

**REVISION OF THE NEARCTIC
DICROTENDIPES KIEFFER, 1913
(DIPTERA: CHIRONOMIDAE)**

J. H. Epler
Dept. of Entomology
Florida A & M University
Tallahassee, FL 32307
U.S.A.

ABSTRACT

The taxonomy of the Nearctic species of Dicrotendipes Kieffer, 1913, is revised. The morphology of the genus is reviewed, and new terms are proposed for some structures not previously described. Keys are presented for adult males, pupae and larvae. Seventeen species names are recognized as valid. Thirteen species are redescribed and descriptions of 4 new species are included, along with illustrations of important adult male, pupal and larval characters, comments on ecology and variation, and distribution records. New species are: D. adnilus, D. crypticus, D. simpsoni and D. thanatogratus. Three species are Holarctic: D. lobiger (Kieffer), D. modestus (Say) and D. nervosus (Staeger). One species, D. lucifer (Johannsen), is removed from synonymy with D. nervosus. A neotype is designated for D. modestus. Chironomus pulsus Walker is considered a junior synonym of D. modestus; Tendipes (Limnochironomus) figueroai is considered a junior synonym of D. aethiops (Townes); and Chironomus indistinctus Malloch is considered a junior synonym of D. lucifer. The synonymy of Limnochironomus Kieffer, 1920, with Dicrotendipes is considered valid; Carteronica Strand, 1928 (= Carteria Kieffer, 1921) is removed from synonymy with Dicrotendipes.

EVOLUTIONARY MONOGRAPHS 9: 102 pages plus 37 plates.
The price for individuals is \$13.60 and for institutions is \$16.00.

Order from: EVOLUTIONARY MONOGRAPHS
University of Chicago
915 East 57th Street
Chicago, Illinois 60637, USA