

Revision of the genus *Leptohyphes* Eaton (Ephemeroptera: Leptohyphidae) in North and Central America

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Table of contents

Abstract	1
Introduction	2
Morphology	2
Species accounts	3
<i>Leptohyphes allenii</i> Brusca	4
<i>Leptohyphes apache</i> Allen	8
<i>Leptohyphes bernieri</i> Traver	10
<i>Leptohyphes brevissimus</i> Eaton	10
<i>Leptohyphes ferrugininus</i> Allen and Brusca	13
<i>Leptohypheslestes</i> Allen and Brusca	15
<i>Leptohyphes mandibulus</i> Baumgardner	16
<i>Leptohyphes murdochii</i> Allen	19
<i>Leptohyphes musseri</i> Allen	20
<i>Leptohyphes nigripunctus</i> Traver	21
<i>Leptohyphes peterseni</i> Ulmer	22
<i>Leptohyphes pilosus</i> Allen and Brusca	23
<i>Leptohyphes priapus</i> Traver	24
<i>Leptohyphes sabinus</i> Traver	24
<i>Leptohyphes zalope</i> Traver	28
Discussion	31
Key to <i>Leptohyphes</i> Eaton larvae of North and Central America	32
Acknowledgments	32
References	33

Abstract

Changes to the taxonomy of North and Central America *Leptohyphes* (Ephemeroptera: Leptohyphidae) include the following. *Leptohyphes ferrugininus* and *L. apache* are revalidated. The adult stage of *L. ferrugininus* is diagnosed based upon subimagoes and a reared female adult and a partially emerged male adult. *Leptohyphes piraticus* is placed as a junior synonym of *L. ferrugininus*. *Leptohyphes vulturinus* and *L. zelus* are shown to be junior synonyms of *L. zalope*. *Leptohyphes hispidus*, *L. lumas*, *L. spiculatus*, and *L. succinus* are placed as junior synonyms of *L. apache*. *Leptohyphes castaneus*, *L. tarsos*, and *L. consortis* are placed as junior synonyms of *L. sabinus*. *Leptohyphes brunneus* is placed as a junior synonym of *L. musseri*. *Leptohyphes lestes* is newly reported from the USA. Numerous problems and errors associated with original descriptions of *Leptohyphes* species are discussed. A taxonomic key is presented to all known larval stages of North and Central American species of *Leptohyphes*.

Key words: Leptohyphidae, *Leptohyphes*, revision