

PLATE II.

The lettering is the same in all the figures.

cu Cuticula.
ec Ectoderm.
en Endoderm.
g Generative organs.
h Mesenteries.
im Intermediary layer.
m Muscle-fibres.

me Mesogloea.
*ms*¹ Upper circular muscle.
*ms*² Lower circular muscle.
o Ova.
r Marginal spherules.
sr Siphonoglyphe (oesophageal groove).
t Tentacles.

All statements given as to magnifying powers have reference to Zeiss's system.

Fig. 1. Portion of the circular muscle of *Hormathia delicatula*. D, Oc. 2, somewhat diminished.

Fig. 2. *Ilyanthopsis longifilis*; musculature of the oral disc. $\frac{1}{18}$, Oc. 1.

Fig. 3. *Hormathia delicatula*; musculature of the oral disc. D, Oc. 2.

Fig. 4. Circular muscle and marginal spherules of *Liponema multiporum*. A, Oc. 1.

Fig. 5. Muscle-pennon of *Halcompa kerguelensis*. A, Oc. 2.

Fig. 6. *Dysactis crassicornis*; transverse section through a tentacle. a³, Oc. 2.

Fig. 7. Portion of the tentacle represented in fig. 6, more strongly magnified. A, Oc. 1.

Fig. 8. *Phellia spinifera*; transverse section through the musculature of the oral disc. E, Oc. 2.

Fig. 9. The same.