

TEREBRA (ACUS) CURVILINEATA, new species. | 31

CURVILINEATA

DALL 1895

Fol

Shell acute-conic, solid, with 12 to 14 moderately convex whorls; early whorls more flatsided, with numerous narrow, transverse, slightly waved riblets, extending from suture to suture, with about equal interspaces; suture very distinct; sutural band formed by a vaguely limited constriction, not a groove; a short distance in front of the suture the ends of the ribs thus delimited from the rest have a tendency to coronate the whorl; on the later whorls the ribs become less regular and somewhat less prominent; aperture longer than wide; outer lip simple; pillar elongated, twisted, smooth; siphonal fasciole very distinct. Longitude, 27; maximum diameter, 9.5 mm. in a specimen of 14 whorls.

*Habitat*.—Older Miocene of Jericho, New Jersey, and Easton, Maryland, Burns and Harris. The specimens from Maryland are larger and in better preservation than those found in New Jersey.

*Types*.—Nos. 106952, 111648, U. S. N. M.

The name *curvilineata*, by a typographical error, appears in Meek's Miocene check list for *T. curvilirata*, Conrad, a species from St. Mary's River, Maryland; but it has never been applied to any described species from our Tertiary heretofore. The species has something in common with the more rugose specimens of *T. (Hastula) simplex*, Conrad, but is perfectly distinct. DALL P. U. S. NAT. MUSEUM 1895 p. 36

TEREBRA (ACUS) CURVILINEATA Dall.

Plate XL, Figs. ~~3, 4, 5, 6, 7~~. (VAR.)

*Terebra curvilirata* Heilprin, 1887, Proc. Acad. Nat. Sci. Phila., vol. xxxix, p. 399.

*Terebra simplex*, small var. Harris, 1893, Amer. Jour. Sci., ser. iii, vol. xlv, p. 24.

*Terebra curvilineata* Whitfield, 1894, Mon. xxiv, U. S. Geol. Survey, p. 113, pl. xx, figs. 14-17. (In part.)

*Terebra (Acus) curvilineata* Dall, 1895, Proc. U. S. Nat. Museum, vol. xviii, p. 36.

Not *Terebra (Acus) curvilineata* Meek.

*Description*.—"Shell acute-conic, solid, with 12 to 14 moderately convex whorls; early whorls more flatsided, with numerous narrow, transverse, slightly waved riblets extending from suture to suture, with about equal interspaces; suture very distinct; sutural band formed by a vaguely limited constriction, not a groove; a short distance in front of the suture the ends of the ribs thus delimited from the rest have a tendency to coronate the whorl; on the later whorls the ribs become less regular and somewhat less prominent; aperture longer than wide; outer lip simple; pillar elongated, twisted, smooth; siphonal fasciole very distinct. Longitude, 27; maximum diameter, 9.5 mm. in a specimen of 14 whorls." Dall, 1895.

The range of variation covered by Dr. Dall's type specimens (which include Whitfield's) and by his description is very considerable and several varieties may safely be recognized.

The name "*Terebra curvilineata*" first appeared as the result of a misprint, being used by Meek in his "Check List" for *T. curvilirata* Conrad. Whitfield then used the name for the New Jersey forms, ignorant both that Conrad's name was not "*curvilineata*" and that his own specimens were not the same as Conrad's. Whitfield's specimens belong to the varieties *whitfieldi* and *dalli* as here established. Heilprin had already listed the New Jersey forms as *curvilirata* Conrad. A year after Whitfield's paper appeared Dall described the species *curvilineata* as new, basing it upon Whitfield's figured specimens together with material from Greensboro which is here placed in the variety *dalli*. Associated at Plum Point with the varieties above mentioned is a third, below named *calvertensis*, which is as closely related to *dalli* and *whitfieldi* as they are to each other. MARTIN G. C. 1904 p. 39