

PLATE XXVIII.

Figs. 1-4. *Aplidium fallax*, Johnston.

Figs. 5-7. *Aplidium leucophæum*, n. sp.

Figs. 8-10. *Aplidium fuscum*, n. sp.

Figs. 11-13. *Aplidium despectum*, n. sp.

Figs. 14, 15. ———— (?) *ignotus*, n. sp.

<i>at.</i> Atrial aperture.	<i>i.</i> Intestine.	<i>sg.</i> Stigmata of branchial sac.
<i>at.l.</i> Atrial languet.	<i>l.</i> Languet.	<i>sg'.</i> Small stigmata.
<i>br.</i> Branchial aperture.	<i>l.v.</i> Five longitudinal vessels of branchial sac.	<i>st.</i> Stomach.
<i>cn.</i> Endostyle.	<i>p.ab.</i> Post-abdomen.	<i>t.c.</i> Test cells.
<i>h.m.</i> Horizontal membrane of branchial sac.	<i>r.</i> Rectum.	<i>t.m.</i> Test matrix.
		<i>tr.</i> Transverse vessels of branchial sac.

Fig. 1. Two colonies of *Aplidium fallax*; natural size.

Fig. 2. Ascidiozoid of *Aplidium fallax*, seen from left side; magnified (S., 1 inch).

Fig. 3. Part of branchial sac of *Aplidium fallax*, showing diminution of stigmata (*sg, sg'*) at ventral edge; magnified (S., 1 inch).

Fig. 4. Dorsal part of branchial sac of *Aplidium fallax*, showing languets; magnified (S., 1 inch).

Fig. 5. Colony of *Aplidium leucophæum*; natural size.

Fig. 6. Ascidiozoid of *Aplidium leucophæum*, seen from left side; magnified (S., 1 inch).

Fig. 7. Dorsal part of branchial sac of *Aplidium leucophæum*, showing stigmata and languets; magnified (S., 1 inch).

Fig. 8. Colony of *Aplidium fuscum*; natural size.

Fig. 9. Part of branchial sac of *Aplidium fuscum*; magnified (S., 1 inch).

Fig. 10. Anterior end of Ascidiozoid of *Aplidium fuscum*, showing branchial and atrial apertures; magnified (S., 1 inch).

Fig. 11. Colony of *Aplidium despectum*; natural size.

Fig. 12. Section of test of *Aplidium despectum*; highly magnified (S.,  $\frac{1}{8}$  inch).

Fig. 13. Part of branchial sac of *Aplidium despectum*; highly magnified (S.,  $\frac{1}{4}$  inch).

Fig. 14. Colony of ———— (?) *ignotus*; reduced (see measurements).

Fig. 15. Part of colony of ———— (?) *ignotus*; natural size.