

A Second Record of *Cyphagogus boninensis*, an Endemic Brentid Weevil (Coleoptera, Curculionidae, Brentinae) to the Ogasawara Islands, Tokyo, Japan, with Description of the Male

Shūsuke SHIMAMOTO¹⁾, Hiroaki KOJIMA^{1)*} and Hiroshi NAGANO²⁾

¹⁾Laboratory of Entomology, Tokyo University of Agriculture,
1737 Funako, Atsugi, 243–0034 Japan

²⁾Japan Wildlife Research Center, 3–3–7 Kotobashi, Sumida-ku, Tokyo, 130–8606 Japan

* Corresponding author; e-mail: h3kojima@nodai.ac.jp

Abstract A second record of the occurrence of an endemic brentid weevil, *Cyphagogus boninensis* MORIMOTO et Kojima, 2005 in the Ogasawara Islands of Japan is reported, with description of the male.

Cyphagogus boninensis (Brentinae, Cyphagogini) was described by MORIMOTO and KOJIMA (2005) based on a single female specimen collected from Hahajima Is. belonging to the Ogasawara Islands, one of the World Natural Heritages in Japan. The specimen was attracted to a chemical attractant trap set 1 m above from the ground in July, 1995. Since then, no additional specimen has ever been captured, in spite of repeated setting of the same trap and other surveys in several parts of the islands.

Recently, the senior author found out a male specimen of this species during sorting of beetle samples captured on Hahajima Is. by chemical attractant traps. In this short report, we will record it as a second record of this species, and describe the male morphological traits for the first time.

The specimen will be preserved in the Laboratory of Entomology, Tokyo University of Agriculture, Atsugi.

Cyphagogus boninensis MORIMOTO et KOJIMA, 2005

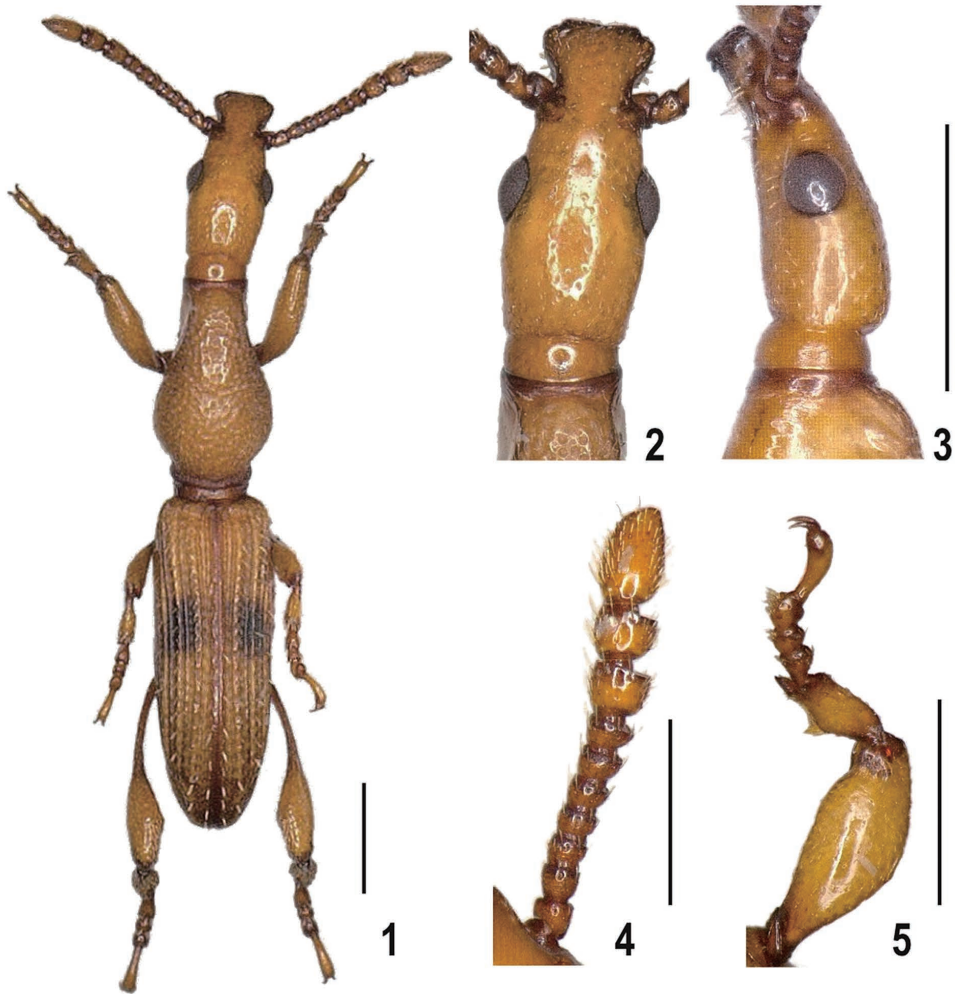
(Figs. 1–5)

Cyphagogus boninensis MORIMOTO et KOJIMA, 2005: 126 (type locality: Kōmoriyama, Hahajima I.); MORIMOTO, 2008: 8 (review of the Japanese brentid species); LIM, PARK, LEE & HONG, 2013: 102 (in key to the East Asian species of *bipunctatus*-group); SUDA & HINAKURA, 2014: 466 (red data book of Tokyo; categorized as data deficient).

Description of the male. Length: 3.4 mm. Differs from the female holotype in the following points: underside of head thinly clothed with yellowish grey short setae; prostrum twice as wide as long; antennae with proportions in length (width) from base 10 (8.5) : 7.5 (8.5) : 7.5 (8.5) : 7.0 (8.5) : 7.0 (8.5) : 7.0 (9.5) : 6.5 (10) : 12 (15) : 12 (16) : 23 (14); prothorax (L/W = 5/3); venter with 1st ventrite depressed in middle of basal 3/5 and with setiferous punctures, 5th depressed in middle.

Specimen examined. 1 male, Shin-yūhigaoka, Hahajima Is., Ogasawara Isls., Tokyo, 24. VII.2009, JWRC (chemical attractant trap, yellow in color).

Notes. The specimen was captured by a chemical attractant trap set 1 m above from the ground in July, as was the holotype.



Figs. 1–5. *Cyphagogus boninensis* MORIMOTO et KOJIMA, male. — 1, Dorsal habitus; 2, head and apical part of prothorax, dorsal; 3, ditto, lateral; 4, right antenna; 5, left fore leg, ventral. Scale: 0.5 mm.

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要 約

嶋本習介・小島弘昭・永野 裕：小笠原諸島固有のオガサワラホソミツギリゾウムシ（鞘翅目ミツギリゾウムシ科）の2例目の記録と雄の記載。——— オガサワラホソミツギリゾウムシは母島から1♀に基づき2005年に記載され、その後採集記録がなかった。著者らは化学誘引トラップで得られたサンプルの整理中、これまで未知であった本種雄成虫を発見したので2例目の記録として報告するとともに、その形態的特徴を記載した。

References

- LIM, J., S. PARK, B.-W. LEE & K.-J. HONG, 2013. A newly recorded genus, *Cyphagogus* PARRY (Coleoptera: Brentidae), from Korea based on *C. iwatensis* MORIMOTO, 1976. *Journal of Asia-Pacific Entomology*, **16**: 99–102.
- MORIMOTO, K., 2008. An introduction to the study of Brentidae (I) Japanese species. *Gekkan-Mushi, Tokyo*, (433): 4–16. (In Japanese.)
- MORIMOTO, K., & H. KOJIMA, 2005. Three additional species of Brentidae (Coleoptera, Curculionoidea) to the fauna of Japan. *Elytra, Tokyo*, **33**: 126–133.
- SUDA, S., & M. HINAKURA, 2014. *Cyphagogus boninensis*. p. 466. In Natural Environment Division, Bureau of Environment, Tokyo Metropolitan Government (ed.), *Red Data Book Tokyo 2014: Island version*. 634 pp. (In Japanese.)

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