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New country records for *Macroscython granulatus* Otto, 2016
(Coleoptera: Eucnemidae: Dromaeolinae: Dromaeolini),
with redescription of the female

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New country records for *Macroscython granulosis* Otto, 2016 (Coleoptera: Eucnemidae: Dromaeolinae: Dromaeolini), with redescription of the female

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Abstract. New country records for *Macroscython granulosis* Otto, 2016 (Coleoptera: Eucnemidae: Dromaeolinae: Dromaeolini), a eucnemid known only from Laos and Thailand, are reported from China and Nepal. A redescription and images of the female are provided.

Key words. Fauna, China, Nepal, southeastern Asia.

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Introduction

While identifying Eucnemidae from southeastern Asia on loan from the Naturkundemuseum Erfurt, a single male of *Macroscython granulosis* Otto was confirmed from Yunnan Province, China. Additionally, a female was confirmed from Nepal, collected by the second author. Females of this species are rarely collected so this specimen allows for a more complete description. The two specimens represent new records for China and Nepal for this species which was originally described from Laos and Thailand (Otto 2016).

Materials and Methods

Specimen images were made using a digital camera Olympus DP 72 on a stereo binocular microscope Olympus SZX 16. Photo stacked images were edited to create figures using Adobe Photoshop 7.0 software. All images were captured as TIFF files during the imaging process. Each image was modified through a paint program and Photoshop® Elements 10® software on a Toshiba Satellite® C55 series laptop computer and both were collated to form the final plate. The size of the plate was modified to 300 dpi. Label data are presented verbatim. Line breaks on labels are denoted by a single slash (/); breaks between two different labels are denoted by double slash (//); metadata and notes (not written on the labels, themselves) are presented in squared brackets ([]).

Specimens are deposited in the following collections:

JHAC Jiří Háva Private Entomological Laboratory & Collection, Prague, Czech Republic

NKME Naturkundemuseum, Erfurt, Germany

Systematics

Subfamily Dromaeolinae Beaulieu, 1920

Tribe Dromaeolini Beaulieu, 1920

Genus *Macroscython* Fleutiaux, 1901

=*Galbocerus* Lea, 1916

=*Galbicerus* [sic]; Fleutiaux, 1921

Type species. *Scython gabonensis* Fleutiaux, 1896.

Diagnosis. Apical margin of frontoclypeal region feebly trilobed and less than twice as wide as the distance between antennal sockets; prothoracic hypomera with posteriorly open, medially undefined lateral antennal grooves either deep or shallow in depth; male prothoracic tarsomere I simple, with sex combs; metathoracic coxal plates medially 3.0–6.0 times wider than laterally; last abdominal ventrite strongly produced; pretarsal claws toothed basally; lateral surfaces of mesothoracic and metathoracic tibiae either with setae and transverse rows of spine combs or with setae and irregularly placed spines (Otto 2016).

Diversity. This is a small group consisting of 13 species. Six described species are present from Gabon east to Somalia, south to South Africa and Madagascar, and two species are represented in continental southern Asia: *Macroscython coomani* Fleutiaux and *M. granulosis*. Specimens of an additional five undescribed species are known from in the broader Indo-Australian region.

Macroscython granulosis Otto, 2016

Figures 1–2

Macroscython granulosis Otto 2016: 305–306, fig. 125.

Differential diagnosis. The darker coloration of the integument along with granulate pronotal surfaces will readily separate *M. granulosis* from *M. coomani*.

Specimens examined. Two specimens were studied: **China: Yunnan Province:** CHINA: S-Yunnan / (Xishuangbanna) / 20 km NW Jinghong / Man Dian (NNNR-office) // 22°07.80N, 100°40.05E / 740m, 26.V.2008 / leg. A. Weigel, by light // collection / NATURKUNDE- / MUSEUM ERFURT [yellow printed label] // *Macroscython granulosis* / Otto / Det R.L. Otto / 2022 (1 ♂, NKME); **Nepal: Gandaki Province:** Nepal, Gandaki prov. / Besishahar town 1.6.2023 / lgt. M. Janata & R. Sehnal (1 ♀, JHAC).

Redescription. Female. Length, 11.0 mm. Width, 3.5 mm. Body subcylindrical, elongate; uniformly dark reddish brown to dark brown; antennae and legs dark reddish brown; head, pronotum and elytra clothed with short, yellowish recumbent setae. **Head.** Subspherical; frons convex; apical margin of frontoclypeal region evenly rounded, less than 2.0 times wider than base; surfaces dull, granulate; mandibles stout, bidentate, densely punctate and rugose. **Antennae.** Strongly serrate, extending nearly as long as ½ the length of body; flagellomere I longer than wide, slightly longer than II; flagellomere II longer than wide, slightly longer than III; flagellomeres III–VIII each longer than wide, subequal. **Pronotum.** Basal ¾ parallel-sided, apical ¼ arcuate; wider than long, with moderate, sharp hind angles; disc convex; surfaces dull, granulate; base sinuous. **Scutellar shield.** Somewhat shiny, closely punctate, oblong, subtriangular and distally rounded. **Elytra.** Strongly striate; interstices elevated with close, dense punctations. **Legs.** First tarsomere shorter than the combined lengths of the remaining four on mesothoracic and metathoracic tarsi; tibiae rounded in cross section; metathoracic tarsomeres I–III simple; metathoracic tarsomere IV excavate-emarginate; metathoracic tarsomere V elongate; pretarsi with basally toothed claws. **Venter.** Sparsely punctate, with very short, yellowish recumbent setae; prothoracic hypomera with shallow, medially vaguely defined, posteriorly open lateral antennal grooves; metathoracic episterna parallel-sided; metathoracic coxal plates medially 3.0–6.0 times wider than laterally.

Distribution. This rarely encountered eucnemid species has been previously taken in and reported only from Laos and Thailand. **New records** are here confirmed for China and Nepal.



Figures 1–2. *Macroscython granulatus* Otto, female. 1) Dorsal habitus. 2) Antenna (body length 11.0 mm).

Biology. Developmental stages remain unknown for this species. Adults from Laos were taken from a northern annamites rainforest, northern Indochina subtropical forests and southern annamites montane rainforests (Dinerstein et al. 2017). One specimen was taken at light in China.

Note. An interactive map (ecoregions2017.appspot.com) was embedded within the article written by Dinerstein et al. (2017), which allowed for identification of the general ecoregion from which the eucnemid species was taken in Laos.

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