

DESCRIPTION OF SPECIES.

Myzostoma, F. S. Leuckart.

1. *Myzostoma horologium*, n. sp. (Pl. I. figs. 1-17).

This form, of which I was able to investigate a great number of examples, closely resembles our European form, *Myzostoma glabrum*, but has not the central muscular mass so highly developed. The dorsal surface is generally flat or somewhat vaulted and bent upwards at the margins. The diameter of the body in the largest specimen was 6 mm. The skin of the back has no conical papillæ like those of *Myzostoma glabrum*, but merely some irregular wrinkles, and these only in large specimens. Cirri are entirely wanting. The pigment is arranged in much the same fashion as in *Myzostoma glabrum* (cf., Genus *Myzostoma*, pl. i. figs. 2-10), but there is only a single median longitudinal line instead of two, which, however, differs considerably in different individuals. The typical coloration is shown in fig. 4; it resembles very much the dial of a watch divided into ten parts with two large hands. The central point of the dorsal surface is generally a little depressed and devoid of pigment, and is but rarely extended lengthways or provided with a central pigment spot. There are also four pairs of pigment spots on the margin corresponding to the suckers. The most frequent modification of this is shown in fig. 5, where it will be seen that there is an additional mass of pigment at each end of the median line, and that each of the marginal lines of pigment is divided into two parts. In the specimen displayed in fig. 9 the pigment is removed from the border of the body. On account of the lateral continuations of the marginal lines, this individual forms a transition to the varieties represented in figs. 6-11, which are characterised by the great quantity of pigment present, as well as by the unilateral or symmetrical anastomosis of the marginal lines with each other and with the median line. Figs. 7, 8 are the extremes of these dark coloured forms; fig. 8 shows a number of supernumerary spots, and a black border round the whole dorsal surface. There are also other varieties but slightly pigmented (figs. 12-14), with an incomplete median line and without some of the marginal lines. One of the most aberrant modifications is shown in fig. 13; the light central point is wanting in this form, and the coloration is asymmetrical.

The spirit specimens of *Myzostoma horologium* that I have in my possession vary in their ground-colour from white or sulphur-yellow to a dark brownish-yellow. Von