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Two new species of *Ochrotrichia* (Trichoptera: Hydroptilidae) from the southwestern United States

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Abstract

Descriptions and figures are provided for two new species of *Ochrotrichia* Mosely 1934 from Southern California and Arizona, United States, *O. bickfordae*, n. sp., and *O. bogani*, n. sp. Both species have the combination of a relatively simple 10th tergum and long inferior appendages.

Key words: taxonomy, Trichoptera, Hydroptilidae, *Ochrotrichia*, new species, California, Arizona

Introduction

Ochrotrichia is a large New World genus with over 170 species known so far (Morse 2010). Based on the material I have examined, there are many species yet to be described. Many of these species inhabit small, intermittent, headwater streams and additional collecting at such habitats will undoubtedly result in additional species being discovered. While most species of *Ochrotrichia* have a very complex set of appendages associated with the male 10th tergum, and/or short (length < 3 times height), often complex, inferior appendages (see Denning and Blickle 1972, Flint 1972, Bueno-Soria 2009), a few from the eastern United States have a combination of a simple 10th tergum and long, simple, nearly parallel-sided inferior appendages (*Ochrotrichia elongiralla* Harris 1986, *Ochrotrichia unio* (Ross 1941), *Ochrotrichia xena* (Ross 1938)). The two species described in this paper have the unique combination of a fairly simple 10th tergum, with only two simple appendages, and the long inferior appendage. They are distributed in the southwestern United States.

Methods

All material examined was collected with the use of light traps and stored in ETOH. The male genitalia were figured after being cleared in a 10% solution of KOH. Separate figures showing variation within the 10th tergum are presented. In the material examined, the number of females in the collection is also noted but placed in parentheses to indicate this is a presumed association. Depositories of the specimens are abbreviated as follows: California Academy of Sciences, San Francisco, California (CAS); D.E. Ruiter personal collection, Centennial, Colorado (DERPC); United States National Museum, Washington, District of Columbia (USNM).

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