



# Article

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## Nomenclatural changes and redescriptions in *Plateros* Bourgeois, 1879 (Coleoptera: Lycidae) from Neotropical region

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### Abstract

Several nomenclatural acts are proposed in this paper. *Plateros plaumanni* n. nov. is proposed for *Sculptocalleros discithorax* Pic, 1949 as a replacement name. Following 3 varieties are elevated to species rank and transferred to the genus *Plateros* from *Calleros*: *Plateros curtebilineatus* (Pic, 1934) **comb. et stat. nov.** for *Calleros brasiliensis* var. *curtebilineatus* Pic, 1934, *Plateros inhumeralis* (Pic, 1938) **comb. et stat. nov.** for *Calleros wagneri* var. *inhumeralis* Pic, 1938, and *Plateros grandescapularis* (Pic, 1938) **comb. et stat. nov.** for *Calleros bogotensis* var. *grandescapularis* Pic, 1938. Simultaneously, *Plateros brasiliensis* (Lucas, 1857), *P. wagneri* (Pic, 1923), *P. bogotensis* Kirsch, 1865; *P. duomaculatus* Kazantsev, 2011, and *P. cristifer* Kazantsev, 2011 are redescriptioned.

**Key words:** net-winged beetles, *Plateros*, *Sculptocalleros*, new synonymy, replacement name

### Introduction

To deal with Brazilian lycid fauna, the first author decided to prepare a report of the situation on study of Lycidae as well as a species list from Brazil. During this task was found a secondary homonym from *Plateros* Bourgeois, 1879 *sensu* Bocakova (2001) and some dubious species names and occurrence sites in Blackwelder (1945) checklist.

As understood by previous authors (Kleine 1933, Blackwelder 1945) the genus *Plateros* encompassed up to 300 described species present in all zoogeographic regions. Since Bocakova (2001) considered ten genus-group taxa as junior synonyms of *Plateros*, the range of occurrence of the genus was extended and the number of species was increased to about 900 species (Bocakova 2001), resulting in the appearance of large number of junior homonyms in this genus of net-winged beetles. Kazantsev (2011) proposed many new names for these homonyms.

Among the species lists compiled by Richard Blackwelder, he published a checklist of lycids from Mexico to South America (Blackwelder, 1945). However, he overlooked some information, for example the transfer of some species from *Plateros* to *Calleros* by Pic (1934, 1938), and consequently he listed many duplicated species, often without site occurrence data. For example, Pic (1934) described a new variety of *Plateros brasiliensis* Lucas, 1857, as *Calleros brasiliensis* var. *curtebilineatus*, and this way transferring *P. brasiliensis* to *Calleros*. As before there was no nomenclatural code as today (ICZN, 1999), this nomenclatural act is considered as valid. Blackwelder (1945) overlooked the new combination and listed in his checklist all the names: *Plateros brasiliensis*, *Calleros brasiliensis* Pic, 1934, and *Calleros brasiliensis* var. *curtebilineatus*. This can be applied to many if not all the species with “?” instead of the occurrence site in Blackwelder’s (1945) checklist.

Therefore, according to the article 60 of the ICZN (1999) we present here new combinations and a replacement name for a newly recognized junior homonym of *Plateros* species. *Sculptocalleros discithorax* Pic, 1949 was found to be a member of *Plateros* Bourgeois, 1879 and therefore, it is transferred to the genus *Plateros*. Consequently, *Sculptocalleros* Pic, 1949 is considered to be a junior synonym of *Plateros* Bourgeois, 1879. *Plateros discithorax*