

## PLATE I.

### Figs. 1–12. *Archidoris kerguelenensis*, Bergh.

- Fig. 1. Central nervous system, from above; *a, a*, pedal ganglia at the outer side of cerebro-pleural ganglia, near to them are the eyes and proximal olfactory ganglia; *b*, the united sub-cerebro-pleuro-pedal commissure; *c*, buccal and gastro-oesophageal ganglia; *dd*, sanguineous gland. Cam. luc.  $\times$  200 diam.
- Fig. 2. Tubercle of skin. Cam. luc.  $\times$  200 diam.
- Fig. 3. Portion of rhinophorial leaf. Cam. luc.  $\times$  350 diam.
- Fig. 4. Two innermost teeth; *a*, first lateral tooth; *b*, second lateral tooth. Cam. luc.  $\times$  350 diam.
- Fig. 5. Large lateral tooth, from the inner side. Cam. luc.  $\times$  200 diam.
- Fig. 6. Large lateral tooth, from the outer side. Cam. luc.  $\times$  200 diam.
- Fig. 7. Innermost portion of a series of teeth; *a*, rhachidian fold; *b*, the first; *c*, the eighth tooth. Cam. luc.  $\times$  200 diam.
- Fig. 8. Portion of series of largest teeth. Cam. luc.  $\times$  200 diam.
- Fig. 9. Outermost portion of a series of teeth; *a*, the outermost; *b*, the fourth tooth. Cam. luc.  $\times$  350 diam.
- Fig. 10. *a*, Stomach; *b*, intestine; *c*, renal chamber.
- Fig. 11. *a*, Spermatheca; *b*, its chief duct (vagina); *c*, spermatocyst; *de*, uterine duct.
- Fig. 12. *a*, Spermatic duct; *b*, penis (the præputium is opened and the glans visible).

### Figs. 13–18. *Archidoris australis*, Bergh.

- Fig. 13. The central nervous system, from above; *ab*, cerebro-pleural ganglia; *c, c*, pedal ganglia; *d*, common commissure; *e, e*, proximal olfactory ganglia; *f*, distal olfactory ganglia; *g*, buccal ganglia; *h, h*, gastro-oesophageal ganglia; *i*, nervus genitalis issuing from ganglion genitale. Cam. luc.  $\times$  100 diam.
- Fig. 14. Part of the margin of the branchial groove.
- Fig. 15. Tubercles of the skin. Cam. luc.  $\times$  100 diam.
- Fig. 16. Two of innermost lateral teeth; *a*, the innermost. Cam. luc.  $\times$  350 diam.
- Fig. 17. Teeth of two different series from the outer side. Cam. luc.  $\times$  350 diam.
- Fig. 18. Outermost portion of two different series of teeth with five and three teeth; *a, a*, the outermost ones. Cam. luc.  $\times$  350 diam.

### Figs. 19–22. *Discodoris morphæa*, Bergh.

- Fig. 19. Otocyst on the surface of the cerebral ganglion (*a*). Cam. luc.  $\times$  350 diam.
- Figs. 20, 21. Spicules from skin. Cam. luc.  $\times$  200 diam.
- Fig. 22. *a*, Œsophagus; *b*, stomach, behind which is the upper portion of the gall bladder; *ccc*, intestine; *dd*, liver.