

*C. phrygium* DeBl. — *Lucernaria phrygia* Fabr.<sup>1</sup> — *Greenland* (Fabricius); *Grand Manan, Bay of Fundy* (W. Stimpson).

*C. arcticum* Ag. — *Myriothela arctica* Sars. — *Spadix purpurea* Gosse, *Ann. and Mag. Nat. Hist.*, 1855, p. 125; *Mar. Zool.*, p. 19, fig. 25. — *Norway* (Sars); *English Coast* (Gosse).

*Dipurena* McCr.<sup>2</sup>

*D. straugulata* McCr., Pl. 9, fig. 1. — *Charleston Harbor* (McCrady).

*D. cervicata* McCr. — *Charleston Harbor* (McCrady).

*D. conica* A. Ag. — *Naushon, Buzzard's Bay* (A. Agassiz).<sup>3</sup>

*Slabberia* Forbes.

*S. halterata* Forbes, *Nak. Med.*, Pl. 6, fig. 1. — *Cornwall* (Forbes).

4th Family. CYTÆIDÆ Agass.<sup>4</sup>

*Cytæis* Esch. (not Sars).

*C. tetrastyla* Esch., Pl. 8, fig. 2; *Eyd. and Soul.*, *Bonite, Zooph.*, Pl. 2, figs. 4–15. — *Atlantic Ocean, Equator* (Eschscholtz).

*C. pusilla* Gegenb., Pl. 8, fig. 8. — ? *Bougainvillia mediterranea* Busch. — *Messina* (Gegenbaur).

5th Family. CLADONEMIDÆ Gegenb., *Zeit. w. Zool.*, 1856.

*Cladonema* Duj. — *Medusa: Stauridia Wright.* — *Hydra: Stauridia Duj.*

*C. radiatum* Duj., *Ann. sc. nat.*, 1845, Pls. 14 and 15, C. — *British Channel or Mediterranean* (Dujardin).

*Eleutheria* Quatr. — *Hydra: Clavatella Hincks*, *Ann. and Mag.*, 1861, Vol. VII. Pl. 7.

*E. dichotoma* Quatr., *Ann. sc. nat.*, 1842, Pl. 8. — *Isles Chausey* (Quatrefages).

<sup>1</sup> Mr. W. Stimpson has called my attention to the generic identity of *Lucernaria phrygia* Fabr. and Sars' *Myriothela*, which is unquestionable. I have compared a specimen collected by Mr. Stimpson at Grand Manan with the descriptions of the European species, and find that they agree in their generic characters. The name first proposed by DeBlainville for this genus must, therefore, be retained. The medusa is not yet known.

<sup>2</sup> According to Forbes' statement, the ovaries of *Slabberia* are upon the radiating tubes: in *Dipurena* they are upon the proboscis. This seems to indicate either an incorrect observation or different affinities.

<sup>3</sup> *Dipurena conica* A. Ag. Spherosome conical; thickness of disk tapering rapidly from abactinal

pole to circular tube: digestive trunk elongated, with a slight constriction at the base and another near the middle, tapering towards extremity, does not quite extend to the level of the veil; the four marginal tentacles with large bulbs at the base, and very marked eye-specks, surrounded by reddish pigment-cells; terminal bulb of tentacles about twice the diameter of the tentacle itself; height of spherosome and diameter across the circular tube one eighth of an inch. — *Naushon, Buzzard's Bay, September* (A. Agassiz).

<sup>4</sup> This family differs, chiefly, from the Sarsiadæ, by the presence of tentacles at the end of the proboscis. The species referred to *Cytæis* by Sars, belong to the family of *Bougainvillidæ*.