

15. *Octopyle decastyle*, n. sp. (Pl. 9, fig. 13).

Cortical shell thorny, nearly quadrangular, with ten stronger radial spines, two opposite on the poles of the principal axis (as prolongations of the axial beams), eight others opposite in pairs in two diagonal planes (as in the foregoing species). Lateral girdle nearly square, with slightly convex lateral faces, slightly concave principal faces. Transverse girdle broad, with four pores on the isthmus. Sagittal septum of the same length as the hexagonal medullary shell. Eight gates elliptical or irregular roundish.

*Dimensions*.—Length of the medullary shell 0.05, breadth 0.32; diameter of the cortical shell 0.15.

*Habitat*.—Western Tropical Pacific, Station 224, depth 1850 fathoms.

Genus 285. *Pylonium*,<sup>1</sup> Haeckel, 1881, Prodrömus, p. 464.

*Definition*.—Pylonida with trizonal lentelliptical medullary shell surrounded by three crossed latticed cortical girdles, one smaller (primary) transverse, one larger (secondary) lateral, and one (tertiary) sagittal girdle.

The genus *Pylonium* is the most highly developed among the Diplozonaria, with six complete latticed girdles, three on the medullary shell, three on the cortical shell, the latter corresponding to the former. In each of the two systems the transverse girdle is smaller than the lateral; the sagittal girdle may be smaller or larger than the lateral girdle. *Pylonium* repeats the typical form of *Trizonium*; but whilst in this latter the medullary centre of the shell is a simple spherical chamber, here in *Pylonium* it is a true trizonal or *Larnacilla*-shaped medullary shell.

Subgenus 1. *Pylonissa*, Haeckel.

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

1. *Pylonium circozonium*, n. sp.

Cortical shell thorny, without radial spines; all its three girdles nearly of the same size, subcircular, very narrow, only with one to two rows of pores. Four gates subcircular.

*Dimensions*.—Principal axis 0.12, transverse axis 0.11; diameter of the subspherical medullary shell 0.05.

*Habitat*.—North Pacific, Station 244, depth 2900 fathoms.

<sup>1</sup> *Pylonium*=Building with gates; πυλώνιον.