

5. *Euchitonia lanceolata*, n. sp. (Pl. 43, fig. 9).

Distance between the paired arms about one and a third times as large as their distance from the odd arm. All three arms nearly of the same size and form, three times as long as broad, lanceolate, much broader in the middle part than at both ends; distal end cuspidate, but not spiny. Patagium incomplete, with convex chamber-rows, envelops about two-thirds of the arms.

*Dimensions*.—Radius of all three arms 0.18, greatest breadth (in the width) 0.06.

*Habitat*.—North Atlantic, Station 353, depth 2965 fathoms.

6. *Euchitonia zittelii*, Haeckel.

*Stylactis zittelii*, Stöhr, 1880, Palæontogr., vol. xxvi. p. 112, Taf. v. fig. 8.

Distance between the paired arms about one-fifth as large as their distance from the odd arm. All three arms nearly of the same size and form, in the proximal half thinner and nearly square, in the distal half thicker and circular; the latter half twice to three times as broad as the former. Patagium incomplete, with convex chamber-rows, envelops only the proximal square half of the arms.

*Dimensions*.—Radius of all three arms 0.15, basal breadth 0.03, terminal breadth 0.08.

*Habitat*.—Fossil in Tertiary rocks of Sicily, Grotte, Stöhr.

7. *Euchitonia stöhrii*, n. sp. (Pl. 43, fig. 12).

Distance between the paired arms about four-fifths as large as their distance from the odd arm, which is one and a half times as long as the former. Arms about three times as long as broad, twice as broad in the distal half as in the proximal half, with rounded blunt ends. Patagium complete, with concave chamber-rows, enveloping the whole shell, also the ends of the arms.

*Dimensions*.—Radius of the paired arms 0.2, of the odd arm 0.25; basal breadth 0.03, distal breadth 0.06.

*Habitat*.—Fossil in the rocks of Barbados and of Nicobar Islands, Haeckel.

8. *Euchitonia beckmannii*, Haeckel.

*Euchitonia beckmannii*, Haeckel, 1862, Monogr. d. Radiol., p. 505, Taf. xxxi. fig. 1.

Distance between the paired arms scarcely half as large as their distance from the odd arm, which is somewhat larger. Each arm with six simple broad chambers (without radial septa), the terminal chambers semilunar, convex, blunt, four times as broad as the first (basal) chamber. Patagium incomplete, with convex chamber-rows, enveloping the arms with exception of the broad blunt terminal face.

*Dimensions*.—Radius of the paired arms 0.15, of the odd arm 0.18; basal breadth 0.02 to 0.03, terminal breadth 0.1 to 0.15.

*Habitat*.—Mediterranean (Messina), Haeckel, surface.