

The genera included in this section and represented in the Challenger collection are the following:—

A. Endostome or palate without distinct longitudinal ridges defining the openings of the efferent branchial channels (family Cancridæ, Dana).

a. Fingers of the chelipedes acute or subacute (subfamilies Cancrinæ and Xanthinæ, Dana).

*Cancer*, Lamarck.

*Carpilius*, Desmarest.

*Atergatis*, de Haan.

*Lophactæa*, A. Milne Edwards.

*Lophozozymus*, A. Milne Edwards.

*Medæus*, Dana.

*Actæa*, de Haan.

*Atergatopsis*, A. Milne Edwards.

*Xantho*, Leach.

*Xanthodes*, Dana.

*Panopeus*, Milne Edwards.

*Micropanope*, Stimpson.

b. Fingers of the chelipedes more or less distinctly excavated at the tips and spoon-shaped (subfamily Chlorodiinæ, Dana).

*Etisus*, Milne Edwards (pt.).

*Carpilodes*, Dana.

*Zozymus*, Leach.

*Actæodes*, Dana.

*Leptodius*, A. Milne Edwards.

*Phymodius*, A. Milne Edwards.<sup>1</sup>

<sup>1</sup> A remarkable parallelism in structure (exhibited in the following table, which also indicates a more natural classification) exists between the genera of these two subsections. Were the types in the Challenger collection more numerous, this parallelism could be exhibited in further detail.

1. Carapace widely transverse. Antennules longitudinally or obliquely plicated. The flagella of the antennæ excluded from the orbital hiatus by the enlargement of the basal antennal joint.

*Cancer*, Lamarck.

*Etisus*, Milne Edwards.

2. Carapace usually moderately transverse. Antennules obliquely or transversely plicated; the flagella of the antennæ not excluded from the orbits.

a. Basal antennal joint produced within the interior hiatus of the orbit; ambulatory legs not cristated.

*Carpilius*, Desmarest.

*Carpilodes*, Dana.

b. Basal antennal joint not produced within the interior orbital hiatus, but in contact with the front, or with the infero-lateral frontal process.

\* Ambulatory legs carinated or cristated.

*Atergatis*, de Haan.

*Lophactæa*, A. Milne Edwards.

*Lophozozymus*, A. Milne Edwards.

*Zozymus*, Leach.

\*\* Ambulatory legs not carinated nor cristated.

*Medæus*, Dana.

*Actæa*, de Haan.

*Atergatopsis*, A. Milne Edwards.

*Xantho*, Leach.

*Xanthodes*, Dana.

*Panopeus*, Milne Edwards.

*Micropanope*, Stimpson.

*Actæodes*, Dana.

*Leptodius*, A. Milne Edwards.

*Phymodius*, A. Milne Edwards.