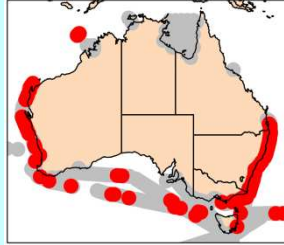
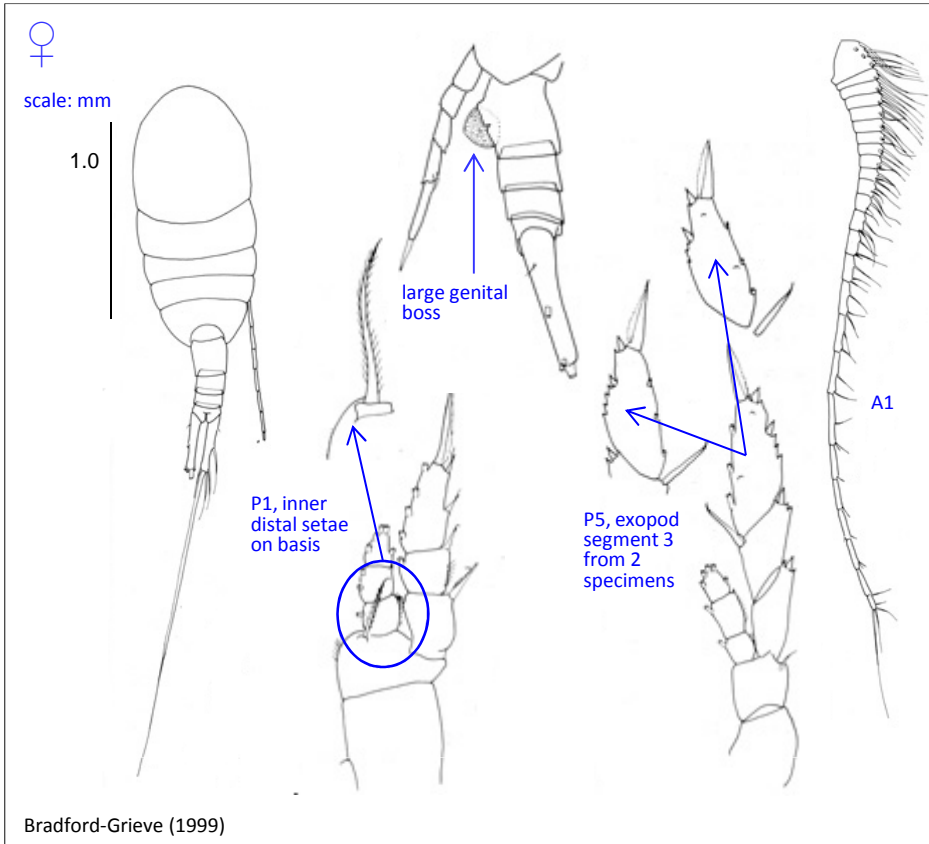


Lucicutia flavicornis

(Claus, 1863)



Phylum Arthropoda
Order Calanoida
Family Lucicutidae



Synonyms

Leuckartia flavicornis Claus, 1863
Lucicutia flavicomis (lapsus calami)
Rudolfia flavicornis (Claus, 1863)

Size

Female: 1.75 - 2.0 mm

Genus notes

- Body slender, prosome oval
- Cephalosome and pedigerous somite 1 separate, somites 4-5 fused, posterior prosome corners rounded
- Left male A1 geniculate
- P1-4 3-segmented, endopods P1, P5 2-3 segmented
- Female P5 natatory, symmetrical, similar to other swimming legs, the inner edge seta on exopod segment 2 is modified into a long slender spine articulated with its segment
- Male P5 left basis modified with one or more inner extensions which may bear spines
- Male P5 right, last exopod section recurved, coxa may have extensions
- Urosomes long, female 4-segmented, male 5-segmented
- Caudal rami long and symmetrical

Female

- Cephalosome without lateral protrusions
- A1 reaches middle of caudal rami
- P5 endopodite with 3 segments; inner spine on exopodite segment 2 is long and straight, except for a slight bend at tip, reaching beyond base of first inner seta on exopodite segment 3; terminal segment on exopodite 3 less than half length of the segment, outer margin of exopodite segment 3 with several teeth
- Large genital boss, placed centrally on ventral segment, genital somite symmetrical in dorsal view
- Anal somite as long as urosome somite 3
- Caudal rami slightly more than 5x long as wide, innermost terminal seta small and slender

Distribution

- Epi-, meso- and bathypelagic
- Widespread in tropical, subtropical and temperate waters
- Indian, Pacific and Atlantic

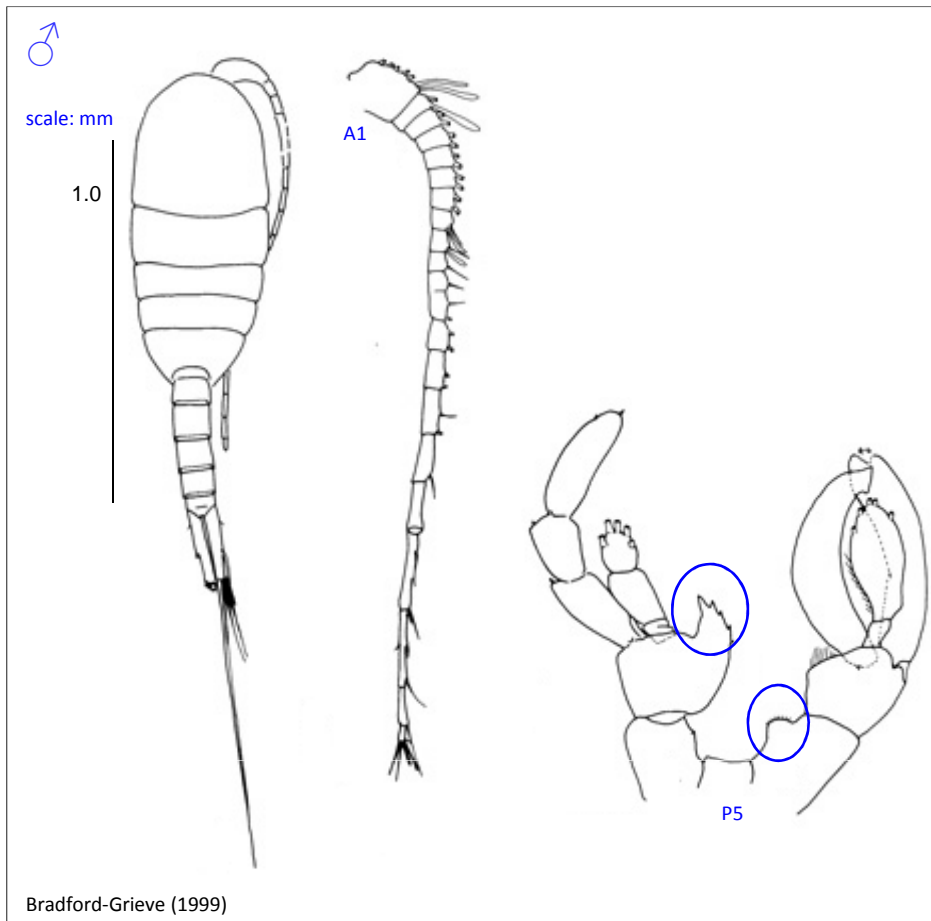
Ecology

- Bioluminescent glands
- Up to 4 generations per year
- Can be strongly associated with upwelling regions

Lucicutia flavicornis

(Claus, 1863)

Phylum Arthropoda
Order Calanoida
Family Lucicutidae



Size

Male: 1.55 -1.70 mm

Male

- Cephalosome without lateral protrusions
- A1 reaches middle of caudal rami
- P1 endopod 3-segmented
- P5 right coxa inner margin with a conspicuous rounded protrusion, right basis with a triangular inner border bearing hairs distally, left coxa with a ridge on inner margin, left basis inner distal corner protruding and ending in a point and with 3-5 extra teeth and sometimes a proximal spinule, inner margins of both basis without pointed projections
- Anal somite almost as long as urosome somite 4
- Caudal rami slightly more than 5x as long as wide; innermost seta small and slender

Source

Boxshall & Halsey (2004)
 Boyd et al. (1980)
 Bradford Grieve (1999)
 Conway (2003)
 Razouls et al. (2012)
 Shmeleva & Kovalev (1974)

(Full reference available at <http://www.imas.utas.edu.au/zooplankton/references>)