

The paper of J. McCrady upon the Gymnophthalmata of Charleston harbor, published in the Proceedings of the Elliott Society of Natural History in 1858, contains much interesting, and some highly important and novel, information upon the naked-eyed Medusæ of South Carolina, to which I shall have frequent opportunities of referring hereafter. For the present, I shall only allude to the classification he has proposed of the lowest order of the Acalephs. He is the first naturalist who has adopted the order of Hydroids with the limits I have assigned to it; but he has introduced a new arrangement of the minor groups.

CLASSIFICATION OF THE HYDROIDS BY J. McCRADY, 1858.

1st Sub-order. ENDOSTOMATA.

1st Family. *Coryniidæ*. Oceanidæ: Oceania, Turritopsis, Turris, Modeeria, Saphenia.

Sarsiadæ: Sarsia, Corynitis, Dipurena, Slabberia.

Clavidæ: Clava.

2d Family. *Veleidæ*. Veleva, Porpita, Chrysomitra, Rataria.

3d Family. *Tubularidæ*.

Pennaridæ: Cladonema, Zanclea, Pennaria, Willsia.

Tubularidæ: Steenstrupia, Euphysa, Tubularia, Corymorpha.

Hippocrenidæ: Nemopsis, Lizzia, Bougainvillea, Hippocrene, Cytaxis, Eudendrium, Hydractinia.

4th Family. *Siphonophoræ*.

Physophoridæ: Forskalia, Agalma, Agalmopsis, Physophora, etc.

Hippopodidæ: Hippopodius, Vogtia.

Diphyidæ: Prayia, Diphyes, Eudoxia, etc.

Physalidæ: Physalia.

2d Sub-order. EXOSTOMATA.

1st Family. *Campanularidæ*.

Thaumantiadæ: Thaumantias, Staurophora, Tiaropsis.

Eucopidæ: Geryonopsis, Tima, Eucope, Eucheilota, Epenthesis, Campanularia.

2d Family. *Sertularidæ*. Sertularia, Halecium, Thuiaria, Plumularia, Aglaophenia, Antennularia.

3d Family. { *Circeidæ*. Circe, Persa, Aglaura.
Trachynemidæ. Trachynema, Rhopalonema.
Stomobrachidæ. Stomobrachium, Mesonema.
Geryonidæ. Geryonia, Liriope.
Æquoriadæ. Æquorea, Rhacostoma.

4th Family. *Æginidæ*. Cunina, Ægina, Ægineta, Æginopsis, Polyxenia.

Besides extensive and valuable contributions upon the structure and affinities of the Acalephs in general, published in the Transactions of the Royal Society of London, and of the Siphonophoræ in particular, published in Müller's Archiv, Huxley has lately proposed a new classification of the latter, which he calls Hydrozoa.