

CONSEIL INTERNATIONAL POUR L'EXPLORATION DE LA MER

**Zooplankton**

Sheet 14

**COPEPODA**

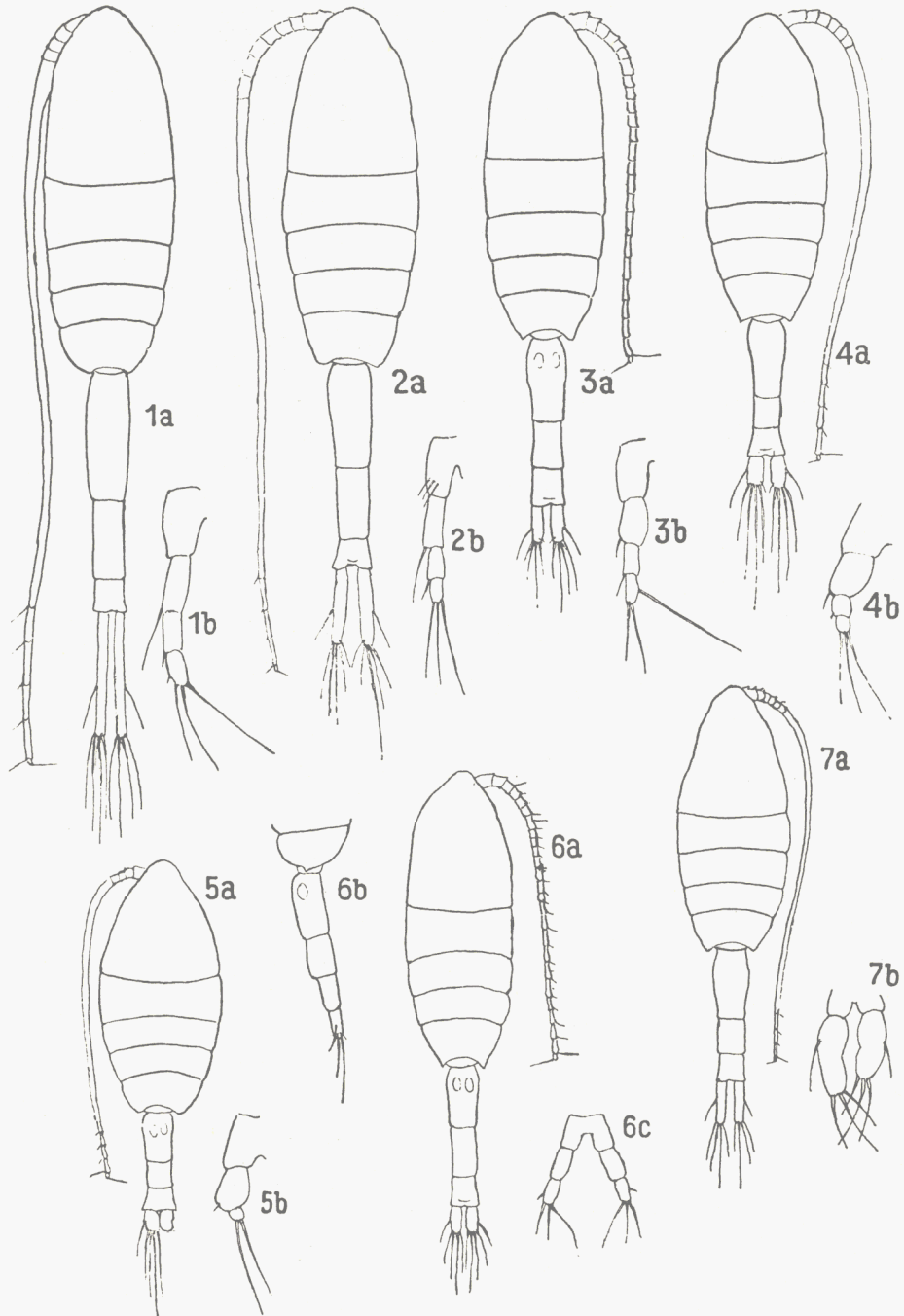
**SUB-ORDER: CALANOIDA**

**Family: Metridiidae**

**GENUS: METRIDIA**

(By G. P. Farran†)

**1948**



1. *M. macrura*. a. ♀ dorsal, b. ♀ 5th foot. — 2. *M. princeps*. a. ♀ dorsal, b. ♀ 5th foot. — 3. *M. longa*. a. ♀ dorsal, b. ♀ 5th foot. — 4. *M. discreta*. a. ♀ dorsal, b. ♀ 5th foot. — 5. *M. brevicauda*. a. ♀ dorsal, b. ♀ 5th foot. — 6. *M. lucens*. a. ♀ dorsal, b. ♀ lateral, c. ♀ 5th feet. — 7. *M. venusta*. a. ♀ dorsal, b. ♀ 5th feet.  
 (Fig. 5 original, the rest after Sars, Fig. 4, as *M. boeckii*).

Genus METRIDIA Boeck 1864.

Endopodite of 1st to 4th feet 3-jointed. Female antennules 23-jointed; 5th feet with 1 to 3 free joints; 1st joint of endopodite of 2nd feet hollowed on its inner margin to form a hook with one or more strong basally directed teeth.

Species	Length mm.	Antennules	Furca	5th Feet		Remarks
1. <i>M. macrura</i> Sars	♀ 10.5	reach end of furca	1×14	♀ 4 joints	—	Oceanic, bathypelagic
2. <i>M. princeps</i> Giesbr.	♀ 7.1—8.5 ♂ 6.5	reach end of furca	1×6	♀ 4 joints	—	Oceanic, bathypelagic
3. <i>M. longa</i> (Lubb.)	♀ 4.1—4.3 ♂ 3.5—3.7	reach middle of genital segment	1×3	♀ 4 joints	—	Arctic, deep water Atlantic
4. <i>M. discreta</i> Farran	♀ 3.35	reach beyond anal segment	1×2	♀ 4 joints	—	Oceanic, deep water
5. <i>M. brevicauda</i> Giesbr.	♀ 1.8—2.2 ♂ 1.5—1.65	reach anal segment	2×3	♀ 3 joints, 2 (rarely 1—3) terminal setae	—	Oceanic, deep water
6. <i>M. lucens</i> Boeck	♀ 2.4—2.8 ♂ 1.8—2.3	as long as cephalo- thorax	1×2	♀ 3 joints	♀ last thoracic segment with small marginal tooth	Oceanic
7. <i>M. venusta</i> Giesbr.	♀ 2.9—3.3 ♂ 2.6	reach anal segment	1×5	♀ 2 joints	—	Oceanic, deep water

References to Description and Figures.

1. *M. macrura*: Sars, 1924—25, Pl. LIV, Figs. 1—7. Scott, 1909, Pl. XXXVIII, Figs. 8—11.
2. *M. princeps*: Giesbrecht, 1892, Pl. 33, Figs. 3, 18, 35, 40. Esterly, 1906, Pl. 11, Fig. 41; Pl. 13, Fig. 79; Pl. 14, Fig. 97. Van Breemen, 1908, Fig. 127. Sars, 1924—25, Pl. LIII.
3. *M. longa*: Giesbrecht, 1892, Pl. XXXIII, Figs. 9, 13, 20, 23, 27, 34, 38. Sars, 1900, Pl. XIX; 1903, Pls. LXXV—LXXVI. Scott, 1902, Pl. XXII, Figs. 1—2. Van Breemen, 1908, Fig. 123.
4. *M. discreta*: Sars, 1924—25, Pl. LIV, Figs. 8—11, (as *M. boeckii*). Farran, 1946.
5. *M. brevicauda*: Giesbrecht, 1892, Pl. XXXIII, Figs. 5, 10, 11, 14, 21, 32. Scott, 1909, Pl. XXXVII, Figs. 1—9. Van Breemen, 1908, Fig. 128.
6. *M. lucens*: Giesbrecht, 1892, Pl. XXXIII, Figs. 2, 12, 16, 22, 28, 36, 39, (as *M. hibernica*). Brady, 1878, Vol. I, II, Pl. II, Figs. 1—12; Pl. LVI, Figs. 19—20, (as *M. armata*). Sars, 1903, Pl. LXXVII. Van Breemen, 1908, Fig. 124.
7. *M. venusta*: Giesbrecht, 1892, Pl. XXXIII, Figs. 7, 17, 29 (as *M. venusta*), Figs. 1, 6, 24, 25, 30, (as *M. normani*). Van Breemen, 1908, Fig. 126, (as *M. venusta*), Fig. 125, (as *M. normani*). Scott, 1909, Pl. XXXVII, Figs. 15—20. Sars, 1924—25, Pl. LIV, Figs. 12—16.

Distribution

Species

Gulf of Bothnia	—
Gulf of Finland	—
Baltic proper	—
Belt Sea	—
Kattegat	3
Skagerak	3, 6
Northern North Sea	3, 6
Southern North Sea	3, 6
English Channel (eastern)	—
English Channel (western)	6
Bristol Channel and Irish Sea	6
South and West Ireland	2, 3, 6, 7
Eastern Atlantic	1, 2, 3, 4, 5, 6, 7
Faeroe Shetland Area	3, 5, 6, 7
Faeroe Iceland Area	2, 3, 6, 7
Norwegian Sea	2, 3, 6
Barents Sea	3, (6)

References to Work on Biology.

Brady (1878), 6; Cleve (1900), 3, 6; Farran (1910), 3, 6, (1920), 6, (1926), 2, 5, 6, 7, (1946), 4; Giesbrecht (1892), 2, 3, 5, 6; Jespersen (1934), 1, 2, 3, 4, 5, 6, (1940), 2, 3, 6, 7; Lysholm and Nordgaard (1921), 2, 3, 6, 7; Rae and Rees (1947), 6; Ruud (1929), 3, 6; Runnström (1932), 3, 6; Sars (1900), 3, (1903), 3, 6, (1924—25), 1, 2, 3, 4, 6, 7; Störmer (1929), 2, 3, 5, 6; Van Breemen (1908), 2, 3, 6, 7; Wiborg (1940), 3, 6; Wolfenden (1904), 3, 5, 6, 7.

### References.

- Brady, G. S., 1878, 1880. A Monograph of British Copepoda. Vol. I, II.
- Cleve, P. T., 1900. The Seasonal Distribution of Atlantic Plankton Organisms.
- Esterly, C. O., 1906. Univ. Calif. Publ. Zoology, Vol. 3, No. 5.
- Farran, G. P., 1910. Résumé des Observations sur le Plankton (1902—1908). Copepoda (1). Cons. Internat. Explor. Mer, Bull. Planktonique, I.
- 1920. Cons. Internat. Expl. Mer, Publ. Circ., No. 73.
- 1926. Journ. Linn. Soc. London, Zoology, Vol. 36, pp. 219—310.
- 1946. Ann. Mag. Nat. Hist., Ser. 11, Vol. XIII.
- Giesbrecht, W., 1892. Fauna und Flora Golf. Neapel, Vol. 19.
- Giesbrecht, W. und O. Schmeil, 1898. Das Tierreich, Lief. 6, Copepoda I. Gymnoplea.
- Jespersen, P., 1940. The Zoology of Iceland. Vol. III, Pt. 33.
- 1934. Meddelelser om Grønland. Bd. 79, No. 10.
- Lysholm, B. and O. Nordgaard, 1921. Bergens Museums Arbok, 1918—19.
- Mrazek, A., 1902. Fauna Arctica, Vol. II.
- Rae, K. M. and C. B. Rees, 1947. Hull Bull. of Mar. Ecol., No. 11, Vol. II.
- Runnström, S., 1932. Bergens Museums Arbok 1931, No. 7.
- Ruud, J. T., 1929. Cons. Internat. Explor. Mer, Rapp. et Proc.-Verb., Vol. LVI.
- Sars, G. O., 1900. Norwegian North Polar Exp., Sc. Res., Vol. 1, Pt. 5.
- 1903. An Account of the Crustacea of Norway. Vol. IV.
- 1924—25. Rés. Camp. Sci. Monaco, Vol. LXIX.
- Scott, T., 1902. 20th Ann. Rep. Fish Bd. Scot., Pt. III.
- A., 1909. Siboga-Expeditie. Monographie XXIX a, Copepoda.
- Störmer, L., 1929. Cons. Internat. Explor. Mer, Rapp. et Proc.-Verb., Vol. LVI.
- Van Breemen, P. J., 1908. Nordisches Plankton, Vol. IV, Copepoda.
- Wiborg, K. E., 1940. Hvalrådets Skrifter, No. 21.
- Wolfenden, R. N., 1904. Journ. Mar. Biol. Assoc., Vol. 7.