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Three new species of *Agriloides* Kerremans, 1903 in the collections of Prague Natural History Museum (Coleoptera, Buprestidae)

ABSTRACT - Three new species of *Agriloides* Kerremans, 1903 are described: *Agriloides laticauda* n. sp. and *Agriloides nigromucoreus* n. sp. both from Brazil and *Agriloides paraguayanus* n. sp. from Paraguay.

RIASSUNTO - Tre nuove specie di *Agriloides* Kerremans, 1903 delle collezioni del Museo di Storia naturale di Praga (Coleoptera Buprestidae).

L'autore descrive tre nuove specie di *Agriloides* Kerremans, 1903: *Agriloides laticauda* n. sp. e *Agriloides nigromucoreus* n. sp. ambedue del Brasile e *Agriloides paraguayanus* n. sp. del Paraguay.

KEY WORDS - Coleoptera, Buprestidae, Agrilini, *Agriloides*, Neotropic, Prague museum.

INTRODUCTION

During a visit to the Prague Museum of Natural History to examine the types of *Agriloides* Kerremans, 1903 described by Obenberger, the curator Vítězslav Kubáň entrusted me with some specimens of this genus belonging to four undescribed species. These species were already identified as new by Obenberger and Kubáň. Three of these species are described here, and I am grateful to Dr. Kubáň for giving me the opportunity to make the study.

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MATERIAL AND METHODS

As mentioned in the introduction, the specimens were found in Obenberger collection, stored dry. The photographs were taken with a Nikon P6000 camera fixed to the 6.3 x ocular of a Leica MZ6 stereomicroscope. A series of photographs were taken and a stack was performed with Combine Z4 program. The final images were processed using Photoshop 5.0 (Adobe Systems Inc.).

DESCRIPTION OF THE SPECIES

***Agriloides laticauda* n. sp.** (figs 1a, 1b, 1c)

Material examined

Holotype ♂: Brésil, Mineiro Goyaz (NMPC). Paratype ♀: Brasilia [name latinized, understood as a country and not as the city] (NMPC).

Description of the holotype

Length 11.4 mm. Dorsal color black, with grey pubescence except two gold yellow spots at the margins, below the humeral callus. Body slender and lengthened, with apex very expanded/rounded, similar to *A. squalus* Waterhouse, 1889 from Central America.

Vertex $\frac{1}{3}$ of anterior edge of pronotum, composed by two conic bumps. Frons black, with an ample spot of yellow pubescence in basal half, limited on lateral edges by two other bumps smaller than those on vertex. Clypeus with a transversal carina. Antennae black, short and small, serrate from fourth article.

Pronotum transverse, depressed on sides. Premarginal carinula not entire, approximately $\frac{1}{3}$ of pronotum length. Maximum width at midlength; lateral margins regularly rounded, basal angles obtuse. Marginal carinae open anteriorly, joined at $\frac{1}{3}$ from base. Anterior margin of anterior prosternal lobe amply sinuate. Scutellum big, broad and short, with a transverse carina in anterior part. Elytra lengthened, with scattered pubescence forming a poorly defined symmetric pattern (fig. 1a). Apex microdenticulate with violet reflections.

Ventral side with thorax dark red and abdomen black. Pubescence grey, a line of same pubescence more condensed at $\frac{3}{4}$ of width; another spot more condensed at sides of first sternite.

Legs with red reflections similar to thorax; anterior and median claws

bifid. Basal metatarsomere as long as metatarsomeres 2+3+4 together.

Aedeagus yellow, feebly sclerotized, parallel sided; median lobe rounded at apex (fig. 1c).

Description of the paratype

Length 13.5 mm. The female is less slender and all the claws are mucronate. The antennomeres 4-10 are triangular. Sides of the elytra with green reflection in lateral view.

Etymology

After the broadened elytral apex.



Fig. 1 - *Agriloides laticauda* n. sp. a) paratype ♀; b) lateral view; c) aedeagus, 3.1 mm.

Comments

Three species have lengthened body and broadened elytral apex, albeit less distinctly so: *A. foersteri* Cobos, 1967, *A. purpureocaudatus* Cobos, 1967, and *A. longus* Obenberger, 1924. *A. laticauda* n. sp. is easily distinguishable by the frontal pubescent spot and the premarginal carinula not entire.

***Agriloides nigromucoreus* n. sp. (figs 2a, 2b)**

Material examined

Holotype ♀: Brésil (Minas), Sertão de Diamantina, Faz. das Melancias (NMPC). Paratype ♀: same data as the holotype (NMPC).

Description of the holotype

Length 8.1 mm. Stumpy form. Dorsal color black with scattered grey pubescence forming an irregular pattern. Vertex with two prominent round bumps. Frons with other smaller bumps before antennal cavities. Two spots of white pubescence between superior and inferior bumps.

Clypeus prominent. Antennae black with bronze reflections, serrate from fourth antennomere. Pronotum wider anteriad, posterior angles subacute. Disc with two broad central impressions, separated by two small tubercles. Sculpture strong and untidy. Premarginal carinula absent, replaced by a thickened rib. Marginal carinae open anteriad, joined at $\frac{1}{4}$ from base. Anterior margin of anterior prosternal lobe amply sinuate.

Elytra with rounded and denticulate apices. Ventral side black and almost glabrous. Legs black; metatarsus short with basal metatarsomere as long as metatarsomeres 2+3+4 together. All claws mucronate.

Male genitalia: unknown.

Description of the paratype

Length 7.8 mm. Small latero-basal spots on the sides of the ventrites are visible in the paratype. A subhumeral rib is more evident on the elytra.

Etymology

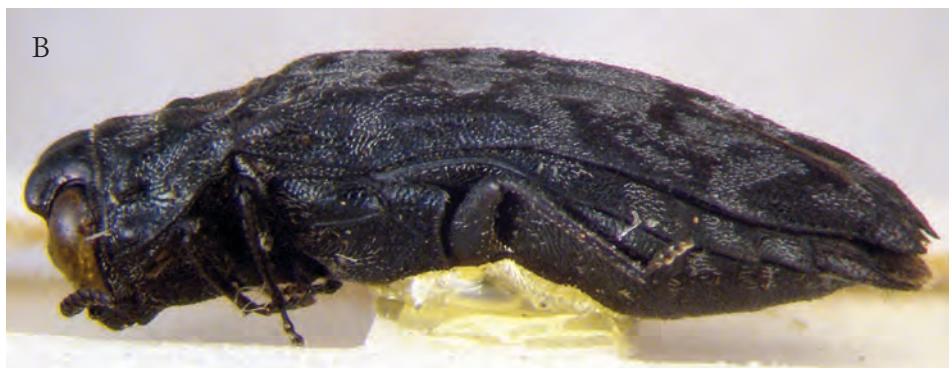
The species was identified as new by Obenberger, but it was never described. The specimens are labelled with this name and with the note “popsat!” = describe, in Czech language.

Comments

For the shape and especially for the two tubercles in the middle of the pronotum, *A. nigromucoreus* n. sp. is close to *A. gaucho* Obenberger, 1932, described from Argentina. The latter differs in having smaller and lengthened shape (5.8 mm.), presence of premarginal carinula, different disposition of elytral pubescence, frontal bumps less evident, frons with red pubescence covering the integument.



Fig. 2 - *Agriloides nigromucoreus* n. sp. a) holotype; b) lateral view.



***Agriloides paraguayanus* n. sp. (figs 3a, 3b)**

Material examined

Holotype ♀: Paraguay, Alto Paraná, Hohenau, 2.XII.1934, H. Jacob leg. (NMPC).

Description

Length 6.7 mm. Dorsal color black with grey scattered pubescence on elytra, forming anirregular pattern, similar to *A. nigromucoreus* n. sp. Vertex with bumps less prominent, rounded. Frons glabrous, with inferior bumps scarcely differentiated.

Clypeus separate from frons by a transverse carina. Antennae black, serrate from fourth antennomere. Pronotum wider in median part, lateral edges regularly rounded, posterior angles obtuse. Disc similar to that of *A.*



Fig. 3 - *Agriloides paraguayanus* n. sp. a) holotype; b) lateral view.

nigromucoreus n. sp., but with central couple of tubercles less evident. Pronotum with premarginal carinula absent. Marginal carinae joined at $\frac{1}{4}$ from base. with Anterior edge of anterior prosternal lobe straight.

Ventral side black, glabrous. Legs black, all claws mucronate; first metatarsomere shorter than the metatarsomeres 2+3+4 together.

Male genitalia: unknown.

Comments

A. paraguayanus n.sp. belongs to the group of *A. gaucho* and *A. nigromucoreus*, and has intermediate characters between them. In particular, it differs from *A. gaucho* by the larger size, the lack of red frontal pubescence, the absence of the premarginal carinula; from *A. nigromucoreus* by the smaller size, the obtuse posterior angles of pronotum, the less developed frontal bumps and the pronotum tubercles.

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