

A New Subspecies of *Macrodorcas okinawanus* (Coleoptera, Lucanidae) from the Ryukyu Islands

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Abstract A new subspecies of *Macrodorcas okinawanus* NOMURA is described and illustrated from the southern Ryukyu Islands, Southwest Japan.

Macrodorcas okinawanus NOMURA, 1964, was originally described from Okinawa-hontô as a subspecies of *M. rectus* (MOTSCHULSKY, 1857). Later, it was considered by KUROSAWA (1976) to be a full species, which was split up into two subspecies, *M. rectus okinawanus* and *M. r. amamianus* NOMURA, 1964. Since then, *M. o. kubotai* FUJITA et ICHIKAWA, 1985, has been described from Tokunoshima Is. It is therefore regarded as an endemic species to the Amami–Okinawa group of the central Ryukyus.

In the summer of 1982, the author found another form of *M. okinawanus* in the Yaeyama group of the southern Ryukyus. Despite intensive and repeated surveys, only a single individual has been known so far. It will be described in the following lines.

Before going further, the author wishes to express his sincere gratitude to Professor Seiji AZUMA of the University of the Ryukyus, Messrs. Kano SUGIMOTO, Koji AZUMA, Tokuzo OMOTO, Kazuo MINATO and Hiroki SATO for their kind aid in this study, and also to Mr. Fumiki BANDO for preparing the excellent drawing inserted in this paper.

Macrodorcas okinawanus yaeyamaensis subsp. nov.

(Fig. 1)

This new subspecies is different from the nominotypical one in the following points: 1) body above reddish brown (almost blackish in the nominotypical form); 2) coarse punctures on elytra less shiny; 3) body shorter and broader; 4) mandibles shorter and broader in male; 5) pronotum as wide as elytra (wider than elytra in the nominotypical form); 6) pronotal sides with lateral angulation rounded and situated at basal third.

Length. Male, 28.2 mm (incl. mandibles), 24.7 mm (excl. mandibles). Width. Male, 10.0 mm.

Locality. Japan (Iriomote-jima Is.).

Type specimen. Holotype ♂, Urauchi River, Iriomote-jima Is., Okinawa Pref., 16–VII–1982, S. HORI leg. The holotype is deposited in the University of the Ryukyus

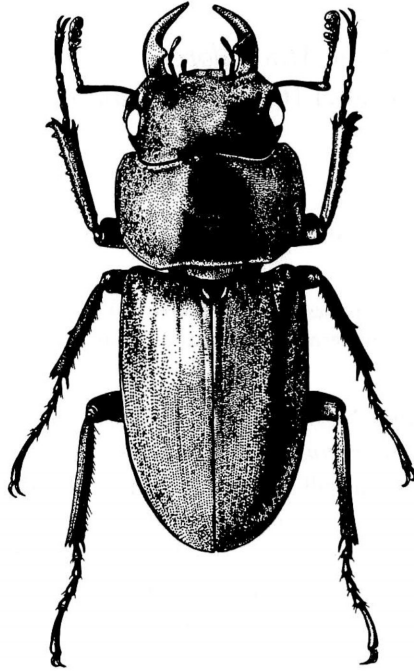


Fig. 1. *Macrodorcas okinawanus yaeyamaensis* HORI, subsp. nov.; ♂, from Iriomote-jima of the Yaeyama Islands in Okinawa Prefecture.

Museum.

Until now only one individual has been caught at the upstream of the River Urauchi at the western side of Iriomote-jima Island. It was accidentally found flying at night.

要 約

堀 繁久：沖縄県八重山諸島産リュウキュウコクワガタの1新亜種。——沖縄県の八重山諸島にある西表島で得られたリュウキュウコクワガタ *Macrodorcas okinawanus* NOMURA を調べた結果、いままでも知られていない形質をもっていることが判明したので、これを新亜種 *yaeyamaensis* subsp. nov. として記載した。この亜種は、奄美群島および沖縄群島に分布する *M. okinawanus* subsp. に似ているが、体色や点刻、大顎や前胸背板の形態などの差異によって区別できる。

References

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