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Key to the species of Metridinidae Metridia occurring in the China Seas

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REVIEW-TAXONOMIC INDEX

Key to the Species of Metridinidae *Metridia* Occurring in the China Seas

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Metridia asymmetrica (6a/12a/f)*, *brevicauda* (4a/10a/f), *curticauda* (6b/12b/f), *macrura* (7a/13b/f), *pacifica* (2a/9a/f), *princeps* (7b/13a/f)*, *venusta* (4b/8a/f)

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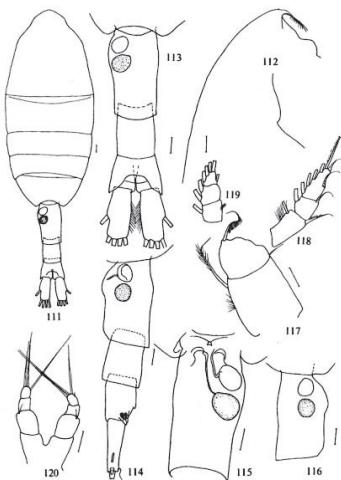
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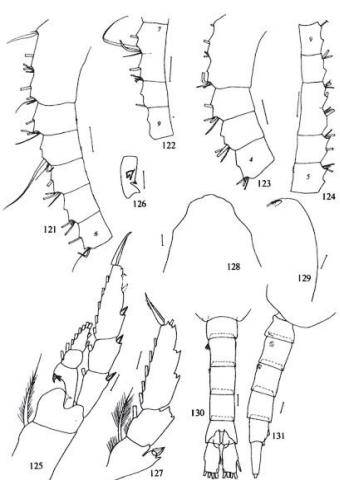


- 12b Right leg 5 with 3 segments. Left leg 5 segment 2: inner process moderately curved *Metridia curticauda*
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- 13b Left leg 5: distal segment outer margin smooth without long parallel plate. Right leg 5: segment 1 without lateral seta *Metridia macrura*
-

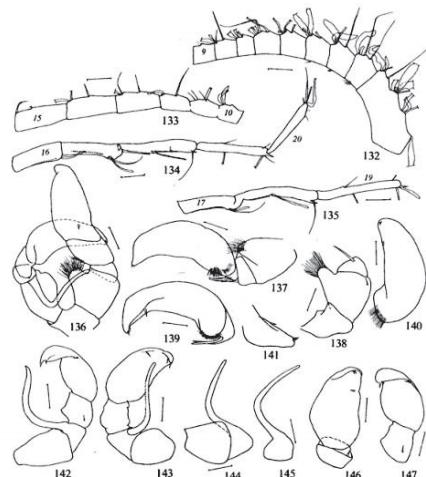
Metridia asymmetrica Brodsky, 1950 (Size: female, 3.22–4.20 mm; male, 3.00–3.90 mm)



Figs. 111-120



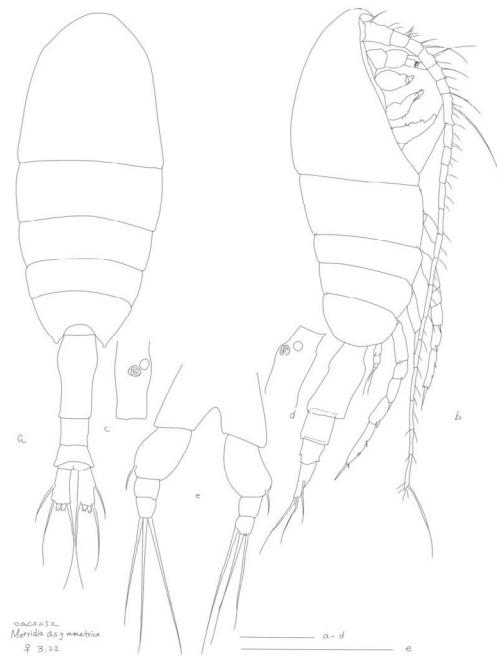
Figs. 121-131
Metridia asymmetrica Brodsky, 1950



Figs. 132-147

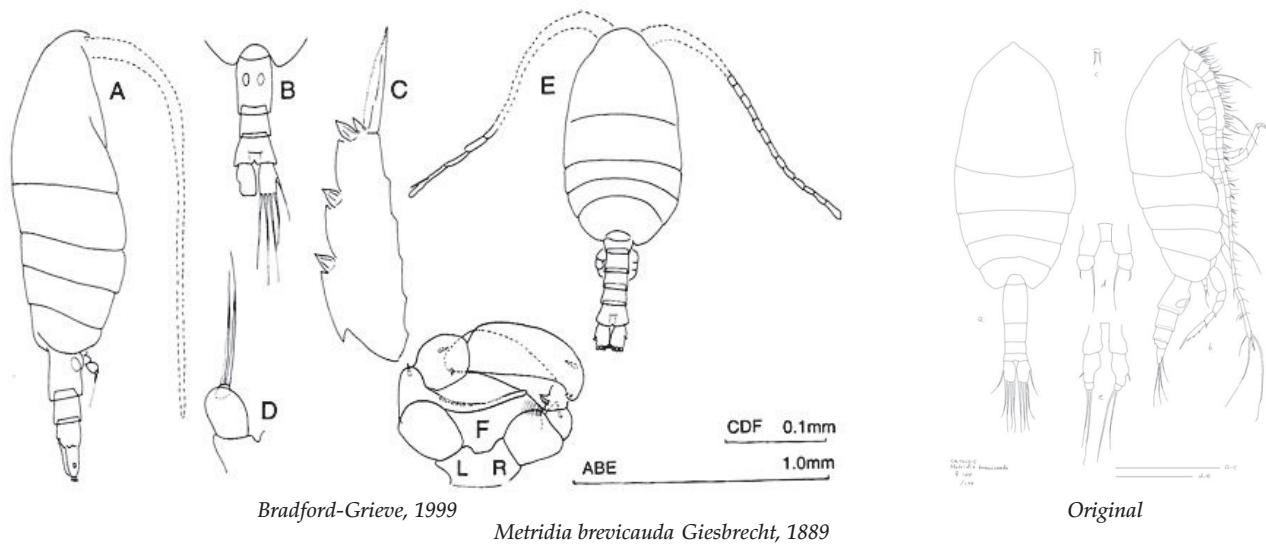
Markhaseva, 2001: Figs. 111–120. *Metridia asymmetrica* Brodsky, 1950, Female. 111. habitus (dorsal); 112. forehead (lateral); 113/114. posterior prosome & urosome (dorsal/lateral); 115/116. genital double-somite (ventral/lateral); 117. leg 1 (exopod omitted); 118. leg 1 exopod; 119. leg 1 endopod; 120. leg 5; Figs. 121–131. 121/122: right antennule (seg. 1-6/seg. 7-9); 123/124. (left antennule seg. 1-4/5-9); 125. leg 2; 126. Leg 2 endopod segment 1; 127. leg 3 exopod. Male. 128/129. forehead (dorsal/lateral); 130/131. posterior prosome & urosome (dorsal/lateral); Figs. 132–147. 132-134. left antennule (seg. 1-9/10-15/16-20); 135. left antennule seg. 17-19 (other view); 136. leg 5 (anterior); 137. right leg 5; 138. right leg 5 (coxa, basis, exopod seg. 1); 139. right leg 5 (exopod seg. 2/3); 140. right leg 5 (exopod seg. 3); 141. right leg 5 (distal part of exopod segment 3); 142/143. left leg 5; 144. left leg 5 (basis & exopod seg. 1); 145 left leg 5 exopod segment 1; 146-147. left leg 5 exopod segments 2/3.

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en>. [Accessed May 04, 2021].

Metridia asymmetrica Brodsky, 1950*Metridia asymmetrica* Brodsky, 1950

Original. *Metridia asymmetrica* Brodsky, 1950, Female, 3.22 mm, South China Sea ($7^{\circ}42'N$, $115^{\circ}39'E$, 2000 m); a/b. habitus (dorsal/lateral); c. genital double-somite (ventral); d. genital double-somite (left lateral); e. leg 5. Scales: a-d: 0.5 mm; e: 0.2 mm.

Metridia brevicauda Giesbrecht, 1889 (Size: female, 1.50–2.25 mm; male, 1.30–1.65 mm)



Bradford-Grieve, 1999

Metridia brevicauda Giesbrecht, 1889

Original

Bradford-Grieve, 1999: Fig. 75. *Metridia brevicauda* Giesbrecht, 1889, Female. A. habitus (lateral); B. urosome (dorsal); C. leg 4 exopod segment 3; D. leg 5. Male. E. habitus (dorsal); F. leg 5 (anterior).

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en>. [Accessed May 05, 2021].

Original. *Metridia brevicauda* Giesbrecht, 1889, Female, 1.64 mm., South China Sea ($6^{\circ}46'N$, $112^{\circ}43'E$, 1200 m); a/b. habitus (dorsal/lateral); c. rostral filaments (anterior); d. leg 5 (posterior); e. leg 5 (posterior, another spec., 1.94 mm, South China Sea: $7^{\circ}42'N$, $115^{\circ}39'E$, 2000 m). Scales: a-c: 0.5 mm; d, e: 0.1 mm.

Metridia curticauda Giesbrecht, 1889 (Size: female 2.25–3.80 mm; male, 1.30–2.30 mm)

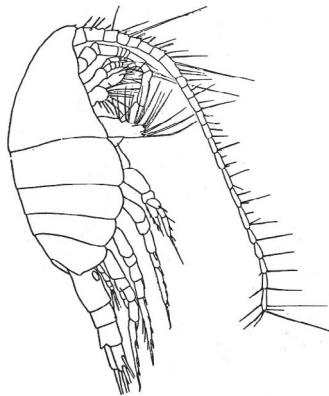


Fig. 65

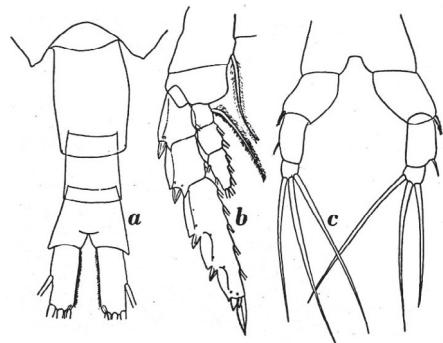


Fig. 66

Metridia curticauda Giesbrecht, 1889

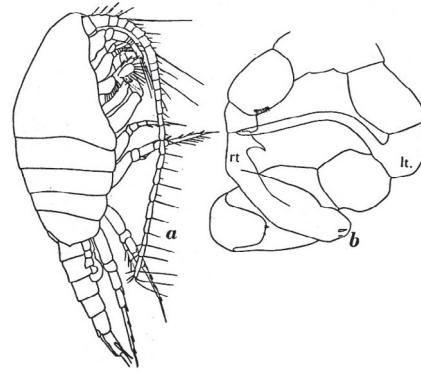
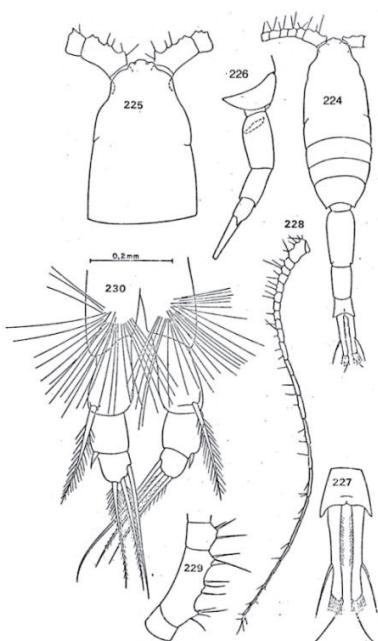


Fig. 67

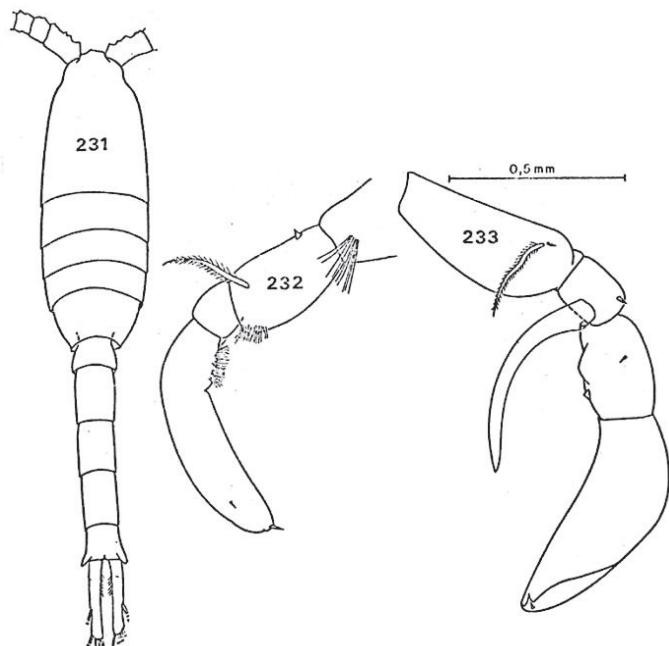
Vervoort, 1951: Fig. 65. *Metridia curticauda* Giesbrecht, 1889. Female. habitus (lateral). Fig. 66. Female. a. urosome (dorsal); b. right leg 4 (anterior); c. leg 5 (anterior). Fig. 67. Male. a. habitus (lateral); b. leg 5 (anterior).

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en>. [Accessed May 03, 2021].

Metridia macrura G.O. Sars, 1905 (Size: female, 7.22–10.50 mm; male, 7.03–9.60 mm)



Figs. 225-230



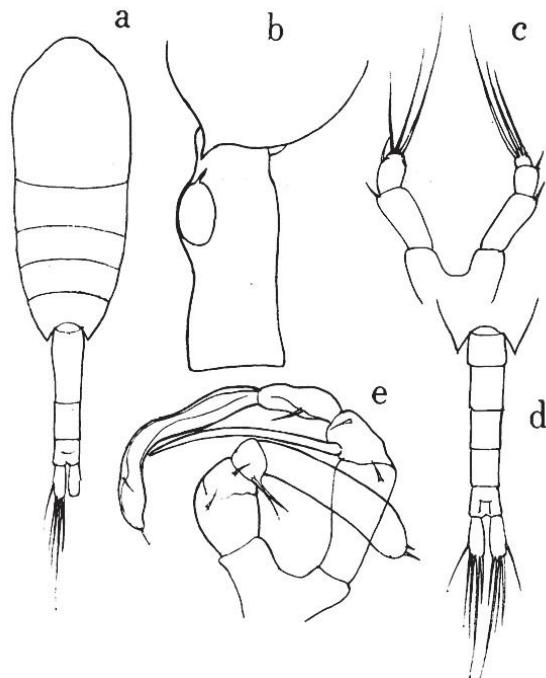
Figs. 231-233

Metridia macrura G.O. Sars, 1905

Séret, 1979: Figs. 225–230. pl. 35. *Metridia macrura* G.O. Sars, 1905, Female. 224. habitus (dorsal); 225. forehead (dorsal); 226. posterior prosome & urosome; 227. anal somite & caudal rami (dorsal); 228. antennule (dorsal); 229. antennule, proximal segments; 230. leg 5. Figs. 231–233. Pl. 36. Male. 231. habitus (dorsal); 232. left leg 5 (posterior); 233. right leg 5 (posterior).

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en>. [Accessed May 05, 2021].

Metridia pacifica Brodsky, 1950 (Size: female, 2.40–3.45 mm; male, 1.65–2.60 mm)

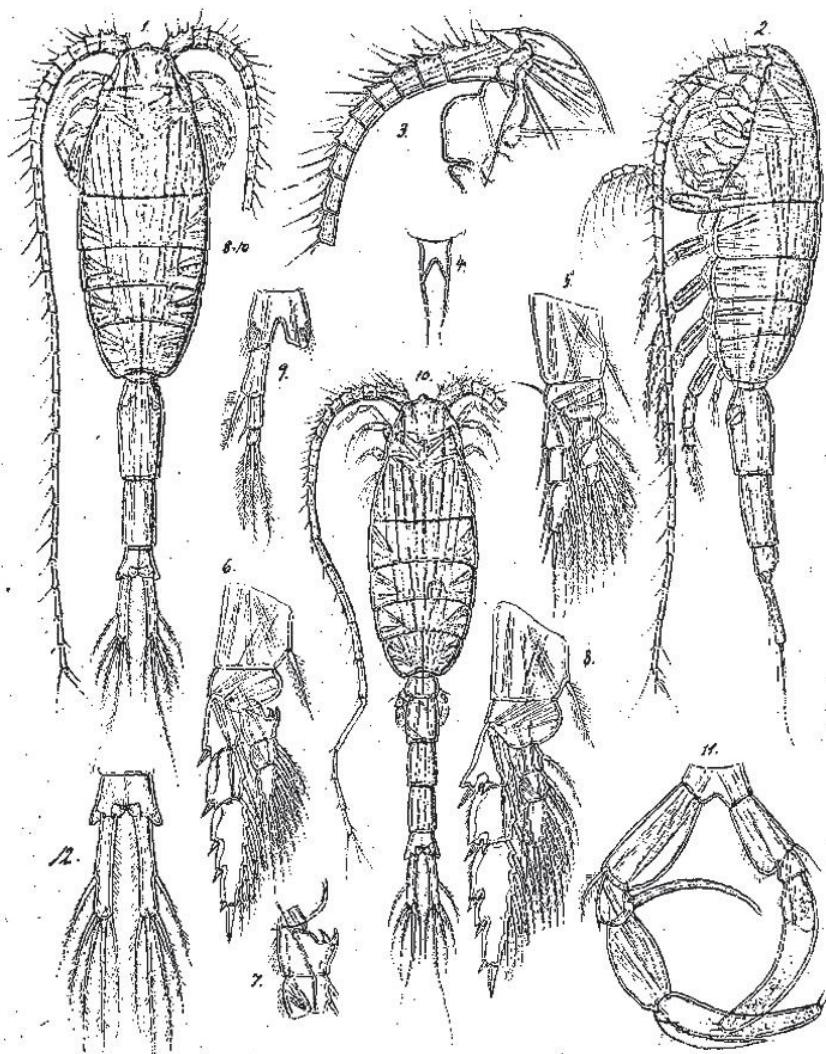


Metridia pacifica Brodsky, 1950

Tanaka, 1963: Fig. 159. *Metridia pacifica* Brodsky, 1950, Female. a. habitus (dorsal); b. pediger 5 & genital double-somite (lateral); c. leg 5. Male. d. urosome (dorsal); e. leg 5 (anterior)

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en>. [Accessed May 05, 2021].

Metridia princeps Giesbrecht, 1889 (Size: female, 6.69–9.00 mm; male, 5.80–8.50 mm)

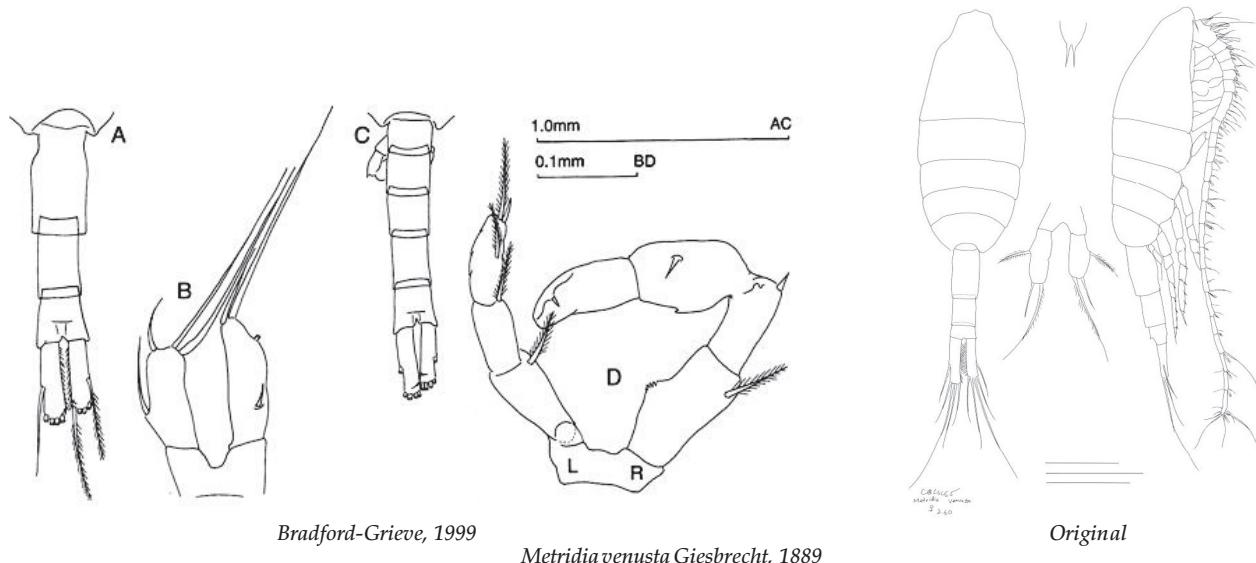


Metridia princeps Giesbrecht, 1889

Sars, 1924: pl. 53. *Metridia princeps* Giesbrecht, 1889, Female. 1/2. habitus (dorsal/lateral); 3. forehead (lateral); 4. rostrum (frontal); 5. leg 1; 6. leg 2; 7. leg 2 endopod segment 1; 8. leg 3, 9. leg 5. Male. 10. habitus (dorsal); 11. leg 5 (anterior); 12. anal somite & caudal rami (dorsal).

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en> [Accessed May 07, 2021].

Metridia venusta Giesbrecht, 1889 (Size: female, 2.65–3.30 mm; male, 2.43–2.82 mm)



Bradford-Grieve, 1999: Fig. 40. *Metridia venusta* Giesbrecht, 1889, Female. A. urosome (dorsal); B. leg 5. Male. C. urosome (dorsal); D. leg 5 (anterior).

Adapted from Razouls C., de Bovée F., Kouwenberg J. and Desreumaux N., 2005–2020. Diversity and Geographic Distribution of Marine Planktonic Copepods. Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuls.fr/en>. [Accessed May 05, 2021].

Original: *Metridia venusta* Giesbrecht, 1889, Female, 2.60, South China Sea (6°30'N, 115°01'E, 1200 m): a/b. habitus (dorsal/lateral) c. rostrum (antero-ventral); d. leg 5 (posterior). Scales: a, b = 0.5 mm; c = 0.5 mm; d = 0.1 mm.