

## A NEW ECPHORA OF THE CHESAPEAKE MIOCENE.

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*Ecphora parvicostata* n. sp. Fig. 1.

The shell is shaped like the more globose forms of *Ecphora quadricostata* (Say); the umbilicus moderate, rapidly contracting inward, not so ample as in *E. q. umbilicata* (Wagner). The last whorl has four very low, narrow spiral ribs; the surface above the upper rib slopes upward to the suture, immediately below which it is a little swollen. The spiral ribs are stronger on the spire, where two are

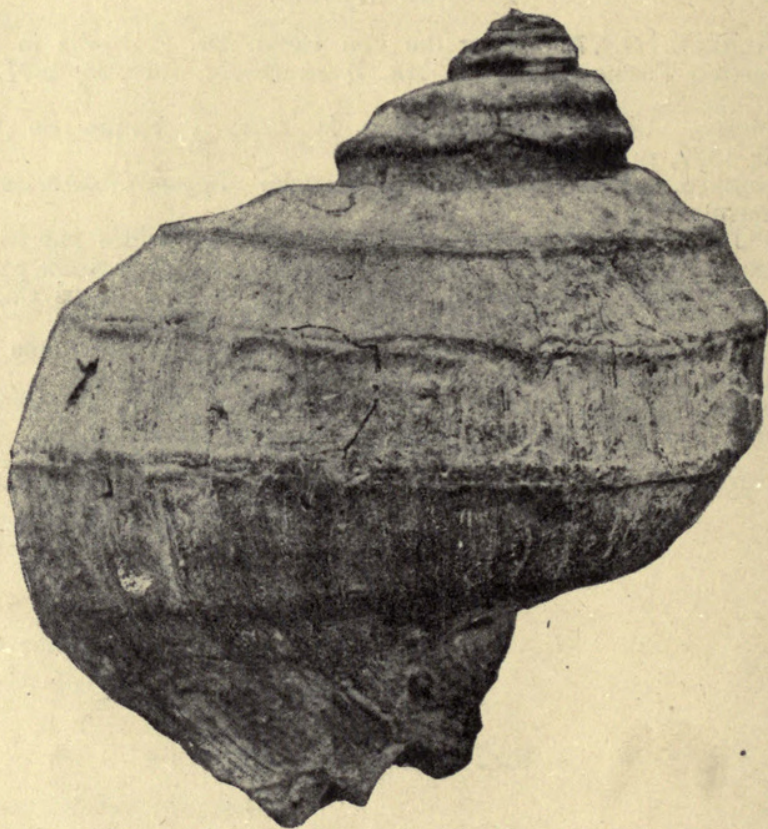


Fig. 1.—*Ecphora parvicostata*, natural size.

exposed, the suture revolving on the third. Between the ribs there are irregular growth-wrinkles, but no spiral striae.

Length 82, diam. 70 mm. (apical whorls wanting).

Three specimens of this form were found in a tray together with *Ecphora quadricostata umbilicata* (Wagner) and *E. tricostata* Martin,



in the Museum of the Academy, labelled "*Ecphora quadricostata*, Maryland." The former of these occurs in various beds of the Choptank formation, the latter in the underlying Calvert formation, so that no more definite locality and horizon can be given than Chesapeake Miocene.

While all of the *Ecphoras* are variable shells, yet in the large series in the collection of the Academy this species seems detached from those hitherto defined<sup>1</sup> by the extreme weakness of the ribs in the adult stage and the sloping shoulder. The types of *E. parvicostata* are No. 1,514, A. N. S. P., collector unknown.

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<sup>1</sup> See *Maryland Geological Survey, Miocene*, pp. 207-211, 1904.



Pilsbry, Henry Augustus. 1911. "A New Ecphora of the Chesapeake Miocene." *Proceedings of the Academy of Natural Sciences of Philadelphia* 63, 438-439.

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