

The largest example (a female) in the Challenger series measures as follows :—

Adult ♀.	Lines.	Millims.
Length of carapace, nearly	5½	11
Breadth of carapace, nearly	8	16·5

Phymodius, A. Milne Edwards.

Phymodius, A. Milne Edwards, Ann. d. Sci. Nat., ser. 4, Zool. xx. p. 283, 1863; Nouv. Archiv. Mus. Hist. Nat., vol. ix. p. 217, 1873.

Chlorodius (section 1), Dana, U.S. Explor. Exped., vol. xiii., Crust., p. 205, 1852.

This genus is very nearly allied to the foregoing (*Leptodius*) from which it is distinguished merely by the narrower, nearly hexagonal carapace, which is lobulated not only in front, but also (less distinctly) in its posterior part, by the more elongated chelipedes, whose merus-joints in the typical species are prolonged beyond and are not covered by the antero-lateral margins of the carapace, and by the more or less distinctly granulated or spinuliferous merus, carpus, and penultimate joints of the ambulatory legs. The basal antennal joint is united largely with the infero-lateral process of the front in the typical species. The chelipedes are more or less distinctly tuberculated or spinuliferous.

Phymodius is distinguished from *Chlorodius*, as restricted by recent authors, only by the more distinctly lobulated carapace and chelipedes.

The following species are referred to this genus :—

Phymodius angulatus (Milne Edwards), with vars. *gracilis*, Dana, and *curtimanus*, Dana. Indian Ocean to Polynesian Islands.

Phymodius monticulosus (Dana) = *Chlorodius areolatus*, Adams and White (*nec* Milne Edwards); *Xantho peuce*, White; *Chlorodius obscurus*, Jacq. and Lucas. Indo-Pacific Region.

Phymodius rugipes (Heller). Red Sea.

Phymodius maculatus (Stimpson). Tortugas; West Indies.

Phymodius monticulosus (Dana).

Xantho peuce, White, List Crust. Brit. Mus., p. 125, 1847.

Chlorodius areolatus, Adams and White, Crust. in Zool. H.M.S. "Samarang," p. 41, pl. xi. fig. 3, 1848; *nec* Milne Edwards.

Chlorodius monticulosus, Dana, Proc. Acad. Nat. Sci. Philad., p. 79, 1852, U.S. Explor. Exped., vol. xiii., Crust. 1, p. 206, pl. xi. fig. 9, 1852.

? *Chlorodius obscurus*, Jacquinot and Lucas, Crust. in Voy. au Pole Sud. Zool., t. iii. p. 26, pl. iii. fig. 4, 1853, *bad.*

? *Phymodius obscurus*, A. Milne Edwards, Nouv. Archiv. Mus. Hist. Nat., vol. ix. p. 220, 1873.

Samboangan (beach). Several specimens of different sizes were collected.

The colour of the carapace (in dried or spirit specimens) varies from reddish or chocolate-brown to greyish-yellow.