

INFRAORDER DEXAMINIDA
SUPERFAMILY DEXAMINOIDEA

FAMILY ATYLIDAE

Atylus tridens (Alderman 1936)
Nototropis tridens Alderman 1936

FAMILY DEXAMINIDAE

Subfamily Dexamininae

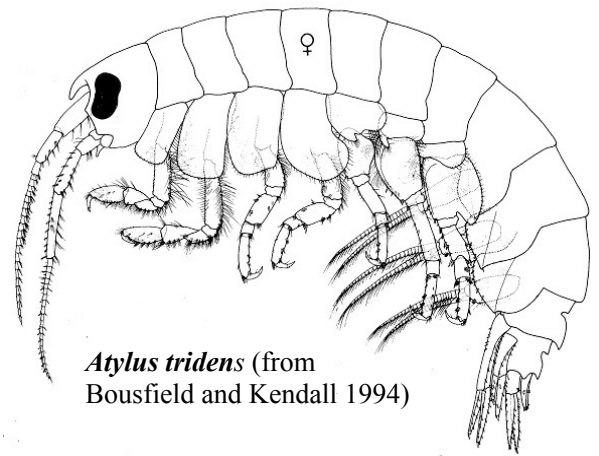
Paradexamine sp SD1 Pasko 1999 §

Subfamily Polycheriinae

Polycheria osborni Calman 1898

Subfamily Prophliantinae

Guernea reduncans (J. L. Barnard 1958)
Dexamonica reduncans J. L. Barnard 1958

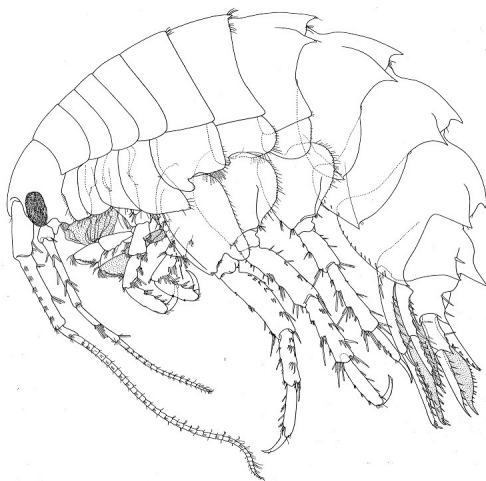


Atylus tridens (from Bousfield and Kendall 1994)

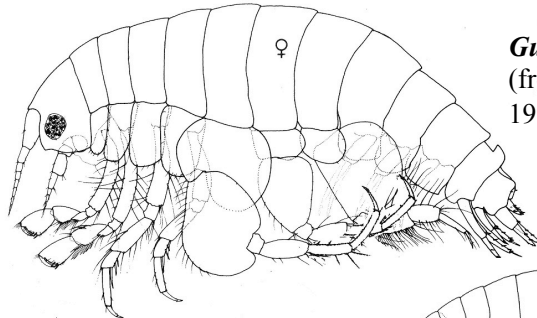
Artificial Key to SCB Dexaminoidea species

(D. Pasko, 19-Apr-2016)

1. Pleonites and urosomites dorsally and laterally carinate; urosomites spinose; eye lobe acute *Paradexamine* sp SD1
- Pleonites and/or urosomites dorsally but not laterally carinate; urosomites not spinose; eye lobe rounded or blunt 2
2. Antennae short; coxa 5 and pereopods 5-7 bases expanded; urosomite 1 carina retrorse (bent backward; male) or rounded (female) *Guernea reduncans*
- Antennae long; coxa 5 and pereopods 5-7 bases not expanded; urosomite 1 carina projecting distally 3
3. Pereopods 3-7 simple, propodus elongate, narrow; bases of pereopods 5-7 expanded *Atylus tridens*
- Pereopods 3-7 prehensile, propodus distally excavate; bases of pereopods 5-7 linear *Polycheria osborni*



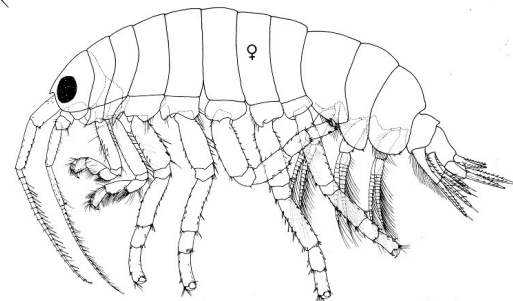
Paradexamine frinsdorfi (from JL Barnard 1972)



Guernea reduncans, male (from Bousfield and Kendall 1994)



Paradexamine sp SD1



Polycheria osborni, female (from Bousfield and Kendall 1994)

Relevant Literature

- Barnard, JL. 1958. A new genus of dexaminiid amphipod (marine Crustacea) from California. *Bulletin of the Southern California Academy of Sciences* 56(3): 130-132.
- Bousfield, EL and JA Kendall. 1994. The amphipod superfamily Dexaminoidea on the North American Pacific Coast; families Atylidae and Dexaminidae: systematics and distributional ecology. *Amphipacifica* 1(3): 3-66.
- Cadien, DB. 2015. Amphipoda of the Northeast Pacific (Equator to Aleutians, intertidal to abyss): XXVII . Dexaminoidea - an updated review Donald B. Cadien, LACSD, 22July2004. (revised 1Mar2015).
- Lowry, JK and AA Myers. 2013. A phylogeny and classification of the Senticaudata subord. nov. (Crustacea: Amphipoda). *Zootaxa* (3610): 1-80.