

Subgenus 4. *Hexalonchusa*, Haeckel.

*Definition.*—Pores of the cortical shell irregular, of different size or form; surface covered with numerous conical or bristle-shaped, radial by-spines.

22. *Hexalonche philosophica*, n. sp. (Pl. 22, fig. 4).

Cortical shell thin walled, covered with short conical spines, three times as broad as the medullary shell. Pores irregular polygonal, or more roundish, twice to six times as broad as the bars; six to eight on the radius. Inner shell of the same structure, pores three times smaller, connected with the outer by six very thin radial beams, which are prolonged outside into six strong, triangular pyramidal spines, as long as the radius. (Similar to *Hexaloncheanaximandri*, Pl. 22, fig. 5, but different in the irregular network and the shorter by-spines.)

*Dimensions.*—Diameter of the outer shell 0·11, pores 0·005 to 0·015, bars 0·0025; inner shell 0·04; length of the spines 0·06, breadth 0·02.

*Habitat.*—North Atlantic, Færøe Channel, John Murray; Iceland, Krabbe, surface.

23. *Hexalonche seleuci*, n. sp.

Cortical shell thick walled, covered with numerous short, bristle-shaped spines. Pores of very different size and form, and of a peculiar, subregular disposition, similar to those of *Hexalonchegeometrica* (though in this case more regular). Each of the six triangular main spines (which reach nearly the length of the radius) is surrounded at the base by three small roundish pores, and these are further supplemented by a coronal of six very large polygonal pores; the six coronals are separated by irregular rows of smaller pores. Inner shell equal to one-third of the outer. Six main spines pyramidal, as long as the radius.

*Dimensions.*—Diameter of the outer shell 0·16, larger pores 0·03 to 0·04, smaller pores 0·01 to 0·02, bars 0·05 to 0·01; inner shell 0·05; length of the spines 0·08, basal breadth 0·03.

*Habitat.*—North Atlantic, Station 354, surface.

24. *Hexalonche sexaculeata*, Haeckel.

*Haliomma sexaculeatum*, Stöhr, 1880, Palæontogr., vol. xxvi. p. 87, Taf. i. fig. 8.

Cortical shell thick walled, twice as broad as the medullary shell, and covered with short conical spines. Pores irregular polygonal (mostly hexagonal), twice to three times as broad as the bars; six to eight on the radius. Six spines triangular-pyramidal (not quadrangular), somewhat longer than the radius of the shell.

*Dimensions.*—Diameter of the outer shell 0·11, pores 0·06 to 0·08, bars 0·03; inner shell 0·06; length of the spines 0·07, basal breadth 0·015.

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