

The genus *Tetrapylonium* represents a further developmental stage of the foregoing *Amphipylonium*; whilst in this latter the outer cortical shell (or the third system of girdles) is formed only by a transverse girdle, here this is crossed by a lateral girdle. *Tetrapylonium* repeats therefore the typical form of *Tetrapyle*, but with doubled cortical shell (Prodromus, 1881, p. 464).

1. *Tetrapylonium pantellipticum*, n. sp.

Outer cortical shell elliptical, one and a third times as long as broad, with smooth surface and four elliptical gates. Inner cortical shell elliptical, with smooth surface and four elliptical gates which repeat the form of the four outer gates, but are of half the size. Transverse girdle broad, with five pores on the isthmus.

*Dimensions*.—Length (or principal axis) of the first shell (medullary shell) 0·04, breadth (or transverse axis) 0·03; length of the second (or inner cortical) shell 0·12, breadth 0·09; length of the third (or outer cortical) shell 0·18, breadth 0·14.

*Habitat*.—Pacific, central area, Station 274, depth 2750 fathoms.

2. *Tetrapylonium reniforme*, n. sp.

Outer cortical shell elliptical, one and a half times as long as broad, with thorny surface and four large kidney-shaped gates. Inner cortical shell of the same form, but one-third smaller, also with four kidney-shaped gates. Transverse girdle small, but with two pores on the isthmus.

*Dimensions*.—Length of the first (innermost) shell 0·03, breadth 0·02; length of the second (middle) shell 0·14, breadth 0·08; length of the third (outermost) shell 0·2, breadth 0·11.

*Habitat*.—Indian Ocean, Zanzibar, Pullen, depth 2200 fathoms.

3. *Tetrapylonium quadrangulare*, n. sp. (Pl. 9, fig. 15).

Outer cortical shell nearly quadrangular, one and a third times as long as broad, with four rounded corners, from which arise in the lateral plane four three-sided pyramidal radial spines, opposite in pairs in two crossed diagonal axes. Surface thorny; four gates elliptical or nearly quadrangular. Inner cortical shell more elliptical, by one half smaller, with broader transverse girdle and four kidney-shaped gates. Medullary shell nearly spherical, of half the size.

*Dimensions*.—Length of the first shell 0·045, breadth 0·035; length of the second shell 0·1, breadth 0·07; length of the third shell 0·16, breadth 0·11.

*Habitat*.—South Atlantic, off Tristan da Cunha, Station 332, depth 2200 fathoms.

4. *Tetrapylonium octacanthum*, n. sp.

Outer cortical shell elliptical, one and a third times as long as broad, with thorny surface, and eight long and thin radial spines arising from the corners of the four triangular gates, and lying