

PLATE IV.

Figs. 1, 2.—*Plumularia stylifera*.

Fig. 1.—Natural size.

Fig. 2.—Portion of a hydrocladium with gonangium ; magnified.

Figs. 3, 4.—*Plumularia armata*.

Fig. 3.—Natural size.

Fig. 4.—Portion of stem with hydrocladia and male and female gonangia ; magnified.

Figs. 5, 6.—*Antennularia fascicularis*.

Fig. 5.—Natural size.

Fig. 6.—Portion of stem with hydrocladia and gonangium ; magnified.

Figs. 7, 8.—*Polyplumaria pumila*.

Fig. 7.—Natural size.

Fig. 8.—Portion of main stem, with two primary pinnæ and hydrocladia ; magnified. One of the primary pinnæ carries a gonangium, and every hydrocladium bears an accessory ramulus.