

# DESCRIPTION OF GENERA AND SPECIES.

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## Order CUMACEA.

### Family I. CUMIDÆ.

The most characteristic feature of this family is the total want, in both sexes, of exopodites on the four posterior pairs of legs, a character not found in any other known group of Cumacea. These legs also exhibit a very simple structure, and possess only a scanty supply of bristles. On the other hand, the males are distinguished by the presence of five pairs of well-developed pleopoda, and there is only one other family, Vaunthompsoniidæ, which agrees with the Cumidæ in this respect, whereas the males of all other known Cumacea either have a less number of these limbs, or want pleopoda altogether, as in the females. As a character peculiar to this family may also be mentioned the highly indurated and strong integuments, the full development of the branchial apparatus, and the total want of a telson.

Of the five genera comprised within this family, only the genus *Cyclaspis* is represented in the Challenger collection.

#### *Cyclaspis*, G. O. Sars, 1864.

*Cyclaspis*, G. O. Sars, Om den aberrante Krebsdyrgruppe Cumacea og dens nordiske Arter, p. 81.

*Generic Characters.*—Carapace large and swollen, almost globular, with the dorsal line strongly curved, and the pseudorostral projection very slight; a distinct notch on each side anteriorly beneath the latter projection. Ocular lobe more or less produced, and usually having at its end a distinct eye. Only four segments of the trunk exposed behind the carapace, the anterior rather large, the three others suddenly much narrower, and scarcely broader than the caudal segments. Tail very slender and elongate, last segment obtusely produced at the tip. Antennulæ with one of the flagella very small, knob-shaped, the other biarticulate, and bearing two long sensory appendages at the extremity. Posterior lip with the lateral lobes armed at the tip with strong teeth.