

## PLATE V.

### Figs. 1–27. *Onchidium melanopneumon*, Bergh.

- Fig. 1. Anterior end, showing rhinophoria, frontal shield (with orifice of penis), and the oral aperture.
- Fig. 2. Posterior end of the animal (the tail turned upwards), viewed from beneath, showing anus, pneumostome, and (*a*), female genital furrow commencing at the vulva.
- Fig. 3. Bulbus pharyngeus, from the side; *a*, pharynx; *b*, left buccal ganglion; *c*, protrusors of the bulbus; *d*, radula-sheath.
- Fig. 4. Bulbus pharyngeus, opened on the upper side so as to show the tongue with radula (*a*); *b, b*, palatal plates, turned backwards.
- Fig. 5. Portion of innermost part of palatal plates; *a*, free space between them. Cam. luc.  $\times 55$  diam.
- Fig. 6. Part of palatal plates, from the side. Cam. luc.  $\times 350$  diam.
- Fig. 7. *a*, First, *b*, second, lateral tooth. Cam. luc.  $\times 350$  diam.
- Fig. 8. Second lateral tooth, obliquely from above. Cam. luc.  $\times 350$  diam.
- Fig. 9. *a*, Second, *b*, third, *c*, fourth, lateral tooth, from the left side. Cam. luc.  $\times 350$  diam.
- Fig. 10. Second tooth, from the side. Cam. luc.  $\times 350$  diam.
- Fig. 11. Seventh tooth, from the inner side. Cam. luc.  $\times 350$  diam.
- Fig. 12. First lateral tooth, from above. Cam. luc.  $\times 350$  diam.
- Fig. 13. The same, from the outer side. Cam. luc.  $\times 350$  diam.
- Fig. 14. Outer portion of two series of teeth, from the upper side; *a, a*, outermost teeth; *b*, tenth; *c*, eighth. Cam. luc.  $\times 350$  diam.
- Fig. 15. Portion of outer end of two series of teeth, from below; *a, a*, outermost teeth. Cam. luc.  $\times 350$  diam.
- Fig. 16. Part of external sixth of two series, from below; *a, a*, innermost of these teeth. Cam. luc.  $\times 350$  diam.
- Fig. 17. Outermost tooth, from the outer side; *a*, cuticular folds. Cam. luc.  $\times 350$  diam.
- Fig. 18. Outermost but two, from the outer side. Cam. luc.  $\times 350$  diam.
- Fig. 19. Outermost three teeth, from behind; *a*, the outermost. Cam. luc.  $\times 750$  diam.
- Fig. 20. Vertical section of lung and renal organ; *a*, pneumostome; *b*, dorsal surface.
- Fig. 21. Lamellæ from third stomach, from the side.
- Fig. 22. The same, from the end.
- Fig. 23. Cuticle of second stomach. Cam. luc.  $\times 55$  diam.
- Fig. 24. Section of dart-gland.
- Fig. 25. Section of the ampulla of the dart-gland.
- Fig. 26. The genital mass, seen obliquely from below; *a*, hermaphrodite gland; *b*, mucous gland, between them the spermatheca with its duct.
- Fig. 27. The intestines from above; *a*, mouth-tube; *b*, bulbus pharyngeus with buccal ganglia; *c, c*, salivary glands; *d*, œsophagus; *ee*, intestine; *f*, anterior, *g*, posterior, liver; *h*, ampulla of duct of dart-gland; *i*, region of lung; *k*, heart (inner portion of pericardium left).

### Figs. 28–31. *Doriopsis nebulosa*, Pease.

- Fig. 28. *a*, Hermaphrodite duct; *b*, ampulla; *c*, oviduct; *dd*, prostate; *e*, muscular part of vas deferens; *f*, penis; *g*, spermatheca; *h*, vaginal duct; *i*, vagina; *k*, uterine duct; *l*, spermatocyst.
- Fig. 29. Terminal part of vagina; *aa*, cuticular lining. Cam. luc.  $\times 350$  diam.
- Fig. 30. Anterior armature of vas deferens (glans). Cam. luc.  $\times 750$  diam.
- Fig. 31. Posterior armature of the same. Cam. luc.  $\times 750$  diam.