

shells, two extracapsular or cortical shells; the distance between the former and the latter is greater than the distance between either the two inner or the two outer shells. In some cases, however (e.g., *Cromyomma zonaster*), the distance between all four shells is equal.

Subgenus 1. *Cromyommetta*, Haeckel.

*Definition*.—Pores of the outer cortical shell regular, of nearly equal size and similar form.

1. *Cromyomma villosum*, n. sp. (Pl. 30, fig. 2).

Radial proportion of the four spheres = 1 : 2 : 4 : 5. Outer cortical shell thick walled, densely covered with innumerable bristle-shaped radial spines, half as long as the radius. Pores regular, circular, double-edged, of the same breadth as the bars; ten to twelve on the radius. The thick outer shell is so dark, that the outlines only of the other three shells can be seen.

*Dimensions*.—Diameter of the four shells—(A) outer cortical shell 0·2, (B) inner cortical shell 0·16, (C) outer medullary shell 0·08, (D) inner medullary shell 0·04; pores and bars of the outer shell 0·008; length of the spines 0·04.

*Habitat*.—Central Pacific, Station 267, depth 2700 fathoms.

2. *Cromyomma zonaster*, Haeckel.

*Acanthosphæra zonaster*, Ehrenberg, 1872, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 285, Taf. ii. fig. 2.

Radial proportion of the four spheres = 2 : 3 : 4 : 5. Outer cortical shell thick walled, densely covered with numerous bristle-shaped radial spines, as long as the radius. Pores regular, circular, twice as broad as the bars; eight to ten on the radius. The thick outer shell is so dark, that the outlines only of the other three shells can be seen.

*Dimensions*.—Diameter of the four shells—(A) 0·15, (B) 0·12, (C) 0·09, (D) 0·06; pores of the outer shell 0·01, bars 0·005; length of the spines 0·08.

*Habitat*.—Arctic Ocean, Greenland (depth 1000 fathoms), "Alert" Expedition.

3. *Cromyomma perplexum*, Stöhr.

*Cromyomma perplexum*, Stöhr, 1880, Palæontogr., vol. xxvi. p. 95, Taf. iii. fig. 5.

Radial proportion of the four spheres = 1 : 2 : 3 : 4. Outer cortical shell thick walled, densely covered with short conical spines, as long as the diameter of the pores. These are regular, circular, three times as broad as the bars; six to eight on the radius. The thick outer shell is so dark, that the outlines only of the three other shells can be seen.

*Dimensions*.—Diameter of the four shells—(A) 0·17, (B) 0·013, (C) 0·087, (D) 0·043; pores of the outer shell 0·015, bars 0·005; length of the spines 0·02.

*Habitat*.—Fossil in the Tertiary rocks of Sicily (Grotte) Stöhr.