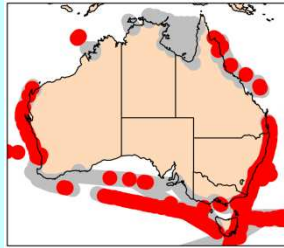


Mecynocera clausi

I.C. Thomson, 1888



Phylum Arthropoda
Order Calanoida
Family Mecynoceridae

Synonyms

Leptocalanus filicornis Giesbrecht, 1888
Mecynocera clausii Thompson, 1888
Mecynocera filicornis (Giesbrecht, 1888)

Size:

Female: 0.92-1.21 mm

Genus notes

- Small copepods
- Cephalosome and pedigerous somite 1 and somites 4-5 separate, prosome therefore 6 segmented
- Rostrum with 2 long filaments
- Female urosome 3 segmented; male 4 segmented; both with articulated caudal rami
- Monospecific genus

Female

- A1 twice as long as body with elongate setae on many of the segments
- P1 has a 3 segmented exopod and 1 segmented endopod
- P2-4 almost identical, exopods and endopods 3 segmented
- P5 uniramous, symmetrical, 5 segmented
- Spermathecae nearly spherical

Distribution

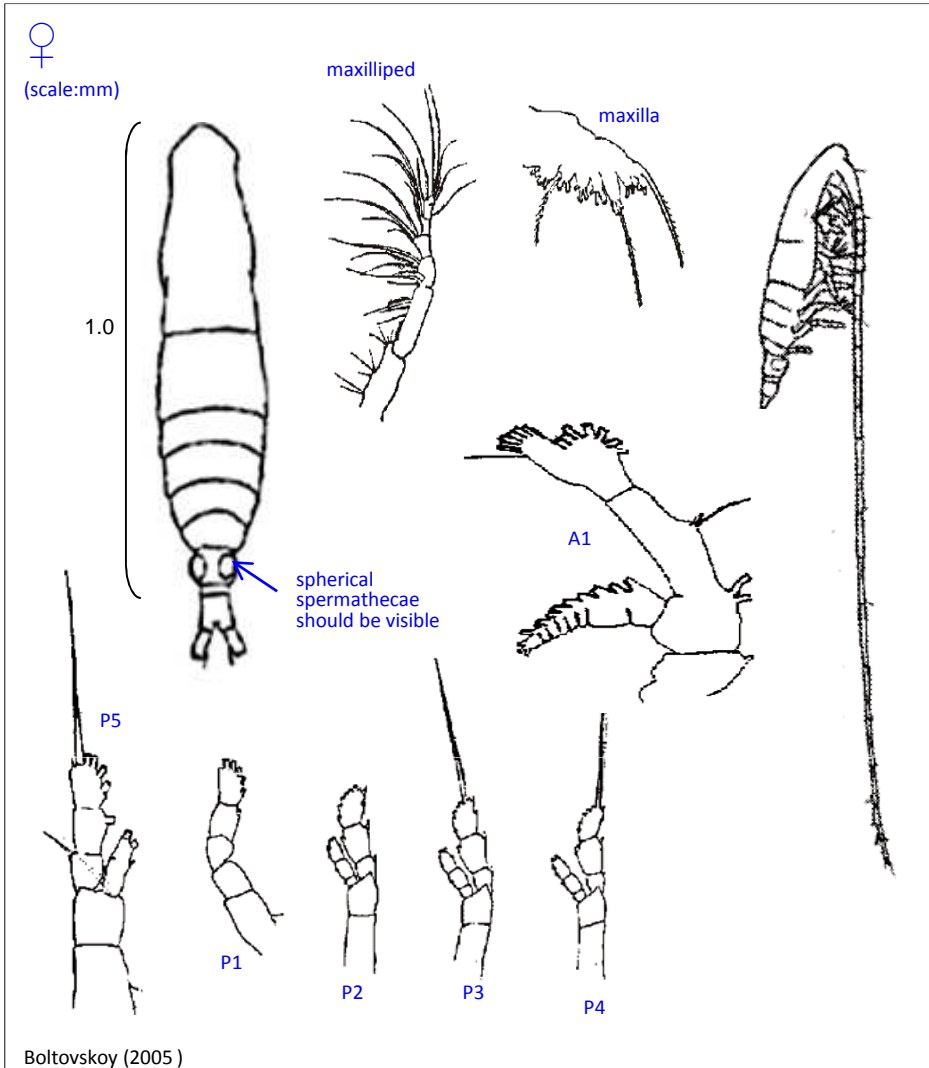
- Epipelagic
- Predominantly oceanic, can occur in estuarine and coastal areas
- Australian distribution includes Western Australia, Great Barrier Reef, North West Cape and Tasmania
- World distribution: widespread in tropical, subtropical and temperate waters of all oceans
- Also found in sub-Antarctic waters

Ecology

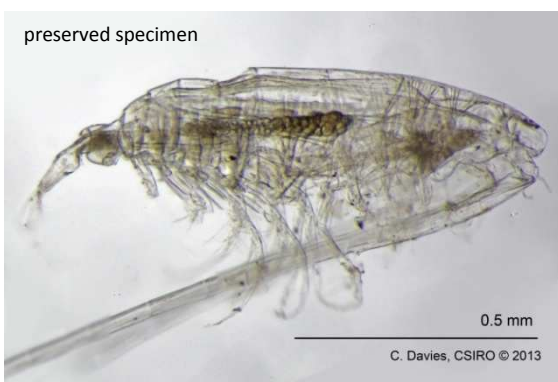
- More abundant on Great Barrier Reef during winter (August) than summer (January – March)
- Found in Tasmania throughout the year
- Herbivorous

Source

Boltovskoy (2005)
 Boxshall & Halsey (2004)
 Bradford-Grieve (1994)
 McKinnon (2005)
 Razouls et al (2010)
 Taw & Ritz (1978)



Boltovskoy (2005)



preserved specimen

0.5 mm

C. Davies, CSIRO © 2013



1 mm

C. Davies, CSIRO © 2013

Mecynocera clausi

I.C. Thomson, 1888

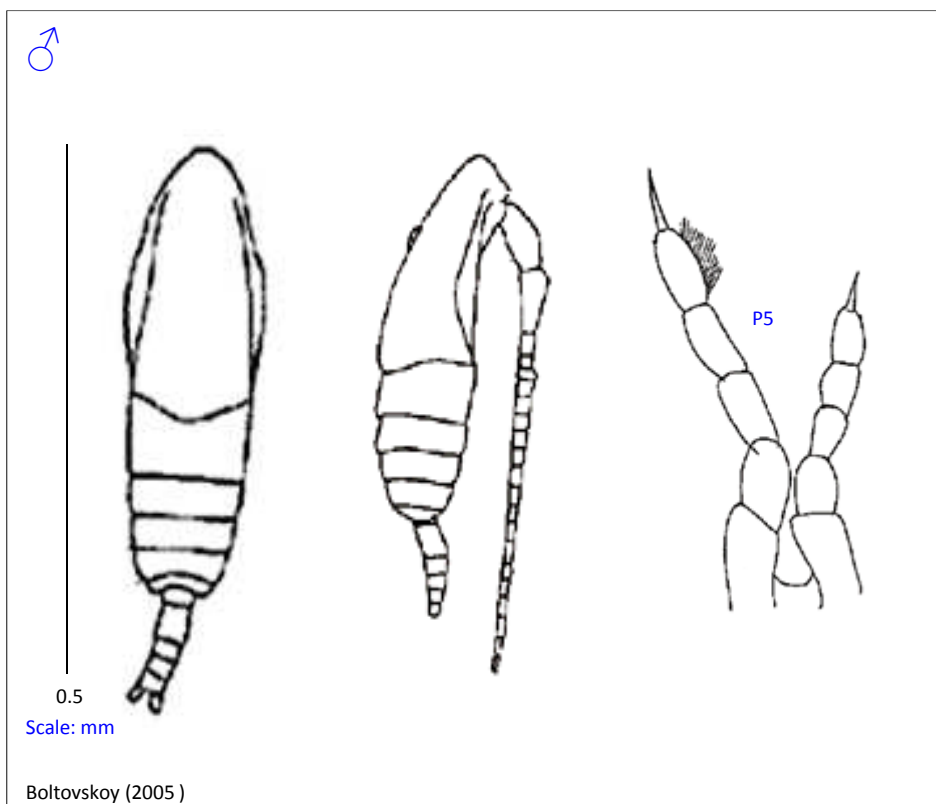
Phylum Arthropoda
Order Calanoida
Family Mecynoceridae

Size

Male: 0.94-1.12 mm

Male

- A1 extends beyond caudal rami by 1-2 segments and is not geniculate
- Dorsal cephalic hump present
- P1 Enp 1 segmented
- P1-P4 segmentation as for female
- P5 uniramous, 5 segmented, asymmetrical, right leg is longer
- Right P5 inner border hairy, terminal segments on both sides with a stout terminal spine and short disto lateral spinule
- Genital pore on right side



Boltovskoy (2005)