

The genus *Staurancistra* differs from its ancestral form, *Staurolonche*, in the ramification of the four crossed spines.

1. *Staurancistra quadricuspis*, n. sp.

Cortical shell thin walled, with rough, thorny surface, and irregular, roundish pores, twice to four times as broad as the bars; six to eight on the quadrant. Medullary shell one-third as large, with regular, circular pores; connected with the cortical shell by four crossed radial beams. These are prolonged outside into four strong three-sided prismatic spines, nearly as long as the shell diameter, each having three curved branches below the distal end. (Similar to *Hexancistra quadricuspis*, Pl. 22, fig. 11, but with only four spines.)

Dimensions.—Diameter of the cortical shell 0.16, of the medullary shell 0.05; pores of the former 0.06 to 0.012, bars 0.003; length of the spines 0.14, breadth 0.012.

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

Genus 65. *Staurolonchidium*,¹ n. gen.

Definition.—*Staurosphærida* with two concentric lattice-spheres and four crossed simple spines which are disposed in two different pairs, two opposite being larger than the other two.

The genus *Staurolonchidium* has arisen from *Staurolonche* by the stronger growth of the two opposite spines, the other two remaining stationary; both spines of each pair equal.

1. *Staurolonchidium artioscelides*, n. sp.

Cortical shell thin walled, with smooth surface, three times as broad as the medullary shell. Pores regular, circular, hexagonally framed, twice as broad as the bars; eight to ten on the quadrant. Four radial spines three-sided pyramidal, as broad as one mesh; two opposite larger spines three times as long as the two smaller, which are about equal to the radius.

Dimensions.—Diameter of the cortical shell 0.16, medullary shell 0.05; pores of the former 0.012, bars 0.006; length of the major spines 0.24, minor 0.08.

Habitat.—Central Pacific, Station 265, surface.

2. *Staurolonchidium perspicuum*, Haeckel.

Haliomma perspicuum, Ehrenberg, 1875, Abhandl. d. k. Akad. d. Wiss. Berlin, p. 74, Taf. xxix. fig. 1.

Cortical shell thin walled, covered with small conical by-spines, five times as broad as the medullary shell. Pores regular, circular, eight times as broad as the bars; three to four on the quadrant. Four radial spines three-sided pyramidal, scarcely one-third as broad as one mesh; two opposite larger spines four times as long as the two smaller, which are about equal to half the radius.

¹ *Staurolonchidium* = Diminutive from *Staurolonche*.