

1. *Stauracantium cruciferum*, n. sp.

Cortical shell thin walled, smooth, with regular, hexagonal pores, four times as broad as the bars; eight to ten on the quadrant. Radial proportion of the three spheres = 1:3:9. Connecting radial beams between them six (opposite in pairs in the three dimensive axes), but only four of them are prolonged outside into four stout three-sided prismatic spines, lying in one equatorial plane, as long as the shell diameter.

*Dimensions*.—Diameter of the outer shell 0.22, middle 0.07, inner 0.025; cortical pores 0.012, bars 0.003; length of the spines 0.2.

*Habitat*.—Central Pacific, Station 268, depth 2900 fathoms.

2. *Stauracantium tetracanthum*, Haeckel.

*Haliomma tetracanthum*, Ehrenberg, 1872, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 295, Taf. x. figs. 7, 8.

Cortical shell thin walled, smooth, with regular, circular pores, three times as broad as the bars; five to six on the quadrant. Radial proportion of the three spheres = 1:3:12. Radial spines three-sided pyramidal, about as long as the shell diameter.

*Dimensions*.—Diameter of the outer shell 0.12, middle 0.03, inner 0.01; cortical pores 0.01, bars 0.003; length of the spines 0.1.

*Habitat*.—Indian Ocean, Zanzibar, depth 2200 fathoms, Pullen.

3. *Stauracantium tetracontium*, Haeckel.

*Actinomma tetracanthum*, Stöhr, 1880, Palæontogr. 26, p. 91, Taf. ii. fig. 6.

Cortical shell thin walled, rough, with regular, circular pores, of the same breadth as the bars; six to seven on the quadrant. Radial proportion of the three spheres = 1:2.5:8. Radial spines three-sided pyramidal, nearly as long as the shell diameter.

*Dimensions*.—Diameter of the outer shell 0.1, middle 0.03, inner 0.013; cortical pores and bars 0.006; length of the spines 0.08.

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

Subgenus 2. *Stauracantellium*, Haeckel.

*Definition*.—Pores of the cortical shell regular, and of nearly equal size and similar form; surface covered with numerous small thorns or by-spines.

4. *Stauracantium daturæforme*, Haeckel.

*Actinomma daturæforme*, Stöhr, 1880, Palæontogr. 26, p. 93, Taf. ii. fig. 13.

Cortical shell thick walled, covered with short thorns, and with regular, hexagonal pores, five times as broad as the bars; six to seven on the quadrant. Radial proportion of the three spheres = 1:3:3.5. Radial spines six-sided pyramidal, about half as long as the radius and one-fourth as broad.