

## A New Species of *Spinileberis* (Crustacea: Ostracoda: Cytheroidea) from the Philippines

Yuriko Nakao<sup>1</sup> and Akira Tsukagoshi<sup>2</sup>

<sup>1</sup>Department of Geosystem Sciences, College of Humanities and Sciences, Nihon University,  
3-25-40, Sakurajosui, Setagaya-ku, Tokyo, 156-8550 Japan  
E-mail: synakao@chs.nihon-u.ac.jp

<sup>2</sup>Institute of Geosciences, Faculty of Sciences, Shizuoka University,  
Oya 836, Suruga-ku, Shizuoka, 422-8529 Japan  
E-mail: satukag@ipc.shizuoka.ac.jp

(Received 8 July 2009; Accepted 18 May 2010)

Species of the genus *Spinileberis* (Crustacea: Ostracoda: Podocopida: Cytheridae) have been recorded frequently from brackish waters around the North Pacific Ocean and as fossils from sedimentary deposits of and after the Neogene of East Asia. A new species of this genus, *S. endoi*, is herein described from the Philippines. In having a thick and ragged carapace and merodont hingement, the new species substantially differs from the type species of the genus, *S. quadriaculeata* (Brady, 1880), but the morphology of the soft parts (appendages) places *S. endoi* in this genus. Morphologically, the new species is most similar to *S. costata* Hu, 1977 and *S. marginocarinalis* Hu, 1981. It represents the southernmost record so far known for this genus in the northwestern Pacific.

**Key Words:** Crustacea, Ostracoda, *Spinileberis*, new species, Philippines, sea grass bed.

### Introduction

The genus *Spinileberis* was proposed by Hanai (1961) as a new genus of the podocopidan ostracod family Cytheridae. The type species of the genus, *Cythere quadriaculeata* Brady, 1880, was originally described from the Inland Sea of Japan and Honolulu, Hawaii (Brady 1880). Hanai (1961) pointed out the general similarity of the carapace morphology of this species to that typical of the genus *Neomonoceratina*, but in the genetic diagnosis he highlighted a difference in the hinge structure. *Spinileberis* possesses an amphidont type of hingement rather than the schizodont type that is common in *Neomonoceratina*. He stated nonetheless that “*Paijenborchella* (*Neomonoceratina*) *koenigswaldi* Key may perhaps be closely related to this new genus.” Since Hanai’s (1961) work, 12 species of *Spinileberis* have been reported from the Pacific: *S. hyalina* Watling, 1970 from California/Recent; *S. furuyaensis* Ishizaki and Kato, 1976 from Japan/Pleistocene; *S. costata* Hu, 1977 from Taiwan/Pleistocene; *S. bella* (Guan, 1978) from southern China/Pliocene; *S. marginocarinalis* Hu, 1981 from Taiwan/Pleistocene; *S. inflexicostata* Chen in Gou *et al.*, 1981 and *S. longicaudata* Chen in Gou *et al.*, 1981 from the northern South China Sea/Miocene; *S. pulchra* Chen in Hou *et al.*, 1982, *S. rhomboidalis* Chen in Hou *et al.*, 1982, and *S. sinensis* Chen in Hou *et al.*, 1982 from eastern China/Pleis-