- Fig. 8. A minutely divided mass (ae). h h as before.
 Fig. 9. An overy of Tieropsis diademata, seen obliquely from above. a a a a a the median wall of the median; b b the innermost wall. 100 diameters.
- Fig. 9. A transverse, sectional view of fig. 9. The letters as above.
- Fig. 10. An incipient tentacle. a outer, and b inner wall of the bud; at outer, and b median wall of the disk; c circular canal. 400 diameters.
- Fig. 11. A young tentacle. a outer, and b inner wall;
 b the base. 400 dimmeters.
- Fig. 12. An ocular coronet, seen obliquely from above. a outer, and b median wall of the edge of the disk; a¹ outer wall of the tentacle; a² outer wall of the coronet; b¹ inner wall of the coronet; c the semicircle of refractive bodies; d the boss-like edge of the disk; c the pigment spot; f circular canal. 400 diameters.
- Fig. 13. The same as fig. 12, but seen strictly from above, so that the disk (h) partly overshadows it; the same letters; also g the innermost wall of the disk.
- Fig. 14. The same as fig. 12, seen from below, with similar letters.
- Fig. 15. An edgewise view of fig. 12, with similar letters.

PLATE XXXII.

DYNAMENA PUMILA Lomr.

- [Figs. 1, 4, and 4a, drawn by A. Sonrel; the rest by H. J. Clark.]
 Fig. 1. A hydrarium erceping over a sea-weed. Natural size.
- Fig. 2. Two pairs of hydra calycles; the hydra of the upper ones are omitted. a outer, and b inner wall; at outer wall of the upper pair; c ct base of the hydra where it passes through the semi-partition (d); m aperture of the calycle; ap operation of an immature hydra calycle; p the proboscis; t tentacles.
- Fig. 3. A pair of hydrae, and the bases of two branches, seen from the convex side. i the branch; k a calycle of the branch; op as in fig. 2. 100 diameters.
- Fig. 4. A hydra emerging for the first time from its calycle (b). Letters as in fig. 2. 100 diameters.
- Fig. 4s. The same as fig. 4, just before emerging.
- Fig. 5. An oblique end-view of a young, reproductive hydra. 125 diameters.
- Fig. 5a. The same as fig. 5, in profile. a, at the outer wall; d c the inner wall; c the calyele. 300 diameters.

- Fig. 6. A pair of young hydrae, a a a a a a the outer wall; b the fold of the horn-like sheath, at the base of the valyeles; b the sheath in process of formation; c the exterior portion of the sheath; d the inner wall of the matured stem; c c a inner wall of the young hydra; c inner wall of the growing stem; f f f f f the three divisions of the triple bad. 300 diameters.
- Fig. 68. The top of the branch from which figure 6 was taken. 40 diameters.
- Fig. 7. A female hydromedusa. a the axis; g the growing portion of the axis; h ramifications of the axis; av the eggs. 60 diameters.
- Fig. 8. A mature male hydromedusa; at the outer, and a the inner wall of the axis; b the outer, and b the inner wall of the medusa; a the calycle; g the terminal expansion of the axis; t the probose of the medusa; t the base of t; sp the spermatic mass, 100 diameters.
- Fig. 9. A mature female hydromedusa. Letters as in fig. 8; also or the eggs. 100 diameters.
- Fig. 10. A young hydromedusa. A the main stem; a^h c h b^h c g h as in figs. 7, 8, and 9, 80 diams.
- Fig. 10a. A group of hydromeduse. A the main stem;
 B C D the three calycles; h the branches decurrent from the axial, chymiferous canal; i point of junction of C and D; j the axis. 60 diameters.
- Fig. 11, a. A spermatic particle from fig. 8, 500 diameters. b c diagrammic figures of a.
- Fig. 12. A sectional view of a pair of hydra, and the terminal development of the main stem. a outer, and b the inner wall of the stem and the hydra; a' the the processes from a; c the aperture of the semi-partition (d); g the chymiferous channel; b the flat end of the stem. 100 diameters.
- Fig. 13, a c. Cells from the outer wall of fig. 14°. 500 diams. b c d f g h i diagrammic figures of a c.
- Fig. 14. Profile view of figs. 5 and 5*. a the hydromedusa; m the mouth of a hydra-calycle; A the stem. 125 diameters.
- Fig. 14*. A pair of hydrae, just beginning to bud from the main stem. a the outer, and d the inner wall; c the horn-like sheath; c² the end of the inner wall of the stem; c c³ the inner wall of the hydrae. 300 diams.
- Fig. 15. A hydra just before the tentacles develop. The letters as in fig. 12; also m the chitinous sheath, between the hydra and the main stem; I the rooflike end of the calyele. 300 diameters.
- Fig. 16. An egg removed from the medusa, like that in fig. 9. A the yolk, 500 diameters; B the egg-