

Dimensions.—Length of the central chamber 0·04, breadth 0·03; length of the lateral girdle 0·12, breadth 0·08; height of the gates 0·03, breadth 0·06.

Habitat.—North Atlantic, Station 353, surface.

11. *Trizonium dodecabelos*, n. sp.

Central chamber spherical. Lateral girdle octagonal, nearly twice as long as broad. Four gates hexagonal, one and a half times as broad as high. Nine to ten pores on the half equator, fifteen to sixteen on the half meridian. Twelve radial spines, four in the lateral plane, in pairs on both sides of the poles of the principal axis, eight others opposite in pairs in two crossed diagonal axes.

Dimensions.—Diameter of the central chamber 0·025; length of the lateral girdle 0·1, breadth 0·06; height of the gates 0·033, breadth 0·05.

Habitat.—Pacific, central area, Station 272, surface.

Subfamily 2. DIPLOZONARIA, Haeckel.

Definition.—Pylonida with two concentric systems of fenestrated girdles, lying in two concentric lentelliptical faces (every one system with one to three girdles, lying in one lentelliptical face).

Genus 282. *Amphipyle*,¹ Haeckel, 1881, Prodrömus, p. 463.

Definition.—Pylonida with trizonal lentelliptical medullary shell, surrounded by one single (transverse) latticed cortical girdle.

The genus *Amphipyle* opens the large series of Diplozonaria, comprising all Pylonida, the shell of which is composed of two concentric systems of latticed girdles; the first system constituting the characteristic "trizonal medullary shell" or "*Larnacilla*-shell;" the second system composed of one to three girdles of the second order. The first system lies inside, the second outside the central capsule. In *Amphipyle* only the first (transverse) girdle of the second system becomes developed, and therefore on both poles of the principal axis are two large open gates. *Amphipyle* repeats the two-winged form of *Monozonium*; but whilst the medullary shell in this latter is a simple central chamber, it is here a trizonal *Larnacilla*-shell.

Subgenus 1. *Amphipylissa*, Haeckel.

Definition.—Cortical shell smooth or thorny, but without large, symmetrically disposed spines.

¹ *Amphipyle* = With one gate on both sides; αμφί, πύλη.