

Subfamily 3. CUBOTHOLIDA, Haeckel.

Definition.—Tholonida with triaxial growth; cupolas lying in pairs on the six sides of a cubical central chamber, opposite at the poles of three axes perpendicular one to another. (Shell commonly seven-chambered, with six domes surrounding the central chamber.)

Genus 297. *Tholocubus*,¹ n. gen.

Definition.—Tholonida with simple cortical shell (without external veil), composed of six hemispherical cupolas, opposite in pairs on the poles of three axes perpendicular one to another, covering six sides of the simple cuboidal central chamber (without medullary shell).

The genus *Tholocubus* is the most simple form of the Cubotholida, or of the Tholonida with domes situated in three axes perpendicular one to another; six hemispherical cupolas lying on the six sides of a cuboidal central chamber; this latter contains no medullary shell. *Tholocubus* may be derived phylogenetically either from *Tholostaurus* by apposition of two opposite domes on the flat sides of the cross-shell, or from *Cubotholus* by loss of the medullary shell.

Subgenus 1. *Tholocubulus*, Haeckel.

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

1. *Tholocubus tessellatus*, n. sp. (Pl. 10, fig. 12).

Surface of the shell smooth, without radial spines. Pores regular, circular, hexagonally framed, twice as broad as the bars; eight to twelve pores on the semicircle of one cupola. Principal cupolas smaller than the lateral, larger than the sagittal cupolas.

Dimensions.—Diameter of the shell 0.15; pores 0.01, bars 0.005.

Habitat.—South Atlantic, Station 332, depth 2200 fathoms.

2. *Tholocubus tesserarius*, n. sp.

Surface of the shell rough, without radial spines. Pores irregular, roundish, once to three times as broad as the bars; twelve to sixteen pores in the semicircle of one cupola. All six cupolas nearly of the same size.

Dimensions.—Diameter of the shell 0.16; pores 0.04 to 0.008, bars 0.003.

Habitat.—North Atlantic, Station 353, depth 2965 fathoms.

¹ *Tholocubus*=Cube with six cupolas on its sides; θόλος, κύβος.