

1879. *Phronima*, Claus, Der Organismus der Phronimiden, p. 4.
 1879. *Phronima*, Grenacher, Untersuch. über das Sehorgan der Arthropoden.
 1881. „ Delage, Appareil circul. des Crust. édriophth. marins, Arch. de Zool. Exp. et Gén., vol. ix. (p. 90, sep. copy).
 1881. „ Gordon, The Scottish Naturalist, vol. vi. p. 56.
 1882. „ Streets, Study of Phronimidæ N. Pacific, Proc. U.S. Nat. Mus., vol. v. p. 4.
 1884. „ Claus, Elementary Text-Book of Zoology (translation by Sedgwick, pp. 452, 455).
 1885. „ Carus, Prodrömus Faunæ Mediterraneæ, pars ii. p. 423.
 1886. „ Gerstaecker, Bronn's Klassen und Ordnungen, Bd. v. Abth. ii. p. 488.
 1886. „ Thomson and Chilton, Trans. New Zealand Inst., vol. xviii. p. 150.
 1887. „ Bovallius, Systematical List of Amph. Hyper., Bihang till K. Svensk. Vetensk.-Akad. Handl., Bd. 11, No. 16, p. 25.
 1887. „ Giles, On six new Amphipods from the Bay of Bengal, Journ. Asiat. Soc. Bengal, vol. lvi. pt. ii. No. 2, p. 212.

For the original definition of the genus, see Note on Latreille, 1802 (p. 72), but this definition is less to the purpose than the original description of the type-species, *Cancer sedentarius*, for which see Note on Forskål, 1775 (p. 38). Forskål speaks of ten feet on each side, explaining that of these twenty feet seven pairs belonged to the thorax. Latreille, thinking apparently only of thoracic feet, changed twenty into ten, and the fifth pair of feet into the third, ignoring the two pairs of gnathopods. What Latreille intended by the "salient setaceous palps" is not quite clear. The mandibles in this genus are without palps in both sexes; the lower antennæ are multiarticulate only in the male. For the definition of the genus by Claus, see Note on Claus, 1879 (p. 487).

Claus, in his Text-Book of Zoology, translation by Sedgwick, 1884, says (p. 455) that the female of *Phronima* "lives with its offspring in *Pyrosoma* and *Diphyidæ*, Mediterranean." This may throw some light on the mysterious genus *Diphyicola*, Costa, 1862.

Phronima pacifica, Streets (Pl. CLIX.).

1877. *Phronima pacifica*, Streets, Bulletin of the U.S. Nat. Mus., No. 7, p. 128.
 1882. „ „ Streets, Proc. U.S. Nat. Mus., vol. v. p. 6, pl. i. figs. 3, 3a.

Postero-lateral angles of the first three pleon-segments scarcely produced or acute, the third segment not so deep as the second.

The *Eyes*, *Antennæ*, and *Mouth-Organs* agree very nearly with the corresponding parts as figured and described by Claus for *Phronima sedentaria* (Forskål), the differences being of a minute character and in some instances possibly depending only on the particular view obtained of the organs; for example, in our specimen no marginal teeth could be perceived on the finely furred edges of the outer plates of the *Maxillipeds*, but these plates had two little setules at the apex, and two on the outer and one on the inner margin.

First Gnathopods.—First joint nearly as long as the following four, second longer than broad, third scarcely longer than the second, the projecting distal margin straight,