

PLATE XXXVII.

Figs. 1-8. *Cælocormus huxleyi*, n. sp.

Figs. 9-14. *Leptoclinum moseleyi*, n. sp.

a. Anus.
en. Endostyle.
i. Intestine.
l.s. Lower surface of colony.
m. Mantle.
m.b. Muscle band in mantle.

œ. Œsophagus.
sg. Stigmata of branchial sac.
sp, sp', sp''. Spicules in test.
sph. Sphincter.
st. Stomach.

t. Test.
t.c. Test cells.
t.m. Test matrix.
tr. Transverse vessel of branchial sac.
u.s. Upper surface of colony.

- Fig. 1. Colony of *Cælocormus huxleyi*, from the side; natural size.
- Fig. 2. Colony of *Cælocormus huxleyi*, from the edge, showing the terminal opening; natural size.
- Fig. 3. Section of part of colony of *Cælocormus huxleyi*; slightly enlarged.
- Fig. 4. Spicules from test of *Cælocormus huxleyi*; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 5. Part of mantle of *Cælocormus huxleyi*; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 6. Part of branchial sac of *Cælocormus huxleyi*; magnified (S., 1 inch).
- Fig. 7. Small part of branchial sac of *Cælocormus huxleyi*; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 8. Alimentary canal of *Cælocormus huxleyi*; magnified (S., 1 inch).
- Fig. 9. Colony of *Leptoclinum moseleyi*, from upper surface; natural size.
- Fig. 10. Vertical section of colony of *Leptoclinum moseleyi*, showing arrangement of spicules in test, and structure of Ascidiozooids; magnified (S., 1 inch).
- Fig. 11. Part of section of test of *Leptoclinum moseleyi*; highly magnified (S., $\frac{1}{8}$ inch).
- Fig. 12. Vertical section of branchial aperture of *Leptoclinum moseleyi*; highly magnified (S., $\frac{1}{8}$ inch).
- Fig. 13. Œsophageal region of Ascidiozoid of *Leptoclinum moseleyi*, showing arrangement of retractor muscles; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 14. Part of branchial sac of *Leptoclinum moseleyi*; highly magnified (S., $\frac{1}{4}$ inch).