

LIST OF THE SPHAERIIDAE KNOWN FROM OKLAHOMA

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Few parts of the United States are less poorly known, as regards sphaeriid clams, than Oklahoma. There have been no concentrated efforts to make extensive collections in this state, primarily because of the difficulty in effecting diagnoses. Herrington's (1962) heuristic work has at least partially alleviated this stumbling block.

In the list that follows, all known published records are included, with several new sites being recorded. Specimens in the Stovall Museum, University of Oklahoma, are followed by the accession numbers of that museum. I wish to thank Dr. Carl D. Riggs, Director, Oklahoma Biological Survey, for making these specimens available.

Genus *Sphaerium*

Previous records: "Oklahoma City" (Ferriss, 1906).

Sphaerium striatinum Lamarck

Previous records: Chikaskia R., Tonkawa, Kay Co., (as *S. simile* Say) (Baker, 1915); Bar M Local Fauna (Illinoian, Pleistocene), Harper Co. (Taylor and Hibbard, 1955; Herrington and Taylor, 1958); Caddo Local Fauna (Pleistocene), Canadian Co. (Branson, Taylor and Taylor, 1962).

New records: 1 live, Sand Cr., Osage Hills State Park, Osage Co., 27:VIII:1963; 4 live, Gates Cr., Fort Towson, Choctaw Co., 29:V:

1948; 1 live, Lake Carl Blackwell, Payne Co., 16:VIII:1946; 2 live, 1.5 mi. above mouth Mt. Fork R., McCurtain Co., 24:VII:1960; 1 live, Blue R., Connorville, Johnston Co., 9:VII:1961; 1 valve, Pennington Cr., U. S. Fish Hatchery, Tishimingo, Johnston Co., OU No. 1084, 12:VII:1955; 1 valve, North Fork, Red R., near Carter, Beckham Co., OU No. 1127, 3:IV:1955; 10 live, cr., 10 mi. west of east border, Beaver Co., 28:V:1953.

Sphaerium transversum (Say)

Previous records: Red Rock Cr., near Billings, Noble Co. (Walker, 1915); Shoofly Cr., Williston, Grant Co. (Baker, 1915); "Oklahoma" (Herrington, 1962); Caddo Local Fauna (Pleistocene), Canadian and Caddo counties (Branson, Taylor and Taylor, 1962).

New records: 55 live (some with embryos), Blue R., Connorsville, Johnston Co., 3:VI and 20:VII:1961; 1 live, large farm pond, east of Highway 99, south Madill, Marshall Co., 28:VII:1961; 5 live, Hickory Cr., 4 mi. west Univ. Okla. Biol. Sta., Willis, Marshall Co., 29:VI:1961; 8 live, Sand Cr., Osage Hills State Park, Osage Co., 27:VIII:1963; very abundant, Briar Cr., Lake Texoma, Marshall Co., 20:VII:1960; 19 live, Pennington Cr., U. S. Fish Hatchery, Tishimingo, Johnston Co., OU No. 1123, 12:VII:1955; 4 valves, small cr., 3.3 mi. north Jet, Highway 69, Mayes Co., OU No. 768,

26:III:1949; 1 live and 1 valve, Gates Cr., Fort Towson, Choctaw Co., 16:VIII:1946; 2 dead, small cr., 416 mi. north junction of highways 283 and 60, Ellis Co., OU No. 908, 7:VII:1948.

Sphaerium partumeium (Say)

Previous records: Chikaskia R., Tonkawa, Kay Co. (Baker, 1915); "Oklahoma" (Herrington, 1962).

New records: 3 dead, Sand Cr., Osage Hills State Park, Osage Co., 27:VIII:1963; 5 dead and 1 valve, 1 mi. west of east border, Highway 5, Cotton Co., 20:III:1953; 1 dead, pond, 2 mi. north Stillwater, Payne Co., 1:VIII:1953; 4 live, Stillwater Cr., Noble Co., 15:IX:1958; 58 live, Boomer Cr., Stillwater, Payne Co., 3:V:1952; 29 live, Blue R., Connorville, Johnston Co., 29:VI:1960; 1 live, Muddy Boggy Cr., 1 mi. north Jessie, Pontotoc Co., 28:VI:1960; 3 live, Pennington Cr., 5 mi. north Tishimingo, Johnston Co., 18:VII:1958; small cr., 1.3 west of eastern edge, Cherokee Co., Highway 62, OU No. 895, no date; cr., 3.25 south, 0.75 east Tom, McCurtain Co., 23:VI:1948; 5 dead, Bluff Cr., Grant Co., OU No. 1245, Aug., 1911; 3 live, 0.8 mi. south Jay, Delaware Co., OU No. 2, 6:IV:1945.

Sphaerium lavernense Herrington

Previous records: known only from Laverne Formation (Pliocene), Beaver Co. (Herrington and Taylor, 1958).

Sphaerium hibbardi Herrington

Previous records: known only from Laverne Formation (Pliocene), Beaver Co. (Herrington and Taylor, 1958).

Sphaerium securis Prime

Previous records: none.

New records: 7 live, 6 mi. above mouth, Mt. Fork R., McCurtain Co., 16:IX:1955.

Genus *Pisidium*

Previous records: "Oklahoma City" (Ferriss, 1906); backwater swamps, near mouth, Mt. Fork R., McCurtain Co., summer, 1961 (Branson,

1963).

New records: 3 live, Lake Carl Blackwell, Payne Co., 16:VIII:1953.

Pisidium casertanum (Poli)

Previous records: Blue Cr., Wichita Mts., Comanche Co. (as *P. friersoni* Sterki) (Walker, 1915); Laverne Formation (Pliocene) (as *P. abditum* Haldeman and *P. noveboracense* Prime, Leonard and Franzen, 1944) (Taylor, 1960); Bar M Local Fauna (Pleistocene), Harper Co. (Taylor and Hibbard, 1955; Herrington and Taylor, 1958); Caddo Local Fauna (Pleistocene), Canadian and Caddo counties (Branson, Taylor and Taylor, 1962); "Oklahoma" (Herrington, 1962).

New records: 4 live (1 with 6 embryos), Blue R., Connorville, Johnston Co., 21:VI:1961.

Pisidium compressum Prime

Previous records: Bar M Local Fauna (Pleistocene), Harper Co. (Taylor and Hibbard, 1955; Herrington and Taylor, 1958); Caddo Local Fauna (Pleistocene), Canadian Co. (Branson, Taylor and Taylor, 1962).

New records: 61 live, Casche Cr., 1.5 mi. east Walters, Cotton Co., 14:VI:1961.

Pisidium nitidum Jenyns

Previous records: Bar M Local Fauna (Pleistocene), Harper Co. (Taylor and Hibbard, 1955; Herrington and Taylor, 1958); Caddo Local Fauna (Pleistocene) (Branson, Taylor and Taylor, 1962).

Genus *Eupera*

Eupera singleyi Pilsbry

Previous record: 30 live, Briar Cr., near Willis, Marshall Co., 10:VII:1961 (Branson, in press).

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