

New species of *Bryophaenocladius* Thienemann from the Nearctic Region (Diptera: Chironomidae: Orthoclaadiinae)

XINHUA WANG^{1*}, ZHENG LIU¹ & JOHN H. EPLER²

¹Department of Biology, Nankai University, 300071 Tianjin, China

² 461 Tiger Hammock Road, Crawfordville, FL 32327, USA

* Corresponding author; xhwang@nankai.edu.cn

Abstract

The male imagines of three new species of *Bryophaenocladius* from the USA, *B. paranudisquama* sp. n., *B. polychaetus* sp. n. and *B. sclerus* sp. n., are described and figured. A key to the male imagines of Nearctic *Bryophaenocladius* is presented.

Key words: Diptera, Chironomidae, *Bryophaenocladius*, new species, Nearctic

Introduction

The orthoclad genus *Bryophaenocladius* was established by Thienemann in 1934. To date more than 70 species have been described world wide, with 12 species recorded from the Nearctic region (Malloch 1915, Oliver et al. 1990; Roback 1957; Sæther 1973, 1976, 1982; Sæther et al. 2000). Recently, we obtained material from the southeastern United States which contained several taxa new to science. Three new species are described below. A key to adult males of the genus in the Nearctic region is provided.

Material and methods

The morphological nomenclature follows Sæther (1980). Measurements are given as ranges followed by a mean when there are four or more measurements, followed by the number measured (n) in parentheses. Unless otherwise indicated, all measurements are in µm. The material examined was mounted on slides following the procedure outlined by Sæther (1969). In the figures of the male genitalia, the dorsal view is shown to the left, the