

Notes on a Credible Record of the Flower Chafer *Anthracophora (Poecilophilides) rusticola* Burmeister, 1842 (Coleoptera: Scarabaeidae: Cetoniinae) in Taiwan

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Abstract: The previous record of *Anthracophora (Poecilophilides) rusticola* Burmeister, 1842 from Taiwan was based on a doubt record. In this study, we confirm the species distributed in Taiwan based on specimen examination. Simultaneously, the biological information of *A. (P.) rusticola* also briefly discussed.

Key words: Fauna, Oriental region, Palearctic region, Flower chafer, Taiwan

Anthracophora (Poecilophilides) rusticola Burmeister, 1842 is widely distributed in the East Palearctic region, e.g. China, Korean Peninsula, Eastern Russia, Japan and Oriental region: Northern Vietnam and Taiwan (Sakai & Fujioka, 2007; Sakai, 2012). Sakai (2012) reported the species from Taiwan for the first time, but did not examine specimens. In this paper, we examined newly collected specimens of *A. (P.) rusticola* from Taiwan, which confirms the distributional status of the species.

The examined specimens are deposited in the institutions as follows: BHHc-Bin-Hong Ho private collection, Taipei, Taiwan; YCCc-Yi-Chia Chiu private collection, Chiayi, Taiwan; CHLc-Ching-Hsun Lin private collection, Nantou, Taiwan. The supplementary information of labels data was used in square brackets ([]).

***Anthracophora (Poecilophilides) rusticola* Burmeister, 1842** 紅斑花金龜、褐銹花金龜

(Fig. 1)

Diplognatha rama Bainbridge, 1842: 217.

Porphyronota sinensis Saunders, 1852: 32.

Materials examined. TAIWAN: Taoyuan City: 1♀, 1.V.2016, 復興 [Fusing], 上巴陵 [Shangbalin], by hand, 林敬勳 [C.H. Lin leg.] (CHLc). **Yilan County:** 1♀, Sanxing, Popuwoo (破布烏), 20.VIII.2019, Yu-Hsiang Liu leg., ex. *Koelreuteria elegans* (BHHc). **Chiayi County:** 1♀, 17.VIII.2022, Meishan, Longyan, by bait trap, Y.C. Chiu leg. (YCCc). 1♀, 20.VIII.2022, same data as above (YCCc).

Remarks. *Anthracophora (Poecilophilides) rusticola* has a unique biology: the larvae are known from several carnivorous, piscivorous, or omnivorous bird nests, e.g. *Pernis apivorus* (Linnaeus), *Ciconia boyciana* Swinhoe, *Phalacrocorax carbo* (Linnaeus) from Japan and *Accipiter soloensis* (Horsfield) from Japan and South Korea (Choi et al., 2008; Koshiyama et al., 2012; Sakai, 2012), moreover, Choi et al. (2017) also reported the life cycle of *A. (P.) rusticola* in a Korean population. The biological information of *A. (P.) rusticola* of the Taiwanese population is still unknown. Based on examination of specimens it is known that adults can be collected by baiting traps with rotten fruit. They also feed on the tree sap of *Koelreuteria elegans*.

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Figure 1. Female habitus of *Anthracophora (Poecilophilides) rusticola* Burmeister, 1842 from Taiwan.

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臺灣產紅斑花金龜的可靠紀錄（鞘翅目：金龜子科：花金龜亞科）

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摘要：紅斑花金龜 (*Anthracophora (Poecilophilides) rusticola* Burmeister, 1842) 原先在臺灣的分布存疑，本文首次提供了臺灣產紅斑花金龜的可信標本紀錄，確認此種分布於臺灣並簡短討論紅斑花金龜的生物學資訊。

關鍵詞：動物相、東方區、古北區、花金龜、臺灣