

PLATE XVII.

Figs. 1-9. *Cynthia complanata*, Herdman.

Figs. 10-16. *Cynthia papietensis*, n. sp.

Figs. 17-21. *Cynthia pallida*, Heller.

- Fig. 1. *Cynthia complanata*, seen from the right side ; natural size.
- Fig. 2. A small portion of the test of *Cynthia complanata*, showing the calcareous spicules (*sp.*) ; magnified (Hartn., obj. 4).
- Fig. 3. Some of the calcareous spicules from the test, enlarged to show the arrangement of the echinations ; much magnified (Hartn., obj. 7).
- Fig. 4. A small portion of the mantle, showing the musculature and the spicules ; magnified (Hartn., obj. 4).
- Fig. 5. Some of these calcareous spicules (*sp.*) enlarged, showing the membranous sheaths connecting them ; much magnified (Hartn., obj. 7).
- Fig. 6. Parts of these spicules and their sheaths ; still more magnified to show details (Hartn., obj. 10).
- Fig. 7. Part of the branchial sac, seen from the inside, showing two of the folds (*br.f.*) and the interspace ; magnified (Hartn., obj. 4).
- Fig. 8. Two of the calcareous spicules from the branchial sac in the last figure ; much magnified (Hartn., obj. 7).
- Fig. 9. The dorsal tubercle of *Cynthia complanata*, showing the convoluted course of the slit ; enlarged.
- Fig. 10. A small specimen of *Cynthia papietensis*, seen from the right side ; natural size.
- Fig. 11. A larger specimen of the same species, seen from the right side ; natural size.
- Fig. 12. Part of the branchial sac of *Cynthia papietensis*, seen from the inside, showing a fold (*br.f.*), an interspace, part of the dorsal lamina (*l.*), the dorsal tubercle (*d.t.*), and the peritubercular area ; magnified (Hartn., obj. 4).
- Fig. 13. Two of the calcareous spicules from the same branchial sac ; much magnified (Hartn., obj. 7).
- Fig. 14. Part of the test of *Cynthia papietensis*, showing the branched vessels (*v.*), terminating in knobs (*t.k.*), and the calcareous spicules (*sp.*) ; magnified (Hartn., obj. 4).
- Fig. 15. Three of the calcareous spicules from the test in the last figure, much enlarged to show the screw-nail appearance (Hartn., obj. 7).
- Fig. 16. Part of the circle of tentacles in *Cynthia papietensis*, showing three orders, two compound (*tn.* and *tn'.*), and one simple (*tn''.*) ; magnified (Hartn., obj. 4).
- Fig. 17. Part of the branchial sac of *Cynthia pallida*, seen from the inside ; magnified (Hartn., obj. 4).
- Fig. 18. A small portion of the mantle of *Cynthia pallida*, showing the calcareous spicules (*sp.*) ; magnified (Hartn., obj. 4).
- Fig. 19. Some of these calcareous spicules, more enlarged (Hartn., obj. 7).
- Fig. 20. A small portion of one of the spicules, still more enlarged, to show the arrange-