

SOME SHELLS OF MISSISSIPPI AND ALABAMA.

BY A. A. HINKLEY.

(Concluded from August Number, p. 44.)

Family UNIONIDÆ.

- Truncilla triquetra* Raf. Tennessee river, Florence, Ala.
Truncilla brevidens Lea. Tennessee river, Florence, Ala.
Truncilla sulcata Lea. Tennessee river, Florence, Ala.
Truncilla haysiana Lea. Tennessee river, Florence, Ala.
Truncilla propinqua Lea. Tennessee river, Florence, Ala.
Truncilla personata Say. Tennessee river, Florence, Ala.
Truncilla biemarginata Lea. Tennessee river, Florence, Ala.
Truncilla florentina Lea. Tennessee river, Florence, Ala.
Truncilla perplexa Lea. Tennessee river, Florence, Ala.
Truncilla turgidula Lea. Shoal creek, Florence, Ala.
Micromya cælata Conrad. Tennessee river, Florence, Ala.
Lampsilis excavatus Lea. Tallahatchie, Big Black and Tombigbee rivers and Floating creek, Columbus, Miss.
Lampsilis ovatus Say. Tennessee river, Florence, Ala.
Lampsilis multiradiatus Lea. Tennessee river, Florence, Ala.
Lampsilis biangulatus Lea. Tennessee river, Florence, Ala.
Lampsilis hydianus Lea. Tallahatchie, Yalabusha, Big Black and Tombigbee rivers.
Lampsilis affinis Lea. Tombigbee river and Floating creek, Columbus, Miss.
Lampsilis orbiculatus Hildreth. Tennessee river, Florence, Ala.
Lampsilis anodontoides Lea. Tombigbee river, Columbus, Miss., and Yalabusha and Tennessee rivers.
Lampsilis fallaciosus Simpson. Tallahatchie, Yalabusha and Big Black rivers in Mississippi.
Lampsilis rectus Lamarek. Tombigbee and Tennessee rivers.
Lampsilis lineosus Conrad. Tallahatchie, Big Black and Tombigbee rivers.
Lampsilis concestator Lea. Yalabusha river, Grenada, Miss.
Lampsilis ogeecheensis Conrad. Tombigbee river, Columbus, Miss.

- Lampsilis ap*
Lampsilis tra
Lampsilis pa
Lampsilis cro
Lampsilis ala
Lampsilis pu
 Big Black river
Lampsilis gra
Lampsilis lep
 specimena.
Lampsilis clai
Medionidus c
 creek, Columbus
Medionidus sul
Obovaria retus
Obovaria tinke
Obovaria unico
 Tombigbee river
Obovaria allip
Obovaria casta
 Tombigbee river.
Plagiola securis
Plagiola elegan
Plagiola donaci
 Tombigbee and Te
Petozonia tubi
 Black and Tombig
 found with purple.
Cyprigona irror
Obliquaria reflex
Ptychobranchius pi
Hexemus dromus
Strophitus spillm
Strophitus tomib
Strophitus elliatii
Strophitus schaff
Anodontu grandis
Accidentis confrag
 etc etc.

- Lampsilis apicinus* Lea. Tombigbee river, Columbus, Miss.
Lampsilis trabalis Conrad. Tennessee river. One specimen.
Lampsilis parvus Barnes. Tombigbee river, Columbus, Miss.
Lampsilis cromwellii Lea. Yalabusha river, Grenada, Miss.
Lampsilis alatus Say. Tombigbee and Tennessee rivers.
Lampsilis purpuratus Lamarck. Tallahatchie, Yalabusha and Big Black rivers.
Lampsilis gracilis Barnes. All the rivers visited.
Lampsilis leptodon Rafinesque. Tennessee river. Two poor specimens.
Lampsilis claibornensis Lea. Floating creek, Columbus, Miss.
Medionidus acutissimus Lea. Tombigbee river and Floating creek, Columbus, Miss.
Medionidus subtentus Say. Tennessee river, Florence, Ala.
Obovaria retusa Lamarck. Tennessee river, Florence, Ala.
Obovaria tinkeri Wright. Yalabusha river, Grenada, Miss.
Obovaria unicolor Lea. Tallahatchie, Yalabusha, Big Black and Tombigbee rivers, very plenty in the last stream at Columbus, Miss.
Obovaria ellipsis Lea. Tennessee river, Florence, Ala.
Obovaria castanea Lea. Tallahatchie, Yalabusha, Big Black and Tombigbee rivers.
Plagiola securis Lea. Tombigbee and Tennessee rivers.
Plagiola elegans Lea. Tennessee river, Florence, Ala.
Plagiola donaciformis Lea. Tallahatchie, Yalabusha, Big Black, Tombigbee and Tennessee rivers.
Tritogonia tuberculata Barnes. Tallahatchie, Yalabusha, Big Black and Tombigbee rivers. In the Black a few specimens were found with purple nacre.
Cyprogena irrorata Lea. Tennessee river, Florence, Ala.
Obliquaria reflexa Rafinesque. Tombigbee and Tennessee rivers.
Ptychobranchus phaseolus Hildreth. Tennessee river, Florence, Ala.
Dromus dromus Lea. Tennessee river, Florence, Ala.
Strophitus spillmanii Lea. Yalabusha river, Grenada, Miss.
Strophitus tombigbeensis Lea. Tombigbee river, Columbus, Miss.
Strophitus elliotii Lea. Tallahatchie river, Abbeville, Miss.
Strophitus schaffermanus Lea. Tennessee river, Florence, Ala.
Anodonta grandis Say. Tallahatchie and Yalabusha rivers.
Arcidens confragosus Say. Yalabusha, Big Black and Tombigbee rivers.

AND ALABAMA.

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ver, Florence, Ala.

er, Florence, Ala.

river, Florence, Ala.

er, Florence, Ala.

er, Florence, Ala.

Florence, Ala.

ver, Florence, Ala.

Big Black and Tombigbee

Florence, Ala.

river, Florence, Ala.

river, Florence, Ala.

, Yalabusha, Big Black

er and Floating creek,

see river, Florence, Ala.

river, Columbus, Miss.,

chie, Yalabusha and Big

and Tennessee rivers.

e, Big Black and Tom-

ver, Grenada, Miss.

igbee river, Columbus,

Symphynota costata Rafinesque. Tennessee river. Only dead and poor ones found.

Symphynota complanata Barnes. Tombigbee river, Columbus, Miss.

Margaritana monodonta Say. Tennessee river. Large numbers were piled up by rocks, logs and in places on the river bank, where the musk rats had opened them. The living ones were plentiful under rocks in the shallow water, as many as two hundred being found under one slab.

Unio gibbosus Barnes. Tombigbee and Tennessee rivers.

Unio crassidens Lam. Tombigbee and Tennessee rivers.

Unio aretatus Conrad. Tombigbee river, Columbus, Miss.

Unio tetralasmus geometricus Lea. Yalabusha river, Grenada, and a mill near Durant, Miss.

Pleurobema holstonensis Lea. Tennessee river, Florence, Ala.

Pleurobema edgariana Lea. Tennessee river, Florence, Ala.

Pleurobema tumescens Lea. Tennessee river, Florence, Ala.

Pleurobema dolabelloides Lea. Tennessee river, Florence, Ala.

Pleurobema decisa Lea. Tombigbee river, Columbus, Miss.

Pleurobema curta Lea. Big Black and Tombigbee rivers.

Pleurobema taitiana Lea. Tombigbee river near Boligee, Ala.

Pleurobema nux Lea. Tombigbee river, Columbus, Miss.

Pleurobema bulbosa Lea. Tombigbee river, Columbus, Miss.

Pleurobema nuculopses Conrad. Tombigbee river, Columbus, Miss.

Pleurobema aesopus Green. Tennessee river, Florence, Ala.

Quadrula asper Lea. Tallahatchie, Yalabusha, Big Black and Tombigbee rivers.

Quadrula plicata Say. Tennessee river, Florence, Ala.

Quadrula perplicata Conrad. Yalabusha and Black rivers.

Quadrula latecostata Lea. Tombigbee river, Columbus, Miss.

Quadrula heros Say. Tallahatchie, Yalabusha and Tennessee rivers.

Quadrula trapezoides Lea. Yalabusha, Big Black and Tombigbee rivers.

Quadrula cylindrica Say. Tennessee river, Florence, Ala.

Quadrula metanevra Raf. Tombigbee and Tennessee rivers. Common in both streams.

Quadrula intermedia Conrad. Tennessee river.

Quadrula stapes Lea. Tombigbee river, Columbus, Miss.

Quadrula rumphi
Quadrula pustula
Tombigbee and Tallahatchie and Big Black rivers.

Quadrula rubiginosa

Quadrula cerina

Quadrula hebetata

Quadrula rubida

Quadrula obliqua

Quadrula solida

Quadrula plena I

Quadrula pyramidalis

Quadrula subrotunda

Quadrula ebena

Quadrula granifera

Lymnaea danieli sp.

Shell elongated,

color very light yellow.

Growth lines

near the aperture

obscurely marked; s-

perforated, spermaceti

covered, slowly in-

creased, longer

than wide, often a little

irregular, bordered by

muscle, parietal wall

of the shell and al-

ternate, axis gyrate.

Length of aperture

length 2.5, bread

- Quadrula rumphiana* Lea. Tombigbee river near Boligee, Ala.
Quadrula pustulosa Lea. Tallahatchie, Yalabusha, Big Black, Tombigbee and Tennessee rivers. Those from the Yalabusha, Tallahatchie and Big Black have few pustules, and occasionally one is smooth.
Quadrula rubiginosa Lea. Tallahatchie river, Abbeville, Miss.
Quadrula cerina Conrad. Yalabusha and Tombigbee rivers.
Quadrula hebetata Conrad. Big Black river, Durant, Miss.
Quadrula rubida Lea. Big Black river, Durant, Miss.
Quadrula obliqua Lamarck. Tennessee river, Florence, Ala.
Quadrula solida Lea. Tennessee river, Florence, Ala.
Quadrula plena Lea. Tombigbee and Tennessee rivers.
Quadrula pyramidata Lea. Tennessee river, Florence, Ala.
Quadrula subrotundus Lea. Tennessee river, Florence, Ala.
Quadrula ebenus Lea. Tombigbee and Tennessee rivers. Common.
Quadrula granifera Lea. Tennessee river, Florence, Ala.

LYMNÆA DANIELSI SP. NOV.

BY FRANK COLLINS BAKER.

Lymnæa danielisi sp. nov.

Shell elongated, attenuated, of medium thickness; color ranging from very light-yellowish horn to dark chestnut or purple; surface shining, growth lines generally fine and close-set, but occasionally, near the aperture, coarse and often raised into ridges; last whorl often malleated; spiral sculpture of fine impressed lines; apex smooth, spermaceti-white in color; whorls 7, flat sided or slightly convex, slowly increasing in diameter; spire long and sharply attenuated, longer than the aperture; sutures impressed; aperture ovate, often a little triangular, somewhat flaring; peristome sharp, simple, bordered by a dark purple or chocolate band in many specimens; parietal wall with a thin callus, generally closely appressed to the shell and almost closing the umbilical region, leaving a small crack; axis gyrate as in *sfagnalis*, forming a heavy, ascending plait; interior of aperture varying from white to dark purple.

Length 28.5, breadth 12, aperture length 14, breadth 6.5 mm.