NEW ADDITIONS TO THE INVENTORY OF COLORADO MAYFLIES (EPHEMEROPTERA) AND CADDISFLIES (TRICHOPTERA)1

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There are currently 102 species of mayflies (McCafferty et al., 1993, Durfee and Kondratieff 1994, Durfee and Kondratieff 1997) and 198 species of caddisflies (Herrmann et al., 1986, Ruiter 1990, Ruiter 1999) known from Colorado. In this paper, we report one new species record of mayfly Stenacron interpunctatum (Say) and one new species record of caddisfly Brachycentrus numerosus (Say) for the state. Both species were collected from the North Fork Republican River in Wray, Colorado, near the Kansas border. These collections extend the range westward for these two common, primarily eastern North American species (McCafferty and Huff 1978, Flint 1984). Stenacron interpunctatum is known to occur throughout Nebraska and Kansas (McCafferty et al., 2001). Likewise, B. numerosus is known from the central Nebraska counties of Brown and Thomas (unpublished data, C. P. Gillette Museum of Arthropod Diversity, Colorado State University), as well as from southwestern Kansas (Hamilton et al., 1983). These recent collections provide further evidence of the western dispersal of numerous aquatic insects via the Missouri River tributaries of eastern Colorado (Kondratieff and Ward 1987, Evans 1988, Zuellig et al., 2006). Further study is needed to determine where the two species occur in other suitable habitats of eastern Colorado in the South Platte and Arkansas River basins. The presence of both S. interpunctatum and B. numerosus in southwestern Kansas suggests their possible occurrence in the Arkansas River basin near the Kansas-Colorado border.


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