PLATE XXIV.

TUBULARIA COUTHOUYI Ag.

- [Figs. 1-6, drawn by A. Sonrel: the others by H. J. Clark.]
- Figs. 6-13 magnified 200 diameters; figs. 14-18 and 24-26, 100 diameters; fig. 19, 60 diameters; figs. 20-23, 40 diameters.
- Fig. 1. A group of female hydroids, natural size. a the stem; b the medusæ; p the proboscis; t the coronal tentacles.
- Fig. 1, B. A lateral view of the head of a hydromedusarium, magnified 5 diameters. a the stem; a^t the largest tubule; b the terminal expansion of the stem; c the base of the head; d d^t the meduse; c the medusiferous branches; t coronal tentacles.
- Fig. 1, C. The same as fig. 1, B, seen from the under side.
 Fig. 2. A male hydroid, with the proboscis (p) spread
- wide open. The letters as in fig. 1.
- Fig. 3. Another male hydroid, the head hanging downward. Letters as before.
- Fig. 4. The probose of a male hydra. a the base;
 t P P the tentacles. 5 diameters.
- Fig. 5. The broadly-expanded probose and a medusiferous branch of a male hydromedusarium (d ε). a the base of the probose is; b the decurrent bases of the tentacles (t t); d the oldest, c the youngest meduse. 5 diameters.
- Fig. 6. A medusa-bad, just beginning to form. a outer, and b inner wall; d chymiferous cavity.
- Fig. 7. A, a double-walled hernia-like medusa. at outer, and b inner wall; d chymiferous cavity. B, a far advanced bud. at outer wall; c ends of the radiating tubes; d the proboscis; c base of the radiating tubes; f germ-basis.
- Fig. 8. A little younger than fig. 7, B. The letters the same.
- Fig. 9. An exterior view, a little younger than fig. 7, B. The letters the same.
- Fig. 10. An interior view, showing three of the radiating tubes (c c'). The letters as in fig. 7. B.
- Fig. 11. A little older than fig. 7, B, and with the same letters.
- Fig. 12. The circular tube is formed. a b c as before; at outer wall of the disk; bt inner wall containing the radiating tubes; d base of the radiating tubes and probose is (dt).
- Fig. 13. A male medusa, a little older than the last, with corresponding letters, and also c⁴, junction of radiating and circular tubes, seen in the distance, and g, spermatic mass.

- Fig. 14. A nearly mature female medusa. c remains of the circular tube; d proboscis; c radiating tube; f germ-basis.
- Fig. 15. The chymiferous tubes obliterated, and the germ-basis (f'f') beginning to divide. a a' b b' d as in fig. 12; b' the base of the proboscis. Drawn as a sectional view.
- Fig. 16. The germ-basis, still further divided. a b f f¹ as in fig. 15; c as in fig. 14.
- Fig. 17. A sectional view of a medusa of the same age as that of fig. 16. The letters as in fig. 15, and c as in fig. 14.
- Fig. 18. The germ-basis nearly all divided off into hydrae (f¹ f²). a outer, and b inner walls of the pedicel: c junction of circular and radiating (c) tubes; d proboseis.
- Fig. 19. Similar to fig. 18, but not so far advanced. f germ-basis.
- Figs. 20, 21, 22, and 23. Similar to figs. 18 and 19, with the same letters.
- Fig. 24. The hydroids have escaped, but more of the germ-basis remains. Letters as in figs. 18 and 19: also at the wrinkled disk.
- Figs. 25 and 25°. Lateral and end view of an empty medusa. Letters as in fig. 24.
- Fig. 26. A male medusa. a outer, and b inner wall of the pedicel; c as in fig. 14; f spermatic mass; g disk cavity.

PLATE XXV.

HYBOCODON PROLIFER Ag.

- [Figs. 1, 2, 16, 15a, and 16b, drawn by A. Sonrel; the others by H. J. Clark.]
- Fig. 1 natural size; figs. 2 and 3 magnified 10 diameters; figs. 2^a, 14, 14^a, 15, 15^a, and 15^b, 40 diameters; figs. 4, 5, 6, 7, 8, 9, 200 diameters; figs. 10, 11, 12, 13, 100 diameters.
- Fig. 1. A single hydra. a the stem; t the coronal tentacles.
- Fig. 2. A profile view of the upper part of an individual, loaded with medusæ-buds. a the stem; a^t the horny sheath; b the top of the stem; c the base of the head; d d^t d^t e medusæ; t coronal tentacles; t^t t^t proboscidal tentacles.
- Fig. 2*. The probose's of fig. 2. p the mouth; p¹ the intervals of the exterior row (t) of tentacles; p¹ the decurrent bases of t²; t¹ inner row of tentacles.
- Fig. 3. A much older head than fig. 2, with the coronal tentacles (t) cut off near the base. a the stem; at