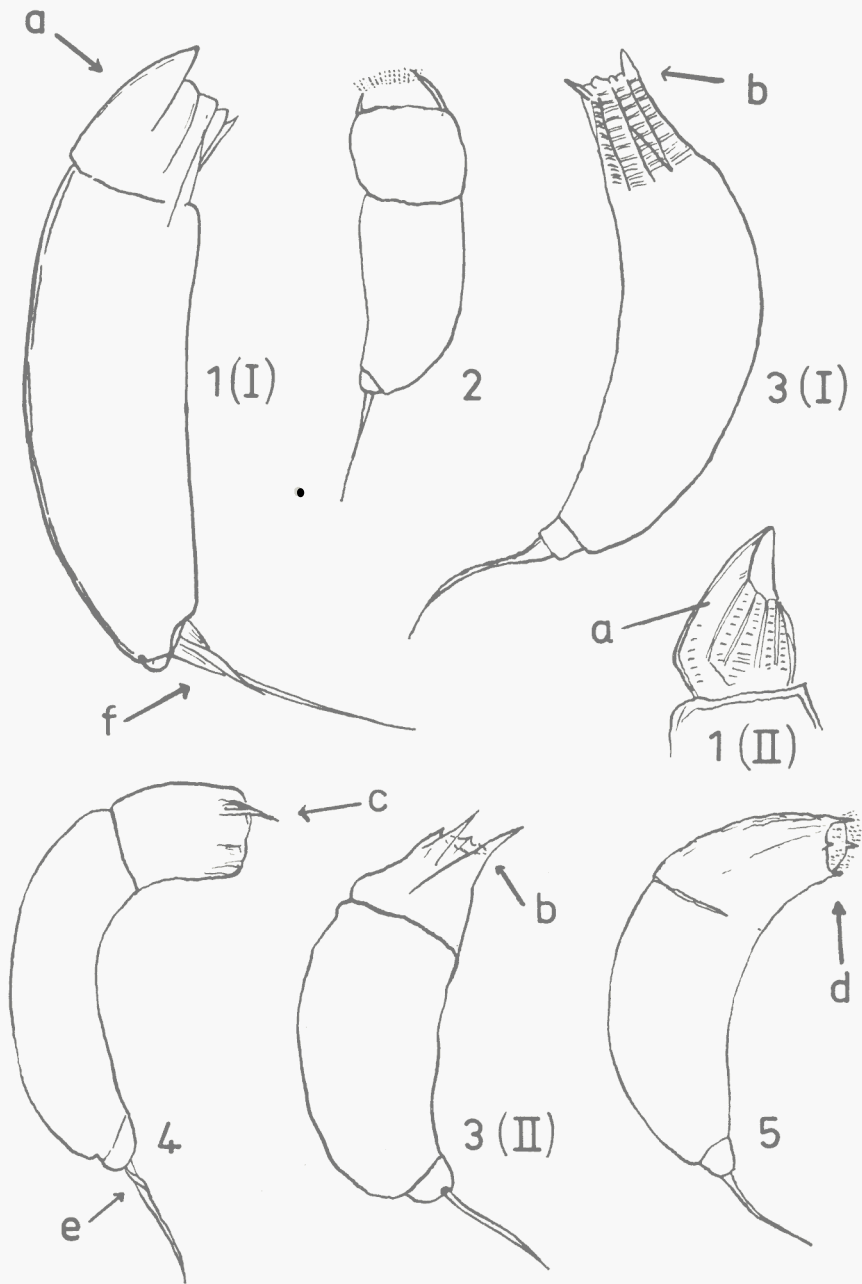


CONSEIL INTERNATIONAL POUR L'EXPLORATION DE LA MER

Zooplankton  
Sheet 85

**ROTATORIA II**  
**ORDER: MONOGONONTA**  
**SUB-ORDER: PLOIMA**  
**Family: Trichocercidae**  
**Genus: TRICHOCERCA**  
**(By Bruno Berzins)**  
**1960**



1 (I—II), *Trichocerca capucina*. 2, *T. marina dubius*. 3 (I—II), *T. marina marina*.  
4, *T. marina curvata*. 5, *T. marina lie-petterseni*.  
a = hood-like thorn, b = 2 anterior spines, c = 1 anterior spine, d = 4 anterior spines,  
e = one foot spinule, f = many foot spinules.

Genus *Trichocerca* Lamarck 1801

Body cylindrical, more or less curved, and asymmetrical. Lorica a single cylindrical piece, often with teeth and longitudinal grooves or ridges. Toes spine-like, of unequal length, often with several small spinules at their base. Mastax rod-like.

Species	On anterior margin of lorica	Toes	Length toes/body	Length of		Shape of body
				body $\mu$	toe $\mu$	
1. <i>Trichocerca capucina</i> (Wierzejski and Zacharias) 1893	Dorsally 1, very stout, hood-like thorn	One, with about 2 spinules	1/2	350—425	100—125	Very stout
2. <i>T. marina dubius</i> (Lauterborn) 1894	2 spines	One, without spinule	1/2	110	58	Small
3. <i>T. marina marina</i> (Daday) 1890	2 spines	One, without spinule	1/3	130—200	45—55	Relatively stout
4. <i>T. marina curvata</i> (Levander) 1894	1 spine	One, with 1 spinule	abt. 1/3	170—190	50—60	Slender
5. <i>T. marina lie-petterseni</i> (Beauchamp) 1907	4 spines	One, without spinule (?)	1/4	abt. 200	abt. 60	Stout

After fixation *Trichocerca marina* are all more or less curved. There is very little information about taxonomy and biology.

References to Descriptions and Figures

1. *T. capucina*: Wierzejski & Zacharias, 1893, p. 242, Pl. 13, Figs. 11—13; Levander, 1894, p. 37, Pl. 2, Fig. 16; Voigt, 1957, p. 320, Pl. 64, Fig. 4, Pl. 66, Fig. 7.
2. *T. marina dubius*: Lauterborn, 1894, p. 213, Fig. 2; Lauterborn, 1905, p. 33, Fig. 10; Voigt, 1957, p. 326, Pl. 67, Fig. 1.
3. *T. marina marina*: Daday, 1890, p. 16, Pl. 1, Figs. 2, 3, 9, 10; Beauchamp, 1907, p. 148; Zelinka, 1907, p. 19, Pl. 2, Figs. 1—7 (as *henseni*); Smirnov, 1933, p. 89, Figs. 13—14; Berzins, 1943, p. 222; Margalef, 1956, p. 156 and 135; Voigt, 1957, p. 326, Pl. 66, Fig. 17, Pl. 67, Fig. 3; Hollowday, 1949, p. 250, Fig. 2 F.
4. *T. marina curvata*: Levander, 1894, p. 38, Pl. 2, Fig. 18; Voigt, 1957, p. 326, Pl. 66, Fig. 9.
5. *T. marina lie-petterseni*: Lie-Pettersen, 1905, p. 35, Fig. 4 (as *Mastigocera marina*); Beauchamp, 1907, p. 148; Voigt, 1957, p. 326, Pl. 67, Fig. 3.

Distribution

Species

Gulf of Bothnia .....	—
Gulf of Finland .....	1, 4
Gulf of Riga .....	4
Baltic proper .....	3, 4
Belt Sea .....	3
Kattegat .....	—
Skagerak .....	3
Northern North Sea .....	3
Southern North Sea .....	2, 3
English Channel, eastern .....	—
English Channel, western .....	3
Bristol Channel and Irish Sea .....	3
South and West Ireland .....	3
North-eastern Atlantic .....	3
Faroe-Shetland area .....	3
Faroe-Iceland area .....	3
Norwegian Sea .....	5
Barents Sea .....	3

References to Work on Biology

Our knowledge about the marine *Trichocerca* is very limited.

References

- |   |  |
|---|--|
| Beauchamps, P. de, 1907. Bull. Soc. Zool. France, <b>32</b> .               | Levander, K. M., 1894. Acta. Soc. Fauna Flora Fenn., <b>12</b> (3): 72 pp. |
| Berzins, B., 1943. Fol. zool. hydrobiol., <b>12</b> : 218—44.               | Lie-Pettersen, J. O., 1905. Bergens Mus. Aarb., <b>10</b> : 44 pp.         |
| Daday, 1890. Ert. Trm. Koz., <b>19</b> (17): 16.                            | Margalef, R., 1956. Invest. Pesq., <b>4</b> : 133—35.                      |
| Hollowday, E. D., 1949. J. mar. biol. Ass. U.K., <b>28</b> : 239—53.        | Remane, A., 1929. Tierwelt Nord- & Ostsee, Lief. 7, c.                     |
| Lauterborn, R., 1894. Wiss. Meeresunters. Helgol., N.F., <b>1</b> : 207—13. | Smirnov, N. S., 1933. Trans. Arct. Inst., <b>8</b> : 79—91.                |
| Lauterborn, R., 1905. Nord. Plankton, Lief. 10: 18—42.                      | Voigt, M., 1957. Rotatoria. Die Rädertiere Mitteleuropas.                  |
|   | Zelinka, C., 1907. Ergebn. Plankt. Exped., <b>2</b> : 82 pp.               |