

Genus 510. *Archibursa*,<sup>1</sup> Haeckel, 1881, Prodrömus, p. 429.

*Definition.*—Archiperida (vel Monocyrtida triradiata clausa) without internal columella and without apical horn.

The genus *Archibursa* has probably arisen from *Peridium* by loss of the apical horn, and is the only genus of Archiperida which bears no horn. The three basal feet are well-developed. It differs from the similar *Tristylospyris* by the absence of the sagittal ring and the corresponding longitudinal constriction.

I. *Archibursa tripodiscus*, n. sp. (Pl. 98, fig. 6).

Shell subspherical, smooth, with irregular roundish pores. Basal plate with three large triangular pores of equal size (fig. 6). Three feet widely divergent, straight, three-sided prismatic, about as long as the diameter of the shell.

*Dimensions.*—Diameter of the shell 0·07, length of the feet 0·09.

*Habitat.*—Central Pacific, Station 272, depth 2600 fathoms.

Family LX. PHÆNOCALPIDA, n. fam.

*Archiphormida* et *Archiphænida*, Haeckel, 1881, Prodrömus, pp. 428, 429.

*Definition.*—Monocyrtida multiradiata. (Cyrtoidæa with a simple, not jointed shell, resembling a simple cephalis, with numerous radial apophyses (four to nine or more)).

The family Phænocalpida, composed of the Archiphormida and Archiphænida of my Prodrömus, comprises those Cyrtoidæa in which the lattice-shell is quite without transverse constriction, but bears numerous radial apophyses. The two subfamilies differ in the shape of the basal mouth, which in the Archiphormida is a simple wide opening, but is closed in the Archiphænida by a lattice-plate.

Several Phænocalpida were formerly described by Ehrenberg, viz., *Halicalyptra virginica* (in 1844) and *Litharachnium arachnodiscus* (in 1872, called by him *Carpocanium*, though it is quite different from this genus, and closely allied to my *Litharachnium tentorium*, figured in 1862). These forms belong to the Archiphormida (with open mouth). Several fossil Archiphænida (with closed mouth) were figured by Ehrenberg, in 1875, as belonging to *Petalospyris* (*ocellata*, *carinata*, *flabellum*), though the absence of the sagittal ring and the corresponding longitudinal constriction demonstrates their character as *Phænocalpis*.

<sup>1</sup> *Archibursa* = Primordial bottle ; ἀρχή, βύρα.