

The genus *Tholoma* (Pl. 10, figs. 10, 13) differs from the preceding *Tholostaurus* (its probable ancestral form) only in the duplication of the shell. The outer (secondary) shell has the same cross-form as the inner (primary) shell. In the two observed species the growth seems to be different, in the first species all four cupolas of each cross being of the same size, form, and age; in the second two opposite cupolas, larger and apparently older than the other two. *Tholoma* is possibly the offspring of *Staurotholonium*, from which it may have been produced by loss of the medullary shell.

Subgenus 1. *Tholomantha*, Haeckel.

Definition.—Surface of the shell smooth, without radial spines.

1. *Tholoma quadrigeminum*, n. sp. (Pl. 10, fig. 10).

All four chambers in each cortical shell nearly equal, subregular. Surface smooth, without radial spines. Structure of the network in both shells similar. Pores regular, circular, twice as broad as the bars; six to eight in the basal semicircle of one inner, ten to twelve in the semicircle of one outer cupola.

Dimensions.—Diameter of the outer shell 0·14, of the inner 0·09; pores 0·006, bars 0·003.

Habitat.—South Pacific, Station 302, surface.

Subgenus 2. *Tholomura*, Haeckel.

Definition.—Surface of the shell with radial spines.

2. *Tholoma metallasson*,¹ n. sp. (Pl. 10, fig. 13).

Two opposite chambers in each cortical shell larger than the two others; the larger chambers of the inner shell corresponding to the smaller chambers of the outer shell. Network in both shells of the same structure, regular, with circular, hexagonally framed pores of the same breadth as the bars; eight to ten in the semicircle of an inner, fourteen to sixteen in the semicircle of an outer cupola. Numerous (twenty to thirty or more) thin, cylindrical, bristle-shaped, long radial spines, symmetrically disposed.

Dimensions.—Major axis of the outer shell 0·26, minor axis 0·2; major axis of the inner shell 0·16, minor axis 0·13; pores and bars 0·006.

Habitat.—Pacific, central area, Station 265, depth 2900 fathoms.

Genus 295. *Staurotholus*,² n. gen.

Definition.—Tholonida with simple cortical shell (without external veil), composed of four hemispherical cupolas in cross-form, opposite in pairs on the poles of

¹ Alternating, μεταλλάσσων.

² *Staurotholus* = Cupolas cross-wise disposed; σταυρός, θόλος.