

7. *Actinomma denticulatum*, n. sp. (Pl. 29, fig. 3).

Cortical shell thick walled, with regular, circular, double-edged pores, twice as broad as the bars. Forty to fifty radial spines, three-sided pyramidal, half as long as the radius, with three elegantly denticulated edges. Radial proportion of the three spheres = 1:2:5. (Differs from *Haliomma denticulatum* only in the double medullary shell and larger size.)

*Dimensions*.—Diameter of the outer shell 0.14, middle 0.06, inner 0.03; cortical pores 0.01, bars 0.005; length of the spines 0.04, basal breadth 0.01.

*Habitat*.—Central Pacific, Station 271, depth 2425 fathoms.

8. *Actinomma trinacrium*, Haeckel.

*Actinomma trinacrium*, Haeckel, 1862, Monogr. d. Radiol., p. 441, Taf. xxiv. figs. 6–8.

*Haliomma trinacrium*, Haeckel, 1860, Monatsber. d. k. preuss. Akad. d. Wiss. Berlin, p. 815.

Cortical shell as well as both medullary shells thin walled, with subregular, circular pores, twice as broad as the bars. Radial proportion of the three spheres = 1:3:9; radial beams between them twenty, prolonged outside into strong, three-sided pyramidal spines, as long as the radius; between them, on the surface, numerous similar spines. Sometimes the latter remain smaller, the pores more irregular, and then this species corresponds to *Echinomma trinacrium*.

*Dimensions*.—Diameter of the outer shell 0.09, middle 0.03, inner 0.01; cortical pores 0.008, bars 0.004; length of the spines 0.04, basal breadth 0.01.

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

9. *Actinomma pachyderma*, n. sp. (Pl. 29, figs. 4, 5).

Cortical shell very thick walled, with regular, circular, double-edged pores, twice as broad as the bars. Both medullary shells with simple, small, circular pores, of the same breadth as the bars. Radial proportion of the three spheres = 1:2:4; radial spines about twenty, conical, shorter than the radius, prolonged inside into twenty very thin connecting beams (fig. 4).

*Dimensions*.—Diameter of the outer shell 0.08, middle 0.04, inner 0.02; cortical pores 0.01, bars 0.005; length of the spines 0.03, basal breadth 0.01.

*Habitat*.—South Pacific, Station 297, depth 1775 fathoms.

Subgenus 3. *Actinommilla*, Haeckel.

*Definition*.—Pores of the cortical shell irregular, of different size and form; spines over the entire surface (commonly one spine at each nodal-point).

10. *Actinomma spinigerum*, Stöhr.

*Actinomma spinigerum*, Stöhr, 1880, Palaeontogr., vol. xxvi. p. 92, Taf. ii. fig. 10.

Cortical shell thick walled, with irregular, roundish, or subcircular pores, twice to four times as broad as the bars. Radial proportion of the three spheres = 1:3:8; between them eight (?) con-