

47. *Myzostoma cornutum*, Graff.

On *Antedon alternata*, P. H. C., from Station 236, Challenger Expedition, there was found a dirty yellow translucent specimen of a small *Myzostoma* with damaged posterior extremity, but agreeing in the character of its cirri, suckers, and parapodia with *Myzostoma cornutum* (Das Genus *Myzostoma*, Taf. x.). It was apparently a very young form, only 1.2 mm. in length, and the difference in age may also account for the almost circular outline of the body. *Antedon alternata* is a new host for this species.

49. *Myzostoma fissum*, Graff (Pl. I. figs. 5, 6).

From two additional specimens of the above species I am now able to amplify my previous description, which was based on a much contracted form.

Both these new specimens measured, including the caudal appendages, about 4.5 mm. in length, and were of a yellowish-brown colour. On the one (figs. 5, 6) the first and second pair of caudal appendages (I, II) were considerably shorter than the third, and the dorsal ridge exhibited a sharp edge, and a less wavy outline than the specimen figured in the Report (pl. iv.). The other specimen occupied, as regards its caudal appendages, a median position between the two forms above mentioned, and the dorsal ridge was only slightly defined.

In both, however, it was distinctly seen that the figure of the ridges given in the Report was doubly at fault. In the first place the ridges have a radial course on the disc, the anterior running forwards, the posterior backwards to the margin; and secondly, similar ribs extend also from the body disc to the dorsal surface of the caudal appendages.

The figures show the ventral surface and exhibit the position of the mouth (*m*), the strong parapodia (*p*), and the very slightly developed suckorial pits (*s*).

These specimens were found lying loose in spirit with *Antedon occulta*, *Antedon similis*, and *Antedon tuberculata*, all new species from Station 174, Challenger Expedition, to the south-west of Fiji.

51. *Myzostoma quadrifilum*, Graff.

This specimen was found on *Antedon microdiscus*, Bell, from Station 186, Challenger Expedition, off Cape York. It was dark brown in colour, and measured, without caudal appendages, 0.8 mm. in length and 0.64 in breadth, like the form represented in the Report on pl. iv. fig. 3. There is, however, this difference between the two, that in this form the *external* caudal appendages are much more strongly developed than the inner pair. They are as long as the body; the thick basal portion measuring 0.5 mm., and the terminal