

blunt convex end as broad as at the base. Patagium incomplete, with concave chamber-rows and irregular network, only enveloping the basal half of the arms.

*Dimensions.*—Radius of all three arms 0·15, basal breadth of each arm 0·04, terminal breadth 0·06.

*Habitat.*—North Pacific, Californian Sea, depth 2600 fathoms, Ehrenberg.

## 2. *Euchitonia mülleri*, Haeckel.

*Euchitonia mülleri*, Haeckel, 1862, Monogr. d. Radiol., p. 508, Taf. xxx. figs. 5–10.

*Euchitonia mülleri*, Stöhr, 1880, Palæontogr., vol. xxvi. p. 110, Taf. v. fig. 5.

Distance between the paired arms about two-thirds as large as their distance from the odd arm, which is somewhat larger. Length of the arms equals two and a half times the breadth of the blunt convex end or five times the breadth of the base. Patagium with concave chamber-rows, nearly complete, enveloping the arms with exception of the terminal face. (This common species is very variable; compare my Monograph.)

*Dimensions.*—Radius of all three arms 0·16 to 0·22, basal breadth 0·03 to 0·05, terminal breadth 0·06 to 0·08.

*Habitat.*—Cosmopolitan; one of the most common *Discoidæa* in all seas, on the surface as well as at different depths; also fossil in the Tertiary rocks of Barbados and Sicily.

## 3. *Euchitonia triangulum*, Haeckel.

*Stylactis triangulum*, Ehrenberg, 1872, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 320; Abhandl. d. k. Akad. d. Wiss. Berlin, Taf. viii. fig. 9.

*Stylactis triangulum*, Stöhr, 1880, Palæontogr., vol. xxvi. p. 113, Taf. vi. fig. 2.

Distance between the paired arms about two-thirds as large as their distance from the odd arm. All three arms nearly of the same size and form, about one and a half times as long as broad, nearly as broad at the base as at the blunt rounded end. Patagium incomplete, with convex chamber-rows, enveloping about two-thirds of the arms.

*Dimensions.*—Radius of all three arms 0·15, basal breadth 0·05, terminal breadth 0·06.

*Habitat.*—Pacific and Atlantic, Stations 253, 272, 354, surface; also fossil in the Tertiary rocks of Barbados and Sicily.

## 4. *Euchitonia cruciata*, Stöhr.

*Euchitonia cruciata*, Stöhr, 1880, Palæontogr., vol. xxvi. p. 111, Taf. v. fig. 7.

Distance between the paired arms about one and a half times as large as their distance from the odd arm, which is a little larger. Length of the arm nearly equals twice the breadth, which is the same at the base and at the rounded blunt ends. Patagium incomplete, with concave chamber-rows, enveloping only the base of the arms, and forms between them three other smaller arms; therefore the whole shell forms six angles with six alternating arms.

*Dimensions.*—Radius of all three arms 0·15, basal breadth 0·05.

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