

PLATE XXXIV.

Ersæa compressa, n. sp. (p. 123).

(Monogastric generation or free Eudoxia of *Diphyopsis compressa*, PL XXXIII.)

- Fig. 9. A sessile young cormidium (or an immature *Ersæa*) attached to the stem (*a*) of *Diphyopsis compressa*. The cormidium is composed of two sterile medusomes, the first consisting of the bract (*b*), the siphon (*s*), and the tentacle (*t*); the second representing a "special nectophore" (*nn*); *cr*, radial canals of the latter; *so*, mouth of the siphon; *sb*, basigaster; *cs*, phyllocyst; *co*, oleocyst.
- Fig. 10. A somewhat older cormidium than that shown in fig. 9, with larger nectophore (*nn*) and smaller bract (*b*) detached from the stem. Characters as in fig. 9; *w*, subumbrella of the nectophore; *v*, its velum; *uo*, ostium of the umbrella (*u*). The bract (*b*) of this specimen is rudimentary, and its apical cucullate part (with the phyllocyst) is cut off; *tk*, cnidosacs of the tentacle.
- Fig. 11. A mature and fully developed male *Ersæa*, detached from the stem of *Diphyopsis compressa*, and swimming freely. The cormidium is composed of four persons, two sterile medusomes and two male gonophores (*h*). The first sterile medusome consists of a bract (*b*), a siphon (*s*), and a tentacle (*t*). The second sterile medusome is represented by a large "special nectophore" (*nn*). *bs*, Superior, cucullate part of the bract, with the phyllocyst (*cs*) and the oleocyst (*co*); *bz*, inferior, mantle-shaped or funnel-shaped, part of the bract, with four basal lobes; *so*, mouth of the siphon; *sb*, basigaster; *tk*, cnidosacs of the tentacle (*t*); *hx*, cavity of the spadix; *hm*, spermarium.
- Fig. 12. An isolated ripe androphore. *hm*, Spermarium; *hx*, cavity of the spadix; *u*, umbrella; *uo*, its ostium.
- Fig. 13. An isolated ripe gynophore. The manubrium (*fm*) is filled with large ovules. *o*¹, Nucleolus; *o*², nucleus; *o*³, protoplasm of the ovule; *fp*, pedicle; *w*, subumbrella; *u*, umbrella; *uo*, its ostium.
- Fig. 14. An older gynophore, the manubrium (*fm*) of which contains only four large ovules. *cc*, Circular canal which connects the four radial canals (*cr*); *fp*, pedicle of the gonophore; *cp*, peduncular canal. The other characters as in fig. 13.
- Fig. 15. A portion of a radial canal (*cr*) and of the ring-muscles of the subumbrella (*w*) of a gonophore.
- Figs. 16, 17. Denticulate edges of the umbrella of a gonophore.
- Fig. 18. A single tentillum, highly magnified. *ts*, Pedicle; *tl*, elastic ligament of the cnidosac; *kg*, large lateral cnidocysts; *km*, small median cnidocysts; *kp*, distal pyriform cnidocysts; *tf*, terminal filament.