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CONSEIL INTERNATIONAL POUR L'EXPLORATION DE LA MER

Zooplankton.

Sheet 36.

COPEPODA

SUB-ORDER: CALANOIDA

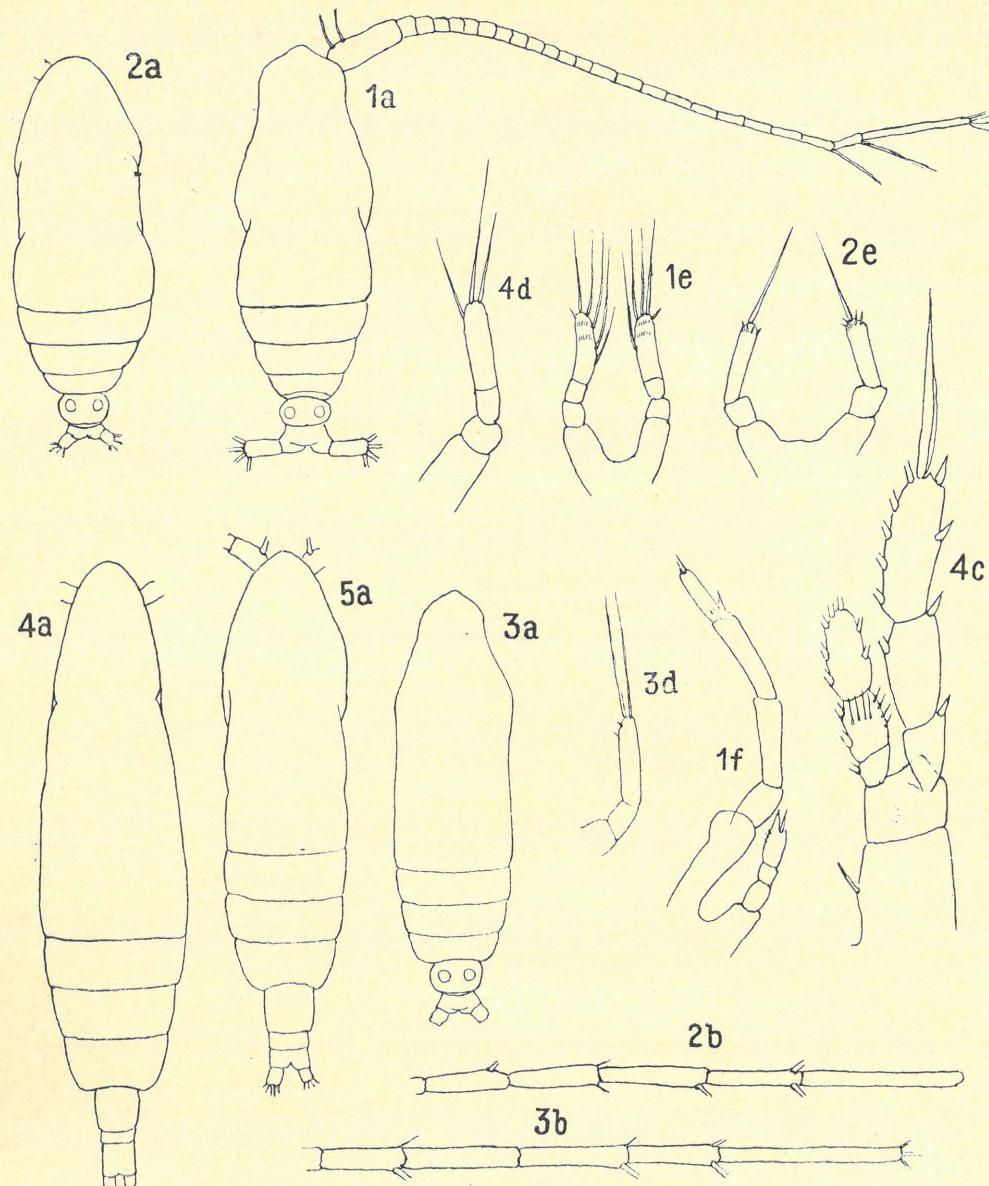
Family: Paracalanidae

GENUS: CALOCALANUS

(By G. P. Farran †,  
revised by W. Vervoort)

1951.

41188



1, *Calocalanus pavo*; 2, *Calocalanus styliremis*; 3, *Calocalanus contractus*;

4, *Calocalanus tenuis*; 5, *Calocalanus plumulosus*.

a, ♀ dorsal; b, ♀ 1st antenna, terminal joints; c, ♀ 2nd foot; d, ♀ 5th foot; e, ♀ 5th feet, f, ♂ 5th feet.  
(Figs. 1a, e, f, 2b, e, after Giesbrecht; remainder original).

Genus CALOCALANUS Giesbrecht, 1888

Cephalon and 1st thoracic somite, as well as the 4th and 5th thoracic somites, fused. Abdomen in female 2- or 3-jointed, furca sometimes asymmetrical. Last joints of 1st antennae elongated. Exopods of 1st to 4th feet 3-jointed, endopods of 1st feet 2-jointed, of 2nd to 4th feet 3-jointed. 3rd exopodal joints of 2nd to 4th feet with 2 spines on outer edge and 5 setae on inner edge. 5th feet uniramous, not natatory, 3- or 4-jointed. Rostrum composed of two fine filaments. Male with reduced number of joints of 1st antennae. 5th feet asymmetrical, 4-jointed on right side, 5-jointed on left side and there more elongated. Mainly Oceanic epiplankton.

1. *C. pavo* (Dana, 1849). Female with stout body; abdomen 2-segmented, genital segment much wider than long. Furca symmetrical, rami widely diverging, longer than broad, in undamaged condition with beautifully plumose setae. Last joints of 1st antennae 5 times as long as penultimate. Males with left 5th foot 5-jointed, much longer than 4-jointed right 5th foot, which carries 2 small apical setae.
2. *C. styliremis* Giesbrecht, 1888. Females with stout body, abdomen 3-segmented. Furcal rami symmetrical, as long as wide, slightly diverging. Last joints of 1st antennae twice the length of the penultimate. Male with 5th feet as in *C. pavo*, right foot with single apical seta.
3. *C. contractus* Farran, 1926. Female resembles *C. styliremis*, but body not so stout.
4. *C. tenuis* Farran, 1926. Body of female fusiform, abdomen 3-segmented, genital segment longer than broad. Furcal rami symmetrical, as wide as long, not divergent.

*C. plumulosus* (Claus, 1863) (Fig. 5) has not yet been recorded from off western Europe, but may possibly occur.

Species	Length in mm.	Female abdomen	Female genital segment	Female body	Female 5th feet	Female furca
<i>C. pavo</i>	♀ 0.88—1.2 ♂ 1.04	2-jointed	broader than long, onion shaped	stout	4-jointed, 4 or 5 apical setae	1×2, rami widely divergent
<i>C. styliremis</i>	♀ 0.6—0.85 ♂ 0.55	3-jointed	broader than long, partly covering 2nd segment,	stout	3-jointed, 1 terminal seta	1×1, slightly divergent
<i>C. contractus</i>	♀ 0.6—0.78 ♂ ?	3-jointed	onion shaped as in <i>C. styliremis</i>	more slender than in <i>C. styliremis</i>	3-jointed, 2 terminal setae	1×1, slightly divergent
<i>C. tenuis</i>	♀ 1.18—1.22 ♂ ?	3-jointed	longer than broad	fusiform, slender	4-jointed, 3 apical setae	1×1, parallel

References to Descriptions and Figures.

1. *C. pavo*: Giesbrecht, 1892, Pl. 1, Fig. 13, Pl. 4, Fig. 15, Pl. 9, Figs. 3, 4, 13, 16, 19, Pl. 36, Figs. 43—45. T. Scott, 1894, Pl. 6, Figs. 9, 10. Giesbrecht & Schmeil, 1898. Wheeler, 1900, Fig. 7. Van Breemen, 1908, Fig. 18. Pesta, 1920, Fig. 11. Früchtli, 1924, Fig. 5. Wilson, 1932, Fig. 22. Rose, 1933, Fig. 29. Vervoort, 1946.
2. *C. styliremis*: Giesbrecht, 1892, Pl. 9, Figs. 15, 18, 29, Pl. 36, Figs. 46—48. Giesbrecht & Schmeil, 1898. Van Breemen, 1908, Fig. 19. Früchtli, 1923, Figs. 7—9. Farran, 1926, Pl. 5, Figs. 5, 6. Rose, 1933, Fig. 30. Wilson, 1942, Figs. 12, 14.
3. *C. contractus*: Farran, 1926, Pl. 5, Figs. 1—4. Sewell, 1929, Fig. 35. Rose, 1933, Fig. 32.
4. *C. tenuis*: Farran, 1926, Pl. 5, Figs. 7—12.

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

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