

Dana's families Portunidæ and Platyonychidæ, and the new arrangement of the genera, in which I have reduced the number of the subfamilies, is a modification of that indicated by the eminent French carcinologist.

In the Catometopa, or Grapsoid Crabs, the increase in the number of the genera in the family Ocypodidæ necessitated a revision of their classification, and I have accordingly proposed a new arrangement, differing alike from that of Dana and of H. Milne Edwards in 1852-54.¹

Here, also, I have somewhat reduced and recharacterised the subfamilies, regarding as sectional divisions several which have been proposed, and thereby, it is hoped, simplifying the arrangement. Dana's family, Mycteridæ, is not sustained.

In the Pinnotheridæ, I have constituted a new subfamily, Hexapodinæ, for those curious forms in which the fifth ambulatory legs are rudimentary or aborted. The arrangement of the Ocypodoidea now proposed agrees much more nearly with Dana's than with that of Professor Milne Edwards, by whom the genera *Mycteris*, *Scopimera* and *Dotilla* (*Doto*) are separated from the Pinnotheridæ. In uniting these three genera as a distinct subfamily, Mycterinæ, of the Pinnotheridæ, I have, I trust, violated no natural affinities, but rather relegated them to their true position in the system.

In the Oxystomata, a somewhat heterogeneous group, which it will perhaps be found hereafter impossible to sustain in its entirety,² the arrangement followed is, as already stated, that of Dana. In rearranging the genera of the Leucosiidæ, however, I have thought it advisable to establish two new subfamilies, pending a more thorough revision of the subject than time and opportunity allowed to be made in the present Report.

¹ Cf. Milne Edwards' Memoire sur la famille des Ocypodiens, *Ann. d. Sci. Nat.*, Zool., ser. 3, vol. xviii. pp. 128-164, pls. iii., iv., 1852; vol. xx. pp. 163-224, pls. vi.-xi., 1853.

² The diagnosis of this group, which was wanting in the MSS. when sent to Edinburgh, is supplied in the appendix to the Report.