

the largest, and from it are seen to radiate outwards a number of yellow coloured marks which correspond to the intestinal cæca. The intervals between the longitudinal bands are brownish coloured, and the intervals between the lateral ramifications are greyish-brown, becoming darker towards the ends of the lateral branches. The margin of the dorsal disk is bordered by a yellowish band. The transverse diameter of the body is 1·8 mm.

*Host.*—Probably *Antedon spinifera*, P. H. C. From Station 157 (Montserrat) of the "Blake" Expedition.

27. *Myzostoma nigrescens*, n. sp. (Pl. III. figs. 13–15).

In size, number, and arrangement of cirri, and in general appearance, this species much resembles *Myzostoma cirriferum*, differing only by its smaller length (2·5) and by not having a translucent marginal border. The body of the single individual that I was able to examine is coloured blackish-brown above, and below a little lighter coloured; it is thick not only in the middle of the body, but also at the margin; it is therefore hardly at all translucent. The parts of the hook-apparatus (fig. 14) are also much more strongly developed; the hook (*u.*) is provided with a straight extremity set at right angles to the rest of the shaft; it is ·17 mm. long and ·016 mm. thick. The manubrium (*ma.*) is short, measuring only ·12 mm. long; the terminal plate is distinguished by its smooth surface and bent edge.

Of the twenty cirri the anterior pair are the largest, and measure ·45 mm.; the rest are much shorter (·27–·35 mm.). The third cirrus on the left side shows an abnormality already noticed by me in *Myzostoma cirriferum* (Genus *Myzostoma*, p. 79); it is forked at the extremity, one of the ends being short and stump-like, the other long.

*Host.*—*Actinometra morsei*, P. H. C. Found by E. S. Morse in Yeddo Bay (Japan); the property of the Museum of Comparative Zoology, Cambridge, Mass.

28. *Myzostoma cirriferum*, F. S. Leuckart.

*Hosts.*—(a) *Antedon rosacea*.—Mr. P. H. Carpenter has specimens from Shetland (Bressay Sound, 5 to 7 fathoms), and Arran (5 to 10 fathoms), which confirm the assertion that this parasite occurs in all European seas where its host occurs (see Genus *Myzostoma*, p. 79).

(b) *Antedon petasus*, P. H. C.—Mr. Carpenter has specimens from Norway, the Kiel Museum from Arendal, Norway; and H.M.S. "Triton" dredged some at Station 3 (August 8, 1882, 81 fathoms).

(c) *Antedon hystrix*, P. H. C., from North Atlantic (probably cold area), "Porcupine," 1869.

29. *Myzostoma crenatum*, n. sp. (Pl. VII. fig. 4).

This species is one of the most elegant and regular among the flat *Myzostomida*. The