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An additional paralectotype of *Bolboceras vaulogeri* (Coleoptera: Bolboceratidae)

Další paralectotypus *Bolboceras vaulogeri* (Coleoptera: Bolboceratidae)

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***Bolbelasmus*, *Bolboceras vaulogeri*, Bolboceratidae, Coleoptera, paralectotype designation, taxonomy**

Abstract. In this paper, we designate an additional paralectotype of *Bolboceras vaulogeri* Abeille de Perrin, 1898 (now considered a valid species classified in the genus *Bolbelasmus* Boucomont, 1911). The specimen is deposited in the Muséum national d'Histoire naturelle, Paris, France.

INTRODUCTION

The genus *Bolbelasmus* was described by Boucomont (1911) and in the current concept it is classified into two subgenera (*Bolbelasmus* Boucomont, 1911 and *Kolbeus* Boucomont, 1911) with 28 formally described species (Hillert et al. 2016, Schoolmeesters 2019). *Bolboceras vaulogeri* was described by Abeille de Perrin in 1898 from Bizerte (Tunisia) (Abeille de Perrin 1898). Boucomont (1902) listed this species as valid, and Boucomont (1912) as a synonym of *Bolbelasmus bocchus* (Erichson, 1841). Probably based on the study of the specimen designated below, Pic (1924) disagreed with Boucomont (1912) and considered the species to be valid. Krikken (1977) studied several specimens from Tunisia, but without type material and resurrected the taxon as a subspecies of *B. bocchus*. Arnone & Massa (2010) described a population from Sicily (Italy) as *Bolbelasmus romanorum* Arnone et Massa, 2010. In a recent revision of the genus *Bolbelasmus* in the western and southern regions of the Mediterranean Basin, Hillert et al. (2016) synonymised this name with *Bolbelasmus vaulogeri*. For more details see Hillert et al. (2016).

During our visit (David Král and David Sommer, January 7–11, 2019) to the Muséum national d'Histoire naturelle, Paris, France (MNHN) we discovered in a box from Maurice Pic's collection one male of *Bolbelasmus* with label that looked like a "type label". We identified this specimen using the key in Hillert et al. (2016) as *B. vaulogeri*. Because the type locality of *B. vaulogeri* is "Bizerte" in Tunisia, we recognized that this specimen belongs to the type series of this species. Therefore we designate one additional paralectotype of *Bolboceras vaulogeri*.

RESULTS

The exact label data are cited; individual labels are indicated by double slash "‖", individual lines within every label by a single slash "|", [p] – preceding data within quotation marks are printed, [hw] – preceding data within quotation marks are hand-written, [] – presumption of authors.

Additional type material examined. 1 ♂ (MNHN) "vaulogeri Abe [= Abeille] [hw] || Bizerte | de Vauloger [p] || TYPE [p, red letters] || Bolboceras vaulogeri | Abeille de Perrin, 1898 | PARALECTOTYPUS ♂ | D. Král, D. Sommer | des. 2019 [p, red label] || Bolbelasmus vaulogeri | (Abeille de Perrin, 1898) | D. Král, D. Sommer | det. 2019 ♂ [p, red label] || Museum Paris | Coll. M. Pic [p]". The habitus of the specimen with labels is shown in Fig. 1.

Besides the lectotype, this is the only known male of the type series. Now the type series of *Bolbelasmus vaulogeri* includes the lectotype (♂) deposited in MNHN and eight paralectotypes (1 ♂, 7 ♀♀), deposited in the MNHN, the Natural History Museum in London, United Kingdom and the Zoologische Staatssammlung in München, Germany (see Hillert et al. 2016 and this paper).

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SOUHRN

Během naší lednové návštěvy (David Král a David Sommer, 7.–11.1.2019) v pařížském muzeu – Muséum national d'Histoire naturelle, Paříž, Francie (MNHN) jsme ve staré krabici pocházející ze sbírky Maurice Pica objevili neurčeného samce z rodu *Bolbelasmus*, pod kterým byl umístěn štítek s červeným nápisem "Type". Determinaci jsme provedli pomocí klíče uvedeného v práci Hillert a kol. (2016). Kus byl určen jako druh *Bolbelasmus vaulogeri* Abeille de Perrin, 1898. Podle lokalitního štítku tento exemplář pocházel z lokality „Bizerte", což je typová lokalita tohoto druhu. Evidentně se tedy jednalo o neoznačený paralektotypus

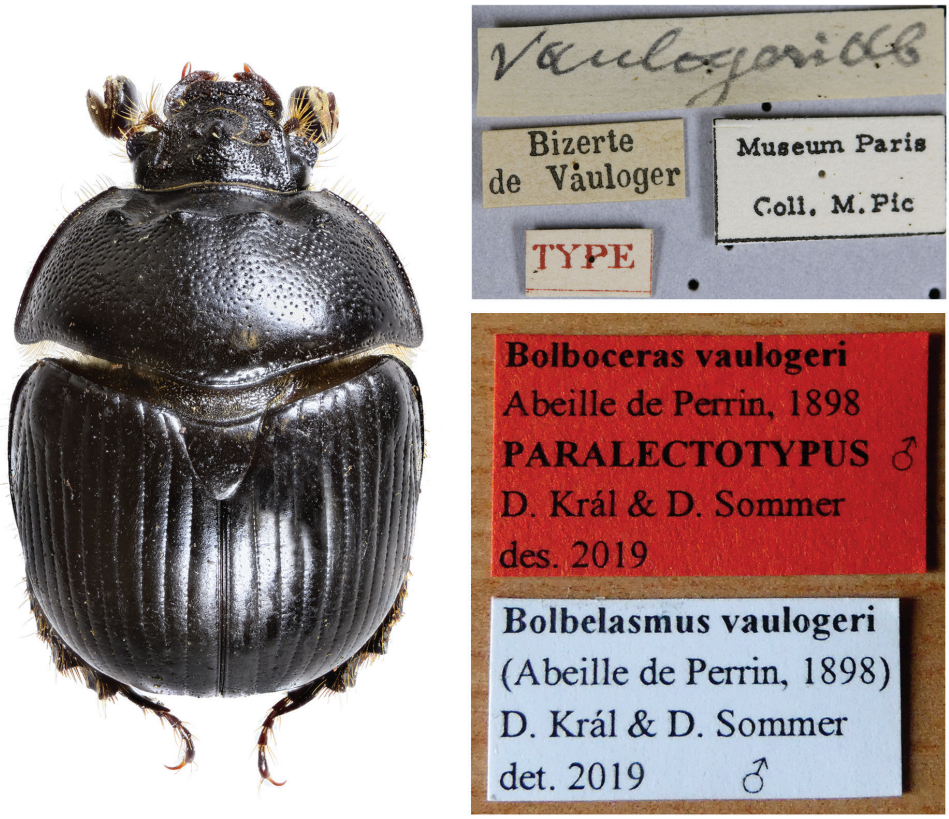


Fig. 1. Habitus of *Bolbelasmus vaulogeri* (Abeille de Perrin, 1898) in dorsal view – designated paralectotype specimen (♂) with original labels. Not to scale.
Obr. 1. Habitus druhu *Bolbelasmus vaulogeri* (Abeille de Perrin, 1898), dorzální pohled – označený paralektotypový kus (♂) s originálními štítky. Bez měřítka.

z původní syntypové série, kterou použil Abeille de Perrin k popisu druhu. Exemplář i štítky jsme vyfotili (viz obr. 1) a označili jako další paralektotypus. Aktuálně je tedy známo osm paralektotypů (1 ♂, 7 ♀♀) a tento exemplář je mimo lektotypu jediným známým samcem z typové série druhu (viz Hillert et al. 2016).