



Journal of Marine Science and Technology



Volume 30
Issue 5 Review-Special Issue (Part 2)

Article 16

Key to the species of Aetideidae Valdiviella occurring in the China Seas

Chang-tai Shih

National Taiwan Ocean University, ctshih@mail.ntou.edu.tw

Qing-Chao Chen

South China Sea Institute of Oceanology

Yang-Chi Lan

Fisheries Research Institute

Shih-Hui Hsiao

National Taipei University of Education

Chi-Yu Weng

Institute of Oceanography, National Taiwan University/Ocean Data Bank of the Ministry of National Science and Technology Council, Taiwan

Follow this and additional works at: <https://jmstt.ntou.edu.tw/journal>

 Part of the Fresh Water Studies Commons, Marine Biology Commons, Ocean Engineering Commons, Oceanography Commons, and the Other Oceanography and Atmospheric Sciences and Meteorology Commons

Recommended Citation

Shih, Chang-tai; Chen, Qing-Chao; Lan, Yang-Chi; Hsiao, Shih-Hui; and Weng, Chi-Yu (2022) "Key to the species of Aetideidae Valdiviella occurring in the China Seas," *Journal of Marine Science and Technology*: Vol. 30: Iss. 5, Article 16.

DOI: 10.51400/2709-6998.2607

Available at: <https://jmstt.ntou.edu.tw/journal/vol30/iss5/16>

This Review-Taxonomic Index is brought to you for free and open access by Journal of Marine Science and Technology. It has been accepted for inclusion in Journal of Marine Science and Technology by an authorized editor of Journal of Marine Science and Technology.

REVIEW-TAXONOMIC INDEX

Key to the Species of Aetideidae *Valdiviella* Occurring in the China Seas

Chang-tai Shih ^{a,*}, Qing-Chao Chen ^b, Yang-Chi Lan ^c, Shih-Hui Hsiao ^d, Chi-Yu Weng ^e

^a National Taiwan Ocean University, Taiwan

^b South China Sea Institute of Oceanology, China

^c Fisheries Research Institute, Taiwan

^d National Taipei University of Education, Taiwan

^e Institute of Oceanography, National Taiwan University/Ocean Data Bank of the Ministry of National Science and Technology Council, Taiwan

Valdiviella insignis(2b/3b/f), *oligarthra*(2a/3a/f)

1a	Female	2
1b	Male	3
2a/1a	In dorsal view, posterolateral corners of prosome diverged. Genital double-somite: length/width ratio 1.6.....	<i>Valdiviella oligarthra</i>
2b	In dorsal view, posterolateral corners of prosome closed to urosome. Genital double-somite: length/width ratio 1.2.....	<i>Valdiviella insignis</i>
3a/1b	Right leg 5: endopod extended passing triangular protrusion on inner margin of exopod segment 1. Left leg 5: length ratio of exopod segment 1/endopod 1.2	<i>Valdiviella oligarthra</i>
3b	Right leg 5: endopod extended nearly reaching triangular protrusion on inner margin of exopod segment 1. Left leg 5: length ratio of exopod segment 1/endopod 1.6.....	<i>Valdiviella insignis</i>

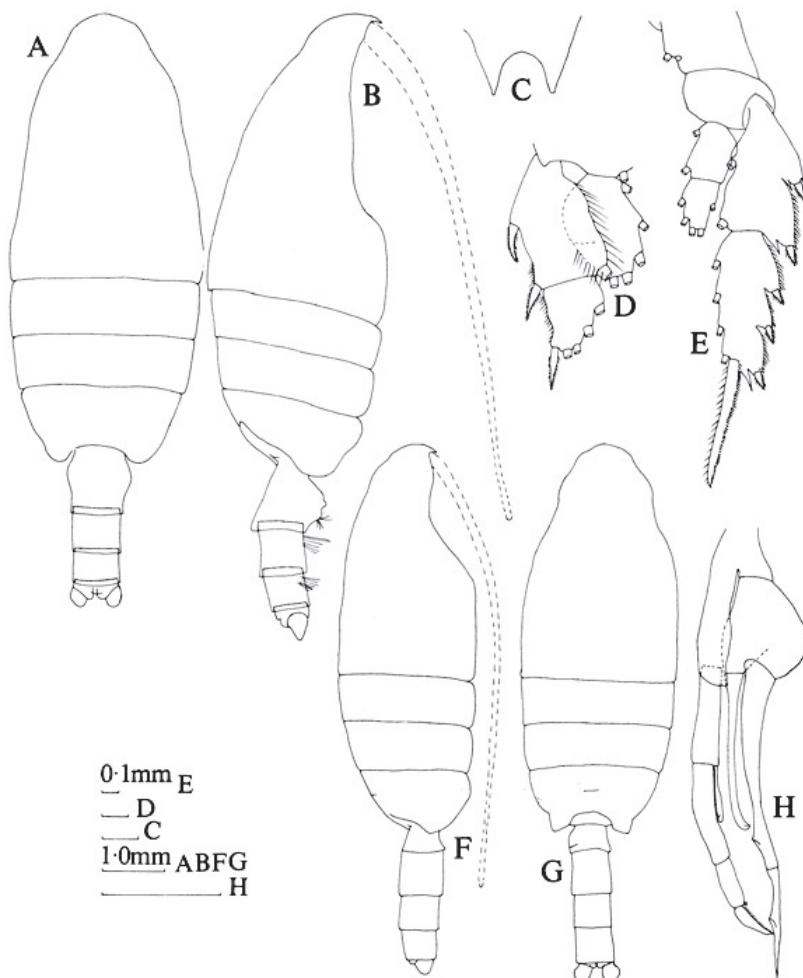
Available online 14 November 2022

* Corresponding author.

E-mail address: ctshih@mail.ntou.edu.tw (C.-t. Shih).



Valdiviella insignis Farran, 1908 (size: female: 8.50–12.00 mm; male: 8.02–10.00 mm)

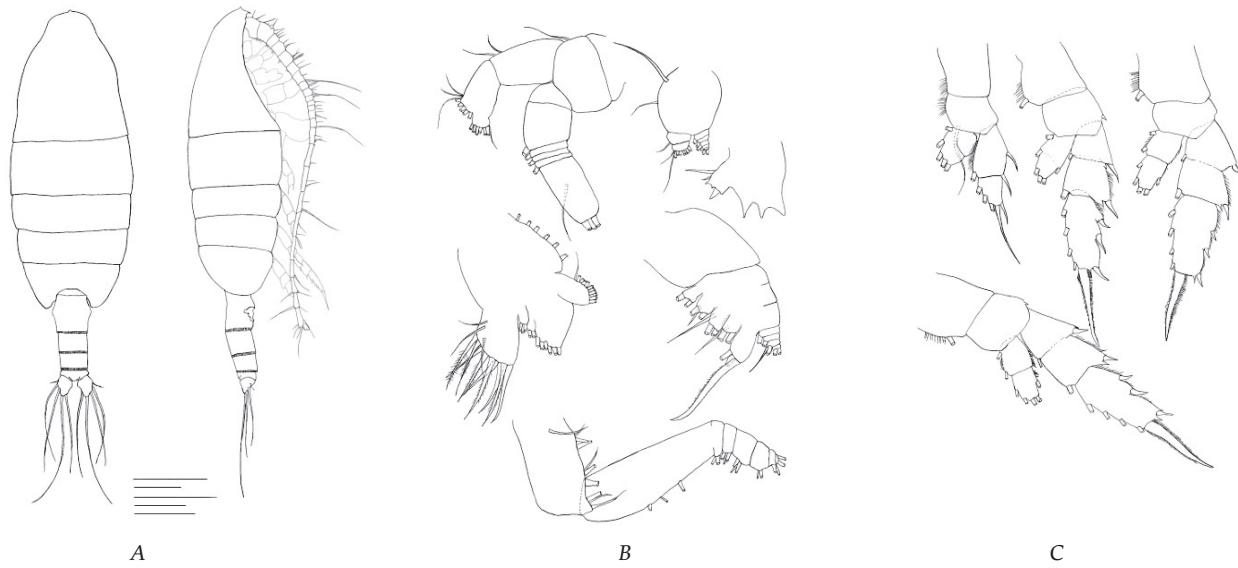


Bradford & Jillett

Valdiviella insignis Farran, 1908

J.M. Bradford & J.B. Jillett, 1980. Fig. 59. *Valdiviella insignis* Farron, 1908, Female: A/B habitus (dorsal/lateral); C.rostrum; D. Leg 1; E. leg 4. Male. F/G. habitus (lateral/dorsal); H. leg 5.

Adapted from Razouls C., Desreumaux N., Kouwenberg 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-banyuls.fr/en> [Accessed May 23, 2021]

Valdiviella insignis Farran, 1908*Valdiviella insignis* Farran, 1908

Original. *Valdiviella insignis* Farran, 1908. *Valdiviella insignis* Farran, 1908, Female 10.28 mm. South China Sea (6°46'N, 112°43'E, 1200 m), A. habitus (dorsal/lateral). B. 1. Antenna; 2a. Mandibular palp; 2b. Mandibular chewing edge; 3. Maxillule; 4. Maxilla; 5. maxilliped. C. legs 1–4.

Valdiviella oligarthra Steuer, 1904 (size: female: 7.20–10.00 mm; male: 6.02–9.08 mm)

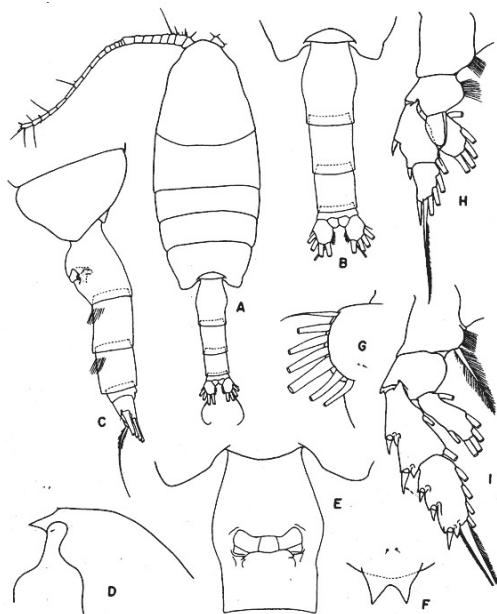


Fig. 59

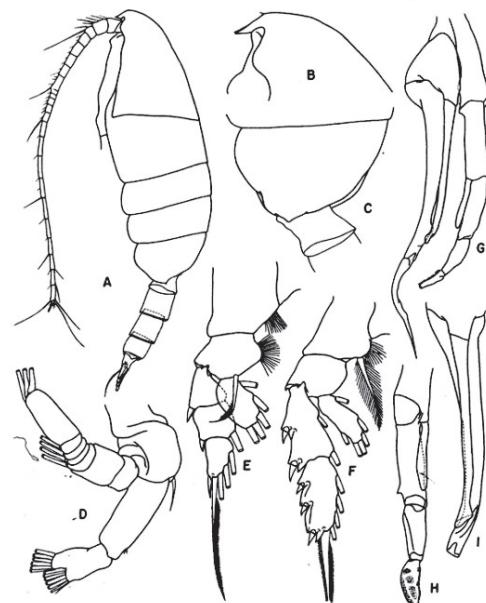


Fig. 60

Valdiviella oligarthra Steuer, 1904

T. Park, 1978. Fig. 59. *Valdiviella oligarthra* Steuer, 1904, Female: A. habitus (dorsal); B/C, posterior prosome & urosome (dorsal/lateral); D. forehead; E. genital double-somite (ventral); D. antenna; E/F. leg 1/2; G. leg 5; H. left leg 5, exopod & endopod (medial); I. right leg 5 exopod segment 1 & endopod (medial). Fig. 60. Male: A, habitus (left side); B, forehead (lateral); C, last metasomal and genital segments (lateral); D, antenna; E, leg 1; F, leg 2; G, leg 5; H, exopod and endopod of left leg 5, medial; I, first exopodal segment and endopod of right leg 5.

Adapted from Razouls C., Desreumaux N., Kouwenberg 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-banyuls.fr/en> [Accessed May 23, 2021]