

PLATE V.

Fig. 1. *Pneumonoderma*.

Fig. 1. Dorsal view of the central nervous system; *a*, cerebral ganglion; *b*, pedal ganglion; *c*, pleural ganglion; *d*, visceral ganglion; *e*, cerebro-pedal connective; *f*, cerebro-pleural connective; *g*, pleuro-visceral connective; *h*, olfactory nerve; *i*, optic nerve; *j*, nerve to the acetabuliferous appendage; *k*, nerve to the anterior tentacle; *l*, labial nerve.

Fig. 2. *Dolabella neapolitana*.

Fig. 2. Central nervous system, seen from the right side; *a*, cerebral ganglion; *b*, pedal ganglion; *c*, pleural ganglion; *d*, right visceral ganglion; *e*, cerebro-pedal connective; *f*, cerebro-pleural connective; *g*, pleuro-visceral connective; *h*, œsophagus.

Fig. 3. *Spongiobranchæa*.

Fig. 3. Central nervous system seen from the left side; *a*, cerebral ganglion; *b*, pedal ganglion; *c*, pleural ganglion; *d*, left visceral ganglion; *e*, cerebro-pedal connective; *f*, cerebro-pleural connective; *g*, pleuro-visceral connective; *h*, otocyst; *i*, auditory nerve; *j*, cerebro-buccal connective; *3*, genital nerve; *4*, lateral nerve from the left visceral ganglion.

Fig. 4. *Clione limacina*.

Fig. 4. Ventral aspect of the anterior portion; *a*, evaginated proboscis; *b*, evaginated hook-sacs; *c*, buccal cone; *d*, anterior tentacle; *e*, fin; *f*, lateral lobe of the foot; *g*, posterior lobe of the foot.

Figs. 5-7. *Clione*.

Fig. 5. Anterior region, seen from the right side, in order to show the visceral openings; *a*, anterior tentacle; *b*, head; *c*, foot; *d*, fin cut off at its origin; *e*, anus; *f*, aperture of the kidney; *g*, genital aperture; *h*, spermatic groove; *i*, orifice of the penis; *j*, osphradium.

Fig. 6. Osphradium and its nerve supply, seen from the right side; *a*, cerebral ganglion; *b*, pedal ganglion; *c*, pleural ganglion; *d*, right visceral ganglion; *e*, osphradium; *f*, œsophagus; *g*, anus; *h*, opening of the penis; *i*, lateral lobe of the foot; *j*, posterior lobe of the foot.

Fig. 7. Transverse section of the osphradium; *a*, osphradial nerve; *b*, its sheath, continued by the connective envelope of the osphradium; *c*, ganglionic cells of the osphradium; *d*, sensory epithelium.

Figs. 8-11. *Halopsyche gaudichaudi*.

Fig. 8. Ventral aspect of the central nervous system; *a*, cerebral ganglion; *b*, pedal ganglion; *c*, right visceral ganglion; *d*, posterior visceral or abdominal ganglion; *e*, left visceral ganglion; *f*, second pedal commissure; *g*, cerebral commissure; *h*, cerebro-pedal connective; *i*, otocyst; *j*, nerve to the buccal appendage; *k*, nerve and ganglion of the nuchal tentacle; *l*, nerves to the fin; *m*, nerve to the foot; *1, 2, 3, 4*, visceral nerves.

Fig. 9. Oral view of the central nervous system; *a*, cerebral ganglion; *b*, pedal ganglion; *c*, buccal ganglion; *d*, cerebro-pedal connective; *e*, cerebro-buccal connective; *f*, second pedal commissure; *g*, nerve and ganglion of the nuchal tentacle; *h*, nerve to the buccal appendage; *i*, nerve to the foot; *j*, nerves to the fin.

Fig. 10. Central nervous system, seen from the left side; *a*, cerebral ganglion; *b*, pedal ganglion; *c*, left visceral ganglion; *d*, posterior visceral ganglion; *e*, nerve to the buccal appendage; *f*, nerve and ganglion of the nuchal tentacle; *g*, nerves to the fin; *h*, otocyst; *3, 4*, visceral nerves.

Fig. 11. Transverse section of the central nervous system passing through the visceral ganglia; *a*, cerebral ganglion; *b*, right visceral ganglion; *c*, posterior visceral or abdominal ganglion; *d*, left visceral ganglion; *e*, cerebral commissure; *f*, œsophagus.