

## Records of Some Malachiine Species of the Genus *Attalus* (Coleoptera, Melyridae) from the Nansei Islands, Southwestern Japan

Makoto ASANO<sup>1)</sup> and Hiroaki KOJIMA<sup>2)</sup>

<sup>1)</sup>Teiso Kasei Co. Ltd., 164–1 Nishijima, Suruga-ku, Shizuoka, 422–8045 Japan

<sup>2)</sup>Laboratory of Entomology, Tokyo University of Agriculture,  
1737 Funako, Atsugi, Kanagawa, 243–0034 Japan

**Abstract** New distribution areas of four *Attalus* species are recorded from the Nansei Islands, southwestern Japan: *A. (A.) chujoanus* WITTMER from Tokuno-shima Is., *A. (A.) kaimon* NAKANE and *A. (A.) niponensis* PIC from Kuro-shima Is. of the Kamimishima Islands, *A. (A.) okinawanus* WITTMER from Iheya-jima, Noho-jima, and Izena-jima Is. The distribution of the *Attalus* species in southwestern Japan is revised with additional records and commented.

### Introduction

The melyrid genus *Attalus* ERICHSON, 1840 is represented by 12 species including subspecies from Japan, and most of them are distributed in the range from Kyushu to the Nansei Islands, southwestern Japan (YOSHITOMI & HAYASHI, 2011).

Recently, a number of specimens of the genus *Attalus* were collected from the Nansei Islands by the second author. We closely examined those specimens together with a small collection of the first author, and revealed new distribution areas of four species: *Attalus (Attalus) chujoanus* WITTMER, 1982, *A. (A.) kaimon* NAKANE, 1987, *A. (A.) okinawanus* WITTMER, 1960 and *A. (A.) niponensis* PIC, 1907. The distribution of the *Attalus* species in southwestern Japan is revised with additional records.

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### New Distribution Records

#### *Attalus (Attalus) chujoanus* WITTMER, 1982

*Specimen examined.* 1 ♂, Hagedake-rindô, Tokunoshima-chô, Tokuno-shima Is., Kagoshima Pref., Japan, 30.III.2011, H. KOJIMA leg.

*Distribution.* Amami-Ôshima and Tokuno-shima Isls. (the Amami Islands), Takara-jima Is. (the Tokara Islands). New to Tokuno-shima Is.

#### *Attalus (Attalus) kaimon* NAKANE, 1987

*Specimens examined.* 30 exs., Ôsato, Kuro-shima Is., Mishima-mura, Kagoshima Pref., Japan, 7.V.2017, H. KOJIMA leg.

*Distribution.* Kyushu, Gotô Islands, Tanega-shima Is. (the Ôsumi Islands) and Kuro-shima Is. (the Kamimishima Islands). New to Kuro-shima Is.

Table 1. The distribution of the *Attalus* species in southwestern Japan (filled circle indicates the new record, and open one indicates the known record). — am, *Attalus (Attalus) amami* M. SATÔ, 1986; ch, *A. (A.) chujoanus* WITTMER, 1982; el, *A. (A.) elongatulus* LEWIS, 1895; ka, *A. (A.) kaimon* NAKANE, 1987; ke, *A. (A.) kurosawai ejimai* NAKANE, 1989; kk, *A. (A.) kurosawai kurosawai* M. SATÔ, 1986; ni, *A. (A.) niponensis* PIC, 1907; ok, *A. (A.) okinawanus* WITTMER, 1960; pa, *A. (A.) papilioformis* WITTMER, 1997; tr, *A. (A.) trochantinus* WITTMER, 1982; wa, *A. (A.) walteri* M. SATÔ, 1986; yo, *A. (A.) yonaguni* M. SATÔ, 1986.

Locality	am	ch	el	ka	ke	kk	ni	ok	pa	tr	wa	yo
Honshu			○									
Shikoku			○									
Kyushu			○	○			○					
Tsushima Is.			○									
Iki Isls.			○									
Gotô Isls.				○								
Danjo Isls.					○							
Kamimishima Isls.												
Kuro-shima Is.				●			●					
Ôsumi Isls.												
Tanega-shima Is.				○			○					
Yaku-shima Is.			○				○					
Tokara Isls.												
Kuchino-shima Is.						○	○					
Nakano-shima Is.							○					
Takara-jima Is.		○									○	
Kodakara-jima Is.											○	
Amami Isls.												
Amami-Ôshima Is.	○	○									○	
Tokuno-shima Is.	○	●									○	
Okinoerabu-jima Is.								○				○
Yoron-tô Is.												○
Okinawa Isls.												
Iheya-jima Is.								●				
Noho-jima Is.								●				
Izena-jima Is.								●				
Okinawa-jima Is.								○				
Sakishima Isls.												
Miyako-jima Is.								○				
Ishigaki-jima Is.									○			
Yonaguni-jima Is.												○

*Attalus (Attalus) okinawanus* WITTMER, 1960

*Specimens examined.* 8 exs., Jûma Beach, Iheya-son, Noho-jima Is., Okinawa Pref., Japan, 30.IV.2012, M. ASANO leg.; 21 exs., Mt. Chijin-yama, Izena-son, Izena-jima Is., Okinawa Pref., Japan, 10.III.2017, H. KOJIMA leg.; 10 exs., Mt. Koshi-dake, Iheya-son, Iheya-jima Is., Okinawa Pref., Japan, 15.III.2017, H. KOJIMA leg.

*Distribution.* Okinoerabu-jima Is. (the Amami Islands), Okinawa-jima, Iheya-jima, Noho-jima and Izena-jima Isls. (the Okinawa Islands). New to Iheya-jima, Noho-jima, and Izena-jima Isls.

*Attalus (Attalus) niponensis* PIC, 1907

*Specimens examined.* 69 exs., Ôsato, Kuro-shima Is., Mishima-mura, Kagoshima Pref., Japan, 7.V.2014, H. KOJIMA leg.

*Distribution.* Kyushu, Yaku-shima and Tanega-shima Isls. (the Ôsumi Islands), Kuchino-shima and Nakano-shima Isls. (the Tokara Islands), Kuro-shima Is. (the Kamimishima Islands). New to Kuro-shima Is.

**Distribution of the *Attalus* Species in Southwestern Japan**

Table 1 shows revised distribution areas of the *Attalus* species after SATÔ (1986) and YOSHITOMI & HAYASHI (2011). Among Japanese species, only two species are distributed in relatively wide-range: *A. (A.) elongatulus* LEWIS, 1895 is found from Honshu to northern Kyushu; *A. (A.) okinawanus* is from Okinoerabu-jima Is. (the Amami Islands) to Miyako-jima Is. (the Sakishima Islands). However, the distribution areas of other species are narrow in range or endemic to the islands.

This genus is also considerably diversified in the area from the Tokara to the Amami Islands. Seven species, *A. (A.) amami* M. SATÔ, 1986, *A. (A.) chujoanus*, *A. (A.) kurosawai kurosawai* M. SATÔ, 1986, *A. (A.) niponensis*, *A. (A.) okinawanus*, *A. (A.) trochantinus* WITTMER, 1982 and *A. (A.) walteri* M. SATÔ, 1986 are found in this area. We consider that the speciation may have occurred remarkably from the Tokara to the Amami Islands.

**要 約**

浅野 真・小島弘昭：*Attalus*属（鞘翅目ジョウカイモドキ科）の南西諸島における分布記録。——  
*Attalus*属4種の南西諸島における分布を追加記録し、西南日本における本属の分布を見直した。本属の種はトカラ列島から奄美諸島において著しく種分化している。

**References**

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