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## An annotated catalogue of the type material of Elateroidea Leach, 1815 (Coleoptera) deposited in the Coleoptera collection of the Museum of Zoology of the University of São Paulo, Brazil

VINICIUS DE SOUZA FERREIRA

*Museu de Zoologia da Universidade de São Paulo (MZSP), Setor de Entomologia, Laboratório de Sistemática, Evolução e Bionomia de Coleoptera, Avenida Nazaré, 481, Ipiranga, CEP: 04263-000, São Paulo-SP, Brazil. E-mail: vinicius.sfb@gmail.com*

### Abstract

The Museum of Zoology of the University of São Paulo (MZSP) houses one of the most important Coleoptera collections of Brazil and Neotropical Region with nearly 900,000 adult mounted material and about 1,500,000 specimens to be mounted. The superfamily Elateroidea Leach, 1815 (including Cantharoidea) comprises about 24,077 described species in 17 families. The MZSP owns type material of Brachypsectridae LeConte & Horn, 1883, Cantharidae, 1856 (1815), Cerophytidae Latreille, 1834, Elateridae Leach 1815, Eucnemidae Eschscholtz, 1829, Lampyridae Rafinesque, 1815, Lycidae Laporte, 1836, Phengodidae LeConte, 1861 and Rhinorhipidae Lawrence, 1988. This catalogue includes type material of 166 species distributed in 69 genera. Among 1,223 type specimens, are 86 holotypes, 1,133 paratypes, 2 allotypes, 1 lectotype and 1 paralectotype.

**Key words:** Elateridae, Lycidae, Phengodidae, Cantharidae, Eucnemidae

### Resumo

A coleção de Coleoptera do Museu de Zoologia da Universidade de São Paulo (MZSP) abriga uma das mais importantes coleções do Brasil e da região Neotropical com aproximadamente 900,000 adultos montados e cerca de 1.500.000 espécimens a serem montados. A superfamília Elateroidea Leach, 1815 (incluindo Cantharoidea) compreende cerca de 24.077 espécies descritas em 17 famílias. O MZSP possui material-tipo de Brachypsectridae LeConte & Horn, 1883, Cantharidae, 1856 (1815), Cerophytidae Latreille, 1834, Elateridae Leach 1815, Eucnemidae Eschscholtz, 1829, Lampyridae Rafinesque, 1815, Lycidae Laporte, 1836, Phengodidae LeConte, 1861 e Rhinorhipidae Lawrence, 1988. Este catálogo inclui material-tipo de 166 espécies distribuídas em 69 gêneros. Dentre 1223 tipos, há 86 holótipos, 1133 parátipos, 2 alótipos, 1 lectótipo e 1 paralectótipo.

**Palavras chave:** Elateridae, Lycidae, Phengodidae, Cantharidae, Eucnemidae

### Introduction

The Museum of Zoology of the University of São Paulo (MZSP) is considered one of the most traditional institutions in Brazil and its collections have been very useful to a more complete and broad understanding of the animal evolution and diversity studies in Brazil and in Neotropical region (Taddei *et al.*, 1999; Marinoni & Marinoni, 2012).

With one of the most important collections of Brazil and Neotropical Region the Coleoptera Collection of the Museum of Zoology houses nearly 900,000 adults of beetles mounted and about 1,500,000 specimens to be mounted (Costa 1999; Costa *et al.* 2000) and most of the unidentified material in the former collection of Richard Von Diringshofen (Costa *et al.* 2000; Ferreira *et al.* in prep). The MZSP also owns a very important immature collection, the Immature Coleoptera Collection (CIC–MZSP), with about 51,000 species maintained on 70% ethyl alcohol (Costa 2010; Barbosa *et al.* 2013). Up to now no list of type material of Elateroidea deposited in the MZSP has been published.

**Paratype:** 1 ♂. 27.56S 153 12E, Joalah N.P., Tamborine Mt. Q, 18–21. Oct. 1978, Lawrence & Weir; On low vegetation.

**Conservation status:** Good condition.

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