

New species of the genus *Drilonius* (Coleoptera: Omethidae)

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Two new species of the omethid genus *Drilonius* Kiesenwetter, 1874, *D. puetzi* sp. nov. and *D. melas* sp. nov., are described from Thailand and Indonesia, respectively. A check-list of the species and subspecies of *Drilonius* is provided.

Key words: South-East Asia, Coleoptera, Omethidae, *Drilonius*, new species

INTRODUCTION

The genus *Drilonius* Kiesenwetter, 1874 is a member of the recently erected family Omethidae LeConte, 1861 (Crowson, 1972), which currently includes genera formerly placed in Drilidae, Lampyridae and Cantharidae by Lawrence & Newton (1995). *Drilonius* is one of the two omethid genera registered in the Palaearctic Region. Similarly to all higher-level taxa of the Omethidae, *Drilonius* evidently requires morphological, alpha-taxonomic and phylogenetic study. Unfortunately, the recently published list of Palaearctic Omethidae by Bocák (2007) lacks one-fifth of *Drilonius* species described from the region prior to 2005, e.g., *D. lineaticeps* Pic, 1943 from China is missing from the catalogue along with the other four Palaearctic congeners.

Drilonius comprises over twenty species and subspecies and its distribution area extends in the eastern Palaearctic Region from the Indo-Malayan to Japan and China (Wittmer, 1944, 1948, 1995; Bocák, 2007). In the present paper two new species discovered in the recently collected material from Thailand and Indonesia, are described. One acronym is used in this paper: ICM, Insect Center, Moscow.

TAXONOMIC PART

Drilonius puetzi sp. nov. (Figs 1–3)

Holotype. Male; Southern Thailand, Phuket I., Kata Tani, 7°47'N 98°17'E; 3–12 Apr. 2006; A. Pütz leg. (A. Pütz's collection).

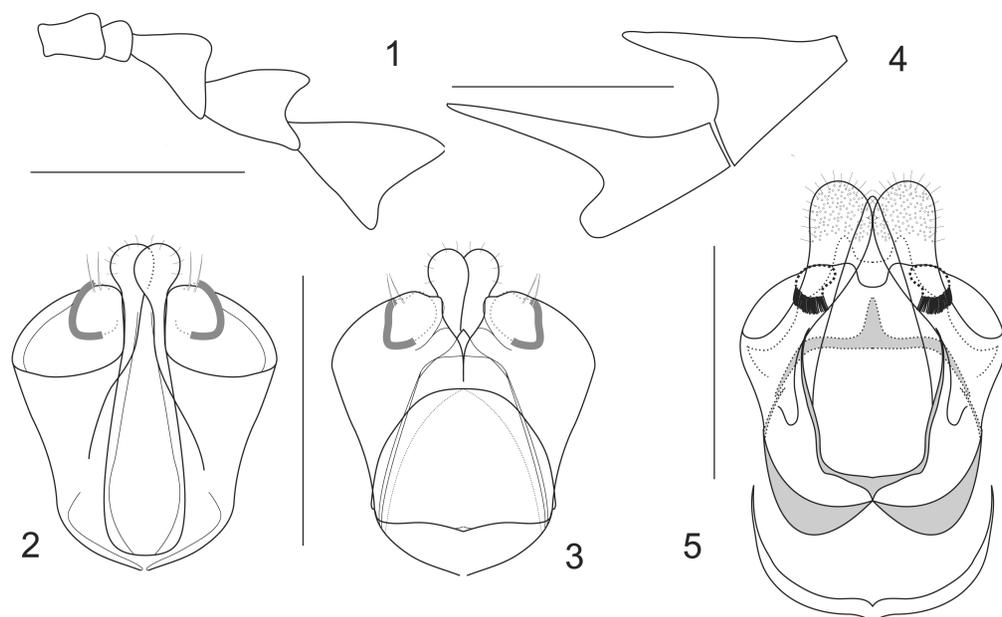
Paratype. Male; same data as holotype but deposited in ICM.

Description. *Male.* Black; proximal one-sixth of elytra testaceous. Eyes small, interocular distance exceeding eye radius by a factor of about 3.1. Antenna strongly serrated, attaining to elytral two-thirds, with antennomere 3 three times as long as antennomere 2 and 0.9 times as long as antennomere 4 (Fig. 1). Pronotum transverse, about 1.6 times as wide as long, triangularly produced posteriorly, widely rounded anteriorly, with almost parallel short sides. Scutellum elongated, parallel-sided, slightly emarginate at apex. Elytra long, about 2.9 times as long as wide at humeri, conspicuously concave at sides; all four longitudinal costae reaching elytral apices; interstices with regular rows of transverse rectangular cells; pubescence scarce and short. Aedeagus with distally widened and rounded parameres; dorsal blade with pair of brush-bearing inner projections, brush occupying their lateral and proximal margins (Fig. 1).

Length 4.4–4.7 mm, width at humeri 1.35–1.45 mm.

Female. Unknown.

Comparison. *Drilonius puetzi* sp. nov. differs from the somewhat similarly coloured *D. raffrayi* Pic, 1943 from Singapore by having the proximal antennomeres and tarsi black, and from *D. rouyeri* Pic, 1911 from Sumatra in the pronotum (Fig. 1) uniformly black and the male antennae strongly serrated (vs. sub-flabellate). The new species can be distinguished from all congeners by the details of the aedeagus structure (Figs 2–3).



Figs 1–5. *Drilonius puetzi* sp. nov., holotype (1–3): antennomeres 1–5 (1), aedeagus ventrally (2), aedeagus dorsally (3); *D. melas* sp. nov., holotype (4–5): antennomeres 4–5 (4), aedeagus ventrally (5). Scale bars: 0.5 mm.

Etymology. The species is named after my colleague Andreas Pütz (Eisenhüttenstadt, Germany) who collected the holotype and paratype.

***Drilonius melas* sp. nov.**
(Figs 4–5)

Holotype. Male; Eastern Sumatra, Riau Prov., Bukit Tigapuluh N.P., 0°50'S 102°26'E; 18–25 Jan. 2000; D. Hauck leg. (ICM).

Paratype. Male; same data as holotype (ICM).

Description. Male. Black; underside head structures and metatrochanters testaceous; pronotum and elytra at base with reddish pubescence. Eyes small, exceeding eye radius by a factor of about 5. Antennae from antennomere 5 flabellate, attaining to elytral two-thirds, with antennomere 3 3.3 times as long as antennomere 2 and about equal in length to antennomere 4 (Fig. 4). Pronotum transverse, about 1.6 times as wide as long, widely rounded at anterior and posterior margins. Scutellum elongate,

parallel-sided, slightly emarginate at apex. Elytra long, about 2.8 times as long as wide at humeri, slightly concave at sides; all four longitudinal costae reaching elytral apices; interstices with regular rows of transverse rectangular cells; pubescence scarce and short. Aedeagus with moderately widened distally parameres; dorsal blade with brush-bearing inner projections, brush occupying proximal margin thereof (Fig. 5).

Length 4.4–5.0 mm, width at humeri 1.3–1.5 mm.

Female. Unknown.

Comparison. *Drilonius melas* sp. nov. differs from all other *Drilonius* species from Sumatra in having the upper side uniformly black and some details of the antennal structure (Fig. 4), as well as of the aedeagus structure (Fig. 5).

Etymology. The name of the new species is derived from the Ancient Greek for “black”, alluding to the colouration of its upper side.

The genus *Drilonius* currently includes 24 species-group taxa listed below.

Drilonius Kiesenwetter, 1874

Drilonius Kiesenwetter, 1874: 282 (as subgenus).
Type species *Drilonius striatulus* Kiesenwetter, 1874.

Synonym: *Curtodrilus* Pic, 1921: 13, type species
Curtodrilus costatus Pic, 1921

Subgenus Drilonius Kiesenwetter, 1874

Drilonius Kiesenwetter, 1874: 282 (as subgenus),
type species: *Drilonius striatulus* Kiesenwetter, 1874.

basalis Pic, 1943: 12. Kalimantan.

bicolor Pic, 1925: 12 (originally in *Curtodrilus*).
Philippines: Palawan.

burmensis Wittmer, 1995: 116. Myanmar.

ceylanicus Wittmer, 1957: 567 (originally in
Dreylonius). Sri Lanka.

chinensis Wittmer, 1995: 116. China: Yunnan.

corporaali Pic, 1942: 16 (originally in *Curtodrilus*).
Sumatra.

costatus Pic, 1921: 13 (originally in *Curtodrilus*).
Sumatra.

elongatus Pic, 1929: 69 (originally in *Curtodrilus*).
Vietnam: Lao Kay.

melas sp. nov. Sumatra.

keiseri Wittmer, 1956: 50. Sri Lanka.

lineaticeps Pic, 1943: 12. China.

longior Pic, 1925: 12 (originally in *Curtodrilus*).
Java.

longipennis Pic, 1942: 16 (originally in *Curtodrilus*).
Java.

niger Pic, 1927: 4 (originally in *Curtodrilus*).
Vietnam: Chapa.

osawai Nakane, 1950: 30. Japan: Honshu, Shikoku.

pallidulus Wittmer, 1957: 567. Myanmar.

puetzi sp. nov. South Thailand: Phuket I.

raffrayi Pic, 1943: 12. Singapore.

rouyeri Pic, 1911: 150. Sumatra.

rufithorax Wittmer, 1995: 115. China: Sichuan.

striatulus Kiesenwetter, 1874: 282. Japan: Honshu, Shikoku, Kyushu.

testaceicollis Wittmer, 1956: 50. Sri Lanka.

Subgenus Palpodrilonius Wittmer, 1941

Palpodrilonius Wittmer, 1941: 198 (as subgenus).
Type species *Drilonius (Palpodrilonius) insularis* Wittmer, 1941.

insularis insularis Wittmer, 1941: 198. Philippines: Luzon.

insularis basitincta Wittmer, 1941: 199. Philippines: Mindanao.

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