

***Cabecar serratus*, a new genus and species of leptohyphid mayfly
from Central America, and description of the imaginal stages of
Tricorythodes sordidus Allen
(Ephemeroptera: Leptohyphidae)**

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Abstract

Cabecar serratus, gen. n., sp. n., is described based upon larvae and reared adults from the costal regions of Costa Rica, Nicaragua, and Panamá. The imago stage of *Tricorythodes sordidus* Allen is also described for the first time from reared larvae from Nicaragua and Costa Rica.

Key words: Ephemeroptera, Leptohyphidae, *Tricorythodes*, *Cabecar*, new genus, new species.

Introduction

Species of the New World mayfly family Leptohyphidae are common and widely distributed throughout North, Central, and South America, with several species known from the Caribbean Islands. The majority of these species have been described as either larvae or adults, but not both. While some progress has been made in associating the life stages of some species (Baumgardner and McCafferty 2000; Baumgardner 2003; Baumgardner *et al.* 2003; Molineri 2002; Molineri 2003), many others still remain unassociated. Other taxonomic problems within the family include a poor understanding of interspecific variation, leading to multiple descriptions of the same species (see Baumgardner and McCafferty 2000 for examples), and a number of new species from Central America awaiting description. The purpose of this paper is to: (1) describe a distinctive new genus and species of leptohyphid mayfly based upon larvae and reared adults from Nicaragua and Costa Rica, and (2) characterize, for the first time, the imago of