



Revision of Neotropical species of Empidoidea (Diptera) described by Mario Bezzi. X. The species described in *Apalocnemis* Philippi (Brachystomatidae, Trichopezinae)

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Abstract

Bezzi described two species in *Apalocnemis* Philippi, which at that time was placed in Empididae. This genus is presently assigned to Brachystomatidae, Trichopezinae. The type specimen of *A. variegata* Bezzi, 1905 is lost. *Apalocnemis cingulata* Bezzi, 1909 is redescribed and a lectotype designated based on a male specimen from Sicuani, Peru.

Key words: *Apalocnemis*, Empidinae, Empidoidea, Neotropical Region; taxonomy

Introduction

This work continues the re-description of Neotropical species described by Bezzi (1905, 1909) in Empididae. *Apalocnemis* Philippi, 1865 was described as a genus of Empididae, but according to Sinclair & Cumming (2006) belongs to the monophyletic family Brachystomatidae with characters including the following synapomorphies: ejaculatory apodeme plate-like and narrowly fused to base of phallus, female tergite 7 usually bearing fringe of setae along posterior margin, and female cercus held upright. *Apalocnemis* was included in Trichopezinae, a rather heterogeneous subfamily. According to Sinclair & Cumming (2006), Trichopezinae can be separated into two groups by the presence or absence of holoptic eyes in males. The form of the male cercus with its stout inner face possibly unites the genus-group with holoptic males in which *Apalocnemis* is included.

Bezzi described two species in *Apalocnemis*. The first, *A. variegata* Bezzi, 1905, from Callanga, Peru. The only specimen, the holotype, was deposited in the Hungarian Natural History Museum, Budapest, Hungary (Smith 1962) and was destroyed in 1956 when Russian artillery bombed Budapest. The second, *A. cingulata* Bezzi, 1909, from Sicuani and Cuzco (Peru) and La Paz (Bolivia) was described from four specimens, two males and two females. This latter species is herein re-described based on a male syntype specimen from Peru, Sicuani, deposited in the Staatliches Museum für Tierkunde, Dresden. The whereabouts and status of the other syntype specimens are unknown.

The re-description presented here is complementary to the original descriptions, and are supplemented with illustrations in order to facilitate the species identification.

Material and methods

This study is based on the examination of the type specimen of *Apalocnemis* housed in the Staatliches Museum für Tierkunde (SMT), Dresden, Germany. The terminology is according to McAlpine (1981), as presented in the first paper of this series (Rafael & Ale-Rocha 1995) as updated after Cumming and Wood (2009). Setae on symmetrical