

## A New Record of *Aulacophora bicolor* (WEBER, 1801) (Coleoptera, Chrysomelidae, Galerucinae) from Hateruma-jima of the Ryukyus, Japan

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*Aulacophora bicolor* (WEBER, 1801) (Coleoptera, Chrysomelidae, Galerucinae) is distributed in Amami-Ôshima, Okinoerabu-jima, Okinawa-jima, Tsuken-jima, Kouri-shima, Aguni-jima, Miyako-jima, Irabu-shima, Ishigaki-jima, Iriomote-jima and Yonaguni-jima of the Ryukyus of Japan, Taiwan, China and the Oriental Region (KIMOTO, 1984; SASAKI *et al.*, 2002; LEE & BEENEN, 2015). It was reported that the hosts of this species were *Trichosanthes cucumeroides* (SER.) MAXIM. ex FRANCH. & SAV., *Luffa cylindrica* (L.) ROEM. and *Diplocyclos palmatus* (L.) C. JEFFREY of Cucurbitaceae (KIMOTO, 1984; HORI, 1987; LEE & BEENEN, 2015). KOHAMA (2011) reported for the first time that this species fed on *Boehmeria nivea* (L.) GAUDICH. of Urticaceae as well in Tsuken-jima of the Okinawa Islands. We confirmed this species from Hateruma-jima of the Ryukyus for the first time.

One of the authors (Y. OSADA) confirmed this species from the plant community of *Boehmeria nivea* of Urticaceae in Hateruma-jima and took a photograph of this species on a leaf of *Boehmeria nivea* (Fig. 1). This species may be distributed in the broad area of the Ryukyus and feed on not only the Cucurbitaceae but also the Urticaceae in the Ryukyus.

1 ex., Hateruma, Taketomi-chô, Okinawa Pref., Hateruma Is., Japan, 27.II.2015, photo by Y. OSADA.



Fig. 1. *Aulacophora bicolor* (WEBER) on a leaf of *Boehmeria nivea* (L.) GAUDICH.

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### References

- HORI, S., 1987. *Aulacophora bicolor* (WEBER, 1801). In AZUMA, S. (ed.), *Field Guide-book to the Insect of Okinawa*, 2: 201. Okinawa-shuppan, Okinawa. (In Japanese.)
- KIMOTO, S., 1984. Chrysomelidae. In HAYASHI, M., K. MORIMOTO & S. KIMOTO (eds.), *The Coleoptera of Japan in Color*, 4: 147–224. Hoikusha, Osaka. (In Japanese.)
- KOHAMA, T., 2011. *Aulacophora bicolor* (WEBER, 1801) eating on *Boehmeria nivea* (L.) GAUDICH. *Pulex*, Fukuoka, (90): 573. (In Japanese.)
- LEE, C.-F., & R. BEENEN, 2015. Revision of the genus *Aulacophora* from Taiwan (Coleoptera: Chrysomelidae: Galerucinae). *Zootaxa*, 3949 (2): 151–190.
- SASAKI, T., M. KIMURA & F. KONO, 2002. 24. Coleoptera. In AZUMA, S. (ed.), *Check List of the Insects of the Ryukyu Islands*. Pp. 157–284. The Biological Society of Okinawa, Okinawa. (In Japanese.)

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