Field Guides of Oklahoma

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The Oklahoma Geological Survey is a state agency for research and public service, mandated in the State Constitution to study Oklahoma’s land, water, mineral and energy resources and to promote wise use and sound environmental practices.
INTRODUCTION

The following guidebooks were collected from 2012 to 2017. The list contains guidebooks that are accessible through the University of Oklahoma (OU) or Oklahoma State University (OSU) library systems, interlibrary loan, or local/national professional organizations. If they are not readily available, they are not in this list; for example, most of the early (1924-1932) Oklahoma Geological Survey field conferences (some of which are only available through OU’s Western History Collection or are not available at all). Only the 10th (1927) and the 18th (1930) Oklahoma Geological Survey field conferences are included in this list and are available through OU’s library system. The following organizations or companies have field trips listed in this publication (the number of their trips listed is shown):

American Association of Petroleum Geologists (AAPG): 23
American Association of State Geologists: 1
American Association of Stratigraphic Palynologists: 2
American Institute of Biological Sciences: 1
American Institute of Professional Geologists (AIPG): 4
Ardmore Geological Society: 23
Association of Missouri Geologists: 2
Baylor Geological Society: 1
Baylor University Press: 1
Boy Scouts of America: 1
Conoco Exploration Research Division: 1
Dallas Geological Society: 4
East Texas State University Geological Society: 2
Flintstone Rock Club: 1
Fort Smith Geological Society: 1
Fort Worth Geological Society: 1
Geological Society of America (GSA): 26
Indiana University Department of Geology: 1
Kansas Geological Society (KGS): 11
Mid-Continent Coalbed Methane and Gas Symposium II: 1
Midwestern University Geological Society: 1
North Texas Gem and Mineral Society: 1
North Texas Geological Society: 1
Oklahoma City Geological Society (OCGS): 23
Oklahoma Geological Survey (OGS): 65
Oklahoma Academy of Science: 11
Oklahoma A. & M. College (Oklahoma State University): 1
Oklahoma Industrial and Mineral Industries Conference: 1
OU Sigma Gamma Epsilon Chapter: 6
Panhandle Geological Society: 3
Pick and Hammer Club: 1
Salisbury Department of Geology, Beloit College: 1
Society of Economic Paleontologists and Mineralogists (SEPM): 7
Self-published: 1
Shell Oil Company: 1
Shreveport Geological Society: 6
Society of Vertebrate Paleontologists: 1
Sohio Petroleum Company: 1
South Central Friends of the Pleistocene: 1
Stratigraphy (peer-reviewed journal): 1
Texas Christian University: 1
Tulsa Geological Society (TGS): 24
University of Oklahoma School of Geology and Geophysics: 3
Shawnee Geological Society: 2
University of Houston: 1
University of Iowa: 1
University of Texas at Dallas: 1
USGS (International Geological Congress XVI session, United States): 1
West Texas State University: 1
FIELD GUIDES OF OKLAHOMA


Arbenz, K., 1953, Stratigraphy and Structure of the Criner Hills: Sigma Gamma Epsilon Field Trip, 22 p. (Field trip held December 12-13, 1953)


Brant, R.A., and Fitts, L.E., 1941, Tulsa to Choteau and Grand River Area and Return, Tulsa Geological Society, 17 p. (Field trip held Oct. 18, 1941)


Briggs, G., McBride, E.F., Moiola, R.J., 1975, Sedimentology of Paleozoic Flysch and Associated Deposits, Ouachita Mountains- Arkoma Basin, Oklahoma, Dallas Geological Society, 133 p. (Field trip held April, 1975 for the annual AAPG and SEPM meetings in Dallas, TX)


Buehler, H.A., Brenner, G.C., Cram, I.H., Giles, A.W., McQueen, H.S., and Robinson, C.D., 1933, Guidebook: 7th annual Field Conference of the Kansas Geological Society, Kansas Geological Society, 54 p. (Field trip held September 3-7, 1933)


Buzzalini, A.D., Murray, F.N., and Bennison, A.P., 1984, Upper Pennsylvanian Source Beds of Northeastern Oklahoma and Adjacent Kansas, Tulsa Geological Society, 61 p. (Field Trip held May 4-5, 1984)

Cardott, B.J., Elmore, R.D., 1991, Field Trip Guide to Selected Outcrops, Arbuckle Mountains, Oklahoma: in conjunction with Sedimentary Basin Geochemistry and Fluid/Rock Interactions Workshop, School of Geology and Geophysics, the University of Oklahoma, 57 p. (Field trip held Nov. 17, 1991)


Chaplin, J.R., 2003, One-Day Field Trip to the Arbuckle Mountains, AAPG/SEG, 60 p. (Field trip held March 16, 2003, American Association of Petroleum Geologists/Society of Exploration Geophysicists Spring Student Expo)


Clifton, R. L., 1953, Spring Geology Field Trip: Boiling Springs State Park, Woodward, Okla., Oklahoma Academy of Science, 7 p. (Field trip held May 2, 1953)

Cline, L.M., 1968, A Guidebook to the Geology of the Western Arkoma Basin and Ouachita Mountains Oklahoma, Oklahoma City Geological Society, 62 p. (Fieldtrip held April 1968, American Association of Petroleum Geologists and the Society of Economic Paleontologists and Mineralogists annual meeting)


Creath, W.B., and Howell, G.D., 1974, Guidebook: Environmental Geology of Metropolitan Tulsa, GSA, 28 p. (Field Trip held March 1974 South-Central Section of the Geological Society of America Meeting)


Decker, C.E. and Fitts, J., 1931, Field Trip in Arbuckle Mountains from Ada to Springer, Oklahoma, Geological Society of America, 11 p. (field trip
Decker, C.E., 1936, Field Conference for the Study of the Simpson Formation, Sec 24 and 25-T2S-R1E, Oklahoma City Geological Society, 8 p. (Field Trip held October 17, 1936)

Decker, C.E., and Harris, R.W., 1936, Field Conference for the Study of the Simpson Formation, Sections: 5-8-17-2S-1W, Oklahoma City Geological Society, 8 p. (Field Trip held November 21, 1936)

Decker, C.E., and Harris, R.W., 1937, Field Conference for the Study of the Simpson Formation, Oklahoma City Geological Society, 6 p. (Field Trip held March 5-6, 1937)

Decker, C.E., 1940, Structural and Stratigraphic Features of the Wichita Mountains: Oklahoma City Geological Society Field Trip, Oklahoma City Geological Society

Decker, R.E. and Black, B., ed.s, 1976, A Study of Paleozoic Rocks in Arbuckle and Western Ouachita Mountains of Southern Oklahoma, Shreveport Geological Society, 138 p. (Field trip held October 15-17, 1976)


Donovan, R.N., 1983, The Geology of the Blue Creek Canyon Area in the Slick Hills of Southwestern Oklahoma, American Association of Petroleum Geologists Student Chapter of OSU, 82 p. (Field trip held April 23, 1983)


Dott, R.H., Decke, R.E., Tomlinson, C.W., Moreman, W.L., Fitts, J., White, M., Hyatt, D., 1939, Arbuckle Mountains-Ardmore Basin Field Trip, AAPG, 16 p. (Field trip held March 25, 1939 for the 24th annual American Association of Petroleum Geologists annual meeting)


Dott Sr., R., ed., 1981, A Guidebook to the Type Areas of the Seminole and Holdenville Formations Western Arkoma Basin, Oklahoma City Geological Society, 59 p. (Field trip No. 2 held September 19, 1981, American Association of Petroleum Geologists Mid-Continent Regional Meeting)


Eames, L.E., Hedlund, R.W., Scott, R.W., Thomas, J.B., and Upshaw, C.F., 1977, Field Trip: Tulsa Area, American Association of Stratigraphic Palynologists, Inc., 26 p. (Field Trip held October 22, 1977, 10th Anniversary Annual Meeting of the American Association of Stratigraphic Palynologists, Inc.)
FIELD GUIDES OF OKLAHOMA


Enlows, H.E., 1950, Tri-State Trip, Field Trips for the 1950-51 Season, Tulsa Geological Society, p. 5-8 (Field Trip held October 28, 1950)

Enlows, H.E. and Brant, R.A., 1955, Road Log of Field Trip from Dwight Mission to Tahlequah, Oklahoma Academy of Science, 7 p. (Field trip held May 7, 1955)


Erickson, R.J., 1991, Geology Field Trip, Catoosa Area, Tulsa Geological Society, 12 p.

Evans, K.R., and Aber, J.S., ed.s, 2010, From Precambrian Rift Volcanoes to the Mississippian Shelf Margin: Geological Field Excursions in the Ozark Mountains, Geological Society of America, 163 p. (Field Guide 17)

Farish, L.M., Seager, O.A., 1936, The Pennsylvanian of the Ardmore Basin North and South of Ardmore, Oklahoma, Ardmore Geological Society, 38p. (Field trip held March 14, 1936)


Fay, R.O., 1984, Ouachita Mountains Field Trip, Oklahoma City Geological Society, 10 p. (Field Trip held Dec. 1, 1984, Oklahoma City Geological Society Discussion Group annual field trip)


Fisher, J., Sefchik, L, Kestle, S., 1973, Regional Geologic Field Trip to the Ozarks, Ouachitas, and Arbuckles: The Western Ouachitas, Geology of the Arbuckle Mountains, Indiana University Department of Geology, p. 87-112, and p. 112-133 (Field trip held May 15-26, 1973)

Fitts Jr., L.E., 1946, Pennsylvanian and Mississippian Rocks of Eastern Oklahoma, Tulsa Geological Society, 19 p. (Field Trip held May 11, 1946)


Gatchell, J.H., and Fitts, L.E., 1951, Tulsa to Spavinaw, Field Trips for the 1950-51 Season, Tulsa Geological Society, p. 19-26 (Field trip held April 7, 1951)


Gilbert, M.C., Hogan, J.P., and Myers, J.D., 1990, Geology, Geochemistry and Structure of Low Pressure Sheet Granites, Wichita Mountains, Oklahoma, GSA, 69 p. (Field trip held Oct. 29-Nov. 1, 1990 for the Geological Society of America annual meeting in Dallas, Texas)


Gouin, F., Seager, O.A., Worrell, F., 1936, Field Trip from Ardmore to the Wichita Mountains, Oklahoma, The Ardmore Geological Society, 34 p. (Field trip held April 18, 1936)


Griffith, C.E. and Pashuck, R.J., 1972, Paleozoic Geo-


Griffith, C.E. and Pashuck, R.J., 1972, Paleozoic Geology of the Arbuckle Mountains, Oklahoma, East Texas State University Geological Society, 114 p. (Field trip held April 7-9, 1972)

Griley, H.L., and Morgan, E.W., 1936, Field Trip: Ardmore to the Ouachita Mountains, Oklahoma, Ardmore Geological Society, 21 p. (Field trip held June 6, 1936)

Guthrey, W.M., and Tomlinson, C.W., 1938, Field Trip to the Lower Pennsylvanian of the Berwyn and Baum Areas, Ardmore Geological Society, 8 p. (Field trip held April, 23, 1938)


Hall, H.H., Laudon, R.B., and Bloesch, E., 1961, Arko-


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FIELD GUIDES OF OKLAHOMA

trip held in conjunction with the Fort Smith Geological Society April 14-15, 1961)


Ham, W.E., 1950, Guidebook of Field Trip in the Arbuckle Mountains, Oklahoma Geological Survey, 18 p. (Field trip held October 19-20, 1950 for Industrial Minerals Division AIME)


Hendricks, T.A., 1938, A Study of Surface Rocks from McAlester Shale to Thurman Sandstone through Townships Four, Five, and Six North, Ranges Twelve to Seventeen East, Pittsburg County, Oklahoma, Shawnee Geological Society, 16 p. (Field trip held June 18, 1938)

Hendricks, T.A., Fitts, L.E., Russom, V.W., and Jones, C.T., 1947, Field Conference in Western Part of the Ouachita Mountains in Oklahoma, T.G.S., 59 p. (Field trip held in May 1947)


Houseknecht, D.W., ed., 1983, Tectonic-Sedimentary Evolution of the Arkoma Basin and Guidebook to Deltaic Facies, Hartshorne Sandstone, Society of Economic Paleontologists and Mineralogists, 130 p. (Field trip held in October 1983, SEPM Midcontinent Section Meeting)


Huang, W.T., 1962, Precambrian Igneous Rocks of the Wichita Mountains, Texas Christian University and Baylor Geological Society, 31 p. (Field trip held March 3-4, 1962)

Huffman, G.G., 1950, Field Trip, Oklahoma Academy of Science, 3 p. (Field trip held May 6, 1950)

Huffman, G.G., 1953, Filed Conference on Pre-Atoka Rocks in Western Park of the Ozark Uplift, Northeastern Oklahoma, Oklahoma Geological Survey: Guidebook 1, 45 p. (Field trip held April 24-25, 1953)

Huffman, G.C., 1959, Camp Egan Area, Oklahoma Academy of Science, 12 p. (Field trip held May 2, 1959)

Huffman, G.G., 1964, 28th Field Conference of the Kansas Geological Society: North-Eastern Oklahoma, Kansas Geological Society, 78 p. (Field Trip held in October 1964)

Huffman, G.G., 1966, Guidebook for the Northeastern Oklahoma Field Trip, Sigma Gamma Epsilon and the School of Geology and Geophysics at the University of Oklahoma, 58 p.


Johnson, K.S., ed., 1988, Shelf-to-basin geology and resources of the Pennsylvanian strata in the Arkoma basin and frontal Ouachita Mountains of Oklahoma: Oklahoma Geological Survey Guidebook 25, 105p. (field trip held October 1, 1988, American Institute of Professional Geologists, annual national meeting)

Lintz Jr., J., 1947, Criner Hills Field Trip, OU Sigma Gamma Epsilon Chapter, 9 p. (Field trip held April 19, 1947)

Logan, D., 1964, Geological Field Trip: Okmulgee, Oklahoma, Flintstone Rock Club, 2 p. (Field trip held May 16, 1964)

Maddocks, R.F., ed., 1982, Texas Ostracoda, University of Houston, 353 p. (Field trip held July 24-25 and July 30-August 3, 1982 for the 8th International Symposium on Ostracoda)


Miser, H.D., 1950, Guide Book Field Conference in Eastern Part of the Ouachita Mountains in Oklahoma: with special reference to the Pre-Pennsylvanian and Lower Pennsylvanian rocks, Oklahoma City Geological Society, 26 p. (Field Trip held November 4-5, 1950)


Moore, C.A., 1947, Geological Field Trip, Oklahoma Academy of Science, 8 p. (Field Trip held May 3, 1947)

Morris, R.C. and Mullen, E.D., 1985, Alkalic Rocks and Carboniferous Sandstones: Ouachita Mountains New Perspective, GSA, 88 p. (Field trip held April 16-18, 1985, GSA regional meeting in Fayetteville, Arkansas)


Nielson, K.C., ed., 1982, Structural Styles of the Ouachita Mountains: Southeastern Oklahoma, GSA, 130 p. (Field trip held March 31- April 1, 1982, Annual Geological Society of America South Central Section Field Trip #3)


Nielsen, K.C., and Brown, W.G., ed.s, 1984, Comparative Structural Evolution of the Arbuckle and Ouachita Mountains, GSA, 108 p. (Field trip held March 28-29, 1984 for the Geological Society of America South Central Section Meeting)

Oakes, M.C. and Murray, A.N., 1941, Pennsylvanian Stratigraphy of Tulsa County, Tulsa Geological Society, 11 p. (Field trip held Nov. 22, 1941)

Oakes, M.C., 1947, Geologic Road Log: Muskogee to Prague, Oklahoma, Oklahoma Academy of Science, 7 p. (Field trip held May 4, 1947)

Oakes, M.C., 1947, Industrial Tour: Manufacturing Districts of Tulsa and Sand Springs, Oklahoma Industrial and Mineral Industries Conference, 12 p. (Field trip held November 18, 1947)


Powell, B.N., and Fischer, J.F., 1976, Plutonic Igneous Geology of the Wichita Magmatic Province, Oklahoma, Oklahoma Geological Survey Special Publication 76 _1, 40 p. (Field trip held for the 10th annual South-Central Section Geological Society of America meeting in Houston, Texas)


Schultz, G.E., ed., 1977, Field Conference on Late Cenozoic Biostratigraphy of the Texas Panhandle and Adjacent Oklahoma, West Texas State University, 176 p. (Field trip held August 4-6 1977)


Scott, R.W., ed., 1976, Coal and Oil Potential of the Tri-State Area, Tulsa Geological Society, 24 p. (Field trip held April 30-May 1, 1976)

Scott, R.W. and Edwards, W., 2012, Lower Cretaceous Carbonate Shelf Sequence Stratigraphy, South- eastern Oklahoma, Oklahoma City Geological Society, 46 p. (Field trip held May 5, 2012)


Six, R.L., 1931, Geology Field Trip No. 1, Oklahoma A. & M. College (OSU), 19 p.

Skinner, H.C., 1958, Guidebook Southern Oklahoma Field Trip, publisher unknown, 21 p. (Field trip held June 5-7, 1958)


Stone, G.T., 1967, The Structure and Igneous Rocks of the Wichita Mountains, Oklahoma, Oklahoma Geological Survey Special Publication 67_1, 50 p. (Field trip held April 1, 1967 for the first annual meeting of the South Central Section of the Geological Society of America)

Stovall, J.W., 1941, The Mesozoic Rocks of the Oklahoma Panhandle: Including an Area in Northeastern New Mexico, Oklahoma City Geological Society, 23 p. (Field trip held May 29-June 1, 1941)


Sutherland, P.K., and Manger, W.L., eds., 1979, Mississippian-Pennsylvanian shelf-to-basin transition, Ozark and Ouachita regions, Oklahoma and Arkansas: Oklahoma Geological Survey Guidebook 19, 72 p. (field trip no. 11 held May 27-June 1, 1979, Ninth International Congress of Carboniferous Stratigraphy and Geology)

Sutherland, P.K., Ed., 1982, Lower and Middle Pennsylvanian Stratigraphy in South-Central Oklahoma, Oklahoma Geological Survey: Guidebook 20, 51 p. (Field trip held March 27-28, 1982, Geological Society of America, South-Central Section annual meeting)


Tomlinson, C.W. and White, M.P., 1932, Ardmore Basin and Western Arbuckle Mountains, GSA, 8 p. (Field trip held January 2, 1932 for the 44th Annual Meeting of the Geological Society of America in Tulsa, OK)

Tomlinson, C.W., 1937, Field trip covering the Hoxbar and Upper Deese Formations South of Ardmore, Ardmore Geological Society, 13 p. (Field trip held March 13, 1937)

Tomlinson, C.W., 1937, Structure of the Criner Hills, Ardmore Geological Society, 10 p. (Field trip held May 15, 1937)

Tomlinson, C.W., 1938, Field trip to the Lower Pennsylvanian of the Berwyn and Baum Areas, Ardmore Geological Society, 8 p. (field trip held April 23, 1938)

Tomlinson, C.W., 1940, Washita Valley Fault System and Adjacent Structures, Ardmore Geological Society, 16 p. (Field trip held May 4-5, 1940)


FIELD GUIDES OF OKLAHOMA


Wickham, J.S., 1975, A Field Guide to the Geology of the Ouachita Mountains, Conoco Exploration Research Division, 28 p. (Field trip held in October 1975)

Wickham, J. and Stoever Jr., E.C., 1975, Geology of the Arbuckle Mountains, Oklahoma Geological Survey, 13 p. (Field trip held October 11, 1975 for the Western Area Convention National Science Teachers Association)

Wickham, J. and Denison, R., 1978, Structural Style of the Arbuckle Region, GSA, 116 p. (Field trip #3 held March 8-9, 1978 for the Geological Society of America South Central Section Meeting)


Woodard, H.H., Mankiewicz, C., and Mendelson, C., 1987, Field Trip Guide to the Ozark, Ouachita, and Arbuckle Mountains, R. D., Salisbury Department of Geology, Beloit College, p. 56-113 (Field trip held May 12-29, 1987)

Wrather, W.E., ed., 1933, Guidebook 6: Excursion A-6, Oklahoma and Texas, USGS, 69 p. (Field trip held for the International Geological Congress XVI session, United States)
No authors reported

1928, Northeast Texas and Southeast Oklahoma, Shreveport Geological Society, 4 p. (Field trip held June 9-10, 1928, 6th annual field trip)

1932, Oklahoma City Field Trip, American Association of Petroleum Geologists, 4 p. (Field trip held March 25, 1932)

1933, Second Field Conference, Oklahoma City Geological Society, 5 p. (Field Trip held October 18, 1930)

1941, Muskogee Area, Sigma Gamma Epsilon Field Trip: OU Chapter, 7 p. (Field trip held April 26-27, 1941)

1960, Guidebook Paleobotanical Field Trip, American Institute of Biological Sciences, 13 p. (Field trip held August 26-27, 1960, 1960 Annual Meeting at Oklahoma State University)

1963, Geological Field Trip: Tulsa County and Vicinity, Boy Scouts of America, 3 p. (Field trip held April 20, 1963)

1964, University of Iowa Spring field trip, Missouri-Illinois-Arkansas-Oklahoma, 52 p. (Field trip held March 21-28, 1964)