

## PLATE XIII.

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.  <math>\delta</math> Male genital papilla or opening.</p>
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*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. 1–5. *Myzostoma cysticum*, n. sp.

Figs. 1–3. Three cysts from *Actinometra meridionalis*, var. *carinata*, P. H. C. ; magnified 5 diameters (figs. 1 and 3 drawn from both sides).

Fig. 4. Cross section through such a cyst, containing a dwarf male ( $\delta$ ) and the large female ( $\text{♀}$ ). This latter is folded together, so that the lateral parts, lying quite close together, enclose a canal which serves as a “brood pouch” for the eggs.

Fig. 5. The dwarf male, seen from the ventral side; magnified about 75 diameters.

### Figs. 6–16. *Myzostoma tenuispinum*, n. sp.

Fig. 6. A cyst from *Antedon inæqualis*, P. H. C. ; magnified 7 diameters. From both sides (*A*, *B*), and broken open (*C*), to show the male and the female within.

Fig. 7. The dwarf male, from the ventral side; magnified about 75 diameters. *r.*, the rectum.

Fig. 8. The female, from the ventral side; magnified about 12 diameters.

Fig. 9. Diagrammatic cross section of the same.

Fig. 10. Diagrammatic longitudinal section of the same; the upper is the dorsal surface.

Figs. 11–14. Four other cysts from *Antedon inæqualis*, P. H. C. ; magnified  $2\frac{1}{2}$  diameters (14, *A*, from the side and *B*, from the dorsal side).

Fig. 15. A large cyst upon the base of an arm of *Antedon angusticalyx*, P. H. C., in three different views, magnified 7 diameters, having a main aperture (*x*) and two secondary apertures (*y*, *z*).

Fig. 16. An arm cyst of *Antedon incisa*, P. H. C., twice enlarged (copy of a figure made by Dr. P. H. Carpenter, and published here with his permission).