

Reassignment of *Lucasioides nebulosus* to *Agnara* (Crustacea: Isopoda: Oniscidea) and Redescription of the Species

Aska Yamaki¹, Masamichi T. Ito² and Tomohiko Kikuchi³

¹ Faculty of Environment and Information Sciences, Yokohama National University,
79-1 Tokiwadai, Hodogaya, Yokohama, Kanagawa, 240-8501 Japan
E-mail: d03ta018@ynu.ac.jp

² Faculty of Economics, Surugadai University, 698 Asu, Hannou, Saitama,
357-8555 Japan
E-mail: itooc@surugadai.ac.jp

³ Faculty of Education and Human Sciences, Yokohama National University,
79-1 Tokiwadai, Hodogaya, Yokohama, Kanagawa, 240-8501 Japan
E-mail: kikuchi@edhs.ynu.ac.jp

(Received 18 March 2007; Accepted 7 October 2008)

A reexamination of the type series of the terrestrial oniscid isopod *Lucasioides nebulosus* Nunomura, 2000 led us to fully evaluate its generic position. The species is here transferred to the genus *Agnara* Budde-Lund, 1908. We redescribe in detail *Agnara nebulosa* comb. nov. based on the type series, and compare it with the closest relative, *A. pannuosa* (Nunomura, 1987). **Key Words:** Crustacea, Isopoda, Oniscidea, Agnaridae, *Agnara nebulosa* comb. nov., redescription, Japan.

Introduction

Nunomura (2000) described a new species of terrestrial isopod, *Lucasioides nebulosus* Nunomura, 2000, on the basis of 16 specimens collected from the grounds of the Imperial Palace, Tokyo, Japan. He did not comment in detail on the generic assignment of it, but he compared it with two species of *Lucasioides*, *L. minatoi* (Nunomura, 1987) and *L. hachijoensis* (Nunomura, 1987), and suggested that they all show close similarities in morphology.

During the course of a revisionary study of *Lucasioides* in Japan, we reexamined the type series of *L. nebulosus* and became convinced that this species should be assigned to the genus *Agnara* Budde-Lund, 1908. It agrees with this latter genus in every diagnostic aspect, including the co-ordinates of the nodulus lateralis on the pereonites and characters of the cephalothorax and pereonite 1. Furthermore, we found some minor, but diagnostically important features that were not mentioned in the original description. In this study, we redescribe and illustrate *Agnara nebulosa* comb. nov. in detail and briefly discuss its affinity to congeneric species