe: Whittington, 1.
- North American Bathyruridae and Leiostegiidae: Whittington, 2.
- Late Cambrian and early Ordovician trilobites from the Marathon uplift, Texas: Wilson, J. L., 1.

PETROLOGY AND PETROGRAPHY

IGNEOUS ROCKS.

- Geology of the southwest part of the Ironton Quadrangle: Bonham, 1.
- Geology of the western third of the Coldwater Quadrangle: Crow, 1.
- Geology of the northern half of the Coldwater Quadrangle, Madison County: Curtis, 1.
- Radioactivity and mineralization in rhyolite porphyry: Damon, 2.
- Relationship of quartz orientation to fluid flow structure found in acid extrusive rocks of the Royal Gorge felsite, Missouri: Haughey, 1.
- Geology of the Ozark-Martin mine area, Madison County: Hayes, W. C., Jr., 1.
- Pre-Cambrian iron deposits of Missouri: Hayes, W. C., Jr., 2.
- Magnetic fields associated with igneous pipes in the central Ozarks: Holmes, C. R., 1.
- A comparison of the weathering and soil formation of the acid and basic igneous rocks of the Ozarks of Missouri: Humbert, 1.
- An investigation of the basic rocks

in the Fredericktown Quadrangle: Jenke, 1.

- Post-Cambrian activity in southeastern Missouri: Kidwell, 6.
- Post-Devonian igneous activity in southeastern Missouri: Kidwell, 8.
- Mesozoic igneous activity in the northern Gulf Coastal Plain: Kidwell, 9.
- ★ Exploration of the Bourbon magnetic anomaly, Crawford County: McMillan, W. D., 1.
- Geology of the Einstein-Apex tungsten mine area: Pomerene, 1.
- High-potash volcanic rocks, St. Francois Mountains: Robertson, F. S., 1.
- Evidence bearing on the consanguinity of Missouri and Oklahoma Precambrian igneous rocks: Robertson, F. S., 2.
- Igneous geology of the Bonne Terre Quadrangle: Stickel, 1.

PETROLOGY, GENERAL.

- Common rocks and minerals of Missouri: Keller, 3.
- Stone exposure test wall: Kessler, 1.
- Post-Cambrian activity in southeastern Missouri: Kidwell, 6.
- Post-Devonian igneous activity in southeastern Missouri: Kidwell, 8.
- Notes on uranium: Muilenburg, 2.

SEDIMENTARY ROCKS.

- Mineralogical and bacterial content of some Paleozoic shales of Missouri: Allen, V. T., 2.
- Petrographic relations in some typical bauxite and diaspore deposits: Allen, V. T., 4.
- Paragenesis of the Tri-State Jasperoid: Bastin, 1.
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- Tom Sauk limestone of southeastern Missouri: Brightman, 1.
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- Illite and montmorillonite in green sedimentary rocks: Keller, 16.
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- Depositional environment of a part of the Fort Scott formation in central Missouri: Larsen, K. G., 1.
- Ceramic properties of some Missouri clays and shales: Larson, L. N., 1.
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Wyconda River

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Schlundt, 1.

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2.

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Soil survey of Pettis County: Krusekopf, 7.

Soil survey of Callaway County: Krusekopf, 8.

Soil survey of Knox County: Krusekopf, 9.

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Soil survey of Pike County: Sweet, 5.

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 Soil survey of Grundy County: Sweet, 9.
 Soil survey of Newton County: Sweet, 10.
 Soil survey of Barry County: Sweet, 11.
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 Soil survey of Cole County: Sweet, 13.
 Soil survey of Andrew County: Sweet, 14.
 Soil survey of Ray County: Sweet, 15.
 Soil survey of Lawrence County: Sweet, 16.
 Soil survey of Perry County: Tillman, 1.
 Soil survey of Johnson County: Tillman, 2.
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 Soil survey of Franklin County: Vanatta, 1.
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Observations on the origin of Missouri high-alumina clays: Keller, 14.

An investigation of the Graydon formation in portions of Callaway County: Murphy, 1.

GUNTER SANDSTONE.

Gunter member of the Gasconade formation in southern Missouri: Knight, 1.

JEFFERSON CITY FORMATION.

Geology of the Lebanon Quadrangle: Searight, T. K., 3.

JOACHIM FORMATION.

Subsurface relations of the Maquoketa and 'Trenton' in Illinois: DuBois, 1.

Zones of Plattin-Joachim of eastern Missouri: Grohskopf, 4.

The velocity of elastic waves in some Paleozoic formations in the vicinity of St. Louis: Kisslinger, 1.

KEOKUK LIMESTONE.

Geology of the Kirkwood Quadrangle: Baldwin, 1.

KIMMSWICK LIMESTONE.

Subsurface relations of the Maquoketa and 'Trenton' in Illinois: DuBois, 1.

The velocity of elastic waves in some Paleozoic formations in the vicinity of St. Louis: Kisslinger, 1.

KINDERHOOKIAN SERIES.

Kinderhook micropaleontology: Cooper, C. L., 1.

Subsurface stratigraphy of the Kinderhook and Osage series in southeastern Iowa: Harris, 1.

Stratigraphy of the Mississippian formations of the Osage River Valley in western Missouri: Kaiser, C. P., 1.

Stratigraphy of lower Mississippian rocks in southwestern Missouri: Kaiser, C. P., 2.

Two cephalopods from near the Kinderhook-Osage boundary in Missouri: Miller, A. K., 7.

LAFAYETTE GRAVEL.

Lafayette formation: McGee, 1.

The petrology and origin of the Lafayette gravel: Potter, 1.

LAMOTTE SANDSTONE.

Cambrian tracks in the Lamotte sandstone: Summerson, 1.

LENAPAH LIMESTONE.

Petrology of a specimen of the Perry Farm shale: Keller, 13.

LOUISIANA LIMESTONE.

A study of Kinderhookian and Osagean microcrinoids: Connolly, 1.

MAQUOKETA SHALE.

Subsurface relations of the Maquoketa and 'Trenton' in Illinois: DuBois, 1.

Ostracodes from the Maquoketa shale of Missouri: Keenan, 1.

MARMATON GROUP.

Geology of the Kirkwood Quadrangle: Baldwin, 1.

Cherokee-Marmaton contact in northeastern Randolph County: Barclay, 1.

Stratigraphic study of the upper Marmaton and lowermost Pleasanton groups, Pennsylvanian, of Missouri: Cline, 2.

Upper Marmaton strata in western and northern Missouri: Howe, 2.

MERAMEC GROUP.

Geology of the Kirkwood Quadrangle: Baldwin, 1.

Osage-Meramec contact: Laudon, 1.

MISSISSIPPIAN SYSTEM.

Zinc and lead deposits of northern Arkansas: Adams, G. I., 1.

Mississippian flora: Arnold, 1.

Geology of the Kirkwood Quadrangle: Baldwin, 1.

- Ostracodes from the type section of the Fern Glen formation: Benson, 1.
- Revision of the early Mississippian nomenclature in western Missouri: Beveridge, 4.
- Salem Ostracoda of Missouri: Brayer, 2.
- Late Mississippian Bryozoa from Missouri: Chakravorty, 1.
- Notes on Weller's fossil faunas at Springfield: Clark, E. L., 10.
- Geology of House Springs area: Doman, 1.
- Mississippian cuneate corals: Easton, 1.
- Corals from the Redwall limestone (Mississippian) of Arizona: Easton, 2.
- Geology of the Sand Ridge area: Faber, 1.
- Properties of the Cheltenham clay as a cause of building cracking: Frank, 4.
- The Spergen formation in St. Louis and Jefferson Counties: Geddes, 1.
- Geology of the Steelville Quadrangle: Hendriks, H. E., 3.
- Mississippian algal limestones from the vicinity of St. Louis: Johnson, 1.
- Stratigraphy of lower Mississippian rocks in southwestern Missouri: Kaiser, C. P., 2.
- Fenestrate Bryozoa in the Chouteau limestone of central Missouri: Koenig, 1.
- Osage-Meramec contact: Laudon, 1.
- A goniatite from the Mississippian Boone formation of Missouri: Miller, A. K., 2.
- Some Mississippian cephalopods from central and western U. S.: Miller, A. K., 5.
- Lower Mississippian ammonoids of Missouri: Miller, A. K., 6.
- Paleontological features of Mississippian rocks in North America and Europe: Moore, R. C., 3.
- Mississippian carbonate deposits of the Ozark region: Moore, R. C., 4.
- Devonian-Mississippian boundary formations: Niewoehner, 1.
- Possibility of a land bridge across Nebraska in Mississippian time: Reed, E. C., 1.
- Lower Pierson fauna of west-central Missouri: Spreng, 1.
- Geology of the Fulton Quadrangle: Unklesbay, 6.
- Correlation of the Mississippian formations of North America: Weller, 1.
- The paleontology of the Chester series of southwestern Missouri: Wright, L. M., 1.
- MISSOURI SERIES.**
- Tectonic control of lithologic associations: Dapples, 1.
- Lithofacies maps and regional sedimentary stratigraphic analysis: Krumbein, 1.
- MOBERLY SANDSTONE.**
- A study of the Moberly sandstone: Galegor, 1.
- NOIX OOLITE.**
- The Noix oolite of Pike County: Trapp, 1.
- OGALLALA.**
- Ogallala and post-Ogallala sediments: Elias, 1.
- ORDOVICIAN SYSTEM.**
- Zinc and lead deposits of northern Arkansas: Adams, G. I., 1.
- Tom Sauk limestone of southeastern Missouri: Brightman, 1.
- Review of (Stratigraphy of some lower Ordovician formations of the Ozark uplift): Cloud, 1.
- Paleoecological conditions in the Ozark region in lower Ordovician (Canadian) time: Cullison, 2.
- Geology of House Springs area: Doman, 1.
- Geology of the Sand Ridge area: Faber, 1.
- Regional aspects of Cambrian and Ordovician subsurface stratigra-

- phy in Kentucky: Freeman, L. B., 1.
- Regional subsurface stratigraphy of the Cambrian and Ordovician of Kentucky and vicinity: Freeman, L. B., 3.
- Geology of Cape Girardeau and Jonesboro Quadrangles, southeastern Missouri: Gealy, 1.
- Subsurface geology of the Mississippi embayment of southeast Missouri: Grohskopf, 9.
- Geology of the Selma Farm area, Jefferson County: Haack, 1.
- The geology of the Steelville Quadrangle: Hendriks, H. E., 3.
- Ordovician diastems in Missouri: Larson, E. R., 1.
- Stratigraphy of Plattin group, southeastern Missouri: Larson, E. R., 3.
- Correlation of rocks of Simpson age in north-central Kansas with the St. Peter sandstone and associated rocks in northwestern Missouri: Leatherock, 1.
- Insoluble residue zones of the Canadian of southwest Missouri: McCracken, 1.
- Correlation of insoluble residue zones of upper Arbuckle of Missouri and southern Kansas: McCracken, 2.
- Early Ordovician cephalopods with subterminal apertures: Miller, A. K., 1.
- Lower Ordovician fish remains from Missouri: Miller, A. K., 3.
- Review of (Stratigraphy of some lower Ordovician formations of the Ozark uplift): Muilenburg, 1.
- Recent studies of the Plattin formation in Missouri: Peery, 1.
- The Decorah formation of east-central Missouri: Reynolds, 1.
- Geology of the Lebanon Quadrangle: Searight, T. K., 3.
- Correlation of the Ordovician formations of North America: Twenhofel, 1.
- Geology of the Fulton Quadrangle: Unklesbay, 6.
- Late Cambrian and early Ordovician trilobites from the Marathon uplift, Texas: Wilson, L., 1.
- The conodont fauna of the Ordovician Dutchtown formation of Missouri: Youngquist, 1.
- ### OSAGEAN SERIES.
- Geology of the Kirkwood Quadrangle: Baldwin, 1.
- Ostracodes from the type section of the Fern Glen formation: Benson, 1.
- Subsurface stratigraphy of the Kinderhook and Osage series in southeastern Iowa: Harris, 1.
- Stratigraphy of the Mississippian formations of the Osage River Valley in western Missouri: Kaiser, C. P., 1.
- Stratigraphy of lower Mississippian rocks in southwestern Missouri: Kaiser, C. P., 2.
- Osage-Meramec contact: Laudon, 1.
- Two cephalopods from near the Kinderhook-Osage boundary in Missouri: Miller, A. K., 7.
- ### OWL CREEK FORMATION.
- Owl Creek fossils from Crowleys Ridge: Stephenson, 2.
- ### PALEOCENE.
- Post-Paleozoic stratigraphy of western Tennessee and adjacent portions of the upper Mississippi embayment: Stearns, R. G., 1.
- ### PENNSYLVANIAN SYSTEM.
- Zinc and lead deposits of northern Arkansas: Adams, G. I., 1.
- Geology of the Kirkwood Quadrangle: Baldwin, 1.
- Cherokee-Marmaton contact in northeastern Randolph County: Barclay, 1.
- Geology of the Lees Summit and Grandview Quadrangles: Boyd, 1.
- A petrographic study of the Bevier coal seam: Clarke, P. J., 1.
- Paleoecological study of the Pennsylvanian Exline limestone of Iowa and Missouri: Cline, 1.

- Ostracodes from the upper Pennsylvanian of Missouri: Cordell, 1.
- Pleistocene geology of Platte County: Davis, S. N., 1.
- Properties of the Cheltenham clay as a cause of building cracking: Frank, 4.
- A study of the Moberly sandstone: Galegor, 1.
- Revision of the classification of the post-Cherokee Pennsylvanian beds of Missouri: Greene, F. C., 4.
- Geologic section of Pennsylvanian rocks exposed in the Kansas City area: Greene, F. C., 5.
- Geology of the Coloma Quadrangle: Gregory, 1.
- Geology of the Steelville Quadrangle: Hendriks, H. E., 3.
- Geology of the Oak Grove Quadrangle: Howe, 1.
- Stratigraphy of the pre-Marmaton Desmoinesian rocks in southeastern Kansas: Howe, 4.
- Petrology of a specimen of the Perry Farm shale: Keller, 13.
- Observations on the origin of Missouri high-alumina clays: Keller, 14.
- Origin of Missouri fire clays: Keller, 18.
- Geology of the southern part of the Knobnoster Quadrangle: Kos, 1.
- Ceramic properties of the clays of the Polo gas field: Lambelet, 1.
- A nautiloid cephalopod fauna from the Pennsylvanian Winterset limestone of Jackson County: Miller, A. K., 4.
- Correlation of Pennsylvanian formations of North America: Moore, R. C., 1.
- Classification of Pennsylvanian rocks in Iowa, Kansas, Missouri, Nebraska, and northern Oklahoma: Moore, R. C., 2.
- A stratigraphic study of fusulinid Foraminifera in the Cherokee group, Pennsylvanian, of western Missouri and Kansas: Orlansky, 1.
- Stratigraphy of the Oregon Quadrangle: Planalp, 1.
- Geology of the Woods Chapel Quadrangle: Powers, R. B., 1.
- A study of Warrensburg sandstone: Rayl, 1.
- An investigation of the Pennsylvanian channel-form sandstones of Boone County: Rexroad, 1.
- Coal production, distribution, and consumption in Missouri: Searight, W. V., 1.
- Classification of Desmoinesian (Pennsylvanian) of northern Mid-Continent: Searight, W. V., 2.
- Guide Book, Field Trip, Second Annual Meeting, Association of Missouri Geologists: Searight, W. V., 3.
- Petrogenesis of lower Pennsylvanian sandstones of eastern Interior basin: Siever, 1.
- Geology of the Breckenridge area of Missouri with particular reference to oil and gas possibilities: Studt, 1.
- Primitive *Fusulinella* from southern Missouri: Thompson, 1.
- Mineralogy of the Perry Farm shale: Ting, 1.
- Distribution of American Pennsylvanian cephalopods: Unklesbay, 4.
- Geology of the Fulton Quadrangle: Unklesbay, 6.
- Regional variations in Pennsylvanian lithology: Wanless, 1.
- Pennsylvanian rocks of eastern Interior basin: Wanless, 2.
- PIERSON LIMESTONE.**
The lower Pierson fauna of west-central Missouri: Spreng, 1.
- PLATTIN LIMESTONE.**
Subsurface relations of the Maquoketa and 'Trenton' in Illinois: DuBois, 1.
- Zones of Plattin-Joachim of eastern Missouri: Grohskopf, 4.
- Ordovician diastems in Missouri: Larson, E. R., 1.

Stratigraphy of the Plattin limestone in southeastern Missouri: Larson, E. R., 2.

Stratigraphy of Plattin group, southeastern Missouri: Larson, E. R., 3.

Recent studies of the Plattin formation in Missouri: Peery, 1.

PERRY FARM SHALE.

Petrology of a specimen of the Perry Farm shale: Keller, 13.

Mineralogy of the Perry Farm shale: Ting, 1.

PLEASANTON FORMATION.

A stratigraphic study of the upper Marmaton and lowermost Pleasanton groups, Pennsylvanian, of Missouri: Cline, 2.

PLEISTOCENE SERIES.

Pleistocene deposits at Brook Hill Farm, Pike County: Bedford, 1.

Subdrift valleys of southeastern Iowa: Beveridge, 1.

A detailed gravimetric survey of an area immediately south and east of St. Charles: Chandiok, 1.

Pleistocene geology of Platte County: Davis, 1.

Pleistocene deposits of the Alton-Bellefontaine area: Fink, 1.

Interpretation and differentiation of glacial deposits by the use of petrographic methods: Fletcher, 1.

Beginning of the Pleistocene in eastern U. S.: Flint, R. F., 1.

Properties of the Cheltenham clay as a cause of building cracking: Frank, 4.

Geology of the Coloma Quadrangle: Gregory, 1.

Glacial studies of the Pleistocene of North America: Hobbs, 1.

"Pavement boulders" as interglacial evidence: Holmes, C. D., 1.

Pleistocene glacial drifts and loess of Missouri: Holmes, C. D., 2.

Some Pleistocene problems in Missouri: Holmes, C. D., 3.

Radiocarbon dates and Pleistocene chronological problems in the

Mississippi Valley region: Horberg, 1.

Gumbotil; its formation and relation to overlying soils with claypan subsoils: Krusekopf, 13.

Geological implications of the loesses of the upper Mississippi Valley region: Leighton, 1.

Geological field conference on the Mississippi River Valley: Leighton, 4.

Loess formations of the Mississippi Valley: Leighton, 6.

Blancan faunas, their age and correlation: McGrew, 1.

Post-Loveland pre-Iowan loess in western Iowa: Mickelson, 2.

Geologic interpretation of the occurrence of glacial drift in Boone County: Patterson, E. D., 1.

Late Wisconsin terraces and soils near St. Louis: Peltier, 2.

Pleistocene sediments of the St. Louis area: Robertson, P., 1.

Identification and interpretation of buried soils: Simonson, 2.

Geology of the Fulton Quadrangle: Unklesbay, 6.

Pleistocene deposits of the St. Louis area: Wermeyer, 1.

PLIOCENE SERIES.

Pre-loessial "Lafayette type" gravel in the vicinity of St. Louis: Davies, 1.

Properties of the Cheltenham clay as a cause of building cracking: Frank, 4.

PORTERS CREEK FORMATION.

Radiolaria from the Porters Creek formation, Stoddard County: Middour, 1.

PRECAMBRIAN.

Tom Sauk limestone of southeastern Missouri: Brightman, 1.

Radioactivity of the pre-Cambrian section of the Bourbon, Missouri, well core by measurement of the total hard gamma radiation: Damon, 1.

- Subsurface geology of the Mississippi embayment of southeast Missouri: Grohskopf, 9.
- Relationship of quartz orientation to fluid flow structure found in acid extrusive rocks of the Royal Gorge felsite: Haughey, 1.
- Geology of the Ozark-Martin mine area, Madison County: Hayes, W. C., Jr., 1.
- Pre-Cambrian iron deposits of Missouri: Hayes, W. C., Jr., 2.
- An investigation of the basic rocks in the Fredericktown Quadrangle: Jenke, 1.
- Geology of the northeast portion of the Lesterville Quadrangle: Marcher, 1.
- Geology of the Einstein-Apex tungsten mine area: Pomerene, 1.
- Igneous geology of the Bonne Terre Quadrangle: Stickel, 1.
- QUATERNARY.**
- Geology of T. 50 N., R. 13 W., Boone County: Danser, 1.
- Loess and Quaternary geology of the lower Mississippi Valley: Fisk, 3.
- Late Quaternary deltaic deposits of the Mississippi River: Fisk, 5.
- Subsurface geology of the Mississippi embayment of southeast Missouri: Grohskopf, 9.
- A detailed magnetometer survey of the Missouri flood plain region immediately southeast of St. Charles: Schaffer, G. J., 1.
- REEDS SPRING LIMESTONE.**
- The Mississippian flora: Arnold, 1.
- REGIONAL STRATIGRAPHY.**
- Lithofacies map of lower Silurian deposits in central and eastern U. S. and Canada: Amsden, 1.
- Subsurface relations of the Maquoketa and 'Trenton' in Illinois: DuBois, E. P., 1.
- Regional aspects of Cambrian and Ordovician subsurface stratigraphy in Kentucky: Freeman, L. B., 1.
- Regional aspects of Silurian and Devonian subsurface stratigraphy in Kentucky: Freeman, L. B., 2.
- Regional subsurface stratigraphy of the Cambrian and Ordovician in Kentucky and vicinity: Freeman, L. B., 3.
- RICH FOUNTAIN FORMATION.**
- Stratigraphy and paleontology of the Roubidoux formation of Missouri: Heller, 1.
- ROUBIDOUX FORMATION.**
- New gastropods and trilobites critical in the correlation of lower Ordovician rocks: Bridge, 1.
- Stratigraphy and paleontology of the Roubidoux formation of Missouri: Heller, 1.
- Geology of the Lebanon Quadrangle: Searight, T. K., 3.
- Late Cambrian and early Ordovician trilobites from the Marathon uplift, Texas: Wilson, J. L., 1.
- STE. GENEVIEVE LIMESTONE.**
- The Ste. Genevieve formation at its type locality: Short, N. M., 1.
- ST. LOUIS LIMESTONE.**
- Geology of the Kirkwood Quadrangle: Baldwin, 1.
- A detailed gravimetric survey of an area immediately south and east of St. Charles: Chandio, 1.
- The velocity of elastic waves in some Paleozoic formations in the vicinity of St. Louis: Kisslinger, 1.
- The effect of variations in chemical composition on the velocity of seismic waves in carbonate rocks: Kisslinger, 3.
- ST. PETER SANDSTONE.**
- Tectonic control of lithologic associations: Dapples, 1.
- General lithofacies relationship of St. Peter sandstone and Simpson group: Dapples, 3.
- Subsurface relations of the Maquoketa and 'Trenton' in Illinois: DuBois, 1.

The velocity of elastic waves in some Paleozoic formations in the vicinity of St. Louis: Kisslinger, 1.

The correlation of rocks of Simpson age in north-central Kansas with the St. Peter sandstone and associated rocks in northwestern Missouri: Leatherock, 1.

SALEM LIMESTONE. Refer also to SPERGEN.

Some Ostracoda from the Spergen (Salem) limestone of Missouri: Brayer, 1.

Salem Ostracoda of Missouri: Brayer, 2.

SILURIAN SYSTEM.

Lithofacies map of lower Silurian deposits in central and eastern U. S. and Canada: Amsden, 1.

Arenaceous Foraminifera found weathered free from the Silurian of Missouri: Dunn, P. H., 1.

Regional aspects of Silurian and Devonian subsurface stratigraphy in Kentucky: Freeman, L. B., 2.

Geology of Cape Girardeau and Jonesboro Quadrangles, southeastern Missouri: Gealy, 1.

Subsurface geology of the Mississippi embayment of southeast Missouri: Grohskopf, 9.

Brownsport and related Bryozoa: Loeblich, 1.

The Noix oolite of Pike County: Trapp, 1.

SIMPSON GROUP.

General lithofacies relationship of St. Peter sandstone and Simpson group: Dapples, 3.

Correlation of rocks of Simpson age in north-central Kansas with the St. Peter sandstone and associated rocks in northwestern Missouri: Leatherock, 1.

SNYDER CREEK SHALE.

The variations in the Stropheodontas of the Snyder Creek shale: Williams, J. S., 1.

SPERGEN LIMESTONE.

Geology of the Kirkwood Quadrangle: Baldwin, 1.

The Spergen formation in St. Louis and Jefferson Counties: Geddes, 1.

STRATIGRAPHY, GENERAL.

✓ Zinc and lead deposits of northern Arkansas: Adams, G. I., 1.

Geology of the Browns Station anticline, Boone County: Allen, W. B., 1.

Stratigraphy and structure of the Eldorado Springs North Quadrangle: Barker, 1.

Geology of a portion of Benton County: Bay, 1.

Geology of the Weaubleau Creek area: Beveridge, 3.

✓ Geology of the southwest part of the Ironton Quadrangle: Bonham, 1.

Geology of the Manchester Quadrangle: Bousfield, 1.

Geology of the Lees Summit and Grandview Quadrangles: Boyd, 1.

Contact deposits at unconformities: Branson, E. B., 2.

Geology: Branson, E. B., 3.

Geology of the northern half of the Marquand Quadrangle, Madison and Bollinger Counties: Breitenwischer, 1.

A detailed gravimetric survey of an area immediately south and east of St. Charles: Chandiock, 1.

Geology of a portion of the Halltown Quadrangle: Clark, E. L., 1.

Guidebook, Sixteenth Regional Field Conference: Clark, E. L., 9.

The geology of the western third of the Coldwater Quadrangle: Crow, 1.

Geology of the northern half of the Coldwater Quadrangle, Madison County: Curtis, 1.

Geology of the southwest portion of the Berryman Quadrangle: De-genfelder, 1.

- Geology of the southwest quarter of the Aurora Quadrangle: Diem, 1.
- Geology of the southwest portion of the Millersburg Quadrangle, Boone County: Ditzell, 1.
- Geology of the northeast part of the Glasgow Quadrangle: Dwight, 1.
- Geology of the northeast part of Saline County: Ellis, B. E., 1.
- Geological investigation of the alluvial valley of the lower Mississippi River: Fisk, 1.
- Paleozoic formations of the Iron-ton Quadrangle: Goebel, 1.
- Geology of the Eureka Quadrangle: Good, 1.
- Geology of the southwest portion of the Richwoods Quadrangle: Gooding, 1.
- The geology of northwestern Warren County: Goodrich, 1.
- Geology of southern Boone County: Gore, 1.
- Geology of the northwest portion of the Mokane Quadrangle: Granata, 1.
- Recent drilling (for oil) in northwestern Missouri: Greene, 1.
- Subsurface geology of the Gulf Coastal Plain in southeastern Missouri: Grohskopf, 3, 9.
- Insoluble residues of some Paleozoic formations of Missouri, their preparation, characteristics, and application: Grohskopf, 5.
- Geology of the southwest quarter of the Elsberry Quadrangle: Gross, 1.
- Geology of a portion of southeastern Callaway County: Hambleton, 1.
- Geology of the southeast portion of the Fulton Quadrangle: Hampstead, 1.
- Geology of the east-central portion of the Jefferson City Quadrangle: Harlan, 1.
- Geology of the Crooked Creek area: Hendriks, 1.
- Geology of the northwest portion of the Des Arc Quadrangle: Herbst, 1.
- Pre-Cambrian surface in northeastern Oklahoma and parts of adjacent states: Ireland, 1.
- Geology of the Berryman area, Washington County: James, 1.
- The relationship of regional structural geology to the ore deposits in the southeastern Missouri mining district: James, 3.
- Post-Cambrian activity in southeastern Missouri: Kidwell, 6.
- Post-Devonian igneous activity in southeastern Missouri: Kidwell, 8.
- The geology of north-central Ralls County: Levin, 1.
- The geology of a portion of southwestern Callaway County: McCarty, 1.
- Northeast Missouri's oil possibilities improve: McCracken, 3.
- Geology of the Shawnee Bend Quadrangle, Benton County: McMillan, D. E., Jr., 1.
- Feldspathic materials in the sand of some Paleozoic sandstone in Missouri: Markward, 1.
- Geology in and adjacent to Cape Girardeau: Marshall, J. H., 1.
- Geology of southwestern Howard County: Marvin, 1.
- The mineral deposits of Morgan County: Mather, 1.
- Barite deposits of central Missouri: Mather, 2.
- Geology of the northern portion of the Steelville Quadrangle: Mickelson, 1.
- Geology of southeastern Callaway County: Miller, R. G., 1.
- Geology of the northern half of the Meramec Spring Quadrangle: Mueller, 1.
- Guide Book, Seventeenth Regional Field Conference: Muilenburg, 6.
- An investigation of the Graydon formation in portions of Callaway County: Murphy, 1.
- Geology of the southeast portion of the Millersburg Quadrangle, Callaway County: Otten, 1.

Geology of the Tiff and Vineland Quadrangles of southeast Missouri: Parizek, 1.

Stratigraphy and structure of the Tiffin Quadrangle: Pasley, 1.

Geology of the southeast portion of the Sullivan Quadrangle: Petrie, 1.

Geology of the southeast portion of the Richwoods Quadrangle: Pickford, 1.

Stratigraphy and structure of the southeast quarter of the Stafford Quadrangle: Pulliam, 1.

Geology of a portion of the Shell Knob Quadrangle: Raney, 1.

An investigation of the Pennsylvanian channel-form sandstones of Boone County: Rexroad, 1.

The Summit Park structure, Jefferson County: Rezak, 1.

Geology of the southeast quarter of the Elsberry Quadrangle: Ringena, 1.

Geology of the north half of the Elsberry Quadrangle: Ross, 1.

Geology of southwestern Boone County: Rush, 1.

Geology of the New Bloomfield area, Callaway County: Sanders, 1.

Geology of a portion of the Augusta Quadrangle: Schindler, 1.

Geology of a portion of the Hermitage Quadrangle: Schroeder, 1.

Geology of the Humansville Quadrangle: Searight, T. K., 1.

The structure of the Bourbon-Sullivan area, Crawford, Franklin, and Washington Counties: Searight, T. K., 2.

Pre-upper Cambrian sediments of Vernon County: Skillman, 1.

Geology of the southeast quarter of the Montgomery City Quadrangle: Smith, R. R., 1.

Stratigraphy and structure of the Roscoe Quadrangle: Stenberg, 1.

Geology of the southwest portion of the Montgomery City Quadrangle: Strassberg, 1.

The structural geology of parts of St. Louis and St. Louis County: Stringfield, 1.

Geology of east-central Boone County: Taylor, J. R., 1.

Geology of the Big Springs area: Thomasson, 1.

Geology of the Pomme De Terre Reservoir area: Turner, 1.

Geology of the Nebo Quadrangle: Tuthill, 1.

Geology of Boone County: Unklesbay, 3.

Geology of parts of Creve Coeur and Chesterfield Quadrangles: Veesaert, 1.

Stratigraphy and structure of the northeast quarter of the Richwoods Quadrangle: Warfield, 1.

A geological investigation of an area in Hickory and Polk Counties: Weathers, 1.

Geochemical study of a drill core: Wesley, 1.

Geology of the New London area, Ralls County: Williams, J. H., 1.

Geology of the south half of the Meramec Spring Quadrangle: Yorston, 1.

SUMMIT COAL.

Small spores from the Summit coal of Boone County: Reinertsen, 1.

SYLAMORE FORMATION.

The origin and occurrence of oolites in the Sylamore formation in central Boone County: Swartzlow, 1.

Some Devonian and Mississippian conodonts from northern Arkansas: Woods, 1.

TERTIARY SYSTEM.

Subsurface geology of the Mississippi embayment of southeast Missouri: Grohskopf, 9.

Lafayette formation: McGee, 1.

TOM SAUK LIMESTONE.

Tom Sauk limestone of southeastern Missouri: Brightman, 1.

The Tom Sauk limestone member of the Bonnetterre formation in Missouri: Brightman, 2.

VAN BUREN FORMATION.

Nautiloids from the Tanyard formation of central Texas: Unklesbay, 5.

WARRENSBURG SANDSTONE.

A study of Warrensburg sandstone: Rayl, 1.

WARSAW FORMATION.

Geology of the Kirkwood Quadrangle: Baldwin, 1.

WINTERSET LIMESTONE.

A nautiloid cephalopod fauna from the Pennsylvanian Winterset limestone of Jackson County: Miller, A. K., 4.

STRUCTURAL GEOLOGY

GENERAL.

Geology of the Browns Station anticline, Boone County: Allen, W. B., 1.

Stratigraphy and structure of the Eldorado Springs North Quadrangle: Barker, 1.

Geology of the Weaubleau Creek area: Beveridge, 3.

Geology: Branson, E. B., 3.

Origin of filled sink structures and circle deposits of Missouri: Bretz, 1.

Pleistocene geology of Platte County: Davis, 1.

Geology of the Sand Ridge area: Faber, 1.

Controle estrutural dos depositos de chumbo e zinco do Tri-State: Fowler, 1.

Faulting on the northeastern flank of the Ozarks: Frank, 1.

Geology of Cape Girardeau and Jonesboro Quadrangles, southeastern Missouri: Gealy, 1.

Recent drilling (for oil) in northwestern Missouri: Greene, 1.

Missouri, its oil and gas possibilities: Greene, 2.

Subsurface geology of the Mississippi embayment of southeast Missouri: Grohskopf, 9.

Geology of the southwest quar-

ter of the Elsberry Quadrangle: Gross, 1.

Review of (Tectonics of middle North America): Harrison, 1.

Geology of the Crooked Creek structure, Crawford County: Hendriks, H. E., 2.

Pre-Cambrian surface in northeastern Oklahoma and parts of adjacent states: Ireland, 1.

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