

The first records of *Kempnyia* (Plecoptera: Perlidae) from Central Brazil, with descriptions of new species

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Abstract

Four species of *Kempnyia* are recorded from Central Brazil representing the first time this genus was found in the area. Two are known species, *K. neotropica* and *K. vanini*, and two newly described species, *K. oliverai* sp. n. and *K. goiana* sp. n., both belonging to the *serrana* group.

Key words: Plecoptera, *Kempnyia*, *serrana* group, new species, Central Brazil

Introduction

The genus *Kempnyia* Klapálek includes 29 valid species. A considerable progress in their knowledge has been achieved in the last twenty years, both in the description of new species as in redescriptions of older species (Froehlich, 1984, 1988, 1996). The genus is endemic to the southern half of Brazil and, possibly, to neighbouring areas in Paraguay, Argentina and Uruguay. This is the first record of *Kempnyia* in Central Brazil, extending the distribution of the genus to the State of Goiás.

The genus *Eutactophlebia* was created by Klapálek (1914) for two species with 3 ocelli, a broad median stripe on the pronotum and cross-veins between Rs and Cu₁ on the distal half of the wings. Froehlich (1979) pointed out that these characters are not good discriminants of the genus and that characters of the genitalia, viz., the more basal position of the hooks in the male and a deep apical emargination in the female subgenital plate would be more appropriate. Zwick (1983), however, placed *Eutactophlebia* as a synonym of *Kempnyia* because the type species clearly belongs to this genus. Froehlich (1984) named the species previously included in *Eutactophlebia* as the *serrana* group and described additional species in the group. Dorvillé & Froehlich (1997) described a species of *Kempnyia* with characters intermediate between the *serrana* group and other *Kempnyia*.