

*Æ. purpurea* Pér. and LeS.; *M. Edwards*, in *Cuv. Règn. An. Zooph.*, Pl. 43, fig. 3.—*Polyxenia purpurea* Esch.—*New-Holland, Endracht* (Péron and LeSueur).<sup>1</sup>

*Crematostoma* A. Ag.<sup>2</sup>

*C. flava* A. Ag.<sup>3</sup>—*Gulf of Georgia, W. T.* (A. Agassiz).

*Mesonema pileus* Less., Pl. 6, fig. 1, belongs to this genus.

*Melicerta* Less.<sup>4</sup>

*M. morehella* Less., Pl. 6, fig. 4.—*Geryonie morille*, Pl. 6, fig. 4. Origin unknown.

*Mesonema* Esch.

*M. Coelum pensile* Esch.—*M. coerulescens* Köll.—*Medusa Forsk.*, Tab. 28, B.—*Æquorea mesonema* Pér. and LeS.—*Æquorea Risoana DelleCh.*, Pl. 73, figs. 1 and 2.—*Mediterranean* (Forskål).

*M. macrodactylum* Br., Pl. 4.—*Pacific, Equator* (Mertens).

*M. abbreviata* Esch., Pl. 11, fig. 3.—*Sunda* (Eschscholtz).

*Zygodaetyla* Br.—*Rhacostoma* Agass.

*Z. coerulescens* Br.—*Mesonema coerulescens* Br., Pl. 5.—*Pacific Ocean, Lat. 35° N., Long. 144° W.* (Mertens).

*Z. dubia* Ag.—*Mesonema dubium* Br., Pl. 26.—*Conception Bay and Coast of Chili* (Mertens).

*Z. groenlandica* Ag.—*Æquorea groenlandica* Pér. and LeS.—*Medusa Æquorea Fab.*—*Medusa globularis* Mod.—*Rhacostoma atlanticum* Ag.—*Greenland* (Fabricius); *Coast of Maine, Bay of Fundy, and Massachusetts Bay* (Agassiz).

<sup>1</sup> Judging from the figure of LeSueur, published by Milne-Edwards, this species belongs to a different genus.

<sup>2</sup> *Crematostoma* A. Ag. Digestive cavity hanging down below the level of the circular tube; lips of actinostome large, lanceolate, fimbriated, and as numerous as the chymiferous tubes, of which there are from sixty to eighty. One large marginal tentacle opposite the base of each of the chymiferous tubes, without intermediate ones.

<sup>3</sup> *Crematostoma flava* A. Ag. Spherosome very heavy, of a slight blueish tinge. Chymiferous tubes broad, extending down the projection of the disk into the cavity of the bell. Tentacles with a broad base, dark yellow, as well as the chymiferous tubes; the ovaries extend from the circular

tube to the base of the digestive cavity. The digestive cavity is almost colorless, but the lips of the actinostome are of the same color as the base of the tentacles. Ratio of actinal to polar diameter as three to one and three quarters; from three to four inches in diameter.—*Gulf of Georgia, Washington Territory* (A. Agassiz).

<sup>4</sup> The name *Melicerta* or *Melicertum* has been applied to two very different genera, among *Aequorea*. It is to be retained for the type to which *Medusa campanula* Fab. belongs, and for which Lesson proposed the name *Campanella*, unfortunately already preoccupied; see p. 349. *Melicerta* Less. must be changed, but I forbear to do it, as this *Medusa* is little known. *Melicerta Perla* Pér. and LeS. seems to be a young *Pelagia*.