

extremity of the ophthalmopod. In most other respects the species resembles *Benthesicymus brasiliensis*.

Length (male), 150 mm. (6 in.) measured from tip of rostrum to extremity of telson.

*Habitat*.—Station 133, October 11, 1873; lat. 35° 41' S., long. 20° 55' W.; in the South Atlantic, near Tristan da Cunha; depth, 1900 fathoms; bottom, Globigerina ooze; bottom temperature, 35°·4. Two specimens; the larger is a male, the smaller, which is a female about 50 mm. in length, is more slender, but I take it to be a younger specimen of this species. Trawled.

*Benthesicymus altus*, Spence Bate (Pl. LVIII. fig. 1).

*Benthesicymus altus*, Sp. B., *loc. cit.*, p. 191.

Rostrum short, compressed, thin, apex styliform, crest armed with two teeth and terminating at the cervical fossa, which is clearly marked. The posterior three somites of the pleon are much compressed, and the last is dorsally furnished with a small but decided carina. The males are like the females, but with the dorsal ridge on the fifth and sixth somites produced to a minute tooth at the posterior extremity. Telson half the length of the outer branch of the rhipidura, sides laterally compressed, posterior half armed with three small distant spines.

*Habitat*.—Station 184, August 29, 1874; lat. 12° 8' S., long. 145° 10' E.; between Australia and New Guinea; depth, 1400 fathoms; bottom, Globigerina ooze; bottom temperature, 36°. One specimen, associated with a smaller one closely resembling *Benthesicymus brasiliensis*. Trawled.

Length (female), 120 mm. (4·75 in.).

Station 214, February 10, 1875; lat. 4° 33' N., long. 127° 6' E.; south of the Philippines; depth, 500 fathoms; bottom, blue mud; bottom temperature, 41°·8. Three males. Dredged.

Length, 63 mm. (2·5 in.).

Station 170, July 14, 1874; lat. 29° 55' S., long. 178° 14' W.; off the Kermadec Islands; depth, 520 fathoms; bottom, volcanic mud; bottom temperature, 43°. Trawled.

Station 171, July 15, 1874; lat. 28° 33' S., long. 177° 50' W.; north of the Kermadec Islands; depth, 600 fathoms; bottom, hard ground; bottom temperature, 39°·5. Numerous specimens. Trawled.

Station 174c, August 3, 1874; lat. 19° 7' 50" S., long. 178° 19' 35" E.; off Kandavu, Fiji; depth, 610 fathoms; bottom, coral mud; bottom temperature, 39°. A sickly-looking specimen, destitute of scaphocerite and rostrum. Trawled.

Station 205, November 13, 1874; lat. 16° 42' N., long. 119° 22' E.; Philippine Islands; depth, 1050 fathoms; bottom, blue mud; bottom temperature, 37°·0. One female. Trawled.