

## The four subspecies of *Pleurocera troostiana* (Lea 1838), with synonymy.

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### 1. *Pleurocera troostiana troostiana* (Lea 1838). Figures 1, 2, 3 & 4.

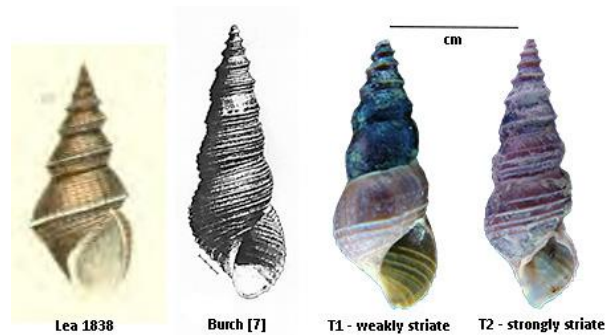


Figure 1. *P. troostiana troostiana*.

Type locality: Mossy Creek at the Old Andrew Johnson Highway Bridge, Jefferson County, TN.  
36.1272, -83.4862.

Ref: On the Trail of Professor Troost [[6Dec19](#)]

- *Melania teres* Lea 1841. Figure 2.  
Type locality: "Small streams of Walden Ridge, TN, flowing eastward" (Goodrich, 1940)  
Ref: The Many Faces of Professor Troost [[7Jan20](#)]

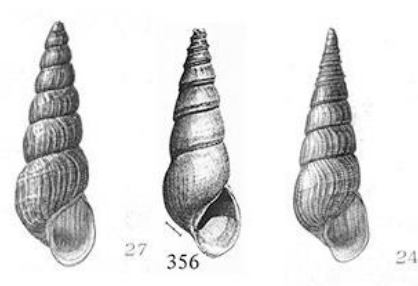


Figure 2. *teres* (Lea 1841), *teres* (Burch), *strigosa* (Lea 1841)

- *Melania strigosa* Lea 1841. Figures 2 & 3.  
Type locality: Little Flat Creek at the Emory Road bridge, Knox County, TN. 36.1411, -83.7961.  
Ref: The Many Faces of Professor Troost [[7Jan20](#)]

- *Melania striatula* Lea 1841 (Probable). Figure 3.  
 Typical locality: Coahulla Creek at the National Fish Hatchery, Whitfield County, GA. 34.9731, -84.9505.  
 Ref: The Many Faces of Professor Troost [[7Jan20](#)]
- *Melania arachnoidea* Anthony 1854. Figure 3.  
 Type locality: Steekee Creek at the corporate limit of Loudon, Loudon County, TN. 35.7242, -84.3473.  
 Ref: The Many Faces of Professor Troost [[7Jan20](#)]

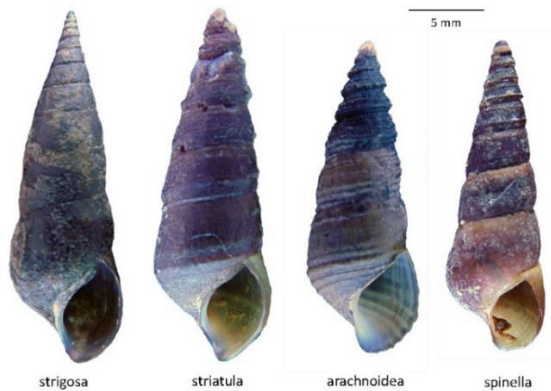


Figure 3. Synonyms of *P. troostiana troostiana*.

- *Goniobasis spinella* Lea 1862. Figure 3.  
 Type locality: Little Sycamore Creek at the Estes Road Bridge, Sycamore Hill, Claiborne County, TN. 36.4534, -83.5076.  
 Ref: The Many Faces of Professor Troost [[7Jan20](#)]
- *Goniobasis porrecta* Lea 1863b. Figure 4.
- *Goniobasis vittatella* Lea 1863b. Figure 4.  
 Type locality: Gap Creek in the town of Cumberland Gap, Claiborne Co, TN. 36.6004, -83.6683.  
 Ref: Yankees at The Gap [[4Aug19](#)]

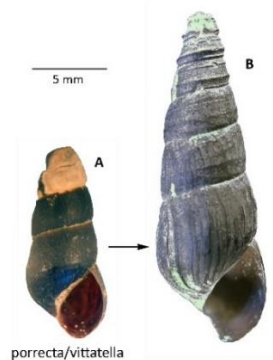


Figure 4. Synonyms of *P. troostiana troostiana* (cont.)

2. *Pleurocera troostiana edgariana* (Lea 1841). Figure 5.



Figure 5. *Pleurocera troostiana edgariana*

Type locality: Caney Fork at the TN 264 bridge, Smith County, TN. 36.1816, -85.9081.

Ref: What is *Melania edgariana*? [5June20]

3. *Pleurocera troostiana perstriata* (Lea 1853). Figures 6, 7, and 8.

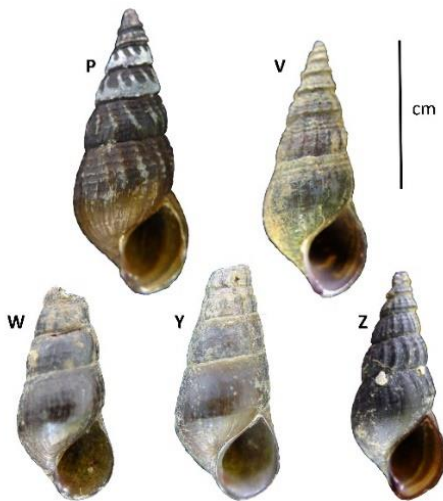


Figure 6. *Pleurocera troostiana perstriata*

Type locality: Big Spring outfall, Huntsville, Madison County, AL. 34.7246, -86.5915.

Ref: Huntsville Hunt [15Apr20]

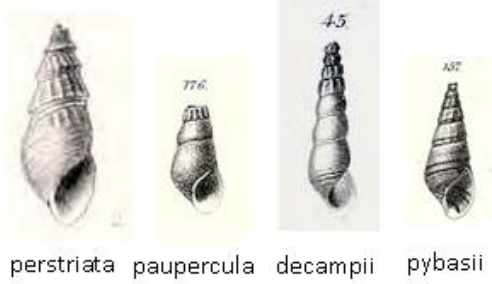


Figure 7. *perstriata* (Lea 1853) and synonyms (1863a, 1866).

- *Goniobasis pybasii* Lea 1862. Figures 7 & 8.  
Type locality: Newsom Springs at the Rattlesnake Saloon, Colbert County, AL. 34.6481, -87.9076.  
Ref: A House Divided [10May20]
- *Goniobasis paupercula* Lea 1862. Figures 7 & 8.  
Type locality: Lipscomb Spring, Morgan County, AL. 34.5241, -86.6013.  
Ref: A House Divided [10May20]
- *Goniobasis decampii* Lea 1863b. Figure 7.  
Type locality: "Huntsville, AL" (Lea 1866)  
Ref: A House Divided [10May20]

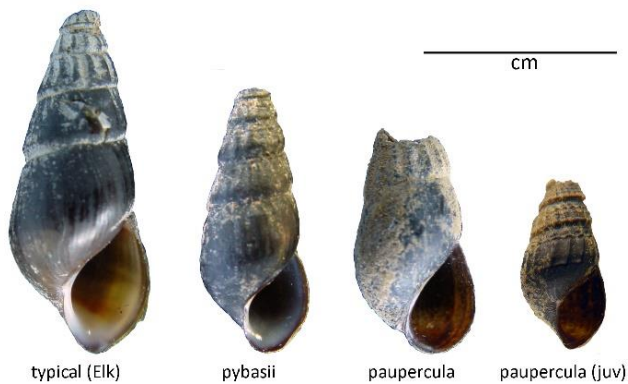


Figure 8. *Pleurocera troostiana perstriata*.

#### 4. *Pleurocera troostiana lyonii* (Lea 1862). Figure 9.

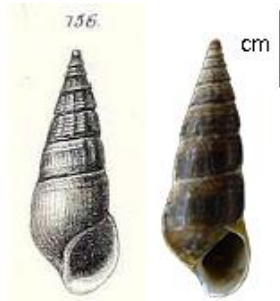


Figure 9. *Pleurocera troostiana lyonii* (Lea 1863a)

Type locality: Trib. of Big Run Branch, 5 km W of Leitchfield, Grayson County, KY. 37.5029, -86.3411.

Ref: The Return of Captain Lyon [6July20]

- *Goniobasis curryana lyoni* (Lea 1862)  
Type locality: Spring Fork Creek, Grayson County, KY (Bickel 1968)  
Ref: The Return of Captain Lyon [6July20]

#### Literature Cited

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1866. Lea, Isaac. New Unionidae, Melanidae, etc. chiefly of the United States. *Journal of the Academy of Natural Sciences of Philadelphia (New Series)* 6: 113 – 187.