

PLATE X.

The lettering is the same in all the figures.

<p><i>a</i> Acontia. <i>b</i> Mesenteric filaments. <i>c</i> Stomata in the septa. <i>s</i>¹ Perioral stomata. <i>c</i>² Marginal stomata. <i>cu</i> Cuticle. <i>d</i> Glandular streaks of the mesenteric filaments. <i>e</i> Ciliated streaks of the mesenteric filaments. <i>ek</i> Ectoderm. <i>en</i> Endoderm. <i>g</i> Reproductive organs. <i>h</i> Septa. <i>rh</i> Directive septa. <i>i</i> Oral disk.</p>	<p><i>k</i> Wall. <i>l</i> Pedal disk. <i>m</i> Muscles. <i>mm</i> Mesodermal muscles. <i>ml</i> Longitudinal muscles of the septa. <i>ml</i>¹ Retractor. <i>mp</i> Parietobasilar muscle. <i>mt</i> Transverse muscles. <i>mr</i> Radial muscles of the oral disk and longitudinal muscles of the tentacles. <i>ms</i> Circular muscle of the wall. <i>mc</i> Mesoderm. <i>n</i> Urticating cells. <i>o</i> Ovicells.</p>	<p><i>p</i> Filamental apparatus of the ovicells. <i>p</i>¹ Process of the ovicell. <i>p</i>² Apical set of epithelial colls. <i>r</i> Marginal spherules. <i>rh</i> Directive septa. <i>s</i> Œsophagus. <i>so</i> Openings of the Œsophagus into the radial chambers. <i>sr</i> Œsophageal grooves. <i>sz</i> Lappets of the Œsophagus. <i>t</i> Tentacles and the openings homologous with them. <i>t</i>¹ Principal tentacles. <i>t</i>² Accessory tentacles. <i>v</i> Openings of the pedal disk.</p>
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All statements given as to magnifying powers have reference to Zeiss's system. The magnifying powers amount to

				Oc. 1.	Oc. 2.					Oc. 1.	Oc. 2.
n ¹	...	...	...	6	10	D	...	...	...	195	240
A	...	...	...	55	70	F	...	...	...	410	550
C	...	...	...	95	125	J	...	...	...	470	580

A with unscrewed front lens (unscr. A) magnifies with Oc. 1 : 30 times; with Oc. 2 : 40 times.

Ophiodiscus annulatus (figs. 1-10).

Fig. 1. A portion of the animal, seen from the side; magnified a little.

Fig. 2. Transverse section through a tentacle near the base. Unscr. A, Oc. 2.

Fig. 3. A portion of the animal seen from the oral side; natural size.

Fig. 4. A principal septum with the two adjoining genital septa; magnified a little.

Fig. 5. Transverse section through the oral disk at the insertion of a septum. A, Oc. 2.

Fig. 6. Transverse sections through different parts of the circular muscle: α through the upper part, δ through the lower end. Unscr. A, Oc. 2.

Fig. 7. Portions of the circular muscle, more highly magnified; α from the upper, β from the lower end. D, Oc. 2.

Fig. 8. Pseudo-tentacle, slightly magnified.

Fig. 9. Some terminal branches of the pseudo-tentacle, ten times the natural size.

Fig. 10. Longitudinal section through a branch of the pseudo-tentacle. J, Oc. 1; and reduced one half.

Antholoba reticulata (figs. 11 and 12).

Fig. 11. Transverse section through the circular muscle. D, Oc. 2.

Fig. 12. Transverse section through the oral disk. C, Oc. 1.