



Key to the species of Arietellidae Arietellus occurring in the China Seas

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Recommended Citation

Shih, Chang-tai; Chen, Qing-Chao; Lan, Yang-Chi; Hsiao, Shih-Hui; and Weng, Chi-Yu (2022) "Key to the species of Arietellidae Arietellus occurring in the China Seas," *Journal of Marine Science and Technology*. Vol. 30: Iss. 5, Article 17.

DOI: 10.51400/2709-6998.2608

Available at: <https://jmstt.ntou.edu.tw/journal/vol30/iss5/17>

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REVIEW-TAXONOMIC INDEX

Key to the Species of Arietellidae *Arietellus* Occurring in the China Seas

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Arietellus aculeatus(7b/10b/f), *armatus*(7a/f)*, *giesbrechti*(4a/f)*, *plumifer*(6a/9a/f), *setosus*(6b/10a/f), *simplex*(3a/8a/f), *tripartitus*(3b/f)* (*Male unknown)

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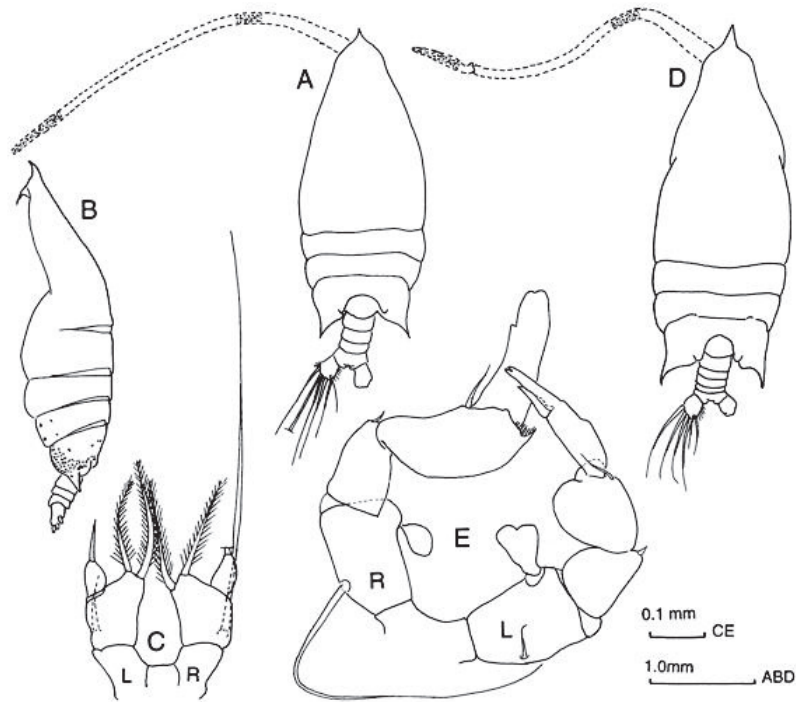
Available online 14 November 2022

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Arietellus aculeatus (T. Scott, 1894) (Size: female, 3.45–5.01 mm; male, 3.60–4.62 mm)

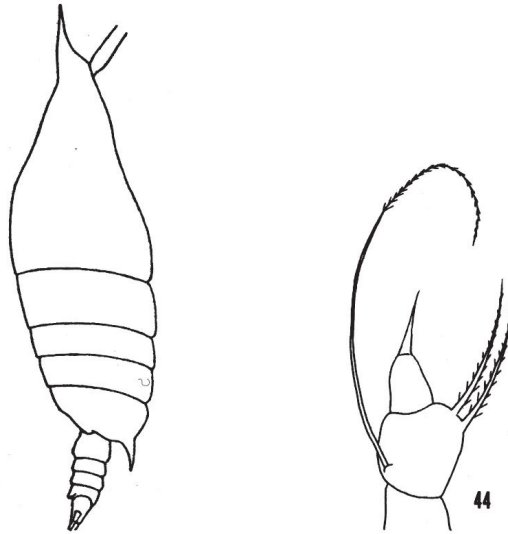


Arietellus aculeatus (T. Scott, 1894)

Bradford-Grieve, 1999. Fig.9. *Arietellus aculeatus* (T. Scott, 1894), Female (stage V): A/B, habitus (dorsal/lateral); C, leg 5 (L = left leg; R = right leg). Male: D, habitus (dorsal); E, P5.

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 20, 2021].

Arietellus armatus Wolfenden, 1911 (Size: female, 4.50–5.01 mm; male, unknown)



Wolfenden

Owre & Foyo

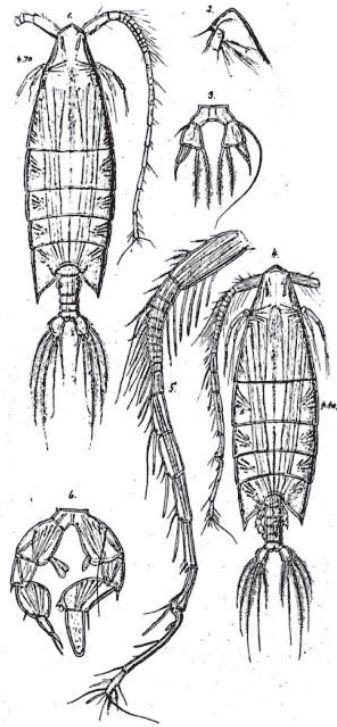
Arietellus armatus Wolfenden, 1911

Wolfenden, 1911. Fig. 67. *Arietellus armatus* Wolfenden, 1911, Female (from tropical Atlantic): habitus (lateral).

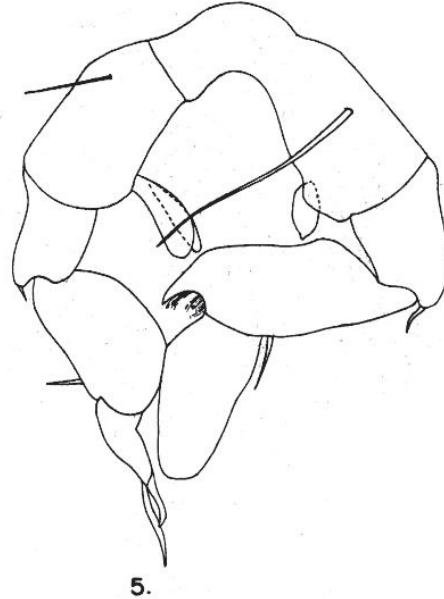
Owre & Foyo, 1967. Fig. 44. *Arietellus armatus* Wolfenden, 1911, Female from 14°55'N, 64°50'W): 44, leg 5.

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 20, 2021].

Arietellus giesbrechti Sars, G.O., 1905 (Size: female, 4.70–5.70; male, 4.67–5.35 mm)



Sars, 1924



Grice, 1962

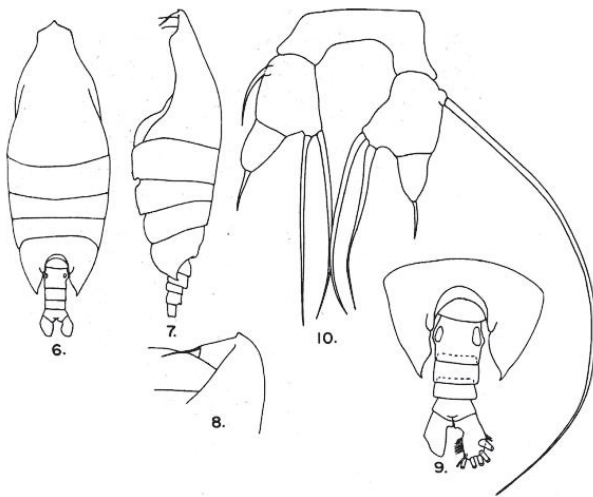
Arietellus giesbrechti Sars, G.O., 1905

Sars, 1924. Pl.119, Figs. 1–6. Female: 1, habitus (dorsal); 2, forehead (lateral); 3, leg 5. Male: 4, habitus (dorsal); 5, left anennule; 6, leg 5.

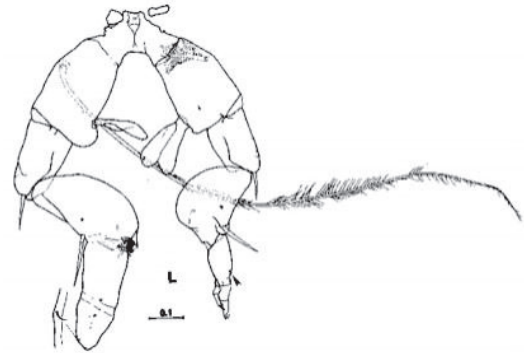
G.D. Grice, 1962. Pl.27, Fig. 5. Male (from 00°00', 149°38'W): leg 5.

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 20, 2021].

Arietellus plumifer Sars, 1905 (Size: female, 4.55 + 6.24 mm; male, 4.48–5.90 mm)



Grice



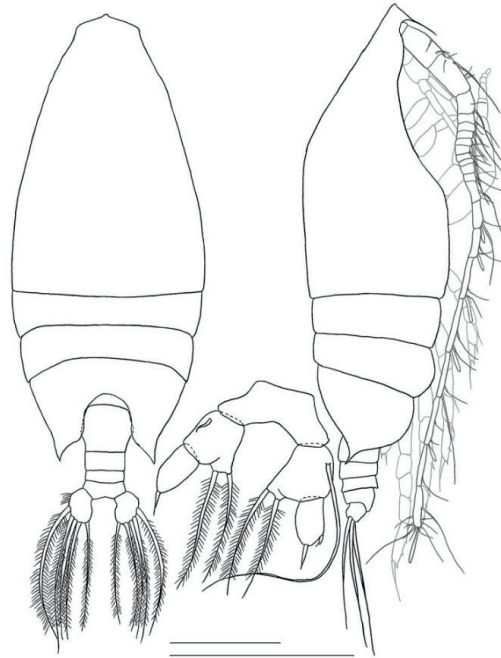
Ohtsuka et al.

Arietellus plumifer Sars, 1905

Grice, 1962. Pl.27, Figs. 6–10. *Arietellus plumifer* Sars, 1905, Female (from equatorial Pacific): 6–7, habitus (dorsal/lateral); 8, forehead (lateral); 9, posterior prosome and urosome (dorsal); 10, leg 5.

Ohtsuka, Boxshall & Roe, 1994. Fig. 18, *Arietellus plumifer* Sars, 1905, Male: L, leg 5 (anterior). Scale bar in mm. Nota: leg 5 with coxae fused to intercoxal sclerite to form common plate, right coxa almost fused with basis, left coxa completely separate from basis. Right leg with endopod 1-segmented, spatulate; exopod indistinctly 3-segmented. Left leg with endopod indistinctly 2-segmented (unarmed); exopod indistinctly 3-segmented.

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 14, 2021].

Arietellus plumifer Sars, 1905

Original

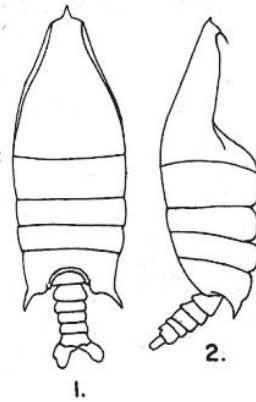
Arietellus plumifer Sars, 1905

Original. *Arietellus plumifer* Sars, 1905, female, 5.08 mm, South China Sea (8°33'N, 115°41'E, 1000 m), habitus (dorsal/lateral); leg 5.

Arietellus setosus Giesbrecht, 1892 (Size: female, 4.27–5.50 mm; male, 3.93–6.20 mm)

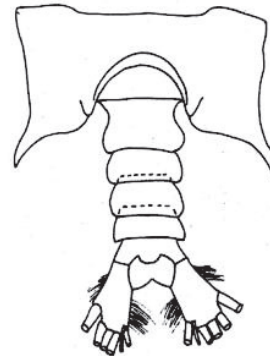


Sars



1.

2.



3.

4.

Grice

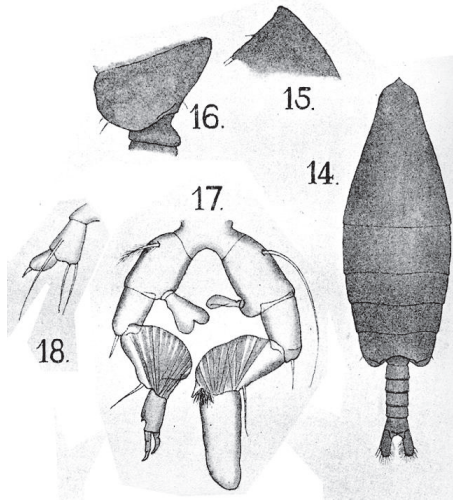
Arietellus setosus Giesbrecht, 1892

Sars, 1924. Pl.CXVIII, Figs. 1–16. *Arietellus setosus* Giesbrecht, 1892, Female: 1, habitus (dorsal); 2, idem (lateral left side); 3, forehead (lateral); 4, rostrum; 5, antennule; 6, antenna; 7, mandible; 8, maxillule; 9, maxilla; 10, maxilliped; 11, leg 1; 12, leg 3; 13, leg 4; 14, leg 5. Male: 15, leg 5; 16, distal part of urosome and caudal rami (dorsal).

Grice, 1962. Pl.27, Figs. 1–4. *Arietellus setosus* Giesbrecht, 1892, Male (from 01°10'S, 134°57'W): 1/2, habitus (dorsal/lateral); 3, posterior part of prosome and urosome (dorsal); 4, leg 5. Nota: The posterior prosomal margins are widely divergent. The forehead terminates in an acute point.

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 14, 2021].

Arietellus simplex Sars, 1905 (Size: female, 4.75–6.95 mm; male, 4.85–6.20 mm)

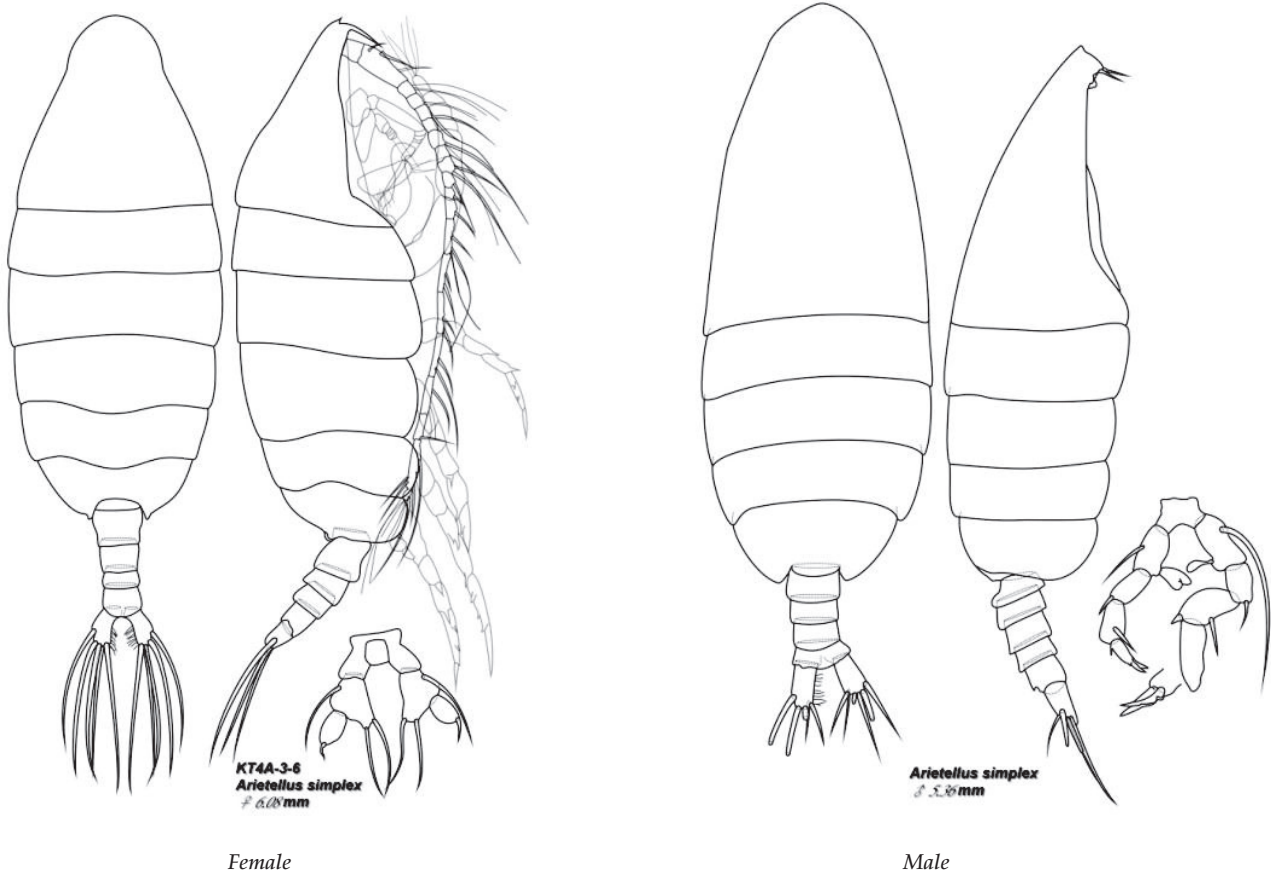


Scott, 1909

Arietellus simplex Sars, 1905

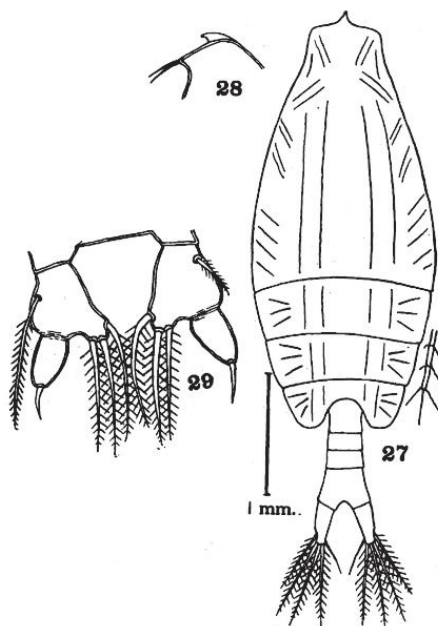
Scott, 1909. Plate 46, Figs. 14–18. *Arietellus simplex* Sars, 1905, Male (from Molucca Passage): 14. habitus (dorsal); 15. forehead (lateral); 16. pediger 5 and genital double-somite; 17, leg 5. Female (after Esterly, 1906): 18, leg 5.

Razouls C., Desreumaux N., Kouowenberg J. and de Bovée F., 2005–2021. Biodiversity of marine planktonic Copepods (morphology, geographical distribution and biological data). Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuks.fr/en>. [Accessed April 07, 2021].

Arietellus simplex Sars, 1905*Arietellus simplex* Sars, 1905

Original. *Arietellus simplex* Sars, 1905. Female, 6.08 mm, east of Taiwan, habitus (dorsal/lateral); leg 5. Male, 5.36 mm, east of Taiwan, habitus (dorsal/lateral); leg 5.

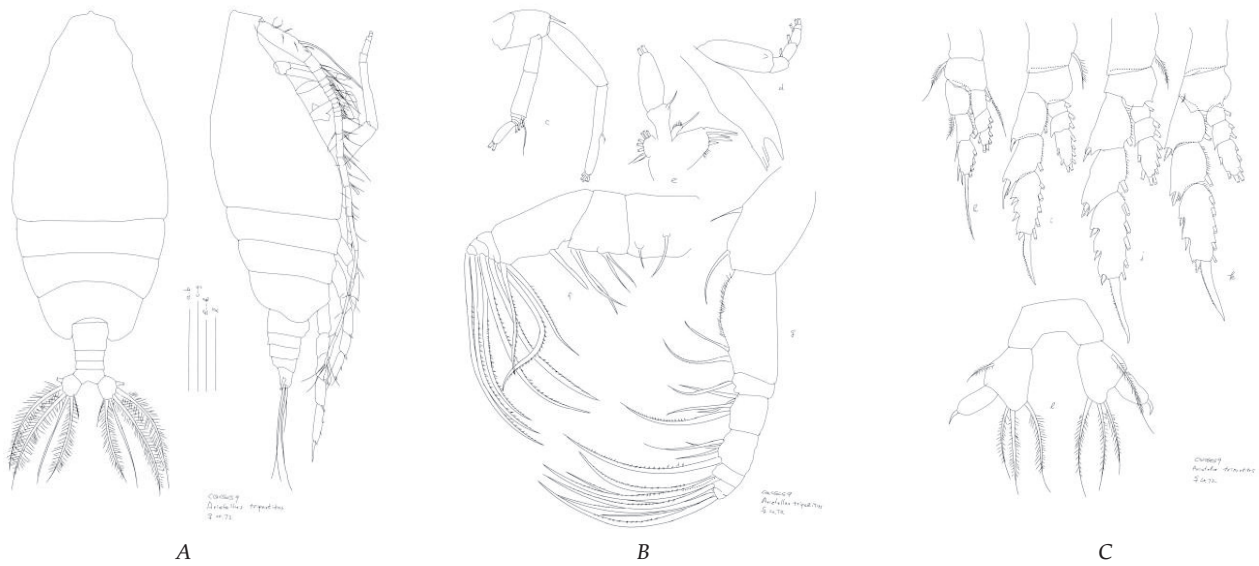
Arietellus tripartitus C.B. Wilson, 1950 (Size: female, 4.00–4.76 mm; male, unknown)



Arietellus tripartitus C.B. Wilson, 1950

Wilson, 1950. Pl. 4, Figs. 27–29. *Arietellus tripartitus* C.B. Wilson, 1950, Female, South China Sea (9°02'S, 123°20'W). 27, habitus (dorsal); 28, forehead (lateral); 29, leg 5.

Razouls C., Desreumaux N., Kouowenberg J. and de Bovée F., 2005–2021. Biodiversity of marine planktonic Copepods (morphology, geographical distribution and biological data). Sorbonne University, CNRS. Available at <http://copepodes.obs-banyuks.fr/en>. [Accessed April 07, 2021.]

Arietellus tripartitus C.B. Wilson, 1950*Arietellus tripartitus* C.B. Wilson, 1950

Original. *Arietellus tripartitus*. Female, 4.76 mm. South China Sea (8°33'N, 115°41'E, 1000 m). A. habitus (dorsal/lateral); B. Oral parts (antenna, mandible, maxillule, maxilla; maxilliped). C. Legs 1–5.