

Two of the genera, viz., *Ostraconotus* and *Tylaspis*, agree in having the posterior part of the carapace broad and firm, and the abdomen poorly developed, characters in which they differ from all other Paguridæ.

Genus *Diogenes*, Dana.

- Diogenes*, Dana, U.S. Explor. Exped., vol. xiii., Crust., part i. p. 438, 1852.
 „ Stimpson, Proc. Acad. Nat. Sci. Philad., p. 70, 1858.
 „ Heller, Crust. südlichen Europa, p. 169, 1863.
 „ Haswell, Catal. Austral. Crust., p. 156, 1882.
 „ Henderson, Proc. Roy. Phys. Soc. Edin., vol. ix. part i. p. 66, 1886.

Front with a movable rostriform process situated between the ocular peduncles, but distinct from the rostrum. Antennal acicle with a broad base, occasionally bifid; the flagellum ciliated and frequently short. Chelipedes unequal, the left larger; fingers moving in an oblique plane. Second and third pairs of legs with long dactyli; the fourth pair subcheliform.

Diogenes custos (Fabricius).

- Pagurus custos*, Fabricius, Suppl. Ent. Syst., p. 412, 1798.
 „ „ Latreille, Hist. Nat. des Crust. et Insect., t. vi. p. 165, 1802.
 „ „ Olivier, Ency. Méth., t. viii. p. 644, 1811.
 „ „ Milne-Edwards, Ann. d. Sci. Nat., sér. 2e, t. vi. p. 284, 1836; Hist. Nat. des Crust., t. ii. p. 236, 1837.
Diogenes custos, Dana, U.S. Explor. Exped., vol. xiii., Crust., part i. p. 439, pl. xxvii. fig. 10, 1852.
 „ „ Stimpson, Proc. Acad. Nat. Sci. Philad., p. 83, 1858.
 „ „ Hess, Decapoden-Krebse Ost-Australiens, p. 35, 1865.
 „ „ Haswell, Catal. Austral. Crust., p. 157, 1882.

Habitat.—Port Jackson; depth, 2 to 10 fathoms. An adult male. It is recorded by Stimpson from the same locality, and by Dana also from New South Wales.

Diogenes custos extends from the Australian seas to the shores of India.

Diogenes brevirostris, Stimpson (Pl. VI. fig. 3).

- Diogenes brevirostris*, Stimpson, Proc. Acad. Nat. Sci. Philad., p. 83, 1858.
 „ „ Studer, "Gazelle" Crust., Abhandl. d. k. Akad. d. Wiss. Berlin, p. 23, 1883.

Habitat.—Simon's Bay; depth, 10 to 20 fathoms. A female with ova, in an imperfect state of preservation.

Stimpson's types were from the above locality. This species may eventually prove to be synonymous with *Diogenes varians* (Costa), as the latter appears to be subject to considerable variation. The Challenger specimen differs, however, from the typical form