

or obscure on both valves; concentric sculpture feeble and irregular; a fortuitous radial lineation frequently developed on the left valve, most obvious on the decorticated shell; ligament pit profound; anterior cardinal prominent, the posterior not developed; an incipient pallial sinus usually developed.

BOTHROCORBULA Gabb.¹

Type.—*Bothrocorbula viminea* Guppy (Miocene of the Bowden beds of Jamaica).

Shell moderately large and heavy, transversely ovate in outline, slightly inequivalve, acutely rostrate posteriorly; a coarse concentric corrugation and an inconstant radial striation developed on both valves; deep lunular depression in front of the umbones, the characteristic feature of the group; hinge heavy but otherwise normal.

LAND SHELLS FROM AROUND FOUL RIFT, DELAWARE RIVER

BY E. G. VANATTA

During July and August, 1925 and 1926, Mr. James B. Clark collected the following species of land shells along both sides of a section of the Delaware River known as Foul Rift. It is interesting to note the presence of *Guppya sterkii* Dall in this region, also a specimen of *Polygyra tridentata* Say with two parietal teeth.

The following species were taken in Northampton County, Pennsylvania, near Foul Rift, N. J.:

<i>Polygyra albolabris</i> Say	<i>Gastrocopta contracta</i> Say
<i>Polygyra thyroides</i> Say	<i>Gastrocopta pentodon</i> Say
<i>Polygyra tridentata juxtidentens</i>	<i>Gastrocopta corticaria</i> Say
Pils.	<i>Vertigo gouldi</i> Binn.
<i>Polygyra hirsuta</i> Say	<i>Cochlicopa lubrica</i> Müll.
<i>Polygyra fraterna</i> Say	<i>Polita hammonis</i> Ström

¹Gabb, Wm. M.: Proc. Academy Natural Sciences Philadelphia, p. 274, 1872.

Polita indentata Say
Euconulus fulvus Drap.
Guppya sterkii Dall
Pseudohyalina minuscula
 Binn.
Zonitoides arborea Say

Gastrodonta suppressa Say
Anguispira alternata Say
Helicodiscus parallelus Say
Punctum pygmæum Drap.
Succinea ovalis Say
Carychium exile Lea.

At Foul Rift, Warren County, New Jersey, Mr. Clark found the species listed below. The *Polygyra albolabris* Say from this place are rather small.

Polygyra albolabris Say
Polygyra thyroides Say
Polygyra tridentata juxtidentens
 Pils.
Polygyra hirsuta Say
Polygyra fraterna Say
Gastrocopta armifera Say
Gastrocopta contracta Say
Gastrocopta pentodon Say
Omphalina cuprea Raf.
Euconulus fulvus Drap.

Guppya sterkii Dall
Pseudohyalina minuscula
 Binn.
Zonitoides arborea Say
Striatura milium Morse
Anguispira alternata Say
Helicodiscus parallelus Say
Punctum pygmæum Drap.
Succinea avara Say
Succinea retusa Lea var.
Carychium exile Lea.

On Scott's Mountain, Pohatcong Mountains, Warren County, New Jersey (about 9 miles S. S.-E. of Belvidere) the following forms were collected:

Polygyra albolabris Say
Polygyra thyroides Say
Polygyra tridentata juxtidentens
 Pils.
Polygyra hirsuta Say
Polygyra fraterna Say
Gastrodonta suppressa Say

Polita hammonis Ström
Polita indentata Say
Zonitoides arborea Say
Striatura milium Morse
Punctum pygmæum Drap.
Carychium exile Lea.



Vanatta, E. G. 1926. "Land shells from around Foul Rift, Delaware River." *The Nautilus* 40, 47–48.

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