A new extant species of *Electribius* Crowson from Honduras (Coleoptera: Elateroidea: Artematopodidae)

MATTHEW L. GIMMEL & MILADA BOCAKOVA

Department of Biology, Faculty of Education, Palacky University, Purkrahska 2, 771-40, Olomouc, Czech Republic. E-mail: phalacrid@gmail.com; milada.bocakova@apol.cz

Abstract

A new extant species of *Electribius* Crowson, *E. llamae* sp.n., is described from Cusuco National Park, Cortés Province, Honduras. This new species lacks one of the supposed autopomorphies of the genus; therefore the definition of the genus requires modification. A revised key to the known extant species is presented, and their known distributions are mapped.

Key words: Electribiinae, taxonomy, Mesoamerica, new species

Introduction

The Artematopodidae are a small group of phylogenetically early-branching elateroid beetles supposedly related to Omethidae (Kundrata et al. 2014). The extant component of the family currently consists of three subfamilies, eight genera and 67 species distributed in the Holarctic, Oriental and Neotropical regions (Hörnschemeyer 1998; Lawrence 2005; Arriaga-Varela & Escobar 2014), with an additional two monotypic fossil genera and six fossil species (Lawrence 2010). The adults are diverse in body form but share numerous presumed synapomorphies, including tarsomeres 3 and 4 with membranous lobes and a tongue-like process on the underside of the apex of the elytra (Crowson 1973).

The genus *Electribius* Crowson (1973) is the sole representative of the subfamily Electribiinae, and was originally described from fossil specimens. Currently the genus consists of four described fossil and three extant species. This paper adds an eighth species. All known extant species occur at high elevations in Mesoamerica (Fig. 1), while all known fossil species are from Baltic amber, i.e. European. Additionally, the number of known specimens of extant species is doubled since the three previous species were described based on only four specimens.

List of described species of *Electribius* († indicates fossil species):

*Electribius balticus* Hörnschemeyer, 1998  † Baltic amber
*Electribius crowsoni* Lawrence, 1995  México (Chiapas; Oaxaca)
Emmanuel Arriaga-Varela for sharing his then-unpublished manuscript with me. This manuscript was supported by grant no. CZ.1.07/2.3.00/30.0004 from the European Social Fund.

References

http://dx.doi.org/10.11646/zootaxa.3895.2.10

http://dx.doi.org/10.1080/00222937300770181

http://dx.doi.org/10.1007/BF02988360

http://dx.doi.org/10.1016/j.ympev.2014.03.012


http://dx.doi.org/10.1649/749
