

CONSEIL INTERNATIONAL POUR L'EXPLORATION DE LA MER

**Zooplankton.**

**Sheet 41.**

**COPEPODA**

**SUB-ORDER: CALANOIDA**

**Family: Aetideidae**

**Key to the Genera and  
References**

**(By W. Vervoort)**

**1952.**

### Family AETIDEIDAE

Copepods with strongly built, ovoid bodies and usually strongly chitinized, opaque carapaces. Head and 1st thoracic somite fused, only occasionally separate; 4th and 5th thoracic somites fused, occasionally separate. Head rounded, or with a cephalic spine or crest; postero-lateral thoracic margin rounded or pointed. Rostrum absent or present and then 1- or 2-pointed, sometimes notched or developed as a rostral plate, usually pointing downwards. Abdomen 4-segmented in female, 5-segmented in male; anal segment very short. Genital segment in female with distinct ventral tubercle.

♀. 1st antennae 24- or 25-jointed; usually rather long and slender. Endopods of 2nd antennae smaller than exopods. Some of setae on 2nd maxillae strong and spine-shaped; sometimes developed as hooks. Maxillipeds curved in a characteristic way. Exopods of 1st to 4th feet 3-jointed. Endopods of 1st feet 1- or 2-jointed, of 2nd feet 1—3-jointed, endopods of 3rd and 4th feet 3-jointed. 3rd exopodal joints of 2nd to 4th feet each with 3 spines on outer edge and 4 setae on inner edge. Terminal spines on 2nd—4th exopods strong, dentate or denticulate along outer margin. 5th feet completely absent.

♂. 1st antennae with a reduced number of joints (about 19), swollen at base and beset with thickened setae or sensory appendages. Oral parts reduced. 5th feet always present and in the various genera very differently developed. Rostrum, cephalic spine or crest reduced.

#### Key to the genera (females only):

The heavy types refer to the numerals of the key, the bracketed ones to the following sheets.

- |   |                            |  |                           |
|---|----------------------------|--|---------------------------|
| 1. Rostrum distinct, 1- or 2-pointed, occasionally notched and hidden between basal parts of 1st antennae .....   | 2                          | 8a. Smaller forms; head occasionally keeled, rostrum 2-pointed or present as bifurcated rostral plate .....                      | 9                         |
| 1a. Rostrum completely absent .....   | 11                         | 9. Rostrum developed as bifurcated, strongly chitinized rostral plate .....  | <i>Euaetideus</i> (42)    |
| 2. Cephalic spine present .....   | <i>Gaetanus</i> (46)       | 9a. Rostrum 2-pointed .....  | 10                        |
| 2a. Cephalic spine absent .....   | 3                          | 10. Endopod of 2nd foot 1-jointed, 1st exopodal joint of 1st foot without outer edge spine .....                                 | <i>Aetideus</i> (42)      |
| 3. Lamella on outer margin of 1st basal joint of maxilliped (see <i>Gaidius tenuispinus</i> , with much reduced lamella!) .....                                 | <i>Gaidius</i> (45)        | 10a. Endopod of 2nd foot 2-jointed, 1st exopodal joint with outer edge spine .....   | <i>Bradyidius</i> (43)    |
| 3a. No such lamella present .....   | 4                          | 11. Apical portion of 2nd maxilla with strong hooks .....  | <i>Chiridiella</i> (44)   |
| 4. 1st basal joint of 4th foot with spine, spines or bristles on posterior surface (see <i>Euchirella brevis</i> , in which these spines are much reduced!) ... | 5                          | 11a. Apical part of 2nd maxilla with normally developed or slightly thickened setae .....  | 12                        |
| 4a. 1st basal joint of 4th foot smooth on posterior surface .....   | 6                          | 12. Maxillipeds very large, endopod with long, curved, setose bristles .....   | <i>Pseudeuchaeta</i> (49) |
| 5. Endopod of 2nd antenna very small. <i>Euchirella</i> (47)  |                            | 12a. Maxillipeds normally shaped .....   | 13                        |
| 5a. Endopod of 2nd antenna only slightly smaller than exopod .....  | <i>Pseudochirella</i> (48) | 13. Endopod of 2nd foot 1-jointed .....  | <i>Chiridius</i> (44)     |
| 6. Genital segment with lateral or ventral spines, sometimes much reduced in size ...   | <i>Undeuchaeta</i> (49)    | 13a. Endopod of 2nd foot 2-jointed .....   | 14                        |
| 6a. Genital segment not provided with spines .....  | 7                          | 14. Exopod of 2nd antenna reduced in length, especially the apical joint. Lateral thoracic border with points turned upwards ... | <i>Bryaxis</i> (43)       |
| 7. 4th and 5th thoracic somites distinctly separate .....   | <i>Aetideopsis</i> (42)    | 14a. Exopod of 2nd antenna normally developed. Lateral thoracic margin rounded ...   | <i>Bradyetes</i> (43)     |
| 7a. 4th and 5th thoracic somites fused .....  | 8                          |  |                           |
| 8. Rostrum 1-pointed, cephalon crested, body large .....  | <i>Chirundina</i> (49)     |  |                           |

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