

CONSEIL INTERNATIONAL POUR L'EXPLORATION DE LA MER

**Zooplankton**

Sheet 14

**COPEPODA**

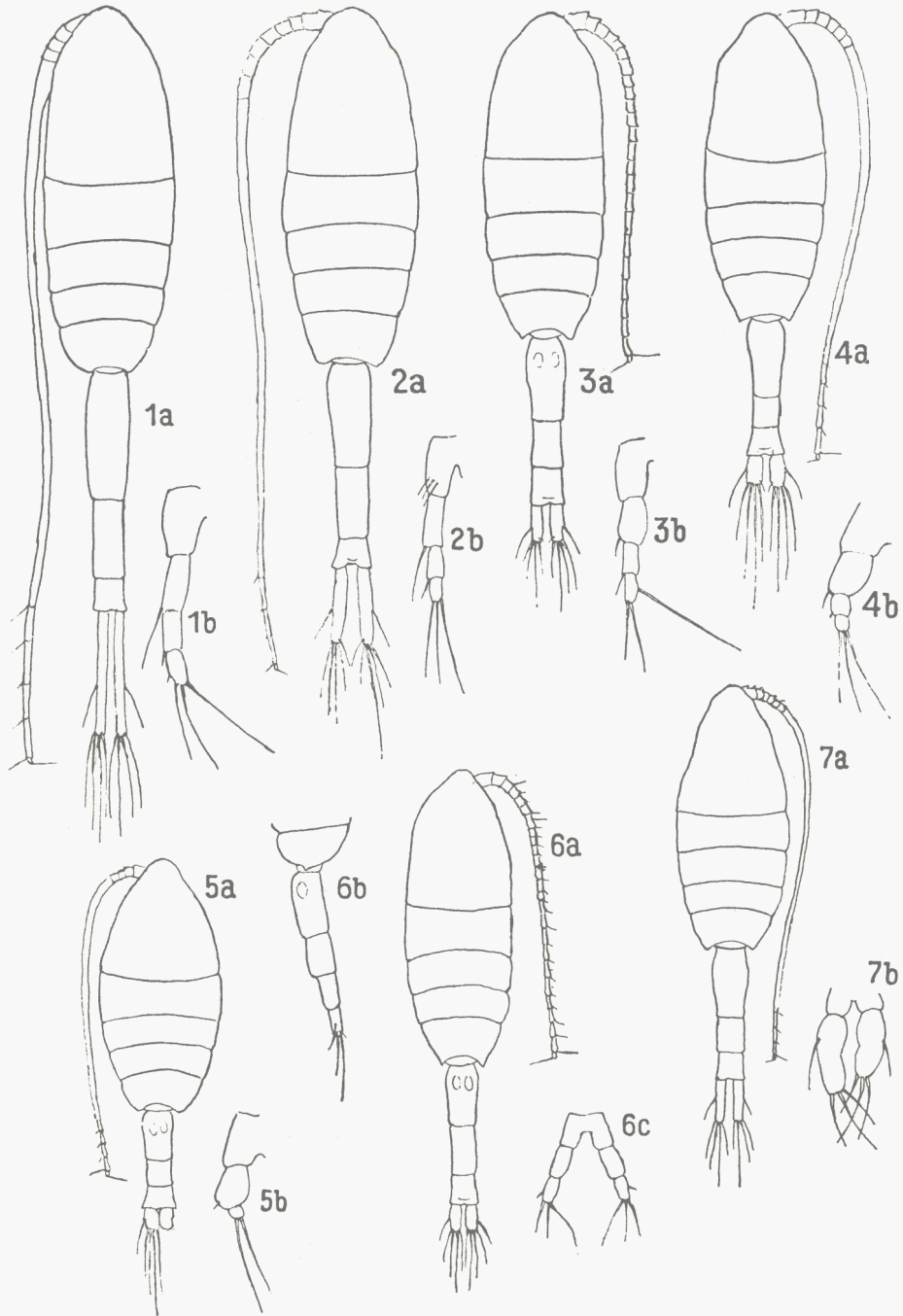
**SUB-ORDER: CALANOIDA**

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