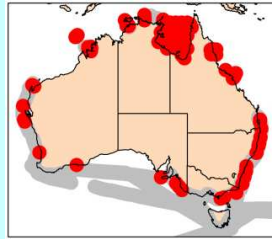
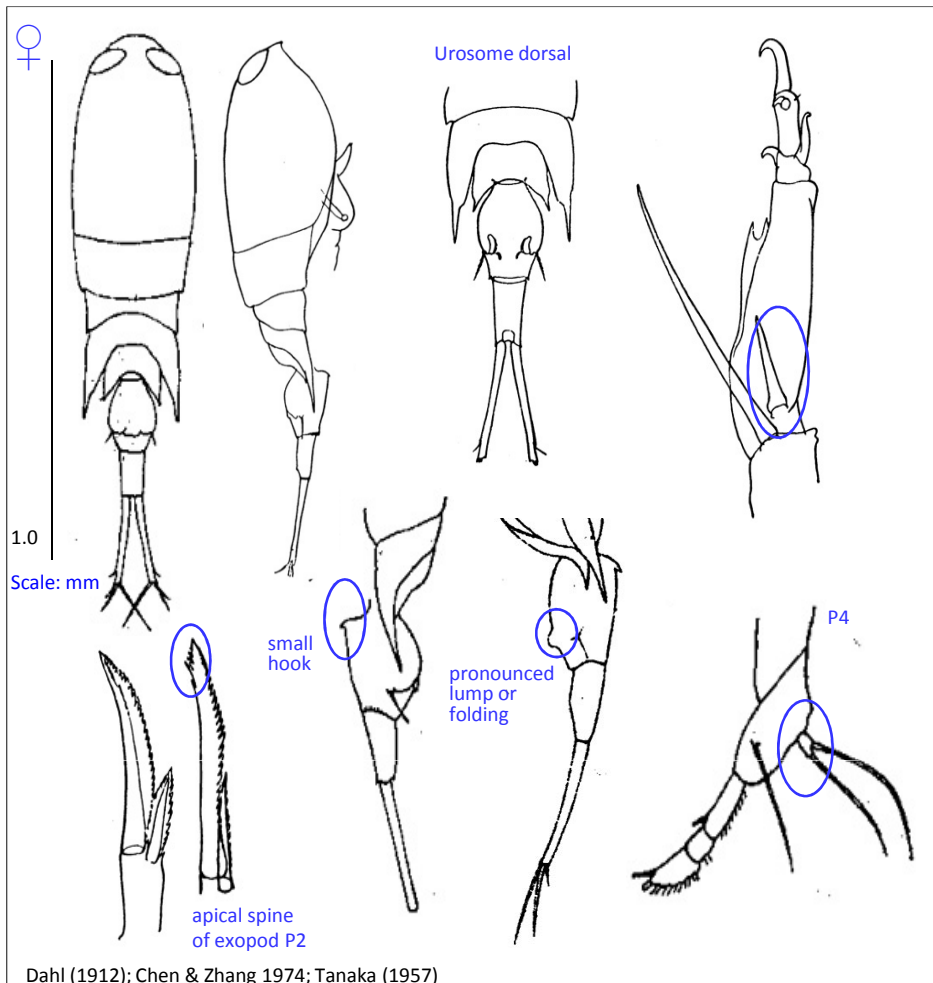


Ditrichocorycaeus dahli

Tanaka, 1957



Phylum Arthropoda
Order Cyclopoida
Family Corycaeidae



Synonyms

None

Size

Female: 0.85 – 1.21 mm

Genus notes

- Has cuticular lenses
- Usually <1 mm
- Peg like endopod of P4 with 2 setae and a small posterior projection
- Male genital somite usually has hook or point on ventral proximal corner

Female

- Basal spine on antenna 2 times as long as spine on next segment
- Prosome 1.7 times as long as urosome
- Prosome points extend beyond middle of genital somite
- Apical spine of exopodite of P2 curved, with ~6 teeth on inner, anterior side
- Genital somite 1.3 times as long as wide, vaulted on dorsal surface or a folding on the distal 2/3 of somite, ventral surface flat
- Anal somite wider at proximal than distal margin
- Caudal rami divergent, 16 times as long as wide; nearly 2 times as long as anal somite
- Urosome somites and caudal rami in the proportional lengths 35:23:42

Distribution

- Epipelagic
- Coastal and oceanic
- Subtropical and tropical
- Indian and Pacific Oceans

Ecology

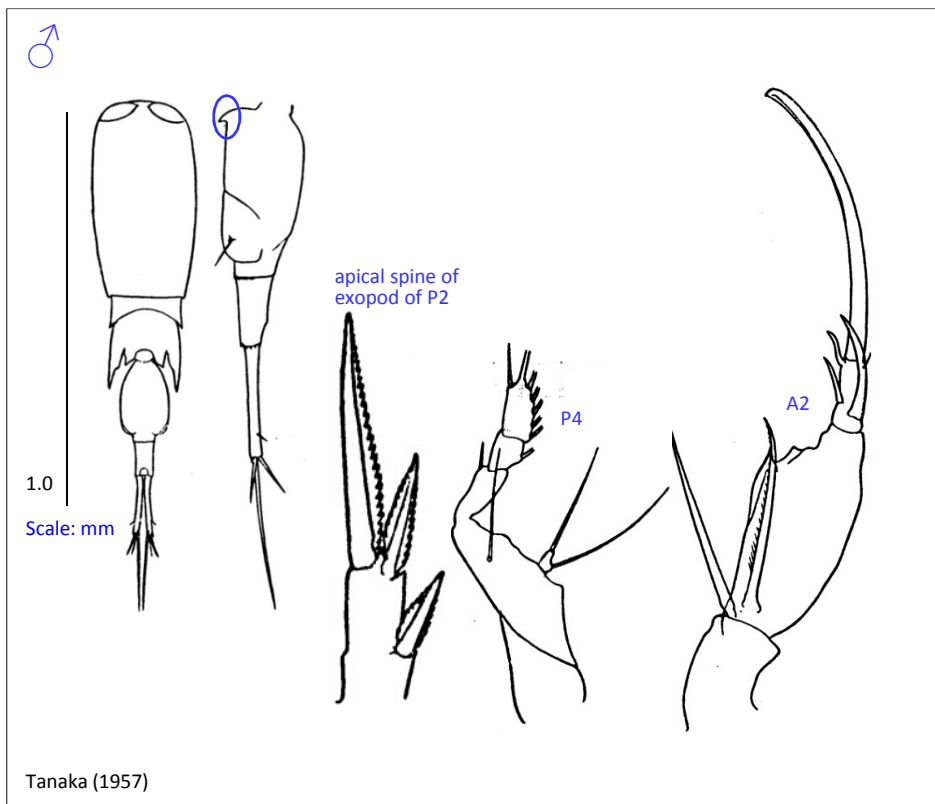
- Visual predators using raptorial appendages to capture small prey
- Undertakes diel vertical migration, where it spends most of its time near the bottom and ascends to the upper layers close to midnight

Dahl (1912); Chen & Zhang 1974; Tanaka (1957)

Ditrichocorycaeus dahli

Tanaka, 1957

Phylum Arthropoda
Order Cyclopoida
Family Corycaeidae



Size

Male: 0.68 – 0.99 mm

Male

- Antenna terminal claw longer than 2nd basal joint
- Prosome 1.4 times as long as urosome
- Prosome 1.5 times as long as wide
- Apical spines on first 3 legs are straight
- Genital somite oval, 1.6 times as long as wide
- Small ventral hook on genital somite
- Caudal rami nearly 2 times as long as anal somite
- Caudal rami 8 times as long as wide
- Longest caudal rami setae longer than rami
- Urosome somites and caudal rami in the proportional lengths 50:18:32

Source

Boltovskoy (1999)
 Chen & Zhang (1974)
 Dahl (1912)
 Owens & Rothlisberg (1991)
 Tanaka (1957)

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

preserved specimen

