

Cænobita perlata, H. Milne-Edwards.

- Cænobita perlata*, Milne-Edwards, Hist. Nat. des Crust., t. ii. p. 242, 1837; in Cuvier, Règne Anim., éd. 3e, Crust., pl. xlv. fig. 1, no date.
 " " De Haan, Crust. Japon., p. 213, 1850.
 ? " *purpurea*, Stimpson, Proc. Acad. Nat. Sci. Philad., p. 83, 1858.
Cænobita perlata, Brocchi, Ann. d. Sci. Nat., sér. 6, t. ii. p. 40, pl. xv. figs. 45-47, 1875.
 ' " " Miers, Ann. and Mag. Nat. Hist., ser. 5, vol. v. p. 372, 1880; Crust. in Zool. H.M.S. "Alert," p. 555, 1884.

Habitat.—Specimens from the following localities are with some hesitation referred to this species:—

Kandavu, Fiji Islands, shore, August 1874. Two males, one of considerable size, the smaller in a shell of *Bulimus (Placostylus) seemanni*, Dohrn (a terrestrial Mollusc).
 Api, New Hebrides, shore. A female, of small size, in a shell of *Natica albumen*, Linn.
Cænobita perlata occurs at widely separate localities throughout the Pacific.

Family II. PAGURIDÆ.

- Paguridæ*, Dana, U.S. Explor. Exped., vol. xiii., Crust., part i. p. 435, 1852.
 ,, Stimpson, Proc. Acad. Nat. Sci. Philad., p. 70, 1858.

Antennular peduncle of moderate size, the first joint short and stout, the second and third slender and cylindrical; both flagella of small size. Antennal peduncle sub-cylindrical. Species marine.

This family includes the greater number of known Pagurids. A synoptical arrangement of genera, partly based on the tables furnished by Dana and Stimpson, is given below:—

- I. Abdomen spirally twisted or bent abruptly, soft and membranous, the segmentation imperfect (Pagurinae, Dana).
1. First and second abdominal segments without genital appendages.
 - a. Fourth pair of legs chelate or subchelate. Males without a protruded vas deferens.

<i>Diogenes</i> , Dana.		<i>Clibanarius</i> , Dana.
<i>Pagurus</i> (Fabricius), Dana.		<i>Isocheles</i> , Stimpson.
<i>Aniculus</i> , Dana.		<i>Eupagurus</i> , Brandt.
<i>Calcinus</i> , Dana.		<i>Ostraconotus</i> , A. Milne-Edwards.
 - b. Fourth pair of legs subchelate. Males with a protruded vas deferens.

<i>Spiropagurus</i> , Stimpson.		<i>Catapagurus</i> , A. Milne-Edwards.
		<i>Anapagurus</i> , Henderson.
 2. First and second abdominal segments provided with genital appendages (the first segment only in the female).

<i>Paguristes</i> , Dana.		<i>Tylaspis</i> , n. gen.
		<i>Sympagurus</i> , S. I. Smith.
- II. Abdomen not spirally twisted, composed of distinct movable segments which are usually calcified (Cancellinae, Dana).
- | | | |
|------------------------------------|--|--|
| <i>Cancellus</i> , Milne-Edwards. | | <i>Pomatocheles</i> , Miers. |
| <i>Glaucothoë</i> , Milne-Edwards. | | <i>Mixtopagurus</i> , A. Milne-Edwards. |
| | | ? <i>Xylopagurus</i> , A. Milne-Edwards. |