

*Alpheus avarus*, Fabricius (Pl. CI. fig. 1).

- Alpheus avarus*, Fabricius, Suppl. Entom. Syst., p. 404.  
 „ „ de Haan, in Siebold's Fauna Japonica, Crust., p. 179 (*bis-incisus*) pl. xlv. fig. 3.  
 „ „ Heller, Reise der Novara, Crust. p. 108.  
*Palæmon brevirostris*, Olivier, Encycl., tom. viii. p. 664, pl. cccxix. fig. 4.  
*Alpheus parvirostris*, Dana, U.S. Explor. Exped., Crust., p. 551, pl. xxxv. fig. 30.  
 „ *brevirostris*, Milne-Edwards, Hist. Nat. Crust., tom. ii. p. 350.  
 „ *doris*, White, List. Brit. Crust., p. 75, 1847.  
 „ *strenuus*, Dana, U.S. Explor. Exped., Crust., p. 543, pl. xxxiv. fig. 4, 1852.  
 „ *strenuus*, Miers, Ross's Voyage of the "Erebus" and "Terror," Crust., p. 5, 1874.  
 „ *doris*, White, Ross's Voyage of the "Erebus" and "Terror," Crust., tab. 4, fig. 2, 1873.

This species was first described by Fabricius and again by de Haan. The latter has figured it under the name of *Alpheus bis-incisus* on the plate but corrected it in the text to *Alpheus avarus*.

It appears to differ very little from the species that I have figured as *Alpheus edwardsii* from Cape Verde Islands, and which corresponds very closely with the figure of *Athanas edwardsii* given by Audouin. With the specimens of the two species before me, the only variation between them that I can detect is that in *Alpheus avarus* the larger hand is horizontally grooved on each side from the notch on the upper surface, whereas in *Alpheus edwardsii* it is on the outer side only, and the prominence behind the same notch in *Alpheus edwardsii* is less in the form of a tooth than in *Alpheus avarus*.

Milne-Edwards says that *Alpheus avarus* is probably identical with *Alpheus brevirostris*, Olivier, and according to his description there is nothing to distinguish between them.

Among the specimens that I think may be attributed to this species is one from Torres Strait, which very closely agrees with the description, so far as it goes, of a species given by Dana under the name of *Alpheus acuto-femoratus*, as shown on the next page.

Length, entire, . . . . .	22 mm. (0·8 in.)
„ of carapace, . . . . .	8 „
„ of pleon, . . . . .	14 „
„ of large hand, . . . . .	12 „
„ of dactylos of large hand, . . . . .	4 „
„ of small hand, . . . . .	8 „
„ of dactylos of small hand, . . . . .	4 „
„ of telson, . . . . .	4 „

*Habitat*.—Arafura Sea ; Albany Island, Cape York.

Station 172, June 22, 1874 ; lat. 20° 58' S., long. 175° 9' W. ; off Nukalofa, Tongatabu ; depth, 18 fathoms ; bottom, coral mud. Two specimens, males (?). Dredged.

Station 234, June 3, 1875 ; lat. 32° 31' N., long. 135° 39' E. ; off Japan ; depth, 2675 fathoms ; bottom, blue mud ; bottom temperature, 35°·8. One specimen, female.