

Genus 313. *Phorticium*,<sup>1</sup> Haeckel, 1881, Prodrömus, p. 464.

*Definition*.—Phorticida with irregular cortical shell of simple lattice-work, enclosing a lentelliptical *Larnacilla*-shaped medullary shell.

The genus *Phorticium* comprises all Phorticida in which the irregular cortical shell is formed by simple lattice-work, not by spongy framework. We can divide this genus into two subgenera: in *Phortopyle* (as in the Pylonida) the lattice-work of the cortical shell exhibits large openings or gates; in *Phortolarcus* these gates are perfectly closed by network; the former may be regarded as abnormal or irregular Pylonida, the latter as modifications of Larnacida.

#### Subgenus 1. *Phortopyle*, Haeckel.

*Definition*.—Lattice-work of the irregular cortical shell incomplete, with large openings or gates.

##### 1. *Phorticium pylonium*, n. sp. (Pl. 49, fig. 10).

Cortical shell irregular, roundish, about three times as large as the enclosed lentelliptical, regular, *Larnacilla*-shell, connected with it by some radial beams and irregularly latticed girdles; between these remain four to eight large open gates of irregular roundish form and size; and these gates are the same as in *Tetrapyle* and *Octopyle*. This very variable species may be regarded as a monstrosity of those genera of Pylonida; it is very common, but all individuals are more or less unequal; some specimens approach to some common species of *Tetrapyle*. The surface of the shell is more or less spiny.

*Dimensions*.—Diameter of the irregular cortical shell 0.12 to 0.18; length of the lentelliptical medullary shell 0.05 to 0.06, breadth 0.035 to 0.45.

*Habitat*.—Cosmopolitan; Mediterranean, Atlantic, Pacific, &c., common, surface and in various depths.

##### 2. *Phorticium spironium*, n. sp.

Cortical shell irregular, roundish, tuberos, about four times as large as the enclosed subregular *Larnacilla*-shell, connected with it by some irregular radial beams, and by opposite, spirally beginning, irregularly latticed girdles, comparable to those of *Spironium*; between them remain six to twelve large open gates of irregular size and form. Surface rough. The resemblance to some forms of *Spironium* makes it probable that this species is a deformity or monstrosity of that genus.

*Dimensions*.—Diameter of the irregular cortical shell 0.12 to 0.2, of the lentelliptical medullary shell 0.03 to 0.06.

*Habitat*.—Pacific, central area, Stations 270 to 274, surface, and in various depths.

<sup>1</sup> *Phorticium* = Small vessel; *Φορτίκιον*.