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**A review of *Antillocladius* Sæther, 1981; *Comptosmittia* Sæther, 1981 and
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HUMBERTO F. MENDES, TROND ANDERSEN & OLE A. SÆTHER



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Abstract

A parsimony analysis of recently collected species sharing several features such as scalpellate acrostichals, often setae apically on the wing membrane and often strongly extended costa, together with 38 genera show that the collected species can be assigned to *Antillocladius* Sæther, 1981, *Comptosmittia* Sæther, 1981, and one new genus, *Litocladius*. Nine new species of *Antillocladius* are described and figured as male imagines: *A. calakmulensis*, *A. herradurus* and *A. zempoalensis* from Mexico; *A. venequatoriensis* from Ecuador and Venezuela; *A. ubatuba* from Brazil and Venezuela; and *A. biota*, *A. folius*, *A. musci*, and *A. sooretama* from Brazil. The female of *A. musci*, the pupae of *A. antecalvus* Sæther, *A. folius*, and *A. musci*, and the larvae of *A. folius* and *A. musci* are also described and figured. New records of *A. antecalvus* Sæther from Brazil and Venezuela; of *A. arcuatus* Sæther from Brazil, Mexico and Venezuela; *A. pluspilalus* Sæther from Ecuador and Mexico and of *A. zhengi* Wang and Sæther from Thailand are given. The genus *Antillocladius* Sæther, 1981, originally described from the British West Indies, now includes 15 species from North, Central and South America, Russia, China and Thailand. Keys to all known males, females, pupae and larvae are given. Four new species of *Comptosmittia* are described and figured as male imagines: *C. aberrans* from Costa Rica; *C. croizati* from Brazil and Venezuela; *C. pittieri* from Venezuela; and *C. berui* from Brazil. The genus *Comptosmittia* Sæther, 1981, originally described from the British West Indies, now includes 8 to 10 species from North, Central and South America, Australia, Oceania and Southeast Asia. A key to male imagines is given. The new genus, *Litocladius*, includes a single species, *L. mateusi*, described as male, female and pupa. The immatures of all three genera are terrestrial or associated with phytotelmata, and notes on their biology and larval habitats are included.

Key words: Chironomidae, Orthoclaadiinae, *Antillocladius*, *Comptosmittia*, *Litocladius*, Nearctic, Neotropical, Oriental, Palaearctic, systematics