Note

Apobaetis futulis (McDunnough), a New Combination in Nearctic Baeidae (Ephemeroptera)

The species Pseudocloeon futile McDunnough (Ephemeroptera: Baeidae) was transferred to the genus Plauditus Lugo-Ortiz and McCafferty along with some other Nearctic species formerly assigned to the genus Pseudocloeon Klápálek (Lugo-Ortiz and McCafferty 1998). Plauditus futulis has been reported from southern Alberta (McDunnough 1931), central Texas (Baumgardner et al. 1997), and southeastern Oklahoma (Baumgardner and Kennedy 1999). The larvae remains unknown.

Based on our examination of the holotype and additional material, we recognize that Plauditus futulis instead belongs to the relatively infrequently collected genus Apobaetis Day, based on characters that include: anteriorly divergent turbinate eyes; the metanotum with a broad, dorsally projecting, metascutellar hump and a deeply emarginate posterior margin; a prominent, blunt projection between the genital forcepts; and divergent genital forcepts, each of which has an elongate basal segment and a second segment with relatively uniform thickness (Edmunds et al. 1976, Waltz and McCafferty 1986, Meyer and McCafferty 2003). Therefore, we transfer Plauditus futulis to Apobaetis, as Apobaetis futulis (McDunnough), new combination. Two other Apobaetis species are known from North America: A. etowah (Traver) and A. lakota McCafferty (McCafferty 2000).

Material examined.—HOLOTYPE, male adult, Alberta, Milk River, August 18, JH Pepper [Canadian National Collection of Insects, Ottawa, Ontario, Canada]; 11 male adults, 5 female adults, Oklahoma, Pushmataha Co., Kiamichi R at unnamed road in Tusahoma, 6-VIII-1993, DE Baumgardner [Purdue University Entomological Research Collection, West Lafayette, Indiana, USA].

Acknowledgments.—David Baumgardner (College Station, Texas) donated some material. This study was funded in part by CanaColl Grant 178 to LMJ.

Literature Cited


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