Combined Bibliographies of Oklahoma Geology


Compiled by Elizabeth A. Ham and Christine D. Gay
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SPECIAL PUBLICATION SERIES

The Oklahoma Geological Survey's Special Publication series is designed to bring new geologic information to the public in a manner efficient in both time and cost. The material undergoes a minimum of editing and is published for the most part as a final author-prepared report.

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Introduction

Since 1955, a bibliography of references to Oklahoma geology has been published annually in the Oklahoma Geological Survey's periodical publication, Oklahoma Geology Notes, and in its predecessor, The Hopper. The listings, annotated since 1958, are compiled from material published for the most part during the year preceding the year of compilation. Included are journal articles, theses, abstracts, books, maps, open-file reports, and symposium articles. These represent both published and unpublished items. Some entries are marginal but are included as an aid to the reader seeking information on any phase of the discipline as it pertains to Oklahoma.

The present bibliography is a year-by-year compilation of these previously published lists. For the sake of making this information available without delay to the reader, no attempt has been made to integrate the entries or the indexes.

Beginning with the listings for 1980, the annual bibliography will be issued as a separate volume in the Survey's Special Publication series rather than being incorporated into Oklahoma Geology Notes, as was the case in the past.

A Word About Oklahoma Geology Notes and The Hopper

The Hopper was issued monthly from July 1941 through December 1955; publication was continued thereafter as Oklahoma Geology Notes, with volume numbers successive. From volume 16 through volume 27, Oklahoma Geology Notes was published monthly; since 1968, publication has been bimonthly. All issues of The Hopper are now out of print.

In addition to the annual bibliography of Oklahoma geology, these periodicals have contained short scientific and technical articles, mineral and petroleum statistics, the Director's annual reports, news items, and abstracts.
Published papers on Oklahoma geology in the year 1955

Compiled by Francis Taaffe


Bradfield, H. H., Geology and oil development of Grayson County, Texas. Tulsa Geol. Society Digest, vol. 23, pp. 58-69, 6 figs. The Muenster Arch, Marietta Basin, Ouachita facies and extensive faulting comprise the complex geology of the Grayson County region.


Buse, Daniel A., Deltas significant in subsurface exploration. World Oil, vol. 140, no. 1, January, 1955, pp. 82, 84, 86, 4 figs. Many lenticular sand bodies are of deltaic origin and logically follow deltaic distributary patterns. Isopotenial maps are shown to lend great assistance in tracing channel directions.


Culp, Eugene F., Branson, C. Carl, and Brewster, Eugene B., Highway geology of Oklahoma. Okla. City Geol. Soc. 1955, 172 pp., index map. Road logs of the major highways of the state, with notations on Oklahoma’s historic sites.


Davis, L. V., Geology and ground-water resources of Grady and northern Stephens Counties, Oklahoma. Okla. Geol. Survey, Bull. 73, 1955, 184 pp., 15 tables, 14 figs., map. Stratigraphy of surface rocks, measurement of ground water and data on availability and quality.


Dietrich, Ray Francis, Jr., The Simpson group along the north flank of the Anadarko Basin. Shale Shaker, vol. 5, no. 5, January, 1955, pp. 5-12, 14-16, 17, 18, 21, 7 figs., 4 pls. Stratigraphic and correlation studies of the Simpson group of Oklahoma show its manner of thinning to the north and west. Shale Shaker Digest, 1955, pp. 373-384, 7 figs, 4 pls.


Earlougher, R. C., “Early Nowata, and Olympic (Okl.)”. The Oil and Gas Compact Bull., vol. 14, no. 1, June 1955, pp. 65-70. Two outstanding examples of successful waterflooding projects in Oklahoma are discussed.

Eisner, Stephan M., The lithology of the “Marchand” conglomerate. Shale Shaker, vol. 6, no. 4, December, 1955, pp. 9-10, 13-20, 22-25, 27. Comprehensive study of cores from Cement area shows the “Marchand” conglomerate to consist of a variety of clastics laid down by a stream of changeable regimen.


Gardner, Frank J., Oklahoma still springs pleasant surprises. Oil and Gas Journal, vol. 54, no. 28, November 14, 1955, pp. 261, Speakers at a meeting of the Mid-Continent Section of the A.A.P.G. conclude that Oklahoma still offers many a geological mystery to the oil hunter.

Gibbon, Anthony, McAlester Basin promises new pools. World Oil, vol. 140, no. 6, pp. 104-105, map, May, 1955. Developments in the Northwest Oktaha pool in southern Muskogee County, Oklahoma, loom as forerunners for a major oil discovery along the north rim of the McAlester Basin.


Gouin, Frank, Geologists are “working those hills.” World Oil, vol. 140, no. 5, April, 1955, pp. 112-114. Discussion on the present importance of surface field work by the geologists in the search for oil.


Gussaw, William Carruthers, Time of migration of oil and gas. Amer. Assoc. Petroleum Geologists, Bull., vol. 39, no. 5, pp. 547-573, 4 figs., May, 1955. The Oklahoma City field serves as an example to demonstrate that the capacity of traps to hold gas is a criterion for time of accumulation.

Hall, Alvin E., Boost oil recovery 100 percent. Oil and Gas Journal, vol. 54, no. 11, July 18, 1955, pp. 99-102, 4 figs. Describes how utilized operation and pressure maintenance have more than doubled the expected oil and gas recovery in the West Cement Medrano Unit. Includes a description of the lithology and structure of the Medrano sand.

Ham, William E., Origin of dolomite in the Arbuckle group, Arbuckle Mountains, Oklahoma, Proc. Fourth Subsurface Geological Symposium, 1955, pp. 67-73, 8 figs. Carbonate rocks of Cambro-Ordovician age are shown to contain dolomites of three types, each of which originated at different times under different environments.

Ham, W. E., and McKinley, M. C., Geologic map and sections of Arbuckle Mountains (Oklahoma), Okla. Geol. Survey, Map A-2, 1955, colored, scale 0.88 inch equals 1 mile.


Ingalls, Phillip C., Petroleum provinces ... in the United States and Canada. Oil and Gas Journal, vol. 53, no. 48, April 4, 1955, pp. 122-128, 9 figs. The Anadarko Basin is included as one of the areas in North America offering possible oil-and-gas-bearing rocks which have not been tested sufficiently to establish their producing capacities.


Jeffords, Russell M., Septal arrangement and ontogeny in the porpitid corals. Kansas Univ., Paleontological Contributions, Coeleterata, Article 2, no. 15, June, 1955, pp. 1-16, 3 pls., 4 figs. A species of Gymnophyllum from the Wewoka formation in northeastern Oklahoma is illustrated and described.

Kimberlin, Za Grant, Jr., The subsurface geology of Canadian County, Oklahoma. Shale Shaker, vol. 5, no. 8, April, 1955, pp. 5-12, 14-21, 11 figs. Shale Shaker Digest, 1955, pp. 419-433. 47


Law, Louis L., Development in Texas and Oklahoma Panhandles in 1954. Amer. Assoc. Petroleum Geologists, Bull., vol. 39, no. 6, June 1955, pp. 905-912, 1 fig. The Oklahoma Panhandle had 40 exploratory wells drilled in 1954 as compared with 48 the previous year. Of these, 12 were discoveries or extensions.

Lee, Wallace, Thickness maps can reveal Mid-continent structures. World Oil, vol. 141, no. 2, August, 1955, pp. 77-80, 82, 10 figs. Isopachous maps showing great thicknesses of rocks have revealed structural movements in Rocky Mountain region. They also can reveal milder structural warps of Mid-continent, where rock sequences are thinner and deformation is of lower order.

Levorsen, A. I., Where is tomorrow’s oil coming from? Oil and Gas Journal, vol. 53, no. 48, April 4, 1955, pp. 129-133, 4 figs. An “educated guess,” based on geological evidence, as to where we will be producing our oil in 1975-1980.


McCaslin, John C., Here’s where you’ll be drilling tomorrow. Oil and Gas Journal, vol. 54, no. 27, November 7, 1955, pp. 175-177. Southern Oklahoma and southeastern Beaver County are among a number of areas named in which important development and confirmation work is expected to increase in the next few months.
McCaslin, John C., Hugoton embayment play extends through three counties. Oil and Gas Journal, vol. 54, no. 31, December 5, 1955, pp. 183-184, 1 fig. Southeastern and southwestern Beaver County, Oklahoma, show exploration promise after busy year in the Hugoton Embayment of the Anadarko Basin.


McCaslin, John C., Two areas share October limelight. Oil and Gas Journal, vol. 54, no. 30, November 28, 1955, pp. 148-150. West Short Junction field in Cleveland County and recent strike in Greenville area, Love County, are current focal points of Oklahoma development interest.

McCracken, Earl, Correlation of insoluble residue zones of upper Arbuckle of Missouri and southern Kansas. Amer. Assoc. Petroleum Geologists, Bull., vol. 39, no. 1, January, 1955, pp. 47-59, 3 figs. The standard pre-St. Peter geologic column of Missouri, based on residue zones, may be used in Kansas as well as in other Mid-Continent states.


Melton, Frank A., Photo-geology in “flatland” regions of low dip. Shale Shaker, vol. 6, no. 3, November, 1955, pp. 5-8, 11-12, 15-20, 39, 15 pls. Basic assumptions of structural control of drainage patterns and superposition of drainage are shown to underlie successful geological interpretation of aerial photographs.

Merritt, John W., How to avoid costly errors in gamma ray surveying. World Oil, vol. 141, no. 2, August, 1955, pp. 84, 87-88, 90. 2 figs. Radiation equipment can be used successfully in the search for oil, but the operator must use suitable instruments, proper surveying methods, and professional interpretation. (Geological cross-section of area in Kay County).


Miller, C. R., Jr., and Evans, C. B., Porosity determination from microlog and side wall cores. Proc. Fourth Subsurface Geologic Symposium, 1955, pp. 41-48, 6 figs., 2 charts. Oklahoma formations are used to compare porosity from side wall cores and porosity computed from micrologs.


Morrissey, Norman S., 1947—424 days: 1955—144 days . . . that’s how companies have reduced drilling time at Eola. Oil and Gas Journal, vol. 53, no. 44, March 7, 1955, pp. 115-117. A discussion of the complications involved in drilling at Eola, Garvin County, Oklahoma and how complex geology is the answer in explaining many of the difficulties.

Morrissey, Norman S., Acid fracturing puts this field in the black. Oil and Gas Journal, vol. 54, no. 32, December 12, 1955, pp. 82-84, 4 figs., 2 tables. Improvement of drilling and comple-
tion techniques enables the West Short Junction field to be a profitable limestone producer in Oklahoma.

Morrissey, Norman S., Ellenburger... It's a magic world in West Texas. Oil and Gas Journal, vol. 53, no. 35, January 3, 1955, pp. 78-87. Discussion of the oil potential and lithology of the Ellenburger group of West Texas. Compares and correlates Texas and Oklahoma pre-Pennsian rocks.

Morrissey, Norman S., New pay zone for southern Oklahoma. Oil and Gas Journal, vol. 54, no. 5, June 6, 1955, p. 171. Thick porous dolomite zones in the Arbuckle group of southern Oklahoma are untested but potential producers.


Morrissey, Norman S., and McCaslin, John C. This year should be good for Oklahoma... unless new state laws curb deep drilling. Oil and Gas Journal, vol. 53, no. 42, February 21, 1955, pp. 80-81. An outline of the probable areas of deep drilling emphasis in the future if state legislation does not reverse the present trend to deeper drilling in Oklahoma.


Morrissey, Norman S., and Walper, Jack L., Tight folds should harbor more than one oil trap. Oil and Gas Journal, vol. 54, no. 2, May 16, 1955, pp. 192-195, 9 figs. A geological study shows that reverse faults due to horizontal compression can develop from opposite directions. (Eola pool in Garvin County, Oklahoma).

Morrissey, Norman S., and Walper, Jack L., Why subthrust production is promising. Oil and Gas Journal, vol. 54, no. 10, July 11, 1955, pp. 116-118, 4 figs. Outlines the geological data compiled from the Gotebo area and the Eola field, which indicate that the complex trends, along which these others produce, offer many more fields than those already discovered.

Murray, A. N., Growing vegetation identifies formations. World Oil, vol. 141, no. 1, July, 1955, pp. 102-104. Field geologists can be aided by recognizing the relationship between plants and the formations on which they grow.


Oakes, Malcolm C., The upper limit of the Seminole formation in Oklahoma. Okla. Acad. Science, Proc. for 1953, vol. 34, January, 1955, pp. 148-149. The upper limit of the Seminole formation in the south is shown to be the base of the DeNay limestone, in the north, the base of the Checkerboard; however, the Checkerboard and DeNay are not continuous, but occupy virtually the same stratigraphic position.


Potter, Paul Edwin, and Siever, Raymond, Regional crossbedding and petrology as source area indicators. Science, vol. 122, no. 3178, November 25, 1955, pp. 1021-1022, 1 fig. Studies of basal Pennsylvanian sediments from the mid-Continent (basins) and other regions reveal source areas.


Ross, Clarence S., Provenience of pyroclastic materials. Geol. Soc. Amer., Bull., vol. 66, April, 1955, pp. 427-434, 1 fig. Recent studies of rhyolitic and pyroclastic materials and in particular of welded tuffs and bentonites show that they occur over wide areas and in volumes which greatly exceed earlier evaluations.

Roth, Robert, Paleogeology of Panhandle of Texas. Amer. Assoc. Petroleum Geologists, Bull., vol. 39, no. 4, April, 1955, pp. 422-443, 17 figs. Lithologic character and orogenic environment of each time stratigraphic unit are described and
correlated with units in adjacent Oklahoma. The tectonics and sedimentation are also discussed.


Schoff, S. L., Map of ground-water reservoirs of Oklahoma, Okla. Geol. Survey, Map 72-2, 1955, colored, scale 1 to 720,000.


Sloss, L. L., Facies studies...an important tool in oil finding. Oil and Gas Journal, vol. 54, no. 19, Sept. 12, 1955, pp. 111-114, 5 figs. Pennsylvanian sands of Oklahoma are included in a facies study of several rock systems throughout the United States.

Smith, Earl W., Subsurface geology of eastern Kay County, Oklahoma; and southern Cowley County, Kansas. Shale Shaker, vol. 5, no. 9, May, 1955, pp. 5-12, 14-17, 19-21, 24, 11 figs. 1 table. Shale Shaker Digest 1955, pp. 434-448, 11 figs. 1 table.

Stirton, R. A., Two new species of the equid genus Neohippolopon from the middle Paleozoic Chihuahua, Mexico. Jour. Paleontology, vol. 29, no. 5, Sept. 1955, pp. 886-902, 7 text-figs. Two new closely related species of the equid, genus Neohippolopon, N. floresi, N. sp., and N. arielano, N. sp., from the middle Pliocene are described. These species show relationship to Neohippolopon euryostyle (Cope) from the panhandle of Texas and Oklahoma.

Swain, Paul, Natural-gas storage booming. Oil and Gas Journal, vol. 54, no. 2, May 16, 1955, pp. 118-121. Several depleted pools in Oklahoma are among 170 throughout the nation being used for surplus natural gas storage.

account of the circumstances surrounding the current oil 
production from shallow Permian sands in the old Chickasha 
gas field.


Weirich, T. E., Regional diagnosis of oil accumulation. World Oil, vol. 140, no. 7, June, 1955, pp. 180-182, 4 figs. Study of geologic units in eastern Kansas and eastern Oklahoma indicates oil accumulation is restricted to a sedimentary shelf. Concept offers basis for judging regions where no tests have been drilled.


A survey by the Structural Clay Products Institute reveals that thirty-three percent of the one-family houses being built today have brick walls, representing an increase of 14% over last year's figures (Ceramic Age, Dec. 1955). It is hard to beat a good brick home. Twelve brick and tile plants are located in Oklahoma, operating in Creek, Custer, Garfield, Greer, Oklahoma, Pittsburg, Pontotoc, Seminole, and Tulsa Counties.

A.L.B.
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Amsden, T. W., Notes on Parmorphis brownportensis and Isolithus arcuria from the Henryhouse and Brownport formations. Okla. Geology Notes, vol. 16, no. 8 (Aug., 1956), pp. 78-85, 3 figs., 2 tables. Levenia subcarinata (Hall) from the Hara- gan formation is distinguished from Parmorphis brownportensis and Isolithus arcuria found in the Henryhouse and Brownport formations.


Andress, B. O., Southwest Velma stepout scores. Oil and Gas Jour., vol. 54, no. 46 (March 19, 1956), pp. 322, 324-326, 4 figs. New discovery possibilities are increased by new evidence of thrust-faulting west of Southwest Velma oil field, Stephens County, Oklahoma.


Barby, B. G., Subsurface geology of the Pennsylvania and Upper Mississippian of Beaver County, Oklahoma. Shale Shaker, vol. 6, no. 10 (June, 1956), pp. 9-32, 13 figs. Stratigraphic and low-relief structural traps affect Ordovician to Tertiary in the Panhandle.


Branson, C. C., Cyclic formations or mapable units, Okla. Geology Notes, vol. 16, no. 11 (Nov., 1956), pp. 122-126, 1 fig. Correlation chart lists "The Kansas Rock Column" (1951) and new simplified nomenclature of Pennsylvanian and early Permian rocks in Kansas and Oklahoma.

Branson, C. C., Hartshorne formation, early Desmoinesian, Oklahoma. Okla. Geology Notes, vol. 16, no. 9 (Sept., 1956), pp. 93-99, 3 figs., 1 table. It is proposed that beds from base of
Des Moines series (top of Atoka formation where present) to top of Upper Hartshorne coal be referred to as the Hartshorne formation.


Burwell, A. L., Basic magnesium carbonate from dolomite. Okla. Geology Notes, vol. 16, no. 9 (Sept., 1956), pp. 91-92. Reconstituted dolomite (Arbuckle Mountain area) and dolomites from McKenzie Hill formation (Comanche County) may be used as raw material for the Pattison process.


Cline, L. M., Some stratigraphic studies of the Mississippian and Pennsylvanian rocks of the Ouachita Mountains, Oklahoma. Tulsa Geol. Soc. Digest, vol. 24 (1956), pp. 100-106, 1 fig. Stratigraphy of Ouachita Mountains and evidence used in concluding that lower portion of Johns Valley shale and underlying Jackfork group are Mississippian.


Curtis, N. M., Jr., Bromine in brines of the Red Fork-Elarboro sands (Pennsylvanian) in the Seminole area, Oklahoma, Okla. Geology Notes, vol. 16, no. 12 (Dec., 1956), pp. 131-135, 2 figs., 2 tables. Bromine content is listed for brines from 21 oil wells. None of the brines considered a commercial source of bromine.

Curtis, N. M., Jr., Some facts about Oklahoma uranium. Okla. Geology Notes, vol. 16, no. 10 (Oct., 1956), pp. 106-120, 4 figs., 2 tables. Recent discoveries in Oklahoma, services available to people searching for uranium, and regulations affecting uranium search and development.


Edinger, W. M., Five-spot water-flood unit ups production 38,000 barrels. Oil and Gas Jour., vol. 54, no. 69 (Aug. 27, 1956), pp. 82-83, 1 fig., 1 map, 4 tables. Northwest Tryon field in Lincoln County has 23 input wells, 17 producers, and one water-supply well.


Enright, R. J., Wildcatting success secret: play it big. Oil and Gas Jour., vol. 54, no. 59 (June 18, 1956), pp. 130-132, 5 figs. The British American No. 2 Harrison well, in Grady County, is deepest producer in Oklahoma.


Flawn, P. T., Basement rocks of Texas and southwest New Mexico. Bur. Econ. Geol., Univ. Texas, no. 5605 (March 1, 1956), 2 figs., 3 plates, 12 tables, 10 photomicrographs. Tentative correlation chart of Precambrian rocks and discussion of structural events in Texas, southern Oklahoma, and southwest New Mexico. Igneous rocks of Arbuckle and Wichita Mountains are discussed.


Gardner, F. J., Two strikes in McAlester-Arkansas lend wildcatters hopes. Oil and Gas Jour., vol. 54, no. 48 (April 2, 1956), p. 179. Two important gas discoveries indicate good possibilities for oil in pre-Pennsylvanian rocks in McAlester Basin.


anticline. Shale Shaker, vol. 6, no. 9 (May, 1956), pp. 7-30, 4 figs., 5 plates, 2 tables.

Harris, D. G., Meramec and Lower Chester strata of northeastern Oklahoma, southwestern Missouri, and northwestern Arkansas. The Compass, vol. 33, no. 3 (March, 1956), pp. 228-272, 7 figs., 6 tables, 24 measured sections. A study of the paleontology, sedimentation, and stratigraphy of Meramec and Lower Chester strata in area.
Hayes, J. A., Jr., Mississippian production in the Osage. World Oil, vol. 142, no. 2 (Feb., 1956), pp. 85-86, 88, 2 figs. Important quantities of oil in Mississippian cherts and limestones is nucleus of new interest in Osage County, Oklahoma.
Hill, J. R., Geophysical history of the Golden Trend of Oklahoma. Geophysical Case Histories, vol. 2 (1956), pp. 563-574, 8 figs. Isopachous maps were made from geophysical data and pinch out zones were tested in Garvin County Golden Trend area.
Huang, W. T., Novacekite from the Wichita Mountains, Oklahoma, Amer. Mineralogist, vol. 41, no. 1-2 (Jan.-Feb., 1956), pp. 152-153. Specimen from Permian red beds described and compared with description of novacekite from Schneeberg, Saxony.


Hunter, Z. Z., 8½ million extra barrels in 6 years. Oil and Gas Jour., vol. 54, no. 69 (August 27, 1956), pp. 86-89, 4 figs. Account of water-flood method used in the North Burbank unit of Osage County, Oklahoma.


Krumbein, W. C., Regional and local components in facies maps. Amer. Assoc. Petroleum Geologists, Bull., vol. 40, no. 9 (Sept., 1956), pp. 2163-2194, 10 figs. Regional zone of lower Deese in West Brock area, Carter County, Oklahoma, used as example. Method of separating regional effects from local effects on facies maps.

Lasky, B. H., Earth temperatures, alteration studies reflect subsurface structure. World Oil, vol. 143, no. 7 (Dec., 1956), pp. 116-121, 1 fig. Discusses surface mineralization or alteration studies as a means of mapping subsurface structure. Ramsey field area, Payne County, Oklahoma, used as an example.


Morrisey, N. S., Gas reserves increase in new Harper County field. Oil and Gas Jour., vol. 54, no. 61 (July 2, 1956), p. 166, 2 figs. Four separate pay zones discovered south and east of Laverne, Harper County, Oklahoma.

Morrisey, N. S., Cherokee trend stretches out 30 miles. Oil and Gas Jour., vol. 54, no. 53 (May 7, 1956), pp. 176-177, 2 figs., 2 tables. Pay zones and drilling procedures described for recent stratigraphic production in Alfalfa and Grant Counties, Oklahoma.


Murphy, L. M. and Cloud, W. K., United States earthquakes 1954. U. S. Dept. Commerce, Coast and Geodetic Survey, serial no. 795 (1956), pp. 9, 69, 1 table. Four tremors reported with about the same intensities on three successive days (April 11, 12, and 13) in 1954 at Holdenville, Oklahoma.


Oakes, M. C., The Hogshooter formation in Creek County, Oklahoma. Okla. Acad. Sci. Proc., vol. 35 (1956), p. 90. Earlier mapping of Hogshooter formation in Creek County is substantially correct and unit may be correlated with the Hogshooter in Okfuskee County, Oklahoma.

Oklahoma Geological Survey, Geology along the Turner Turnpike. Guide Book IV (April, 1956), pp. 1-76, 3 figs., 7 plates, 2 stratigraphic subsurface sections. Contains road log and strip map (3 inches to mile), Tulsa to Oklahoma City, topographic and geologic profile, historical sites, and oil and gas fields.


Stair, Ralph, Tektites and the lost planet. Sci. Monthly, vol. 83, no. 1 (July, 1956), pp. 3-12, 12 figs., 1 table. Tektites (glassy meteorites) may aid in a better understanding of earth's origin. One specimen is from Delhi, Beckham County, Oklahoma.


Taaffe, Francis, Published papers on Oklahoma geology in the year 1955. Okla. Geology Notes, vol. 16, nos. 5-6 (May-June, 1956), pp. 43-55. Annotated bibliography.


Tanner, W. F., Superposed streams of the Arbuckle Mountains. Shale Shaker, vol. 6, no. 6 (Feb., 1956), pp. 14-15, 1 fig. Radial stream pattern in the Arbuckle Mountains of southern Oklahoma suggests that the uplift was formerly covered by a thick blanket of sediments, perhaps Cretaceous.


Thomas, N. O. and Harbeck, G. E., Jr., U.S. Geol. Survey, Water supply Paper 1398-A (1956), pp. 1-99, 3 figs., 2 tables, 1 map. Descriptive data: reservoirs in Oklahoma with capacity of 5,000 acre-feet or more of water; natural lakes with usable capacity of 5,000 acre-feet or more; reservoirs and lakes completed as of January 1, 1954; reservoirs under construction.


Westby, G. H., The discovery by reflection seismograph of a small producing structure in Okmulgee County, Oklahoma. Geophysical Case Histories, Vol. II (1956), pp. 425-438, 9 figs. Refined geophysical methods were needed to find geologic structure having less than 50 feet of closure.


Wilson, L. R. and Hoffmeister, W. S., Plant microfossils of the Croweburg coal. Okla. Geol. Survey, Circ. 32 (1956), pp. 1-56, 4 figs., 3 tables, 5 plates. Fossil spores and leaf cuticles from nine localities in northeastern Oklahoma are described and statistically treated for stratigraphic correlation.

Winland, H. D., Insoluble residue study and correlation of the Arbuckle group in southern Oklahoma, Shale Shaker, vol. 6, no. 5 (Jan., 1956), pp. 7-22, 8 figs. Section of Arbuckle group in Murray and Carter Counties measured and correlated with section of Arbuckle group in northeastern Kiowa County. Correlation based on insoluble residue and differential thermal analyses.


ADDITIONS TO BIBLIOGRAPHY OF OKLAHOMA GEOLOGY, 1956

ANONYMOUS PUBLICATIONS


Panhandle Area Reference Book. Rinehart Oil News Co., P. O. Box 1208, Dallas, Texas (1956), pp. 1-300.


Anonymous, Susie confirmed a conviction. Oil and Gas Jour., vol. 54, no. 3 (Sept. 24, 1956), pp. 88-89, 1 fig. Sinclair No. 1 Susie, 6 miles northwest of Apache field, Caddo County, Oklahoma, produces from Bromide.


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5. Amsden, T. W., Catalog of Middle and Upper Ordovician fossils. Okla. Geol. Survey, Circ. 43 (1957), pp. 1-41. List of described and/or illustrated Middle and Upper Ordovician fossils from Oklahoma, author of original description, and bibliography (Oklahoma specimens).


11. Barrett, Ed and Culp, E. F., Bois d'Arc pay spurs limestone exploration. Part II. Oil and Gas Jour., vol. 55, no. 23 (June 10, 1957), pp. 172-177, 2 figs., 3 tables, 8 plates. Fields with Bois d'Arc limestone production divided into 3 classes dependent on location relative to line of regional truncation. Data for fields: areal extent, discovery well and data, type of trap, etc.


(27) Branson, C. C., Rejected Oklahoma stratigraphic names. Okla. Geology Notes, vol. 17, no. 11 (Nov., 1957), pp. 106-108. List of Oklahoma units which have been given names already used elsewhere and replacement name in cases where such replacements have been made.


(45) Coldwell, A. E., Importance of channel erosion as a source of sediment. Amer. Geophysical Union, Trans., vol. 38, no. 6 (Dec., 1957), pp. 908-912, 2 figs. Gaging stations near Pauls Valley and Durwood, Washita River, Oklahoma used to illustrate channel erosion as a source of sediment.


(49) Damon, P. E. and Kulp, J. L., Determination of radiogenic helium in zircon by stable isotope dilution technique. Amer. Geophysical Union, Trans., vol. 38, no. 6 (Dec., 1957), pp. 945-953, 3 figs., 5 tables. Apparent age for several Oklahoma zircons. Exact location not given but samples are probably from the Wichita Mountains.


(57) Elias, M. K., Late Mississippian fauna from the Redoak Hollow formation of southern Oklahoma. Part 3. Pelecypod Jour. Paleontology, vol. 31, no. 4 (July, 1957), pp. 757-784, 1 text-fig., 9 plates, 6 tables. New genus Eoplateopus and new subgenus Springeria are introduced, and 37 species and subspecies are described, 17 of which are new. Morphology and taxonomic status of 13 genera are discussed.

(58) Forgoisone, J. M., Jr., Stratigraphy of Comanchean Cretaceous Trinity group. Amer. Assoc. Petroleum Geologists, Bull., vol. 41, no. 10 (Oct., 1957), pp. 2328-2363, 9 figs. Author considers that there is no Paluxy in Oklahoma and that the Walnut formation in Oklahoma is the lateral equivalent of Paluxy formation in Texas.


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Compiled by Neville M. Curtis, Jr.


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ADDEDA TO PUBLISHED PAPERS ON OKLAHOMA GEOLOGY IN THE YEAR 1959
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Compiled by Neville M. Curtis, Jr.

Branson, C. E., 1959, Regional relationships of Ouachita Mississippian and Pennsylvanian rocks: Geology of the Ouachita Mountains, Symposium: Dallas and Ardmore Geol. Societies, p. 118-121, 1 correlation chart. Discussion of the clastic, abnormally thick Mississippian and Morrowan section exposed in the Ouachita Mountain area.


Decker, C. E., 1956, Correlation of Lower Paleozoic formations of the Arbuckle and Ouachita areas as indicated by grapholite zones: Geology of the Ouachita Mountains, Symposium: Dallas and Ardmore Geol. Societies, p. 92-96, 1 table.


Flawn, P. T., 1959, The Ouachita structural belt: Geology of the Ouachita Mountains, Symposium: Dallas and Ardmore Geol. Societies, p. 20-29, 1 map. Discusses tectonics, foreland elements, development of geosyncline, age of deformation, and comparison with Appalachian system.

Goldstein, August, Jr., 1959, Petrography of Paleozoic sandstones from the Ouachita Mountains of Oklahoma and Arkansas: Geology of the Ouachita Mountains, Symposium: Dallas and Ardmore Geol. Societies, p. 97-116, 1 fig., 3 pls.

Ham, W. E., 1959, Correlation of pre-Stanley strata in the Arbuckle-Ouachita Mountain Regions: Geology of the Ouachita Mountains, Symposium: Dallas and Ardmore Geol. Societies, p. 71-86, 1 fig., 1 table. Correlation of pre-Stanley stratigraphic units (based on review of literature), geosynclinal aspects of Arbuckle and Ouachita regions, and depth to Precambrian in McCurtain County, Oklahoma.

Hartman, R. F., 1959, Age classification of the upper Pushmataha series in the Ouachita Mountains: Geology of the Ouachita Mountains, Symposium: Dallas and Ardmore Geol. Societies, p. 130-139, 4 figs. Particularly concerned with the age assignment of the Johns Valley shales and discussion of various "bouldery" shales.

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Branan, C. B., Jr., and Jordan, Louise, 1960a, Recent exploration in the Arkoma basin and Ouachita province, southeastern Oklahoma: Okla. Geology Notes, vol. 20, no. 6, p. 140-147, 1 fig. History of petroleum production in area.

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