

CONSEIL INTERNATIONAL POUR L'EXPLORATION DE LA MER

Zooplankton

Sheet 13

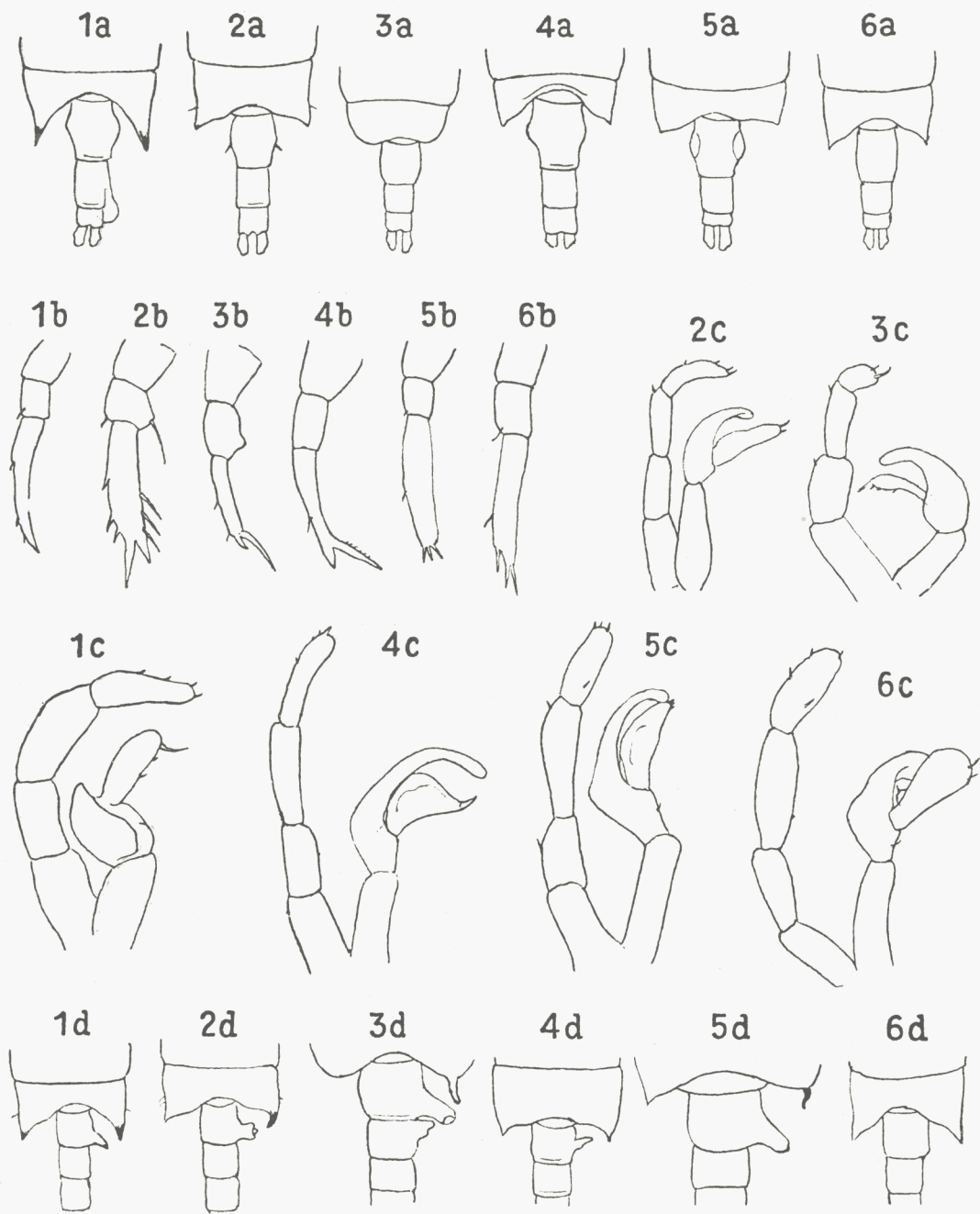
COPEPODA  
SUB-ORDER: CALANOIDA

Family: Candaciidae

GENUS: CANDACIA

(By G. P. Farran†)

1948.



1. *C. armata*. — 2. *C. norvegica*. — 3. *C. elongata*. — 4. *C. tenuimana*. — 5. *C. longimana*. — 6. *C. varicans*.  
a. ♀ Last thoracic segment and abdomen dorsal. — b. ♀ 5th foot. — c. ♂ 5th feet. —  
d. ♂ Last thoracic and genital segments dorsal.  
(Figs. 1—3, except 3b, after Sars. Figs. 4b, 5 and 6, except 6c, after Giesbrecht.  
Fig. 3b, Figs. 4a, c, d and Fig. 6c original).

Genus CANDACIA Dana 1846.

Endopodite of 1st to 4th feet 2-jointed. 1st maxilla with the 2nd inner-edge lobe long and narrow, longer than the rest of the appendage. 2nd maxilla with long stiff scythe-shaped distal setae.

Species	Length mm.	5th Thoracic Segments	5th Feet, 3d Joint	Genital Segment	Remarks
1. <i>C. armata</i> (Boeck)	♀ 2.4—2.6 ♂ 2.2—2.6	♀, ♂ acute	♀ falcate with small distal outer-edge teeth	♀ asymmetrical with dextral swelling on 2nd segment ♂ with acute dextral process directed backwards	Epiplanktonic
2. <i>C. norvegica</i> (Boeck)	♀ 3.2 ♂ 3.2	♀, ♂ acute	♀ broad denticulate on outer side	♀ with lateral spines ♂ with dextral process trifid	Deep water
3. <i>C. elongata</i> (Boeck)	♀ 3.2—3.5 ♂ 3.8	♀ rounded ♂ with finger-like process on right side, left side rounded	♀ slender, with two terminal and two minute outer-edge spines	♂ with blunt dextral process overlapping a smaller projection on 2nd segment	Deep water
4. <i>C. tenuimana</i> (Giesbr.)	♀ 2.0—2.3 ♂ 2.0	♀, ♂ with short points	♀ with large inner subterminal spine	♂ with acute dextral process directed slightly forward	Oceanic epiplankton
5. <i>C. longimana</i> (Claus)	♀ 3.6—3.9 ♂ 3.1—3.5	♀ with blunt points ♂ acute on the left, on the right with slender pointed black process	♀ ending in three small equal spines	♂ with thumb-like dextral process	Oceanic epiplankton
6. <i>C. varicans</i> (Giesbr.)	♀ 2.3 ♂ 2.1	♀, ♂ acute	♀ with 3 terminal unequal spines and 1 outer-edge spine	♀ abdomen slender ♂ without lateral process	Oceanic epiplankton

*C. bipinnata* Giesbr. and *C. pachydactyla* Dana may possibly also occur in European waters.

References to Description and Figures.

1. *C. armata*: Giesbrecht, 1892, (as *C. pectinata*), Pl. IV, Fig. 3; Pl. XXI, Figs. 2, 12; Pl. XXII, Figs. 9, 17, 18, 31, 43—46; Pl. XXXIX, Figs. 1, 21, 22, 24, 25. Sars, 1903, Pl. XCI. Van Breemen, 1908, Fig. 164. Candéias, 1926, Pl. III, Figs. 37, 38. Wilson, 1932, Fig. 95.
2. *C. norvegica*: Giesbrecht u. Schmeil, 1898. Sars, 1903, Pls. LXXXIX, XC. Van Breemen, 1908, Fig. 165. Wilson, 1932, Fig. 94.
3. *C. elongata*: Wolfenden, 1904, (as *C. rotundata*), Pl. IX, Figs. 10, 11. Farran, 1908, as *C. rotundata*. Van Breemen, 1908, (as *C. rotundata*), Fig. 166. Sars, 1924—25, (as *C. rotundata* in Figs., *C. elongata* in text), Pl. CXXV.
4. *C. tenuimana*: Giesbrecht, 1892, Pl. XXI, Figs. 8, 28, 29; Pl. XXII, Figs. 2, 30, 37. Giesbrecht u. Schmeil, 1898. Farran, 1908, (as *C. gracilimana*), Pl. IX, Figs. 7—14.
5. *C. longimana*: Claus, 1863, Pls. XXVII, XXXIII. Giesbrecht, 1892, Pl. XXI, Figs. 5, 18; Pl. XXII, Figs. 5, 7, 15, 26, 34, 36; Pl. XXXIX, Figs. 4—6, 18, 19. Giesbrecht u. Schmeil, 1898.
6. *C. varicans*: Giesbrecht, 1892, Pl. XXI, Figs. 3, 4, 11; Pl. XXII, Figs. 10, 25; Pl. XXXIX, Figs. 2, 23. Giesbrecht u. Schmeil, 1898.

Distribution

Species

Gulf of Bothnia	—
Gulf of Finland	—
Baltic proper	—
Belt Sea	—
Kattegat	—
Skagerak	1, 2
Northern North Sea	1, 2
Southern North Sea	1
English Channel (eastern)	—
English Channel (western)	1
Bristol Channel and Irish Sea	1
South and West Ireland	1, 2, 3, 4, 6
Eastern Atlantic	1, 2, 3, 4, 5, 6
Faeroe Shetland Area	1, 2, 3
Faeroe Iceland Area	2
Norwegian Sea	1, 2, 3
Barents Sea	—

References to Work on Biology.

Brady (1878), 1; Boeck (1872), 1, 2, 3; Cleve (1900), 1; Farran (1908), 2, 3, 4, (1920), 1, 2, 4, 6, (1926), 1, 3, 4; Giesbrecht (1892), 1, 4, 5, 6; Giesbrecht und Schmeil (1898), 1, 2, 3, 4, 5, 6; Jespersen (1940), 2; Lysholm and Nordgaard (1921), 2, 3; Rae, K. M. and C. B. Rees (1947), 1; Runnström (1931), 1, 2; Sars (1903), 1, 2; Scott (1911), 1, 2, 3, 4; Wiborg (1940), 1, 2; Wolfenden (1904) 1, 2, 3.

### References.

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