

**Key to the Unciolidae Reported from the
Southern California Bight, SCAMIT, Edition 14**
D. Pasko 18May2017 (Rev. 6Oct2023)

INFRAORDER COROPHIIDA

Superfamily Aoroidea

FAMILY UNCIOLIDAE

Subfamily Acuminodeutopinae

Acuminodeutopus heteruropus JL Barnard in
JL Barnard & Reish 1959

Acuminodeutopus periculosus JL Barnard
1969

Rudilemboides stenopropodus JL Barnard in
JL Barnard & Reish 1959

Rudilemboides sp A SCAMIT 1998 §

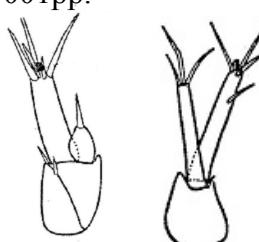
Key to the SCB Unciolidae

1. Uropod 3 inner ramus less than half the length of the outer *Acuminodeutopus* 2
- Uropod 3 rami subequal in length *Rudilemboides* 3
2. Male carpus with single defining tooth extending to or beyond end of propodus; female gnathopod 2 anterior margin of basis with several small spines
..... *Acuminodeutopus heteruropus*
- Male carpus with double defining tooth not quite reaching end of propodus; female gnathopod 2 anterior margin of basis naked or nearly so *Acuminodeutopus periculosus*ⁱ
3. Both carpus and propodus of male gnathopod 1 with defining tooth; female gnathopod 2 basis with short spines along anterior margin, palm transverse *Rudilemboides* sp A
- Male gnathopod 1 without defining tooth, hind margin of carpus somewhat serrated; female gnathopod 2 basis setose along anterior margin, palm excavate
..... *Rudilemboides stenopropodus*

REFERENCES:

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- Barnard, J. L. 1969a. A biological survey of Bahia de Los Angeles, Gulf of California, Mexico. IV. Benthic Amphipoda (Crustacea), Transactions of the San Diego Society of Natural History, 15(13):175-228
- Cadien, DB. 2004. Amphipoda of the Northeast Pacific (Equator to Aleutians, intertidal to abyss): III. Aoroidea - a review. Donald B. Cadien, LACSD 22 July 2004 (revised 15May2015)
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ⁱ Not yet reported by SCAMIT agencies.



Acuminodeutopus heteruropus (left) and
Rudilemboides stenopropodus (right)
(from J. L. Barnard & Reish 1959)

Acuminodeutopus heteruropus

PLATE 7

(from JL Barnard 1959)

Acuminodeutopus heteruropus, n. gen. n. sp.

Male, 2.0 mm, station 3B.

Fig. A, B, gnathopods 1, 2; C, head; D, antenna 2; E peraeopods 2, 3, 5; H, antenna 1; I, J, K, uropods L, telson; M, mandible.

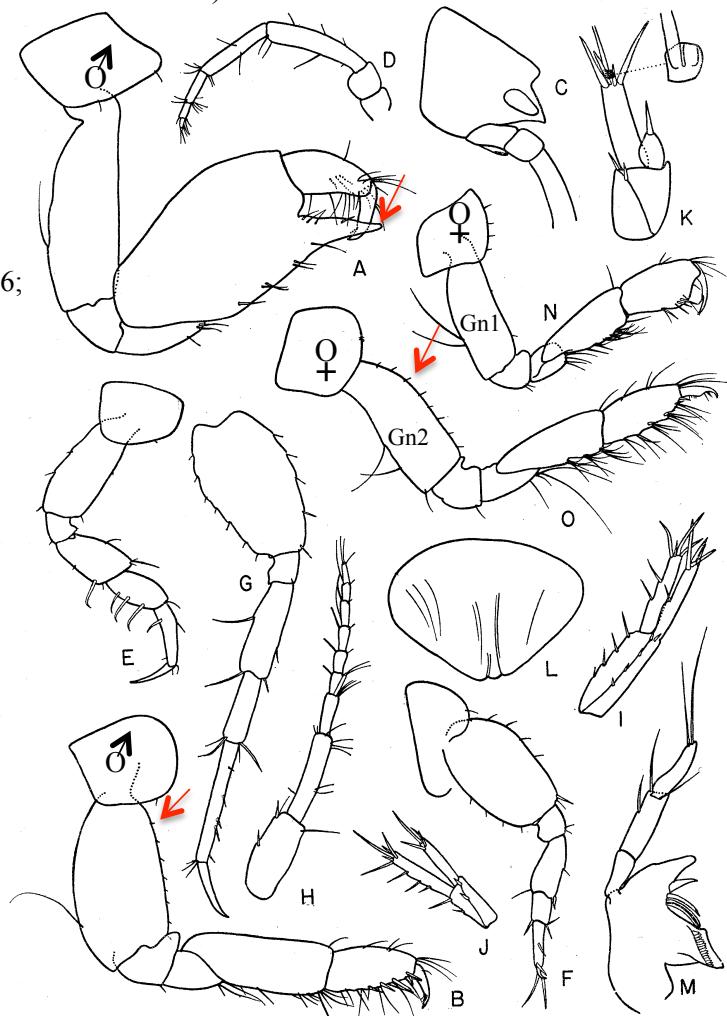
Female, 1.7 mm, station 3B.

Fig. N, O, gnathopods 1, 2.

- Male single tooth Gn1, Art 5, extends beyond article 6;
- Male spinous anterior margin Gn2, Art 2, uniform width, only slightly narrowing proximally;
- Female Gn2, Art 2, anterior margin spinose (no long setae, which are present in *R. stenopropodus*).



Female Gn2;
NIWC S7, 2021



Acuminodeutopus periculosus

(from JL Barnard 1969-Bahia de Los Angeles)

- Male, bifurcate tooth Gn1, Art 5, does not extend beyond article 6;
- Male spinous anterior margin Gn2, Art 2, much narrower proximally;
- Female naked Gn2, Art 2 anterior margin.

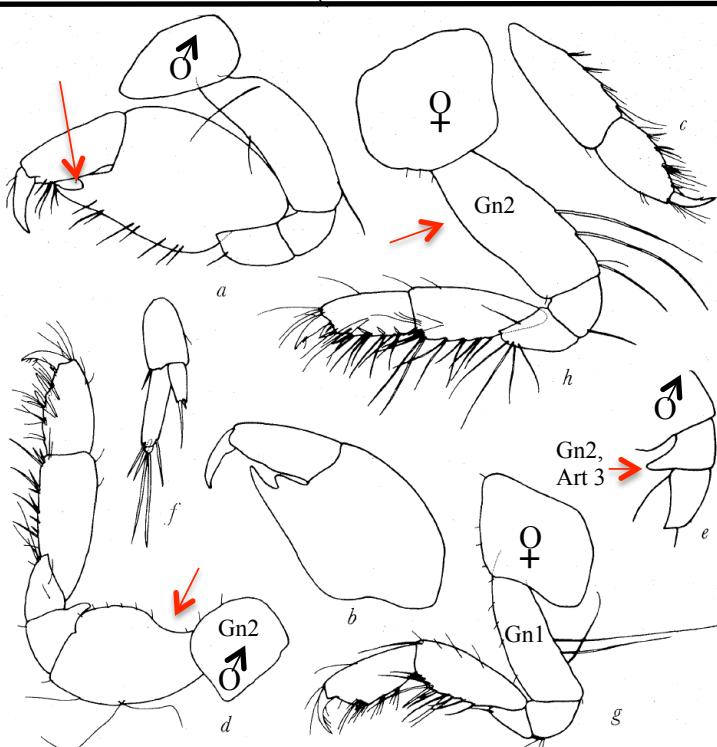
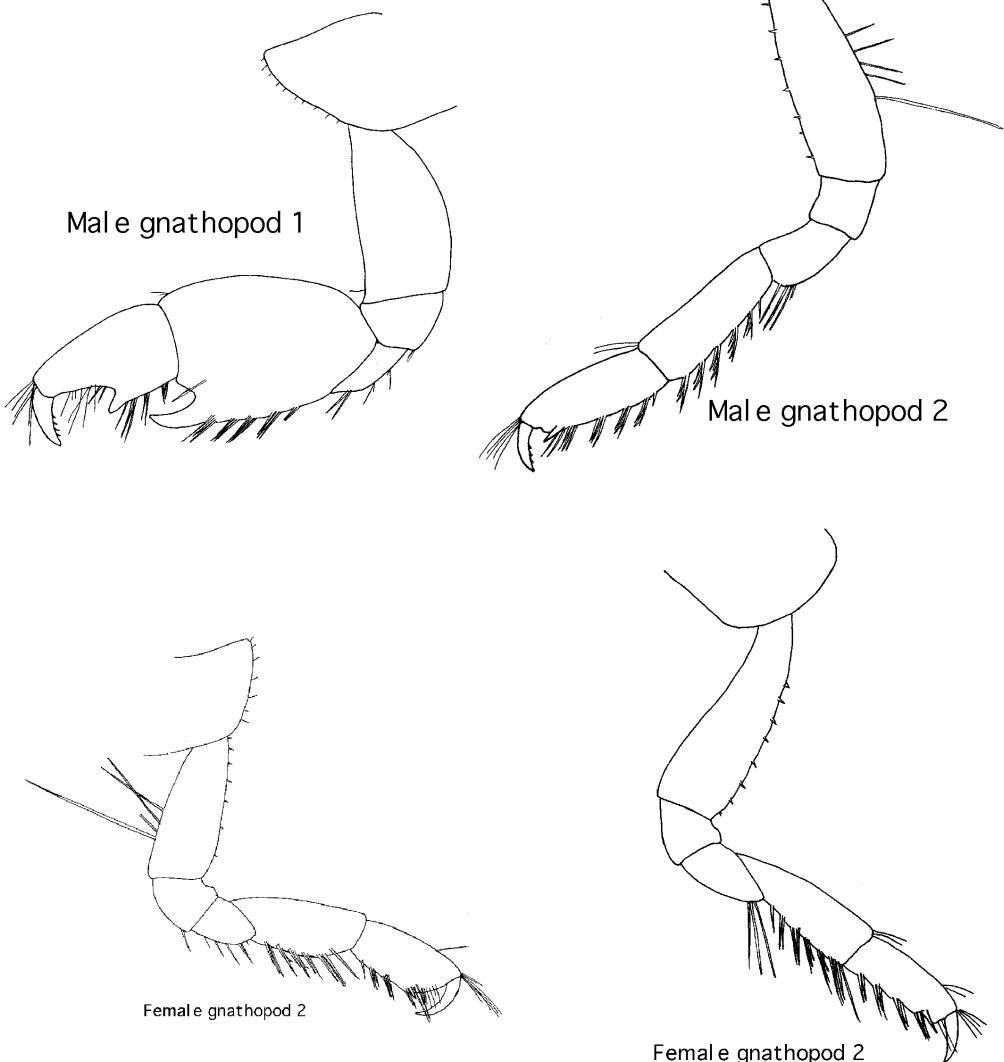
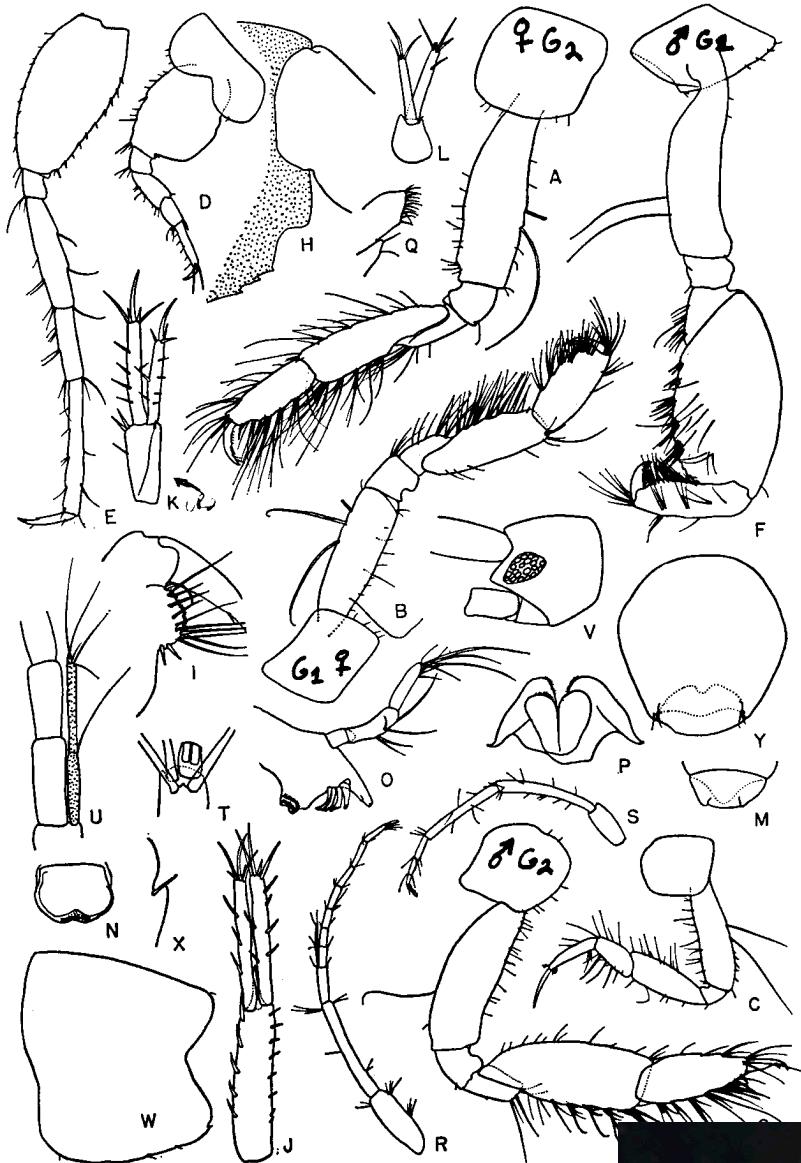


Figure 9. *Acuminodeutopus periculosus*, new species, male, 3.0 mm, BLA 116: a, b, gnathopod 1; c, d, e, gnathopod 2; f, uropod 3. Female, 3.0 mm: g, h, gnathopods 1, 2.

Rudilemboides sp A



Rudilemboides stenopropodus (from JL Barnard 1959)



Rudilemboides stenopropodus, n. gen.
n. sp. **Female**, 4.25 mm, station 31B.
Fig. A, B, gnathopods 2, 1; C, D, E,
peraeopods 2, 3, 5 ; J, K, L, uropods 1,2,
3 ; M, telson; N, upper lip ; O,
mandible ; P, lower lip ; Q, maxilla 2 ;
T, end of outer ramus, uropod 3. **Male**,
3.5 mm, station 31B. Fig. F, G,
gnathopods 1, 2; H, end of article 5,
gnathopod 1, stippled ; I, end of article
6, gnathopod 1 ; R, S, antennae 1, 2; U,
accessory flagellum, stippled; V, head;
W, pleon segment 3 ; X, notch of pleon
segment 3; Y, telson.

