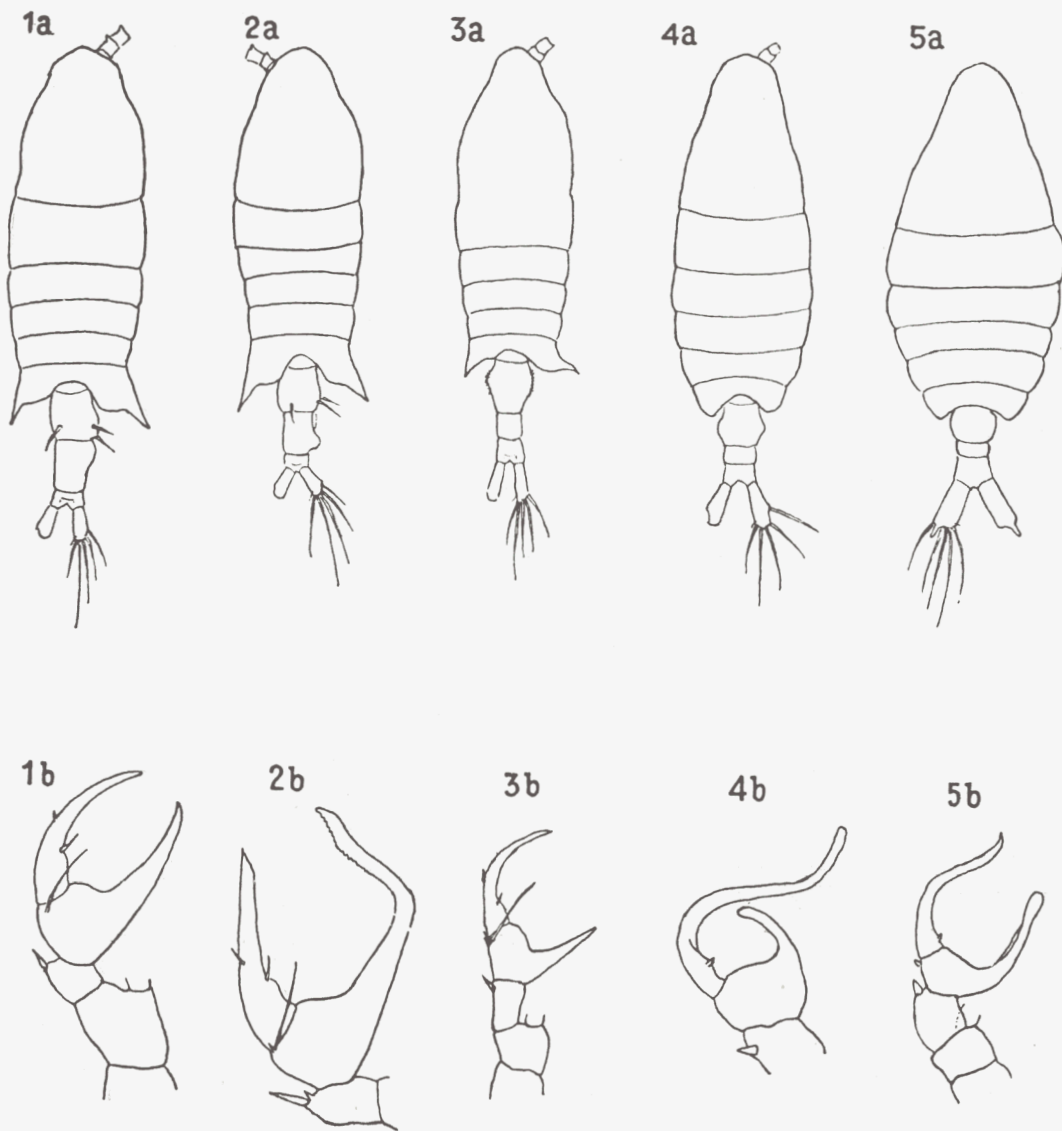


CONSEIL INTERNATIONAL POUR L'EXPLORATION DE LA MER

Zooplankton

Sheet 11

COPEPODA
SUB-ORDER: CALANOIDA
Family: Centropagidae
GENUS: CENTROPAGES
(By G. P. Farran†)
1948.



1. *C. typicus*. — 2. *C. chierchiae*. — 3. *C. hamatus*. — 4. *C. violaceus*. — 5. *C. bradyi*.

a. ♀ dorsal; b. ♂ exopodite of right 5th foot.

(Figs. 1, 3 after Sars; Figs. 2 and 4b after Giesbrecht; Fig. 5b after Wheeler; Figs. 4a and 5a original).

Genus CENTROPAGES Krøyer 1840.

1st to 4th feet with 3-jointed exopodite and 3-jointed, rarely 2-jointed, endopodite. ♀ 5th feet jointed as in preceding feet and with a stout pointed process on the inner edge of the 2nd joint of the exopodite. ♂ 5th feet with well developed 3-jointed endopodite, exopodite of left foot 2-jointed, of right foot with 2nd and 3rd joints forming a chela.

Species	Length mm.	Antennules	5th Thoracic Segment	Abdominal Segments and Furca	Feet	Remarks
1. <i>C. typicus</i> Krøyer	♀ 1.5 —2.0 ♂ 1.4 —1.9	Teeth on 1st, 2nd and 5th joints	♀ with sharp straight divergent points	♀ 2nd with swelling anteriorly on right side	♂ right 5th with short stout chela	Euryhaline
2. <i>C. chierchiaie</i> Giesbr.	♀ 1.6 —1.9 ♂ 1.65 —1.75	Closely resembling <i>C. typicus</i> , but		♂ 2nd with swelling posteriorly on right side and ventral swell- ing anteriorly	♂ 5th with claw of chela slender and denticulate at its tip	Oceanic, warm water
3. <i>C. hamatus</i> (Lillj.)	♀ 1.3 —1.5 ♂ 1.1 —1.3	Teeth lacking	♀ asymmetrical with curved point on right side	♀ genital segment with ventral hook	♂ 5th with smaller slender chela	Low salinity
4. <i>C. violaceus</i> (Claus)	♀ 1.75—1.9 ♂ 1.5 —1.8	Teeth lacking	rounded	furca broad; ♀ ventral swellings on genital and following segment	♂ 5th chela with slender sigmoid claw	Oceanic, warm water epiplankton
5. <i>C. bradyi</i> Wheeler	♀ 2.0 —2.35 ♂ 2.0 —2.25	Teeth lacking	Cephalothorax broad with segments strongly marked	Furca very broad with terminal digitate pro- cess	♂ 5th chela with claw slightly sig- moid	Oceanic, warm water epiplankton

References to Description and Figures.

1. *C. typicus*: Giesbrecht, 1892, Pl. II, Fig. 4; Pl. XVII, Figs. 48, 49; Pl. XVIII, Figs. 4, 9, 22; Pl. XXXVIII, Figs. 9, 10. Sars, 1903, Pls. XLIX—LI. Van Breemen, 1908, Fig. 108. Wilson, 1932, Fig. 60.
2. *C. chierchiaie*: Giesbrecht, 1892, Pl. XVII, Figs. 38, 39, 45; Pl. XVIII, Fig. 5; Pl. XXXVIII, Figs. 3, 7. Van Breemen, 1908, Fig. 109. Candeias, 1926, Pl. III, Figs. 26—29.
3. *C. hamatus*: Giesbrecht, 1892, Pl. XVII, Fig. 51; Pl. XVIII, Fig. 3; Pl. XXXVIII, Fig. 23. Sars, 1903, Pl. LII. Van Breemen, 1908, Fig. 110. Gurney, 1931, Figs. 100—116. Wilson, 1932, Fig. 61.
4. *C. violaceus*: Claus, 1863, Pl. XXXI. Giesbrecht, 1892, Pl. IV, Fig. 5; Pl. XVII, Figs. 29, 30, 44; Pl. XVIII, Figs. 1, 8; Pl. XXXVIII, Figs. 16, 18. Candeias, 1926, Pl. III, Figs. 30, 31.
5. *C. bradyi*: Brady, 1883, Pl. XXVII (as *C. violaceus*). Wheeler, 1900, Fig. 12. Candeias, 1926, Pl. III, Figs. 32, 33. Wilson, 1932, Fig. 59.

Distribution

Species

Gulf of Bothnia	3
Gulf of Finland	3
Baltic proper	1, 3
Belt Sea	1, 3
Kattegat	1, 3
Skagerak	1, 3
Northern North Sea	1, 3
Southern North Sea	(1), 3
English Channel (eastern)	1, 3
English Channel (western)	1, 3
Bristol Channel and Irish Sea	1, 3
South and West Ireland	1, 3, 4, 5
Eastern Atlantic	1, 2, 3, 4, 5
Faeroe Shetland Area	1, 3
Faeroe Iceland Area	(1), 3
Norwegian Sea	1, 3
Barents Sea	3

References to Work on Biology.

Candeias (1926), 2, 4, 5; Farran (1920), 1, 3; Farran (1926), 1, 2; Gurney (1931), 3; Lysholm and Nordgaard (1921), 1; Ostenfeld (1906, 1909), 1, 3; Rae and Rees (1947), 1, 3; Runnström (1932), 1, 3; Sars (1903), 1, 3; Scott (1911), 1, 3; Van Breemen (1908), 1, 2, 3; Wheeler (1900), 1, 3, 5; Wiborg (1940), 1, 3.

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