

(intra-tentakuläre Leibeswand, Nitsche), through which passes on one side the œsophagus and on the other the rectum.

3. All the Pedicellinidæ are furnished with a more or less mobile stem, which is either flexible and contractile throughout, or as in *Pedicellina gracilis*, partially flexible and partially rigid, or as in *Ascopodaria*, wholly rigid and chitinous, its motions being effected by a peculiar muscular apparatus at the lower end.

The only forms belonging to this Family that I have noticed in the Challenger collection belong to an apparently distinct genus, to which in 1878 I had given the MS. name of "*Ascopodaria*," as stated in Professor Allman's Linnæan address of 1879. In 1880, however, Mr. Hincks, in a description of some Arctic Polyzoa, described and figured under the name of *Barentsia bulbosa*, a pedicelline species, which, though apparently quite distinct specifically from either of the two Challenger forms, evidently belongs to the genus I had already proposed to establish. In strict right of priority of publication, therefore, his name should have precedence over that merely provisionally given by me, and I should without hesitation have adopted it, but since then he has described and figured a second species, referable, from my point of view, to the same genus, under the name of *Pedicellinopsis fruticosa*,¹ thus giving two distinct names to the same generic type. I have, therefore, felt justified in retaining my original appellation, and in regarding *Barentsia* and *Pedicellinopsis* as synonyms. As an additional argument, though one of less weight, in favour of the course I have pursued, I might cite the appropriateness of the title I chose, indicative as it is of the main peculiarity of the genus.

The Family here contains :—

1. *Ascopodaria*.

- (1) *Ascopodaria fruticosa*, Hincks, sp. (Pls. IX., X. figs. 1–5).
- (2) *Ascopodaria discreta*, n. sp. (Pl. X. figs. 6–12).

1. *Ascopodaria*, Busk.²

Ascopodaria, Bk. (MS.), Add. by Prof. Allman, Journ. Linn. Soc. Lond. (Zool.), vol. xv. p. 2.

Barentsia, Hincks, Ann. and Mag. Nat. Hist., ser. 5, vol. vi. p. 285; Vigelius, Bijd. Dierk. Genoot., Nat. Art. Mag., Amsterdam, Aflev. ii. pt. 2, p. 85.

Pedicellinopsis, Hincks, loc. cit., vol. xiii. p. 363.

Pedicellina (pars), Sars, Leidy.

Character.—Polypide budding from and supported at the extremity of a chitinous, tubular, perforated stem, which expands below into a cylindrical, barrel-shaped dilatation, lined internally by a layer of longitudinal muscular tissue.

¹ This species is the same as one of the two Challenger forms to which I had given the name of *Ascopodaria socialis*, but I have now as a matter of course adopted Mr. Hincks specific name.

² From *ἀσκός*, a wine-skin, *πούς*, a foot.