

Second contribution to the knowledge of Dermestidae (Coleoptera: Bostrichiformia) from the Philippines

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Abstract. A new species, *Orphinus* (*Orphinus*) *wao* sp. nov. from the Philippines is described, illustrated and compared with similar species. *Trogoderma glabrum* (Herbst, 1783) and *Orphinus* (*Orphinus*) *fulvipes* (Guérin-Méneville, 1838) are newly recorded from the Philippines. An updated list of all species recorded from the Philippines is proposed.

INTRODUCTION

The family Dermestidae currently consists of 62 genera, containing ca. 1600 species worldwide (Háva 2015); 29 species are known from the Philippines (Caliboso et al. 1986, Háva 2005, 2012, 2015a,b, 2016a,b, Háva et al. 2016).

In the present article, results of studying material recently collected on the Philippines, isles Mindanao and Luzon, are presented. A new species is described.

MATERIAL AND METHODS

The size of the beetles or of their body parts can be useful in species recognition and thus, the following measurements were made:

total length (TL) - linear distance from anterior margin of pronotum to apex of elytra;
elytral width (EW) - maximum linear transverse distance.

Deposition of type material: JHAC - Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-West, Czech Republic.

The nomenclature and zoogeography follow Háva (2015a).

All the colour photographs were taken by the Nikon Coolpix 990 digital camera through the MBS-10 binocular stereo microscope.

RESULTS

Subfamily Megatominae Tribe Megatomini

Orphinus (*Orphinus*) *wao* sp. nov. (Figs. 1-4)

Type material. Holotype (♂): Philippines, Mindanao, Wao, Lanao del Sur, August 2016, local collector, (JHAC).

Description. Male. Body oval, TL 3.1 mm, EW 1.9 mm. Head, pronotum, scutellum and elytra black, shiny, elytra without fasciae or spots (Fig. 1), black on venter. Head coarsely punctate with

long, recumbent, black setation. Palpi dark brown; setation on mentum denser. Eyes large, with black microsetae. Ocellus on front present. Antennae dark brown with black setae, with 11 antennomeres, antennal club with 2 antennomeres, terminal antennal segment circular (Fig. 2). Pronotum black, disc coarsely punctate, densely foveolate posteriorly, with long, recumbent, black setae. Scutellum black, triangular, without setation. Elytra coarsely punctate; humerus with a small bump; elytral surface with long, recumbent black setation. Epipleuron black, anteriorly broad, coarsely punctate, with short, black setation. Legs black with black setation. Mesosternum coarsely punctate laterally, otherwise finely punctate, covered by long, recumbent, black setation. Pygidium black, with black setation. Abdominal visible ventrites black, with long, recumbent, black setation. 9th ventrite as in Fig. 4. Male genitalia as in Fig. 3.

Female. Unknown.

Differential diagnosis. The new species is similar to *Orphinus* (*O.*) *abrae* Háva, 2015, but differs by the following characters: elytra covered by uniformly black setae; antennal club dark brown; parameres narrow (*abrae* - elytra covered with black setae and yellow setae forming transverse fascia, antennal club brown; parameres broad).

Etymology. Toponymic, named after the type locality - Wao.



Figs. 1-4. *Orphinus* (*Orphinus*) *wao* sp. nov.: 1- habitus, dorsal aspect; 2- antennae of male; 3- male genitalia; 4- 9th ventrite.

***Orphinus (Orphinus) fulvipes* (Guérin-Ménéville, 1838)**

Material examined: Philippines, Panay Isl., Kalibo, 21.1.1994, Seyfers leg., 1 ♀, J. Háva det., (JHAC).

Distribution. Cosmopolitan species, new to the Philippines: Panay Isl.

***Trogoderma glabrum* (Herbst, 1783)**

Material examined: Philippines, Mindanao, Bukidnon, Intavas, 9/2014, local collector, 1 ♀, J. Háva det., (JHAC).

Distribution. Cosmopolitan species, new to the Philippines (introduced).

SPECIES RECORDED FROM THE PHILIPPINES

ⁱ = introduced species.

^s = synanthropic species.

Subfamily Dermestinae**Tribe Dermestini**

ⁱ*Dermestes (Dermestes) ater* DeGeer, 1774

(= *Dermestes cadaverinus* Fabricius, 1775)

(= *Dermestes domesticus* Germar, 1824)

ⁱ*Dermestes (Dermestinus) maculatus* DeGeer, 1774

(= *Dermestes vulpinus* Fabricius, 1781)

Subfamily Trinodinae**Tribe Trinodini**

Evoinea iota (Arrow, 1915)

Evoinea luzonica Háva, 2016

Trinodes rufithorax Pic, 1926

Subfamily Attageninae**Tribe Attagenini**

Attagenus (Aethriostoma) philippinensis Háva, 2016

Attagenus (Aethriostoma) undulatus (Motschulsky, 1858)

^{is}*Attagenus (Attagenus) fasciatus* (Thunberg, 1795)

Subfamily Megatominae**Tribe Anthrenini**

^{is}*Anthrenus (Anthrenus) flavipes flavipes* LeConte, 1854

(= *Anthrenus vorax* Waterhouse, 1883)

Anthrenus (Nathrenus) hrdlickai Háva, 2016

Anthrenus (Nathrenus) mindanaoensis Háva, 2004

Tribe Megatomini**Subtribe Adelaidiina**

Adelaidia unicolor Mroczkowski, 1966

Subtribe Cryptorhopalina

- Orphinus* (*Orphinus*) *abrae* Háva, 2015
Orphinus (*Orphinus*) *apicalis* Pic, 1918
Orphinus (*Orphinus*) *dembickyi* Háva, 2015
Orphinus (*Orphinus*) *fasciatus* (Matsumura & Yokoyama, 1928)
Orphinus (*Orphinus*) *fulvipes* (Guérin-Méneville, 1838)
Orphinus (*Orphinus*) *infasciatus* Pic, 1926
Orphinus (*Orphinus*) *lubosi* Háva, 2015
Orphinus (*Orphinus*) *luzonicus* Háva, 2012
Orphinus (*Orphinus*) *parainfasciatus* Háva, 2015
Orphinus (*Orphinus*) *subfasciatus* Pic, 1927
Orphinus (*Orphinus*) *terminalis* (Sharp in Blackburn & Sharp, 1885)
Orphinus (*Orphinus*) *wao* **sp. nov.**
Thaumaglossa dembickyi Háva, 2002
(= *Thaumaglossa bellissima* Háva, 2005)
Thaumaglossa hilleri Reitter, 1881
Thaumaglossa laeta Arrow, 1915
Thaumaglossa peacockae Háva, 2005
Thaumaglossa rufocapillata Redtenbacher, 1867
Thaumaglossa rufula Pic, 1931

Subtribe Trogodermina

- ¹⁵*Trogoderma glabrum* (Herbst, 1783)
¹⁵*Trogoderma granarium* Everts, 1898
¹⁵*Trogoderma serraticorne* (Fabricius, 1792)
(= *Trogoderma anthrenoides* (Sharp, 1902))

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