

PLATE XIV.

Figs. 1-6. *Colella quoyi*, n. sp.

Figs. 7-14. *Colella gaimardi*, n. sp.

Figs. 15-23. *Polyclinum fungosum*, n. sp.

a. Anus.  
 at. Atrial aperture.  
 br. Branchial aperture.  
 d.l. Dorsal lamina.  
 d.t. Dorsal tubercle.  
 en. Endostyle.  
 g. Reproductive organs.  
 i. Intestine.  
 l. Dorsal languet.

l.v. Fine longitudinal vessels of bran-  
 chial sac.  
 m.b. Muscle band in mantle.  
 n.g. Nerve ganglion.  
 o. Ovary.  
 œ. Œsophagus.  
 p.p. Peripharyngeal band.  
 r. Rectum.  
 sg. Stigmata of branchial sac.

st. Stomach.  
 t.c. Test cells.  
 t.m. Test matrix.  
 tn, tn'. Tentacles.  
 tr. Transverse vessel of branchial sac.  
 t.v. Spermatic vesicles.  
 v.ap. Vascular appendage.  
 v.d. Vas deferens.

- Fig. 1. Colony of *Colella quoyi*; natural size.  
 Fig. 2. Another colony of *Colella quoyi*; natural size.  
 Fig. 3. Part of the branchial sac of *Colella quoyi*; highly magnified (S.,  $\frac{1}{4}$  inch).  
 Fig. 4. Part of the mantle of *Colella quoyi*; highly magnified (S.,  $\frac{1}{4}$  inch).  
 Fig. 5. The Ascidiozoid of *Colella quoyi*, seen from the left side; magnified (S., 1 inch).  
 Fig. 6. Part of the alimentary canal of another Ascidiozoid of *Colella quoyi*; magnified (S., 1 inch).  
 Fig. 7. Colony of *Colella gaimardi*; natural size.  
 Fig. 8. Part of the branchial sac of *Colella gaimardi*; highly magnified (S.,  $\frac{1}{4}$  inch).  
 Fig. 9. Part of the test of *Colella gaimardi*; highly magnified (S.,  $\frac{1}{8}$  inch).  
 Fig. 10. The incubatory pouch of *Colella gaimardi*; magnified (S., 1 inch).  
 Fig. 11. Part of the dorsal region of the branchial sac of *Colella gaimardi*, showing languets; highly magnified (S.,  $\frac{1}{4}$  inch).  
 Fig. 12. The abdomen of a young Ascidiozoid of *Colella gaimardi*; magnified (S., 1 inch).  
 Fig. 13. Part of the alimentary canal of *Colella gaimardi*; magnified (S., 1 inch).  
 Fig. 14. The tailed larva of *Colella gaimardi*; magnified (S., 1 inch).  
 Fig. 15. Colony of *Polyclinum fungosum*, seen from the upper surface; natural size.  
 Fig. 16. Colony of *Polyclinum fungosum*, seen from the side; natural size.  
 Fig. 17. Vertical section through part of the colony of *Polyclinum fungosum*; natural size.  
 Fig. 18. Part of the branchial sac of *Polyclinum fungosum*; highly magnified (S.,  $\frac{1}{4}$  inch).  
 Fig. 19. The dorsal languets of *Polyclinum fungosum*; highly magnified (S.,  $\frac{1}{4}$  inch).  
 Fig. 20. The dorsal edge of the anterior end of the Ascidiozoid of *Polyclinum fungosum*, showing tentacles, dorsal tubercle, nerve ganglion, &c.; highly magnified (S.,  $\frac{1}{8}$  inch).  
 Fig. 21. The alimentary canal of *Polyclinum fungosum*; highly magnified (S.,  $\frac{1}{4}$  inch).  
 Fig. 22. The reproductive organs of *Polyclinum fungosum*; highly magnified (S.,  $\frac{1}{4}$  inch).  
 Fig. 23. Tailed larva of *Polyclinum fungosum*, seen from the side; magnified (S., 1 inch).