

PLATE XLVI.

Figs. 1-8. *Chorizocormus reticulatus*, n. sp.

Figs. 9-14. *Synstyela incrustans*, n. sp.

<i>d.t.</i> Dorsal tubercle.	<i>ov.</i> Ova.	<i>tn, tn'</i> Tentacles.
<i>en.c.</i> Endocarp.	<i>p.p.</i> Peripharyngeal band.	<i>tr, tr'</i> Transverse vessel of branchial sac.
<i>g.</i> Polycarp.	<i>t.k.</i> Terminal bulb on vessel in test.	<i>t.v.</i> Spermatic vesicles.
<i>i.l.</i> Internal longitudinal bar of branchial sac.	<i>t.m.</i> Test matrix.	<i>v.</i> Vessel in test.

- Fig. 1. Large colony of *Chorizocormus reticulatus*; natural size.
- Fig. 2. Small colony of *Chorizocormus reticulatus*; natural size.
- Fig. 3. Small colony of *Chorizocormus reticulatus*; natural size.
- Fig. 4. Another small colony of *Chorizocormus reticulatus*; natural size.
- Fig. 5. Part of stolon of *Chorizocormus reticulatus*, showing vessels; highly magnified (S., $\frac{1}{4}$ inch).
- Fig. 6. Part of branchial sac of *Chorizocormus reticulatus*, seen from the interior; magnified (S., 1 inch).
- Fig. 7. Dorsal part of anterior end of Ascidiozoid of *Chorizocormus reticulatus*, showing tentacles, dorsal tubercle, &c; magnified (S., 1 inch).
- Fig. 8. Part of mantle of *Chorizocormus reticulatus*, seen from the inner surface, showing attached female polycarps (*g.*); magnified (S., 1 inch).
- Fig. 9. Colony of *Synstyela incrustans*; natural size.
- Fig. 10. Part of branchial sac of *Synstyela incrustans*, seen from the interior; magnified (S., 1 inch).
- Fig. 11. Larva of *Synstyela incrustans*, showing structure of tail; magnified (S., 1 inch).
- Fig. 12. Part of mantle of *Synstyela incrustans*, seen from the inner surface, showing female polycarps (*ov.*) in various stages of development; magnified (S., 1 inch).
- Fig. 13. Three male polycarps (*t.v.*) detached from mantle; magnified (S., 1 inch).
- Fig. 14. Four endocarps (*en.c.*) detached from mantle; magnified (S., 1 inch).