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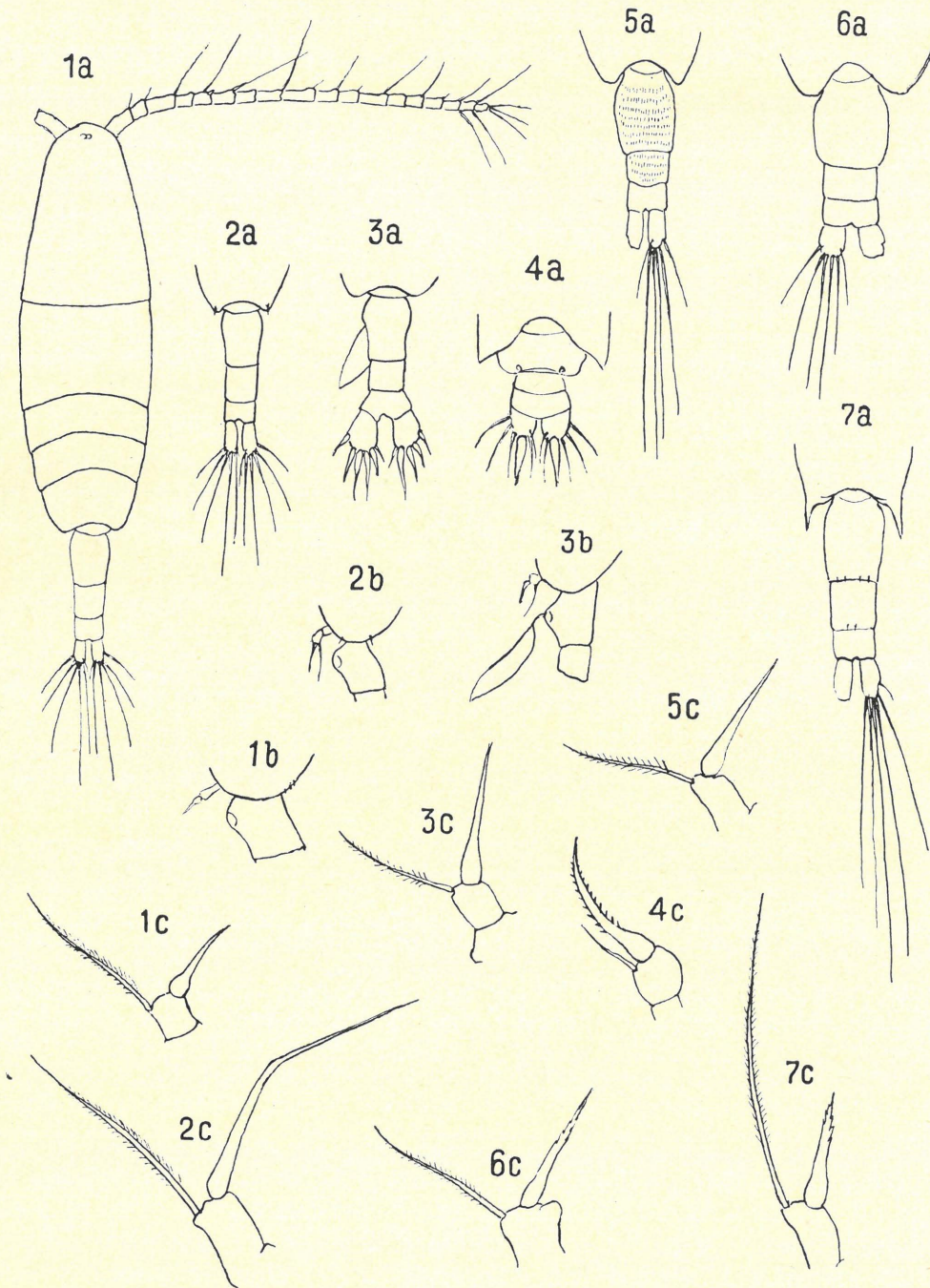
CONSEIL INTERNATIONAL POUR L'EXPLORATION DE LA MER

**Zooplankton**  
Sheet 12

**COPEPODA**  
**SUB-ORDER: CALANOIDA**

**Family: Acartiidae**  
**GENUS: ACARTIA**  
(By G. P. Farran†)  
**1948.**

41235



1. *A. clausi*. 2. *A. longiremis*. 3. *A. discaudata*. 4. *A. grani*. 5. *A. bifilosa*. 6. *A. tonsa*. 7. *A. danae*.  
a. ♀ dorsal. b. ♀ 5th thoracic and genital segments lateral. c. ♀ 5th foot.  
(Figs. 1—4 except 2b after Sars. Figs. 2b, 5—7 after Giesbrecht).

Genus ACARTIA Dana 1846.

Endopodite of 1st to 4th feet 2-jointed; antennules 17 jointed, with long setae; female 5th feet with 1 free joint and terminal claw.

Species	Length mm.	Rostral Filaments	5th Thoracic Segment	Anal Segment and Furca	Other	Remarks
1. <i>A. (Acartiura) clausi</i> Giesbr.	♀ 0.9—1.2 ♂ 1.0—1.2	lacking	rounded, ♀ with 3—5 marginal spinules	♀ Furca 1×2	—	Euryhaline
2. <i>A. (Acartiura) longiremis</i> (Lillj.)	♀ 1.1—1.2 ♂ 0.9—1.1	lacking	rounded, ♀ with 2 widely separated short stiff setae	♀ Furca 1×2.5	—	Euryhaline
3. <i>A. (Acartiura) discaudata</i> Giesbr.	♀ 1.0—1.2 ♂ 1.0—1.1	lacking	rounded	♀ very broad, furcal setae short and stout	—	Low salinity
4. <i>A. (Paracartia) grani</i> Sars	♀ 1.0 ♂ 1.0	present	♀ winged	♀ genital s. broad, furca very short with short stiff setae	♂ right grasping antennule thickened	Brackish water
5. <i>A. (Acanthcartia) bifilosa</i> (Giesbr.)	♀ 1.0—1.1 ♂ 1.0—1.1	present	rounded	♀ genital s. and following s. beset with fine spinules dorsally; furca 1×2	—	Low salinity
6. <i>A. (Acanthcartia) tonsa</i> Dana	♀ 1.2—1.5 ♂ 1.0—1.1	present	rounded	♀ Abdomen short, furca 1×1	—	Brackish water, recent immigrant to European waters
7. <i>A. (Planktcartia) danae</i> Giesbr.	♀ 1.1—1.2 ♂ 0.7—0.8	present	acute, ♀ with strong lateral spine	Furca 1×2	—	Oceanic

References to Description and Figures.

1. *A. clausi*: Giesbrecht, 1892, Pl. 30, Figs. 2, 4, 13—15, 17, 28, 36, 37; Pl. 42, Fig. 32; Pl. 43, Figs. 3, 5, 14. Steuer, 1923, Figs. 1—8. Van Breemen, 1908, Fig. 172. Candeias, 1926, Pl. 3, Figs. 39—40. Sars, 1903, Pl. 101. Giesbrecht & Schmeil, 1898. Gurney, 1931, Figs. 307—322.
2. *A. longiremis*: Giesbrecht, 1882, Pl. 3, Figs. 7, 21. Giesbrecht, 1892, Pl. 43, Figs. 17, 25; Pl. 30, Fig. 25. Steuer, 1923, Figs. 14—18. Van Breemen, 1908, Fig. 173. Sars, 1903, Pl. 99, 100. Giesbrecht & Schmeil, 1898. Gurney, 1931, Figs. 327, 328.
3. *A. discaudata*: Giesbrecht, 1882, Pl. 3, Figs. 4, 22, 23. Giesbrecht, 1892, Pl. 30, Fig. 24; Pl. 43, Figs. 2, 30. Van Breemen, 1908, Fig. 174. Steuer, 1923, Figs. 31—36. Sars, 1903, Pl. 102. Gurney, 1931, Figs. 323—326.
4. *A. grani*: Sars, 1904, Pl. 1—4 (as *Paracartia*). Van Breemen, 1908, Fig. 179 (as *Paracartia*). Steuer, 1923, Figs. 68—77.
5. *A. bifilosa*: Giesbrecht, 1882, Pl. 2, Fig. 18; Pl. 3, Figs. 6, 18, 20. Giesbrecht, 1892, Pl. 30, Fig. 29; Pl. 43, Fig. 15, p. 23. Steuer, 1923, Figs. 99—101. Giesbrecht & Schmeil, 1898. Gurney, 1931, Figs. 329—344.
6. *A. tonsa*: Giesbrecht, 1892, Pl. 30, Figs. 7, 24, 34; Pl. 43, Figs. 6, 10. Steuer, 1923, Figs. 106—109. Esterly, 1905, Fig. 49. Giesbrecht & Schmeil, 1898.
7. *A. danae*: Giesbrecht, 1892, Pl. 30, Figs. 1, 23; Pl. 43, Fig. 8. Van Breemen, 1908, Fig. 176. Steuer, 1923, Figs. 166—169. Giesbrecht & Schmeil, 1898.

Distribution

Species

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

References to Work on Biology.

Candeias (1926), 1, 7; De Lint (1922), 5; Esterly (1924), 6; Farran (1910), 1, 2; Giesbrecht (1882), 2, 3, 5; Gurney (1931), 1, 2, 3, 5; Jespersen (1940), 1, 2, 5; M. B. A. (1931), 1, 3, 4, 5; Remy (1927), 6; Redeke (1934), 6; Ruud (1929), 1, 2; Runnström (1931), 1, 2, 3; Sars (1903), 1, 2, 3, (1904), 4; Smirnov (1935), 6; Steuer (1923), 1, 2, 3, 4, 5, 6, 7; Scott (1911), 5; Van Breemen (1908), 1, 2, 3, 4, 5, 7; Wilborg (1940), 1, 5; Wilson (1932), 1, 2, 3, 5, 7.

### References.

- Candeias, A., 1926. Bull. Soc. Portug. Sci. Nat., Vol. X, No. 3.
- De Lint, G., 1922. Flora en Fauna der Zuiderzee; Cladoceren en Copepoden.
- Esterly, C. O., 1905. Univ. Calif. Pub. Zool., Vol. 2, No. 4.
- 1924. Ibid., Vol. 26, 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. Explor. Mer, Publ. Circ., No. 73.
- 1926. Journ. Linn. Soc. London, Zool., Vol. 36, pp. 219—310.
- Giesbrecht, W., 1882. 4 Ber. Comm. Wiss. Unt. Deutsch. Meere, Kiel.
- 1892. Fauna und Flora Golf. Neapel, Vol. 19.
- Giesbrecht, W. & O. Schmeil, 1898. Das Tierreich, Lief. 6. Copepoda I. Gymnoplea.
- Gurney, R., 1931. British Fresh-water Copepoda, Vol. 1.
- Jespersen, P., 1940. The Zoology of Iceland, Vol. III, Pt. 33.
- Marine Biological Association, 1931. Plymouth Marine Fauna.
- Redeke, H. C., 1934. Journ. du Conseil, Vol. IX, No. 1.
- Remy, P., 1927. Ann. Biol. Lacustre, Vol. XV.
- Ruud, J. T., 1929. Cons. Int. Explor. Mer, Rapp. et Proc. Verb., Vol. LVI.
- Runnström, S., 1932. Bergens Mus. Arb. Naturvid. Rekke 1931, Nr. 7.
- Sars, G. O., 1903. An Account of the Crustacea of Norway. Vol. IV.
- 1904. Bergens Museums Årbok.
- Scott, T., 1911. Résumé des Observations sur le Plankton (1902—1908). Copepoda (2). Cons. Internat. Explor. Mer, Bull. Planktonique, II.
- Smirnov, S., 1935. Comp. Rend. Acad. Sci. U.S.S.R., Vol. III, No. 5.
- Steuer, A., 1923. Arb. zool. Inst. Univ. Innsbruck, Vol. I, pt. 5.
- Van Breemen, P. J., 1908. Nordisches Plankton, Copepoda, Vol. IV.
- Wiborg, K. F., 1940. Hvalrådets Skrifter, No. 21.
- Wilson, C. B., 1932. The Copepods of the Woods Hole Region, Massachusetts. Smithsonian Institution, U. S. National Museum, Bull. 158.