

***Orphinus (Orphinus) luzonicus* sp. nov., a new species from the Philippines
(Coleoptera: Dermestidae: Megatomini)**

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Abstract. *Orphinus (Orphinus) luzonicus* sp. nov. is described, illustrated and compared with two similar species *O. (F.) ovalis* Arrow, 1915 and *O. (F.) pseudoovalis* Háva, 2004. The new species differs by its structure of the antennal club, male genitalia and elytral colour.

INTRODUCTION

The family Dermestidae is one of the commonly known beetle families and it currently contains 58 genera and about 1420 species or subspecies worldwide (Mroczkowski 1968, Háva 2003, 2007, 2012). In recently collected material from the Oriental Region I found a new, still unknown species belonging to the genus *Orphinus* Motschulsky, 1858 from the Philippines. A description of the new species is presented below.

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.

pronotal length (PL) - maximum length measured from anterior margin to posterior margin.

pronotal width (PW) - maximum linear transverse distance.

elytral length (EL) - linear distance from shoulder to apex of elytron.

elytral width (EW) - maximum linear transverse distance.

Abbreviation: JHAC - Private Entomological Laboratory and Collection, Jiří Háva, Prague-west, Czech Republic.

DESCRIPTION

Orphinus (Orphinus) luzonicus sp. nov.

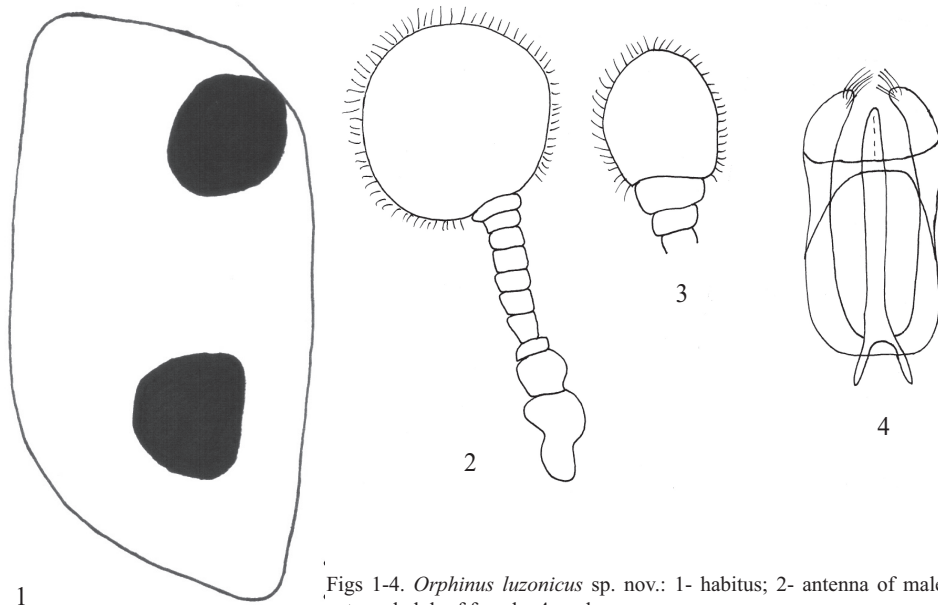
(Figs 1-4)

Type locality. The Philippines, Luzon Is., Ilocos, Norte prov., Lake Paoay National Park.

Type material. Holotype (♂): „Philippines, Luzon, Ilocos, Norte prov., Lake Paoay N.P., 26.ii.2000, O. Šafránek lgt.“, (JHAC). Paratypes (7 ♂♂, 6 ♀♀): the same data as with holotype (JHAC). Type specimens were labelled with red, printed labels bearing the text as follows: “HOLOTYPE [or PARATYPE, respectively] *Orphinus (O.) luzonicus* sp. nov. J. Háva det. 2012“.

Description. Male. Body dark brown on dorsal and ventral surfaces; generally small and oval. Body length 1.70-2.25 mm, body width 1.10-1.20 mm. Head finely punctate, with long, white pubescence. Palpi brown; pubescence on mentum denser. Eyes very large with brown setae. Ocellus on front present. Antennae brown with white setae, 11- segmented, antennal club 2- segmented, terminal antennal segment large, circular (Fig. 2). Pronotum on the disc punctate like head, densely foveolate posteriorly, with long white, recumbent pubescence. Scutellum triangular with short, light, white pubescence. Elytra finely punctate, with long, white, recumbent pubescence; cuticle dark brown; each elytron with two isolated brown or black spots (Fig. 1). Legs brown, with white pubescence. Mesosternum coarsely punctate laterally, otherwise finely punctate, covered by white, short, recumbent pubescence. Abdominal sternites with short, recumbent, white pubescence. Male genitalia in (Fig. 4).

Female, externally similar to male, but differing by the structure of antennal club (Fig. 3). Body length 1.80-2.37 mm, body width 1.12-1.55 mm.



Figs 1-4. *Orphinus luzonicus* sp. nov.: 1- habitus; 2- antenna of male; 3- antennal club of female; 4- aedeagus.

Differential diagnosis. The new species is visually very similar to *O. (F.) ovalis* (Arrow, 1915) and *O. (F.) pseudoovalis* Háva, 2004, but differs from them by the following characters:

Terminal antennal segment circular, flat; each elytron covered by white pubescence, with two black or dark brown isolated spots *O. (O.) luzonicus* sp. nov.
Terminal antennal segment long, suboval; each elytron covered by white pubescence, with one large dark brown spot and anterior transverse fasciae *O. (F.) ovalis* (Arrow, 1915) and *O. (F.) pseudoovalis* Háva, 2004

Etymology. Named based on the type locality, Luzon I.

LIST OF THE *ORPHINUS* SPECIES KNOWN FROM THE PHILIPPINES

Genus *Orphinus*

Subgenus *Orphinus* s. str.

Orphinus apicalis Pic, 1918

Orphinus rufofasciatus Pic, 1924

Distribution: Indonesia: Java; Sumatra; Philippines: Luzon.

Orphinus fasciatus (Matsumura & Yokoyama, 1928)

Orphilus fasciatus Matsumura & Yokoyama, 1928

Distribution: Japan; Philippines: Luzon; Taiwan; Papua New Guinea.

Orphinus infasciatus Pic, 1926

Distribution: Philippines: Luzon.

Orphinus (Orphinus) luzonicus sp. nov.

Distribution: Philippines: Luzon.

Orphinus subfasciatus Pic, 1927

Distribution: Philippines: Mindanao.

Orphinus terminalis (Sharp in Blackburn & Sharp, 1885)

Distribution: Hawaiian Is.; Philippines; Cook Is.; Gilbert Is.; S Mariana Is.; Marshall Is.; Samoa Is., Upolu Is.

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