

A NEW CAPRELLID (AMPHIPODA, CAPRELLIDEA)
Caprella (Rostrhicephala) generosa N. SP., COLLECTED
IN TATEYAMA BAY, IN JAPAN

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Caprella (Rostrhicephala) generosa n. sp.

(New Japanese name: Kizoku-warekara)

Figs. 1—2

OCCURRENCE: Tateyama Bay, Chiba Prefecture, depth 3.5m, on *Gelidium*, 8 males and 9 females, collected by Arimoto, IV, 17, 1969. Coll. no. 511.

DESCRIPTION: Male: Holotype: Body length 4.6mm (fig. 1): Body smooth; pereonite II a little shorter than other pereonites, III to V subequal and a little shorter than II, VI and VII taken united together about as long as V in length; head angularly projection in front.

Antenna 1 a little shorter than half of body length, and flagellum 10-segmented; antenna 2 a little longer than peduncle of antenna 1, with setae.

Incisor of mandible divided into 5 teeth distally, lacinia mobilis 4-toothed, molar projection widely, with 2 setal rows on right mandible. Outer lobe of maxilla 1 with 5 spines apically; segment 1 of palp shorter than segment 2, segment 2 long with several spines apically. Inner lobe of maxilliped small with several spines on apical margin, outer lobe longer and broader than inner lobe, extending far beyond segment 1 of palp, with three teeth, and several long spines, segment 1 of palp about twice as long as wide, segment 2 longer than 1, with several long spines, segment 3 a little shorter than 2, its distal half bearing several spines especially on inner surface, distal segment a little shorter than 3, and narrow and curved.

Gnathopod 2 large, attached to rather hinter part of pereonite II, its segment 1 a little shorter than pereonite II, propodus large, twice as long as broad, base of palm with two grasping spines and two subgrasping, poison tooth situated near the front part of palm, and distal angle of palm triangular in shape, the palm fringed with long spines.

Gills attached to the pereonites III and IV, elongate.

Segment 3 of pereopod 5 is broad and with several long spines at outer margin, segment 5 longer than the 4, and twice as long as broad with long spines at four points, palmar margin with several spines at four points; pereopods 6 and 7 missing.

Female: Allotype: Body 5mm long (Fig. 1): Body smooth; pereonites III and IV each with a pair of oostegites on ventrolateral side.

Flagellum of antenna 1 9-segmented. Gnathopod 2 attached to near front of pereonite II.

Young male: Body 2.6mm in length (Fig. 1): Pereonites II to VII subequal in length, I very shorter than any other pereonites; flagellum of antenna 1 3-segmented; gills are oblong; pereopod 7 longest of other pereopods and a little longer than the a half of body length.

Young female: Body length 3mm (Fig. 2): Body smooth with delicately hairs on back, pereonites III and IV with small oostegits on near the gills; flagellum of antenna 1 7-segmented; gills elongate.

DISTRIBUTION: Type locality: Tateyama Bay.

Off Toyoma, Fukushima Prefecture, depth 2m, to *Sargassum*, 8 males and 1 female, collected by Isao Tenjin and Arimoto, VI, 26, 1968. Coll. no. 679 (3).—Kobuchi, Miyagi Prefecture, attached to *Sargassum*, 1 male and 1 female, collected by Akira Hirayama, X, 22, 1975. Coll. no. 538. —Nishiwakkanai, Hokkaido, 1 male, on Seaweed, collected by Tomita, Kaneko and Tajima, Wakkanai Fish, Exp. St., VIII, 22, 1975. Coll. no. 758.

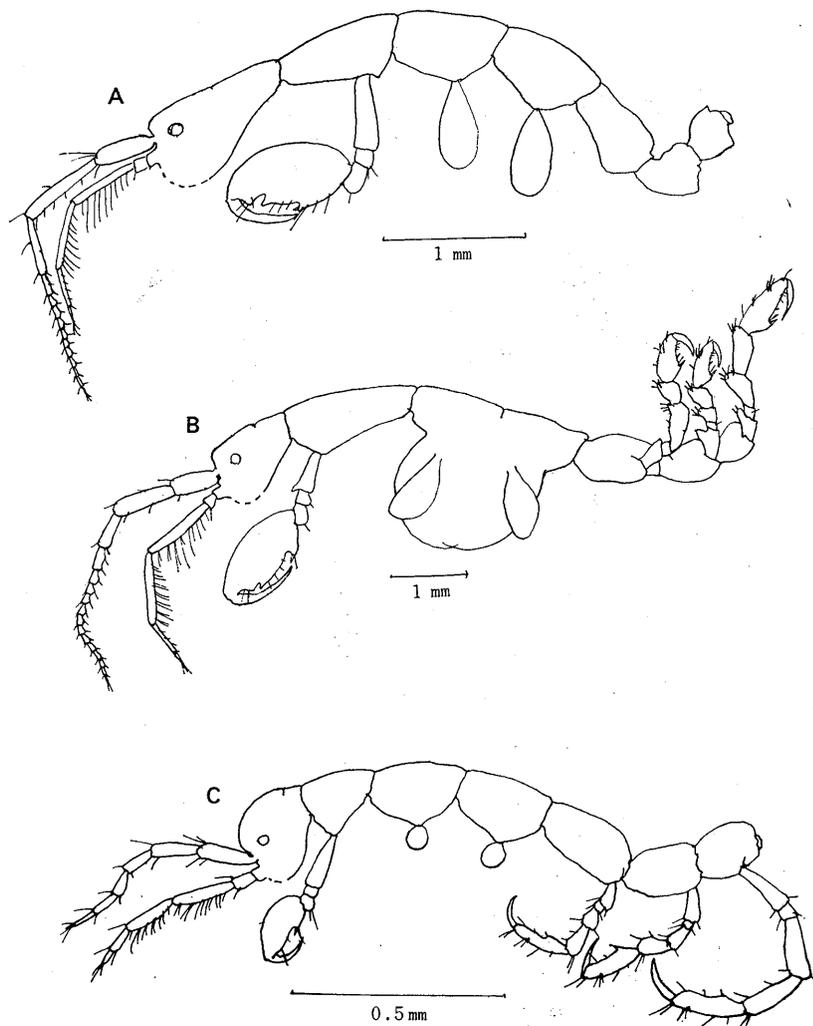


Fig. 1. *Caprella (Rostrhicephala) generosa* n. sp.
A, male; B, female; C, young male.

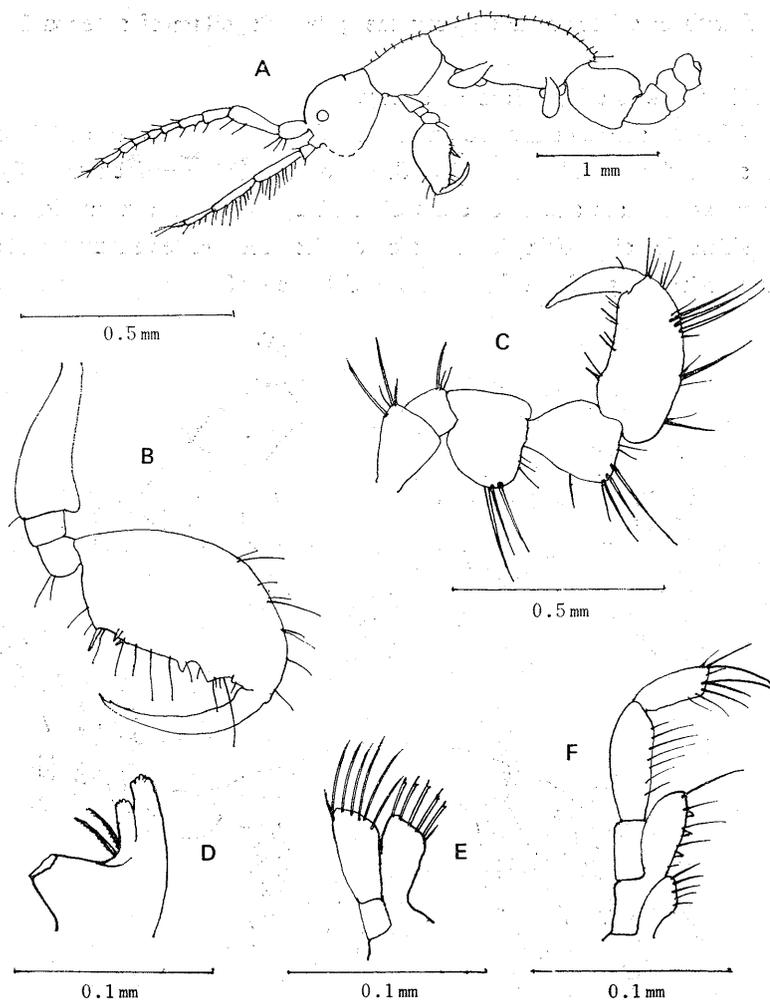


Fig. 2. *Caprella (Rostrhicephala) generosa* n. sp.

A, young female; B, gnathopod 2 of female; C, pereopod 5 of female;
D, mandible of female; E, maxilla 1 of female; F, maxilliped of female.

REMARKS: This species closed to *Caprella (Rostrhicephala) tsugrensis* but the propodus of gnathopod 2 differs from the later species.

Literature Cited

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