Candacia bradyi
Scott A., 1902

Synonyms
None

Size
Female: 1.4 - 2.1 mm

Genus notes
• Body relatively robust, cephalosome rectangular in dorsal view, gives appearance of ‘shoulders’
• May be darkly pigmented
• Cephalosome and pedigerous somite1 separated, pedigerous somites 4-5 fused and extended into pointed, often asymmetrical processes; rarely rounded
• Right A1 of male with teeth present on one or more segments at the bend in the geniculate region
• Rostrum atrophied
• Female P5 terminal segments with one or more spine processes, a finger-like process or a single long setae; setae may or may not be present on the inner lateral margins
• Male right P5 is chelate or ends in a long feather like seta
• Female urosome 3-segmented, genital somite often spinose or asymmetrical, without seminal receptacles, somite 2 often asymmetrical; male 5-segmented
• Caudal rami short with 6 setae

Female
• Posterior prosome somite corners each end in a short spine
• P1 with 1 segmented endopod
• P5 segment 3 curved slightly inwards, with 2 setae on inner margin and three spines on distal outer edge. These spines are blunt and pigmented on the left and sharp and non-pigmented on the right
• Genital somite broad and almost symmetrical in dorsal view, with slight protrusion on right side
• Urosome somite 2 has a pointed protrusion, half the length of genital somite, on the mid ventral surface
• Caudal rami twice as long as wide, slightly asymmetrical, the right wider than the left

Distribution
• Epipelagic; open ocean
• Temperate, tropical and subtropical
• Indian and Pacific Oceans; not Atlantic

Ecology
• Specialised predator, grasping prey with large and robust maxillae
• Larvaceans are major prey item
• Has been observed feeding on Sagitta

Images: AusCPR
Scott A., 1902
Greenwood (1978); Phukham (2008)

C. Davies, CSIRO © 2013

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Phylum Arthropoda
Order Calanoida
Family Candaciidae
**Candacia bradyi**
Scott A., 1902

**Phylum** | **Arthropoda**
---|---
**Order** | **Calanoida**
**Family** | **Candaciidae**

**Size**
Male: 1.4 - 1.8 mm

**Male**
- A1 23-segmented, extends to posterior border of prosome
- Posterior prosome symmetrical, tip of right process does not reach beyond mid point of genital somite
- P2-4 terminal spines are more than half the length of its segment
- Left P5 segment 3 is produced at outer distal angle into a short, stout, pigmented tooth-like process, which is divided into 3 blunt points, segment 4 is elongated and narrow with 3 small terminal spines
- Genital somite produced into a small toothed process on right side
- Urosome somite 2 with patch of small spines near posterior end

**Source**
Bradford-Grieve (1999)
Conway (2003)
Greenwood (1978)
Phukham (2008)
Razouls et al. (2010)
Wickstead (1959)

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