

filament 0·3 mm. in length. Here again the cirri of the *first* pair are the longest (0·2 mm.), the others measuring only about 0·12 mm. Since the species exhibits manifold variations (see Report, pp. 56, 57), I do not regard these differences as sufficient for the establishment of a new species.

*Antedon microdiscus* is a new host for this *Myzostoma*.

Another specimen, from *Antedon bidentata*, P. H. C., from Station 186 (Cape York), Challenger Expedition, exactly resembled in form that figured in the Report, pl. iv. fig. 4. The body was 0·8 mm. in length, and outside the base of the third pair of feet the slightly raised male genital papilla was very distinctly recognisable.

52. *Myzostoma quadricaudatum*, Graff.

A specimen from *Antedon fluctuans*, P. H. C., dredged in the Torres Strait from a depth of 10 fathoms by H.M.S. "Alert." The body measured 0·83 mm. in length up to the bifurcation, the maximum breadth was 0·78 mm., and the length of the largest caudal appendage was 0·44 mm., the two posterior being slightly unequal.

54. *Myzostoma bicaudatum*, Graff.

*Myzostoma bicaudatum*, Graff, Bull. Mus. Comp. Zool. Cambridge, vol xi. p. 131, 1883.

55. *Myzostoma filicauda*, Graff.

*Myzostoma filicauda*, Graff, *Ibid.*, p. 132.

57. *Myzostoma carinatum*, Graff.

*Myzostoma carinatum*, Graff, *Ibid.*, p. 131.

In a vessel containing *Actinometra solaris*, *Actinometra bennetti* and five species of *Antedon* from the Moluccas (collection of the K. zool. Genootschap, Amsterdam), there was a *Myzostoma*, 2·8 mm. in length, with lateral margins much folded towards the ventral surface, but closely resembling *Myzostoma carinatum* (Report, pl. ii.) both in colour and in the dorsal markings. The cirri, which occur very abundantly on the margin, are *relatively* shorter and thicker, and have a maximum length of 0·2 mm. The median dorsal ridge is especially prominent, and the paired laterals are less wavy than in the above form, and start with their full breadth from the median pad instead of beginning as fine ridges and becoming gradually broader. These differences are not however sufficient for specific distinction.