

PLATE XI.

In all the Plates the following letters have the same signification.

<p><i>c.</i> Marginal cirrus. <i>cl.</i> Cloacal papilla or opening. <i>i.</i> Intestine. <i>m.</i> Mouth. <i>ma.</i> Manubrium of the supporting stalk of the hook-apparatus. <i>ov.</i> Ovarium.</p>		<p><i>p.</i> Parapodium. <i>ph.</i> Pharynx. <i>s.</i> Sucker. <i>t.</i> Testicle. <i>u.</i> Hook of the hook-apparatus. <i>♂</i> Male genital papilla or opening.</p>
---	--	---

Note.—The coloured drawings show the object seven times magnified; the uncoloured drawings are drawn with the Oberhäuser camera and objective 0 (Seibert and Kraft), which magnifies 40 diameters, the hook-apparatus with camera and objective IV., which magnifies 220 diameters, if the contrary be not expressly stated.

Figs. 1–3. *Myzostoma coriaceum*, n. sp.

- Figs. 1, 2. The animal, seen from the ventral side.
 Fig. 3. A diagrammatic cross section.

Figs. 4–8. *Myzostoma asymmetricum*, n. sp.

- Fig. 4. Portion of an arm of *Pentacrinus alternicirrus*, P. H. C., magnified. From the dorsal side (*A*), and from the side (*B*), in order to show the swelling of the arm and the two pinnules (*) enlarged by the *Myzostoma*.
 Fig. 5. The same without the pinnules of one side, to show the base of an enlarged pinnule, which base bears the *Myzostoma*.
 Fig. 6. This pinnule from the side (*B*), and in cross section (*A*), in order to show the groove where the *Myzostoma* lay in contact with it.
 Fig. 7. The *Myzostoma* from the ventral side; magnified about 28 diameters. In this figure the letters *p* and *ph* have been interchanged.
 Fig. 8. Diagrammatic cross section through this *Myzostoma*.

Figs. 9–15. *Myzostoma pentacrini*, n. sp.

- Fig. 9. Thickened portion of an arm of *Pentacrinus alternicirrus*, P. H. C. Seen from both sides (*A*, *B*), and from the dorsal side (*C*). The arm-joints *a-e* participate in the swelling. In *B* the *Myzostoma*, lying in a cyst, can be seen through the aperture in the joint *c*.
 Fig. 10. The arm divided in the direction of the arrow (fig. 9, *C*), seen from the distal end. The two chambers, containing each a *Myzostoma*, are separated by a strong septum.
 Fig. 11. The half of a squeezed preparation made by v. Willemoes Suhm to show the intestinal ramifications (*i*).
 Fig. 12. The animal (fig. 9), seen from the dorsal side.
 Fig. 13. The same, from the ventral side; magnified about 16 diameters.
 Fig. 14. Cross section through another specimen.
 Fig. 15. Another swelling of an arm of a *Pentacrinus* not so much magnified.