

PLATE IV.

Figs. 1-4. *Chromodoris striatella*, Bergh.

- Fig. 1. *a, a*, Buccal; *b, b*, gastro-oesophageal ganglia. Cam. luc. \times 100 diam.
Fig. 2. Two teeth from the outermost third of a series of teeth. Cam. luc. \times 750 diam.
Fig. 3. *a*, Truncus aortae; *b*, the ventricle; *c*, atrium; *dd*, hinder part of renal organ, in the middle is the renal chamber with its continuation into the ureter, on the right side the renal syrx with its duct, behind the vena hepatica magna.
Fig. 4. *a*, Spermatheca; *b*, vaginal duct; *c*, uterine duct; *d*, spermatocyst.

Figs. 5, 6. *Doriopsis nebulosa*, Pease.

- Fig. 5. Everted glans penis, showing *a*, armature continuous with that in interior of vas deferens. Cam. luc. \times 350 diam.
Fig. 6. End of glans penis. Cam. luc. \times 750 diam.

Figs. 7-24. *Euplocamus pacificus*, Bergh.

- Fig. 7. Central nervous system, from the upper side; *a*, cerebral; *b, b*, visceral; *c, c*, pedal ganglia; *d*, common commissure; *e, e*, proximal olfactory ganglia; *f*, buccal ganglia. Cam. luc. \times 100 diam.
Fig. 8. The same, from behind. Letters as above.
Fig. 9. Otocyst upon the surface of the ganglion (*a*). Cam. luc. \times 350 diam.
Fig. 10. A spicule of the skin. Cam. luc. \times 350 diam.
Fig. 11. Labial plate, from the inside; *a*, its upper end. Cam. luc. \times 55 diam.
Fig. 12. The same, from the fore-end. Cam. luc. \times 55 diam.
Fig. 13. Part of the radula, with 2 (3) series of teeth; *a, a*, first; *b, b*, second lateral teeth; *c, c*, outermost teeth. Cam. luc. \times 100 diam.
Fig. 14. *a*, First, *b*, second, lateral tooth, from above. Cam. luc. \times 200 diam.
Fig. 15. The same, from the side. Cam. luc. \times 200 diam.
Fig. 16. First (innermost) and second of the outer teeth, from the inner side. Cam. luc. \times 200 diam.
Fig. 17. *a*, Fourth; *b*, fifth tooth, from above. Cam. luc. \times 200 diam.
Fig. 18. Outer teeth, from above; *a, a*, the innermost. Cam. luc. \times 200 diam.
Fig. 19. Basal portion of teeth; *a*, third tooth; *b*, sixth. Cam. luc. \times 350 diam.
Fig. 20. Fore end of armature of ductus ejaculatorius. Cam. luc. \times 350 diam.
Fig. 21. Hinder end of same. Cam. luc. \times 350 diam.
Figs. 22, 22. Part of cuticle with hooks. Cam. luc. \times 750 diam.
Fig. 23. *a*, Basal portion of spermatheca; *b*, vaginal duct; *c*, vagina; *dd*, uterine duct; *e*, spermatocyst.
Fig. 24. *a*, Funiculus spermaticus; *b*, praeputium penis.

Figs 25-27. *Onchidium melanopneumon*, Bergh.

- Fig. 25. Tubercle of the skin.
Fig. 26. Bulbus pharyngeus, from above; *a*, radula-sheath.
Fig. 27. Rhachidian portion of the radula; *a*, median; *b, b*, first lateral; *c, c*, second lateral teeth. Cam. luc. \times 350 diam.