

Artificial Key to the Pardaliscidae Reported from the Southern California Bight, SCAMIT, Edition 11

Dean Pasko, 11-April-2016; Rev 10-Nov-2017

INFRAORDER LILJEBORGIDA SUPERFAMILY PARDALISCOIDEA FAMILY PARDALISCIDAE

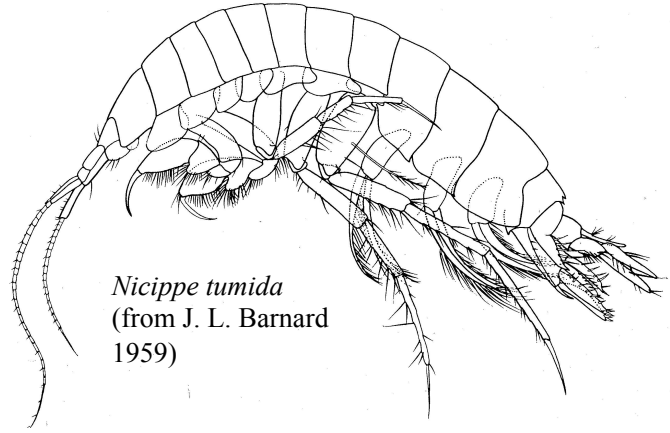
Halicoides synopiae (J. L. Barnard 1962)

Nicippe tumida Bruzelius 1859

Pardalisca tenuipes G.O. Sars 1895

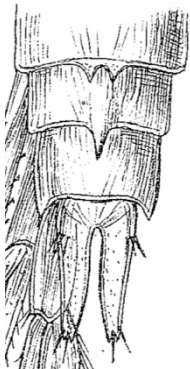
Pardaliscella symmetrica J. L. Barnard 1959

Rhynohalicella halona J. L. Barnard 1971

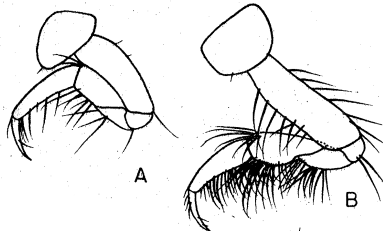


Nicippe tumida
(from J. L. Barnard 1959)

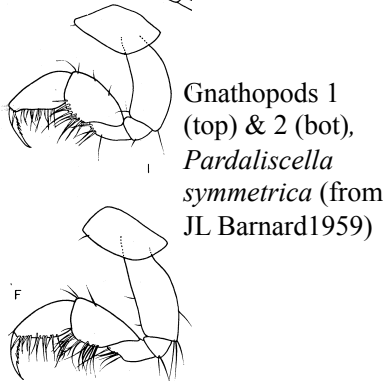
1. Mouthparts forming a cone-like bundle; urosomites 1 and 2 each with postero-dorsal tooth, urosomite 2 tooth much longer than that on urosomite 1 *Rhynohalicella halona*
- Mouthparts not forming a cone-like bundle; urosomite 1 with bifurcate tooth or without teeth 2
2. Urosomite 1 with bifurcate dorsal tooth 3
- Urosomite 1 smooth, lacking dorsal teeth 4
3. Gnathopods 1 and 2 with carpus subequal to or shorter than propodus, dactyls not shortened; urosomite 2 without tooth *Nicippe tumida*
- Gnathopods 1 and 2 with carpus much longer than slender propodus, dactyls short; urosomite 2 with single tooth *Pardalisca tenuipes*
4. Rostrum large, reaching 2/3 of antenna 1, article 1; gnathopods 1 and 2 with propodus not broad proximally, narrow, elongate, and generally longer than carpus; coxae 1–2 rounded *Halicoides synopiae*
- Rostrum short; gnathopods 1 and 2 subequal to carpus, propodus broad proximally, narrowed distally; coxae 1–4 subquadrate broader than long *Pardaliscella symmetrica*



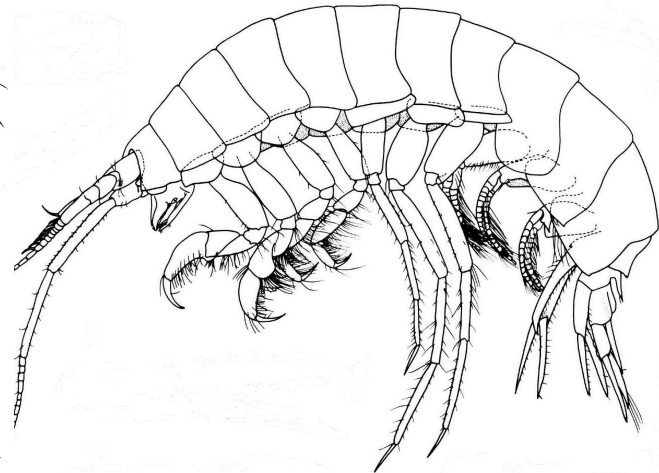
Urosomites 1-3 & telson, *Pardalisca tenuipes* (from Sars 1895)



Gnathopods 1 & 2, *Halicoides synopiae* (from JL Barnard 1962)

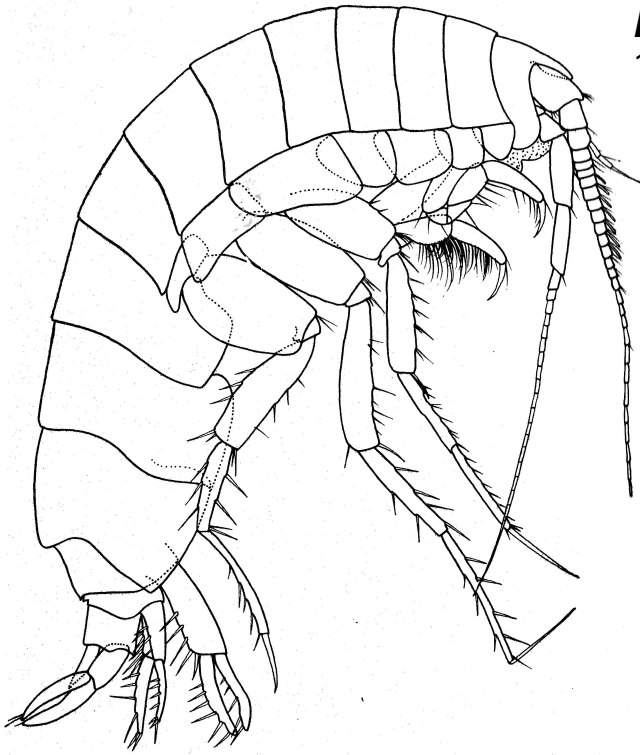


Gnathopods 1 (top) & 2 (bot), *Pardaliscella symmetrica* (from JL Barnard 1959)



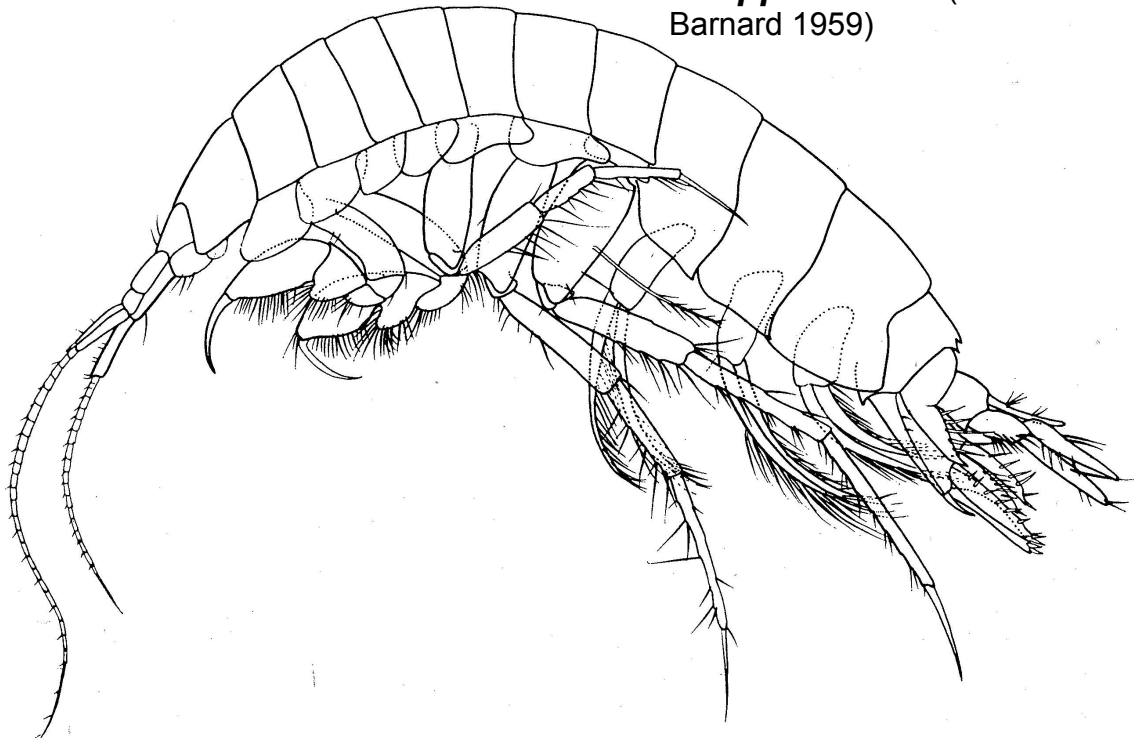
Rhynohalicella halona (From J. L. Barnard 1971)





Halicoides synopiae (From J L Barnard 1962)

- Antenna 1 with multi-articulate accessory flagellum
- Rostrum large (reaching 2/3 peduncular article 1)
- Gnathopods 1 & 2, article 6 narrow, elongate
- Gnathopods 1 & 2, article 5 w/o lobe, article 5 < 6
- Urosomites smooth, without dorsal teeth



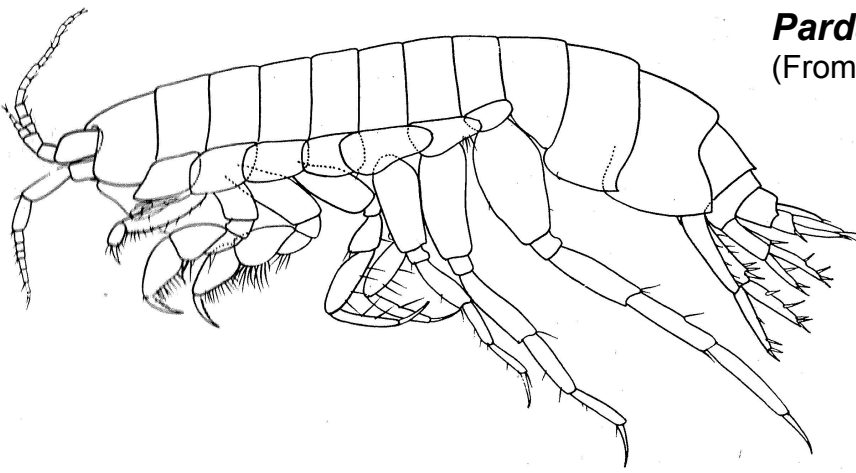
Nicippe tumida (from J L Barnard 1959)

- Antenna 1 with multi-articulate accessory flagellum
- Rostrum small/absent
- Gnathopods 1 & 2, article 5 with lobe (deeper than long)
- Gnathopods 1 & 2 article 6 normal, not narrow or elongate, article 6 > 5
- Urosomite 1 with bifurcate dorsal tooth; urosomite 2 without tooth

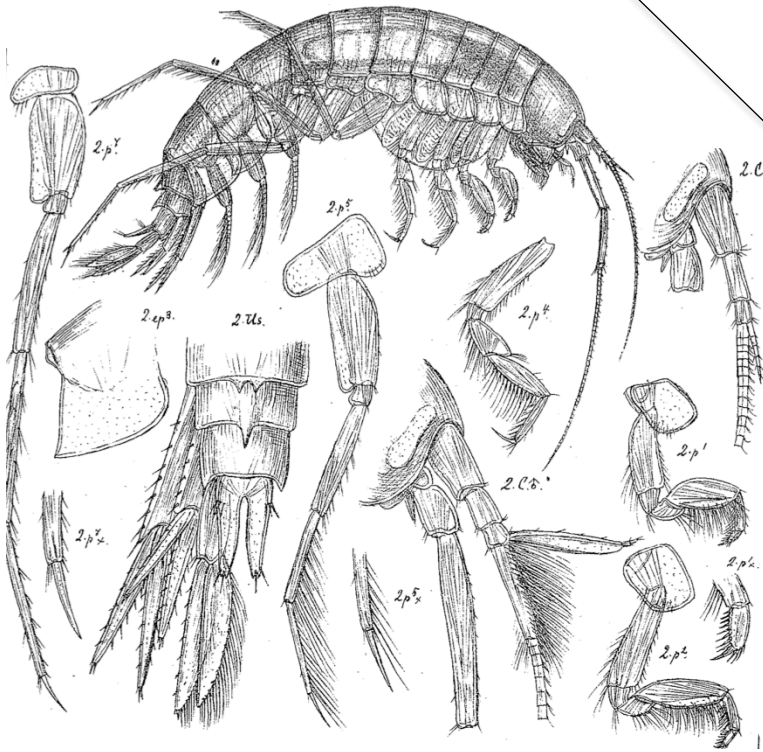


Pardaliscella symmetrica

(From JL Barnard 1959)



- Antenna 1 with multi-articulate accessory flagellum
- Rostrum small
- Gnathopods 1 & 2, article 5 without lobe (longer than deep)
- Gnathopods 1 & 2 article 6 distally narrowed, not elongated, articles 5 & 6 subequal
- Urosomites 1–3 smooth, without teeth



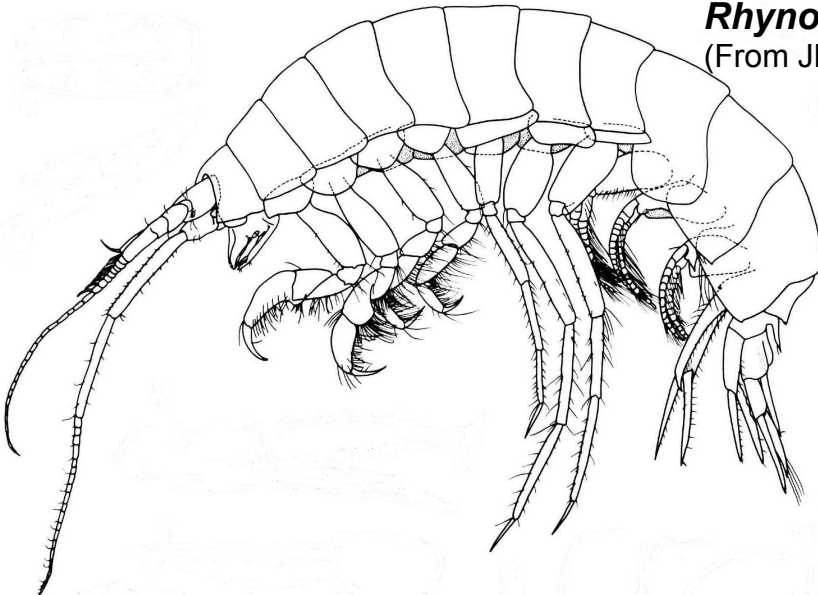
Pardaliscella tenuipes

(From Sars 1895)

- Antenna 1 with multi-articulate accessory flagellum
- Rostrum small/absent
- Gnathopods 1 & 2, article 6 elongate, narrow, article 6 < 5
- Gnathopods 1 & 2, article 5 without lobe
- Urosomite 1 with bifurcate dorsal tooth, urosomite 2 with single tooth

Rhynohalicella halona

(From JL Barnard 1971)



- Antenna 1 without accessory flagellum
- Rostrum small
- Mouthparts as projecting conical bundle
- Gnathopod 1, article 5 short, narrow, without lobe, Art 6 >> 5
- Gnathopod 2, article 6 elongate, narrow; article 6 > 5
- Urosomites 1 & 2 with single tooth, urosomite 2 tooth longest

Relevant Literature

- Barnard, JL. 1959. "The common pardaliscid Amphipoda of Southern California, with a revision of the family." *Pacific Naturalist* 1(11/12): 36-43.
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- Barnard, JL 1971. "Gammaridean Amphipoda from a deep-sea transect off Oregon." *Smithsonian Contributions to Zoology*(61): 1-86.
- Barnard, JL and GS Karaman. 1991. The Families and Genera of Marine Gammaridean Amphipoda (except marine gammaroids). *Records of the Australian Museum Supplement* 13 (Parts 1 and 2): 1-866.
- Cadien, DB. 2014. Amphipoda of the Northeast Pacific (Equator to Aleutians, intertidal to abyss): XVIII. Pardaliscoidea - a revised review Donald B. Cadien, LACSD. 22 July 2004 (revised 9Dec2014).
- Sars, GO. 1895. "Amphipoda." *An Account of the Crustacea of Norway, with short descriptions and figures of all the species* 1: 1-711.

