

*Bolinopsis* Ag. 1860, p. 201. — *Bolina* Mert. 1833.

This genus differs from *Bolina* in having its anterior and posterior rows of locomotive flappers extending to the bend of the chymiferous tubes, and the abactinal direction of the medial anastomosis of the latter, which trend in the opposite direction in *Bolina*. The spherosome is papillate, while that of *Bolina* is smooth. The large lobes are deeply indented.

*B. elegans* Ag. — *Bolina elegans* Mert. — *South Sea* (Mertens).

3d Family. MNEMIIDÆ Esch. (restricted).

There are two groups of genera included in this family: *Mnemia* (Alcinœ), *LeSueuria*, and *Mnemiopsis* the body of which is smooth, and *Eucharis*, *Chiaja*, and *Leucothea* with a papillate surface; but, until the structure of these papillæ is better known, the value of this difference in regard to classification must remain doubtful.

*Mnemia* Esch. 1825.

*M. Schweiggeri* Esch. — *Rio Junciro, Brazil* (Eschscholtz).

*M. Kuhlîi* Esch. — *Pacific Ocean, near the Equator, Long. 180° of Greenwich*.

Judging from the figure and description of Eschscholtz, this species must be generically distinct from *M. Schweiggeri* on account of its abactinal appendages.

*Alcinœ* Rang 1829.

*A. vermiculata* Rang. — *Coast of Brazil; abundant in the Bay of Rio Junciro* (Rang).

*A. rosea* Mert. — *Off the Falkland Islands* (Mertens).

Although this genus is generally adopted, I am strongly inclined to believe that it is founded upon the same species as the genus *Mnemia* of Eschscholtz. There is nothing in the description of *Mnemia Schweiggeri* Esch. to preclude the possibility of its identity with *Alcinœ vermiculata* Rang, and both were observed in the same locality.

*Alcinœ norvegica* Less. is a true *Bolina*, *B. norvegica*.

I am unable to ascertain what *Alcinœ Smithii* Forbes may be. It is said to be found near Ailsa Craig and on the Irish coast.

*LeSueuria* Milne-Edw. 1841.

*L. vitrea* M.-Edw. — *Mediterranean: Bay of Nizza* (Milne-Edwards).

*Mnemiopsis* Agass. 1860, p. 269.

*M. Gardeni* Ag. See p. 269. — *Charleston, S. Carolina* (Agassiz).