

PLATE XIX.

Cystodytes draschii, n. sp.

<i>ad.p.</i> Adhering papilla.	<i>en.</i> Endostyle.	<i>sph.</i> Sphincter.
<i>at.</i> Atrial aperture.	<i>l.s.</i> Lower surface of colony.	<i>t.c.</i> Test cells.
<i>at.si.</i> Atrial siphon.	<i>m.</i> Mantle.	<i>t.c'</i> Modified test cells.
<i>bl.</i> Bladder cell.	<i>m.b.</i> Muscle band in mantle.	<i>th.</i> Thorax.
<i>br.</i> Branchial aperture.	<i>mar.</i> Free margin of colony.	<i>t.m.</i> Test matrix.
<i>br.s.</i> Branchial sac.	<i>n.g.</i> Nerve ganglion.	<i>tn, tn'</i> Tentacles.
<i>br.si.</i> Branchial siphon.	<i>s.o.</i> Sense organ.	<i>u.s.</i> Upper surface of colony.
<i>cap.</i> Calcareous capsule around Ascidiozoid.	<i>sp.</i> Calcareous spicule in test.	

- Fig. 1. Colony of *Cystodytes draschii*; natural size.
- Fig. 2. Part of section through test of *Cystodytes draschii*; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 3. Part of section through colony of *Cystodytes draschii*, showing relation of Ascidiozoid to test and calcareous spicules; magnified (S., 1 inch).
- Fig. 4. Part of vertical section through colony of *Cystodytes draschii*, showing free margin, &c.; slightly enlarged.
- Fig. 5. Ascidiozoid of *Cystodytes draschii*; natural size.
- Fig. 6. Two calcareous spicules from the test of *Cystodytes draschii*; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 7. Part of calcareous capsule showing overlapping spicules; magnified (S., 1 inch).
- Fig. 8. Connective-tissue cells from mantle of *Cystodytes draschii*; highly magnified (Z., $\frac{1}{12}$).
- Fig. 9. Part of mantle of *Cystodytes draschii*; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 10. Branchial siphon, &c., of *Cystodytes draschii*; highly magnified (Z., $\frac{1}{12}$).
- Fig. 11. Anterior end of Ascidiozoid of *Cystodytes draschii*; magnified (S., 1 inch).
- Fig. 12. Tentacles of *Cystodytes draschii*; magnified (S., $\frac{1}{4}$ inch, reduced).
- Fig. 13. Part of a tentacle of *Cystodytes draschii*; highly magnified (Z., $\frac{1}{12}$).
- Fig. 14. Tip of a tentacle of *Cystodytes draschii*; highly magnified (Z., $\frac{1}{12}$).
- Fig. 15. Tailed larva of *Cystodytes draschii*; magnified (S., 1 inch).