

ARTIGO / ARTÍCULO / ARTICLE

A new species of the genus *Orphinus* Motschulsky, 1858 (Coleoptera, Dermestidae: Megatominae) from Thailand.

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Abstract: *Orphinus* (*s. str.*) *kadeji* sp. nov. from Thailand is described, illustrated and compared with the similar species *Orphinus* (*Falsoorphinus*) *yeti* Háva, 2008.

Key words: Coleoptera, Dermestidae, *Orphinus*, taxonomy, new species, Thailand.

Resumen: Una nueva especie del género *Orphinus* Motschulsky, 1858 (Coleoptera, Dermestidae: Megatominae) de Tailandia. Se describe *Orphinus* (*s. str.*) *kadeji* sp. n. También se ilustra y compara con la especie similar *Orphinus* (*Falsoorphinus*) *yeti* Háva, 2008.

Palabras clave: Coleoptera, Dermestidae, *Orphinus*, taxonomía, nueva especie, Tailandia.

Recibido: 26 de agosto de 2014

Aceptado: 29 de agosto de 2014

Publicado on-line: 2 de septiembre de 2014

urn:lsid:zoobank.org:pub:F694D3BC-BD2F-48A1-A52F-102F6C6DE5EE

Introduction

The genus *Orphinus* Motschulsky, 1858 includes 89 valid species worldwide, most of them, exactly 75, members of the subgenus *Orphinus* (*s. str.*) (Kadej & Kitano 2010, Háva 2013, Herrmann *et al.* 2014). Although the genus is spread mainly in Asia so far only three of its species have been recorded from Thailand. *Orphinus kadeji* sp. nov. now becomes the fourth species of this genus, as well as of the nominal subgenus, belonging to the fauna of Thailand.

Material and Methods

All specimens were glued onto cardboard plates, the genitalia were extracted and embedded in a mixture of polyvinylpyrrolidone, diglycerine and water. The abdomen was separated from the body and glued upside down behind the specimen on the same cardboard plate.

The following abbreviations of measurements were used:

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 of the pronotum.

pronotal width (PW) - maximum linear distance between lateral margins.

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

elytral width (EW) - maximum linear transverse distance.

Abbreviations of collections:

AHEC: private collection of Andreas Herrmann, Stade, Germany.

HNHM: Termesztudományi Museum, Budapest, Hungary.

JHAC: Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-west, Czech Republic.

Description

Orphinus (*s. str.*) *kadeji* sp. nov.

(Figs. 1-5)

Type material. Holotype (male): Thailand, Kaeng Krachan N.P., Headquarters, at light, 8.II.1994, S. & L. Mahunka leg. (HNHM). Paratypes (3 males): the same data as holotype (2 HNHM, 1 JHAC); "Thailand: Loei Prov., Phu Kradung NP, 16°52'N, 101°49'E, 1500 m, 16.-17.V.1999, Hauck lg. (AHEC)". The type specimens are provided each with a red, printed label showing the text: "HOLOTYPUS [respectively PARATYPUS] *Orphinus kadeji* sp. n., A. Herrmann & J. Háva det. 2013".

Description.

Male. Body measurements in mm: TL 2.0-2.1, PL 0.4-0.5, PW 1.1-1.2, EL 1.6-1.7, EW 1.3-1.4. Body longish oval, dorsal surface coloured in black and orange, covered sparsely with thin bright hairs (Figs. 1-2). Head orange, as broad as long, with indistinct punctuation, on the frons with a few suberect bright hairs. Eyes large with some hardly visible microsetae. Palpi and all mouthparts orange, ocellus present on front. Antenna with 11 antennomeres; the antennal club consists of 3 antennomeres, ovate and entirely orange to yellow, a little bit shorter than the shaft, all three segments covered with fine procumbent pubescence (Fig. 3). Pronotum with the same orange colour and indistinct punctuation as in the head, covered sparsely with bright suberected hairs, much broader than long, narrowed anteriorly, broadest at the apical edges, its lateral margins not visible from above; posterior and especially the anterior angles somewhat rounded. Elytra with distinct punctuation, the punctures are sparse and coarse; pubescence as in the pronotum; cuticle more or less shiny and black except a big orange macula covering each shoulder, furthermore the whole apical fifth of the elytra is coloured in orange (Figs. 1-2). Scutellum very small and triangular, with the same punctuation as the elytra. Punctuation and pubescence of the underside similar to the elytra, entirely black except the visible abdominal sternites which are orange to brown, covered densely by recumbent and thin bright hairs. Legs and tarsi entirely orange, covered quite densely with short bright pubescence. IV and X abdominal sternites as in fig. 5. Genitalia as in fig. 5.

Female. Externally similar to male, differing in the structure of the antennae (Fig. 4).

Differential diagnosis. The new species can be distinguished from the very similar *Orphinus* (*Falsoorphinus*) *yeti* Háva, 2008, known from Assam and Nepal, by the structure of the antennae and the male genitalia. Terminal antennal antennomere oval in the new species, longish-ovate in *O. (F.) yeti*. Pronotum of new species orange, black in *O. (F.) yeti*.

Name derivation. The name is dedicated to Marcin Kadej (Wrocław, Poland), honouring his work on the taxonomy and morphology of world Dermestidae.

Acknowledgements

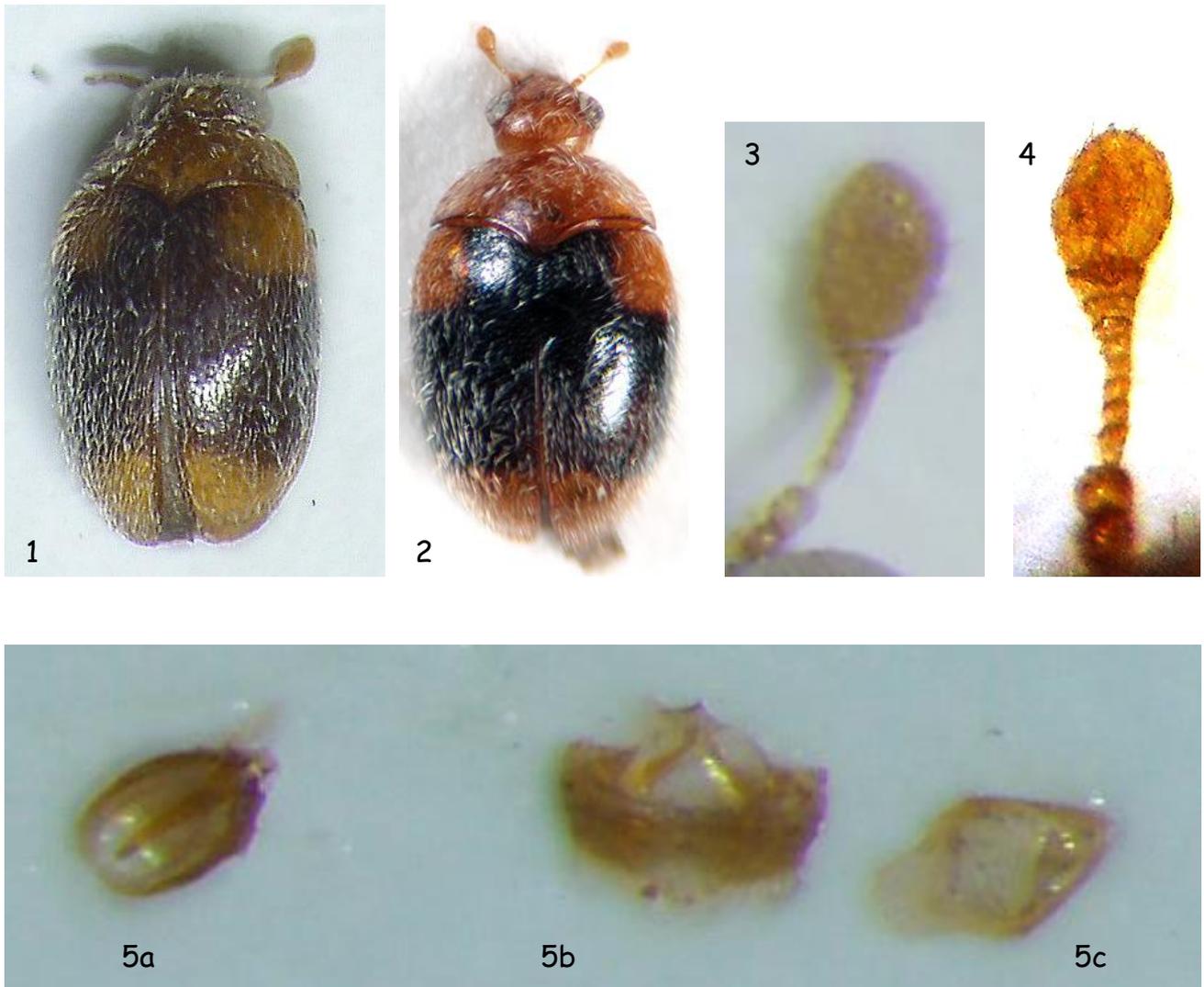
We are deeply indebted to Claudio Canepari (Italy) and Ottó Merkl (HNHM) for loaning their interesting material and generous offering of specimens.

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Figs. 1-5. - *Orphinus kadeji* sp. nov. 1.- Habitus of male, dorsal aspect. 2.- Habitus of female, dorsal aspect. 3.- Antenna of male. 4.- Antenna of female. 5a.- Aedeagus. 5b.- X abdominal sternite. 5c.- IV abdominal sternite.