

Thenus orientalis, Rumph.

Thenus orientalis, Rumph, Mus., part 2, fig. D; Milne-Edwards, Hist. Nat. des Crust., t. ii. p. 286.

Cancer (Astaus) arctus, Herbst, t. xi. p. 80, pl. xxx. fig. 1.

Scyllarus orientalis, Fabr., Suppl. p. 399; Latr., Hist. Nat. des Crust., t. vi. p. 181: Encycl., pl. cccxiv.; Desmarest, Consid. des Crust., p. 182, pl. xxxi. fig. 1.

Habitat.—Station 188, Arafura Sea, south of New Guinea; September 10, 1874; lat. 9° 59' S., long. 139° 42' E.; depth, 28 fathoms; bottom, green mud.

The only specimen taken was about 25 mm. (1 inch) in length, and had all the pleopoda in a very feeble and immature condition; just budding. From its young and imperfect character I have not been able to determine the sex to which the animal belongs.

Arctus, Dana.

Scyllarus (part.), Fabr., de Haan, et Auct.

This genus was established by Dana to contain several species that differed from the typical *Scyllarus* in having the external antennæ separated widely from each other, in having no ephysis attached to the second pair of gnathopoda, and in having nineteen branchiæ instead of twenty-one, as exist in *Scyllarus*.

It corresponds with the fifth subgenus of De Haan's genus *Scyllarus*.

Geographical Distribution.—This genus is found sparsely all over the northern hemisphere, in the warm temperate regions. *Arctus ursus* is found on the European shores as far north as the south coast of Devon and Cornwall, and south as far as the Mediterranean. *Arctus pygmæus* and *Arctus immaturus* are from the Canary and Cape Verde Islands, and *Arctus orientalis* is from the Philippine Sea. *Arctus americanus* has been found on the western coast of North America, *Arctus vitiensis* in the seas about the Fiji Islands, and *Arctus sordidus*, and *Arctus haani* in the seas about Japan. There is among the late General Hardwick's drawings, in the possession of the Plymouth Institution, the figure of a species resembling *Arctus pygmæus*, specifically named *ceylonensis*, after the locality where it was found, but I am not aware of its having been described.

Thenops scyllariformis, recorded by Bell¹ as having been found in the London clay, exhibits scarcely a feature that is not common to *Arctus*.

Arctus sordidus, Stimpson (Pl. IX. fig. 3).

Arctus sordidus, Stimpson, Proc. Acad. Nat. Sci. Phil., January 1860; Prodr. Crust. Macr., p. 8; Crust. Macr.

Carapace as long as wide at the anterior angles. Median crest bicuspidate; anterior cusp close behind the frontal margin; second much more elevated and larger than the

¹ *Palæont. Soc. Trans.*, pl. vii.