

## ARTIGO / ARTÍCULO / ARTICLE

# A new *Orphilodes* Lawrence & Slipinski, 2005 from Papua New Guinea (Coleoptera: Dermestidae: Orphilinae).

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**Abstract:** *Orphilodes papuanus* sp. nov. (Coleoptera: Dermestidae) from Papua New Guinea is described, illustrated, and compared with other known species.

**Key words:** Coleoptera, Dermestidae, Orphilinae, *Orphilodes*, Taxonomy, new species, key, Papua New Guinea.

**Resumen:** Un nuevo *Orphilodes* Lawrence & Slipinski, 2005 de Papúa Nueva Guinea (Coleoptera: Dermestidae: Orphilinae). Se describe e ilustra *Orphilodes papuanus* sp. nov. (Coleoptera: Dermestidae), y se compara con otras especies conocidas.

**Palabras clave:** Coleoptera, Dermestidae, Orphilinae, *Orphilodes*, Taxonomía, nueva especie, clave, Papúa Nueva Guinea.

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## Introduction

The genus *Orphilodes* was described by Lawrence & Slipinski (2005) with three species from Australia. Those three species are known from New South Wales, Queensland, and South Australia (Lawrence & Slipinski, 2005, Háva in Zahradník & Háva, 2014, Háva 2015). This genus and the similar genus *Ranolus* Blair, 1929 both belong to the subfamily Orphilinae LeConte, 1861, tribe Ranolini Háva in Zahradník & Háva, 2014. The present article describes a new species collected in Papua New Guinea.

## Material and methods

All photos were made with a camera Olympus SZX16. The following abbreviations were used:

TL (Total length) - linear distance from anterior margin of pronotum to apex of elytra.

EW (Elytral width) - maximum linear transverse distance.

## Description

Subfamily Orphilinae LeConte, 1861

Tribe Ranolini Háva in Zahradník & Háva, 2014

Genus *Orphilodes* Lawrence & Slipinski, 2005

***Orphilodes papuanus* sp. nov.**  
(Figs. 1-3)

**Type material.** Holotype (♀): "New Guinea NE: [Papua New Guinea, Madang province] Mt. Wilhelm, Keglsugl, 10-14.VIII.1969" [hand written label]. Holotype deposited in Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-west, Czech Republic. Holotype specimen provided with red label: "HOLOTYPE *Orphilodes papuanus* sp. nov. Jiří Háva det. 2015".

**Description.**

**Female:** Body short, oval, very convex, brown, covered by a moderately long, dense, recumbent yellow and brown setations (Figs. 1-2). Measurements (mm): TL 3.2 EW 2.0.

Head finely punctate with recumbent yellow setation. Labial and maxillary palpi brown. Pubescence on mentum denser. Mentum with deep more-or-less triangular impression. Mandibles about twice as wide as antennal scape, distorted, so that slender, bifid apex is displaced proximally and setose outer surface is apical. Antennae brown, composed of 11 antennomeres with a rather distinct 3 antennomered club (Fig. 3). Eyes very large with brown microsetae. Median frontal ocellus present.

Pronotum punctate as head covered by entirely yellow, recumbent setation. Prosternal process short, broad and coarsely punctate, widest near posterior end. Hypomeron biconcave, finely punctate, with deep and well defined anterior antennal cavity and shallower, less well defined posterior femoral housing continuous with that on procoxa.

Scutellum brown, triangular with short, recumbent brown setation.

Elytra. Humera of each elytron coarsely punctate with one large bump, other parts finely punctate; each elytron with three transverse fasciae from yellow setation; humeral, median and posterior yellow, transverse fasciae not associated on the sutura (Fig. 2). Epipleuron unicolorous, brown, with short yellow setation.

Mesosternum short and broad with longitudinal groove; metasternum on disc finely punctate, laterally coarsely punctate, covered by recumbent yellow setation. Metepisternum coarsely punctate covered by recumbent yellow setation.

Abdominal visible ventrites brown, finely punctate covered by recumbent yellow setation.

Legs brown with yellow setation; outer edges of tibiae with finer, short spines.

**Male:** So far unknown.

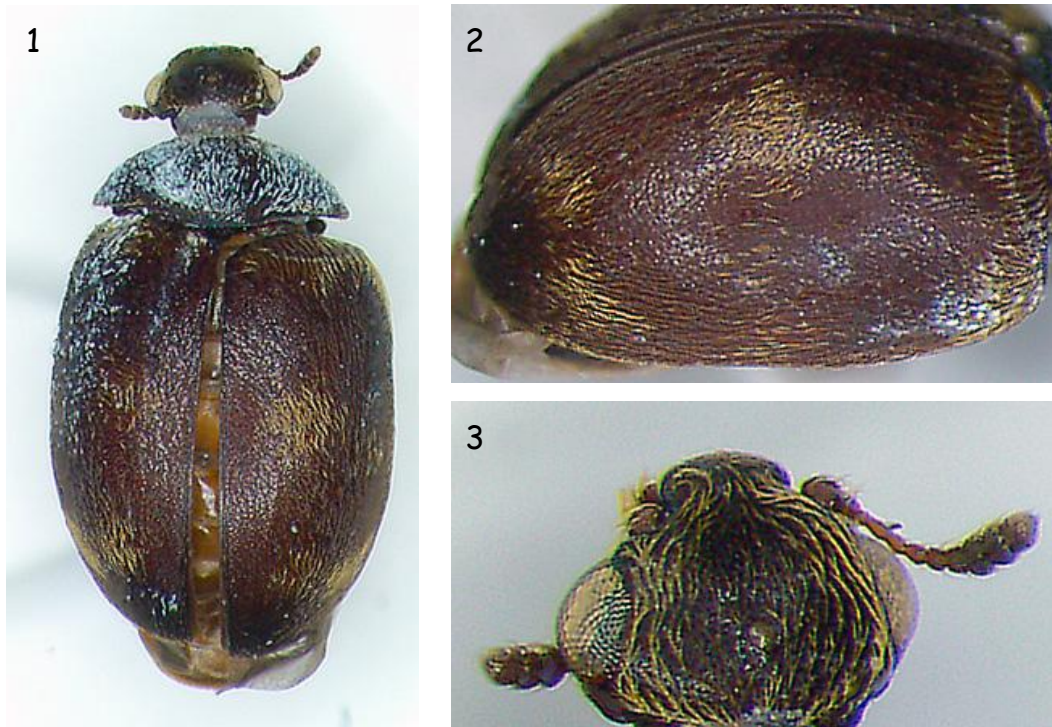
**Differential diagnosis.** The new species is similar to other known species, but differs from them by the characters mentioned in the following key.

**Key to the species of *Orphilodes* Lawrence & Slipinski, 2005**

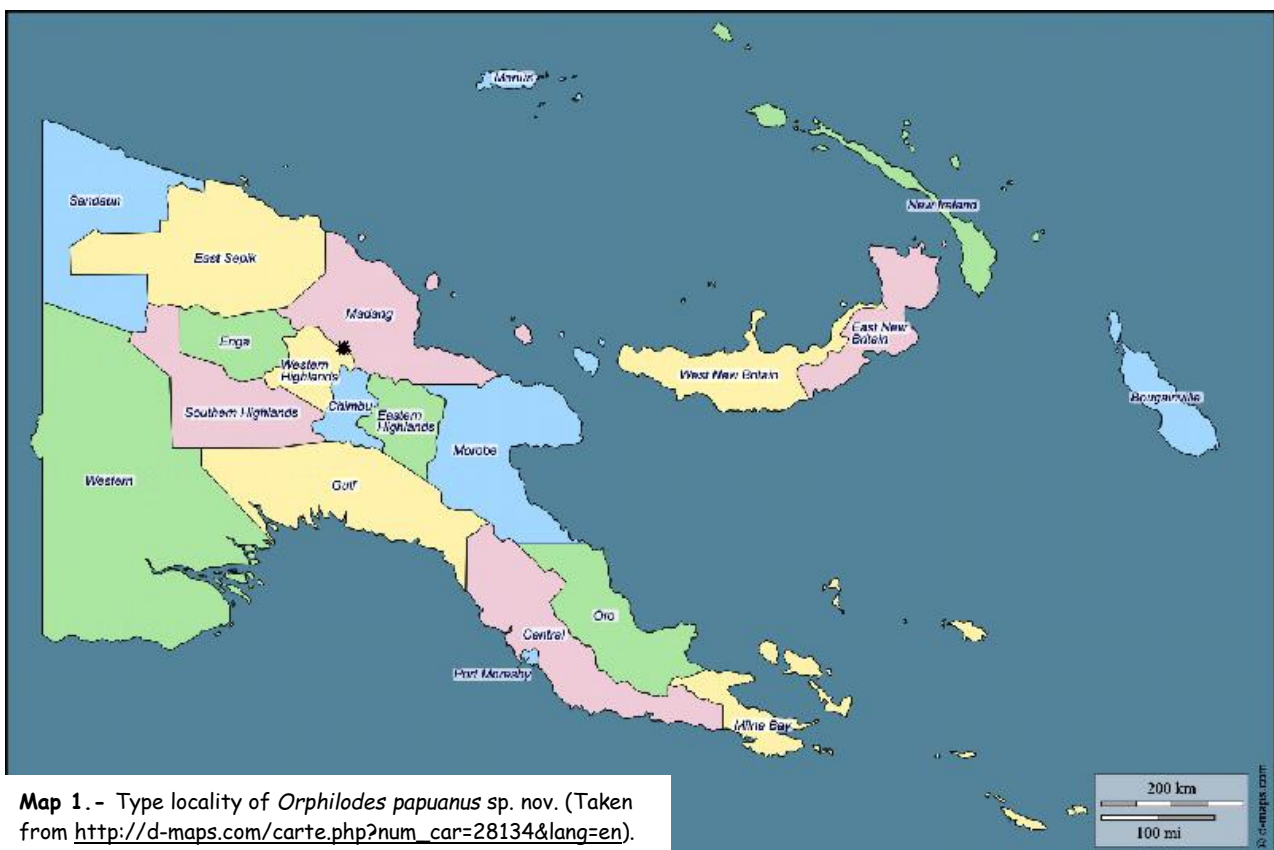
1(2)	Antennae with 10 antennomeres; outer edges of tibiae with stout spines.....	<i>O. malleecola</i> Lawrence & Slipinski, 2005
2(1)	Antennae with 11 antennomeres; outer edges of tibiae with finer spines.....	
3(6)	Body more than 2.7 mm long; pronotum widest near posterior end; outer edges of tibiae more-or-less straight.	
4(5)	Head with impressed ocellus at the apex of a V-shaped impression.....	<i>O. australis</i> Lawrence & Slipinski, 2005
5(4)	Head with not impressed ocellus; elytra with yellow fasciae (Fig. 2).....	<i>O. papuanus</i> sp. nov.
6(3)	Body less than 2.7 mm long; pronotum widest about at middle; outer edges of tibiae distinctly sinuate.....	<i>O. minor</i> Lawrence & Slipinski, 2005

**Etymology.** Toponymic, named according to the country where the type was collected, *papuanus* - Papua New Guinea.

**Distribution.** Papua New Guinea: province of Madang (Map 1).



**Figs. 1-3.** - *Orphilodes papuanus* sp. nov.: 1. - Habitus, dorsal aspect. 2. - Right elytron, lateral aspect. 3. - Head with antennae and ocellus.



**Map 1.** - Type locality of *Orphilodes papuanus* sp. nov. (Taken from [http://d-maps.com/carte.php?num\\_car=28134&lang=en](http://d-maps.com/carte.php?num_car=28134&lang=en)).

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