

Branson

SNAIL RECORDS FROM VARIOUS SOUTHERN,
EASTERN AND MIDDLE STATES

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During the last several years, various records have accumulated in my catalogs which are probably of some interest to students of molluscan distribution. Several of the species reported below are either scarce or are of limited range, and hence the whereabouts of such specimens should be recorded. The figures in parentheses represent the number of each species collected.

ARKANSAS

A. Two miles north of Cincinnati, Washington County. July 4, 1960.

Mesodon zaletus (Binney) (1). Diameter 23.0, height 16.0 mm, whorls 5 7/8.

B. Gum Springs, Mt. Nebo State Park, Yell County. October 8, 1957.

Mesomphix friabilis (Binney) (2). Diameter 21.5, height 15.0, diameter of umbilicus 2.5 mm.

C. White River, 10 miles northeast of Fayetteville. May 16, 1959.

Ferrissia rivularis (Say) (1). Length 5.2, width 3.5 mm. The form most often recorded as *F. tarda* (Say) in Arkansas and Oklahoma. -- Basch (1963) placed the name in the synonymy of *F. rivularis*.

D. Small, unnamed spring, 5.3 miles west of Rogers on the main highway. May 16, 1964.

Physa virgata Gould (2). If Taylor (1966) is correct in relegating *P. anatina* Lea to the synonymy of this species, and I believe he is, this is possibly one of the most widely ranging mollusks in North America.

Helisoma trivolvis Say (3).

Ferrissia rivularis (12). Length 4.5-6.0, width 3.0-4.0 mm.

Mudalia potosiensis (Lea) (3). There is a slight indication of banding on the body whorl, similar to the condition seen in specimens from Texas County, Missouri (Jones and Branson, 1964).

ILLINOIS

Spoon River, east of Galesburg; collector H. R. Howard, but no additional information.

Viviparus contectoides W. G. Binney (121). Height 18.0 - 34.0, diameter 15.0 - 25.0 mm, whorls 4 1/4 - 5 1/3.

Lioplax subcarinata (Say) (2). Height 14.0, diameter 10.5, whorls 4 1/2.

Somatogyrus subglobosus Tryon (4). Height 6.5 - 7.1, diameter 5.8 - 6.3 mm, whorls 4 1/5 - 4 1/4.

Helisoma trivolvis (1).

Gastrocopta contracta (Say) (1).
Quadrula quadrula (Rafinesque) (1).
Carunculina parva (Barnes) (3).
Sphaerium transversum (Say) (1).
Mesodon clausus (Say) (1).

FLORIDA

A. Islamodora Key, 21 miles south of John Pennekamp State Park; collector Ray Schaaf. December 28, 1967.

Polygyra cereolus (Mühlfeld) (3). Diameter 7.5 - 8.6, height 3.5 - 4.0 mm., whorls 5½ - 6.0.

Drycaeus multilineatus (Say) (1). Length 24.0, spire length 14.2, aperture length 9.8 mm, whorls nearly 7.

Subulina octona (Bruguière) (10). Length 11.5 - 14.8 mm, whorls 7½ - 9.

Chondropoma dentatum (Say) (1). Length 12.5, diameter 5.9 mm, remaining whorls 4½.

B. Ichtucknee Springs, Columbia County. August 18, 1961.

Euglandina rosea (Férussac) (1).

Pomacea paludosa (Say) (5).

Notogillia wetherbyi (Dall) (2).

Goniobasis (Oxytrema) floridensis (Reeve) (84).

Campeloma geniculum (Conrad) (3).

Helisoma duryi (Wetherby) (3).

GEORGIA

A. Benton, August 14, 1961.

Euglandina rosea (1).

Ventridens demissus (Binney) (1).

B. Twelve miles north of Clayton on Warwoman Road, Morsingill Creek crossing. August 21, 1961.

Ventridens demissus (1).

Mesodon inflectus (Say) (1).

ALABAMA

Shoal Creek, Chocolocco Wildlife Refuge, Claburn County. August 20, 1961.

Pleurocera (Oxytrema) alveare (Conrad) (191).

Ninety of these shells, collected near

the point where Goodrich (1934) collected, were bandless, whereas the remaining 101 possessed bands.

OHIO

Shawnee Forest, Adams County; collector Edd Baker. July 5, 1968.

Phylomycus carolinianus (Bosc) (2). Typical specimens with the double row of black dashes down the back.

LOUISIANA

Watermeter housing, Shreveport. June 12, 1963.

Deroceras laeve (Müller) (2). Contracted length 11.0 - 16.0 mm.

Limax flavus (Linné) (6). Contracted length 25.0 - 38.0 mm.

Polygyra texasiana (Moricand) (5). Diameter 8.0 - 8.9, height 3.7 - 5.0 mm, whorls 5 - 5 1/3.

TENNESSEE

A. Ten miles northwest of Ripley, near Cold Creek, base of Chisholm Bluff, Lauderdale County; collector M.E. Sisk. November 26, 1964.

Triodopsis fraudulenta (Pilsbry) (1). Diameter 13.3, height 6.5 mm, whorls 5½.

Mesodon thyroidus (Say) (1). Diameter 25.5, height 16.2 mm, whorls 5 1/3.

B. Junglebrook Nature Trail, near old Gristmill, about 2,000 feet mean sea level. Great Smoky Mountains National Park.

Pallifera wetherbyi (Binney) (1). Contracted length 49.1 mm, width of sole 7.8 mm. This specimen differs little from ones found in the vicinity of Cumberland Falls, Kentucky. The ground color is rusty in life fading to pale gray in alcohol; the sole is granular. A grayish, median band occurs between the anterior tentacles and it broadens out over the mouth. Anteriorly, on the back, there is a double row of dark brown blotches which coalesce posteriorly to form a continuous single band. The lateral surface of the mantle

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bears a series of diagonal dashes of the same color, and the interspaces between them are profusely marbled with small brown blotches and lines. As I have indicated elsewhere (Branson and Batch, 1968), there is a rather distinct molluscan relationship between the Smokies and Pine Mountain, Kentucky, where *P. wetherbyi* is common. This find further substantiates my conclusions.

- Stenotrema pilula* (Pilsbry) (1).
Mesodon ferrissi (Pilsbry) (1). Diameter 16.5, height 9.0 mm, whorls 5.
Triodopsis albolabris (1).
Mesomphix vulgatus (Baker) (1).
Mesomphix andrewsae (Pilsbry) (4). Diameter 16.0 - 19.8, height 8.0 - 10.0 mm, width of spire 7.0 - 9.5 mm, width of body whorl 6.0 - 8.0 mm, whorls 4 2/3 - 5.
Ventridens acerra (3).

C. Clingman's Dome, Great Smoky Mountains National Park. April 12, 1967.

- Ventridens acerra* (18).
Mesomphix andrewsae (1). Diameter 14.3, height 7.5 mm, width of spire 6.3 mm, width of body whorl 6.5 mm, height of aperture 6 mm, width of aperture 8.5 mm, whorls 4 1/3.
Haplotrema concavum kendeighi (Webb) (1). Diameter 6.5, height 3.3 mm diameter of umbilicus 2.3 mm, whorls 3 1/4. Habricht (1956) considers this a distinct species, but I have found too much local variation to concur.

Stenotrema depilatum (4). Diameter 9.6 - 10.0, height 6.9 - 8.5 mm, whorls 5 2/3 - 6 1/3.

- Mesodon ferrissi* (2).
Triodopsis multilineata (Say) (1). Another species which Branson and Batch (*loc. cit.*) recently reported from Pine Mountain, Kentucky. The Smokies and the Pine Mountain region probably served as refugia during the glacial period, hence such mollusks represent relicts.

D. Spruce-fir self-guiding nature trail, about 6,000 feet elevation, off road to Clingman's Dome. April 12, 1967.

- Vitrinizonites latissimus* (Lewis) (6). Greatest diameter 7.4 - 16.5, height 4.0 - 9.0 mm whorls 2 - 2 7/8.

Stenotrema depilatum (Pilsbry) (2). Diameter 10.5 - 10.6, height 7.5 mm, whorls 5 2/3 - 6.

Pallifera dorsalis (Binney) (1). Contracted length 20.8, width of sole 2.3 mm.

E. Powell River, near Hwrrogate, U. S. Highway 25 E crossing, Claiborne County. July 21, 1968.

- Ferrissia rivularis* (2).
Pleurocera uncialis (Haldeman) (37).
Anculosa praerosa (Say) (117).

Io fluviatilis (Say) (5). These specimens were collected from a stretch of the river which, according to Adams (1915), possesses 'spinose undetermined shells.' In the headwaters of the Powell, the form was termed *I. fluviatilis lyttonensis* by Adams, whereas in the lower ends of the Holston and French Broad rivers, and in the Tennessee itself, the form is *I. f. loudonensis* Adams. The five shells reported here are more like Adams' (*loc. cit.*) *loudonensis*, but, since the area is a known transition zone (Goodrich, 1937), they may be intergrades between *lyttonensis* of the Upper Powell and *I. fluviatilis brevis* (Anthony) of the middle and lower Clinch River. The collecting site is not far from the point of confluence between the two streams.

- Quadrula cylindrica* (Say) (1).
Cyclonaias tuberculata (Rafinesque) (1).
Cyprogenia irrorata (Lea) (1).
Dysnomia brevidens (Lea) (1 female, 1 male).
Lasmigona costata (Rafinesque) (1).
Actinonaias carinata (Barnes) (1).
Lastena lata (Rafinesque) (1).

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