

NEW RECORDS OF CADDISFLIES (TRICHOPTERA) FROM OHIO, WITH PARTICULAR REFERENCE TO STILLFORK SWAMP, CARROLL COUNTY¹

J.D. Usis, B.A. Foote²

ABSTRACT: Known ranges of *Hydroptila delineata*, *H. gunda*, *H. lonchera*, *H. metoeca*, *Oxyethira grisea* (Hydroptilidae: Trichoptera), and *Limnephilus perpusillus* (Limnephilidae: Trichoptera) are extended to include northeastern Ohio. A total of 219 caddisfly species are now known to occur in Ohio, and 22 species are newly recorded for Stillfork Swamp in Carroll County.

Although northeast Ohio's caddisfly fauna has been relatively well documented (McElravy *et al.*, 1977; McElravy and Foote, 1978; Masteller and Flint, 1979; Huryn and Foote, 1981, 1983; Petersen and Foote, 1980; MacLean and MacLean, 1980, 1984; Usis and MacLean, 1986; Garono and MacLean, 1988), new taxa are still being discovered. Weekly black-light trap collections made during the adult emergence period in 1986 at Stillfork Swamp in Carroll County, a relatively undisturbed, unglaciated 50.6 ha wetlands owned by The Nature Conservancy, resulted in a total of 97 species in 39 genera, representing 11 families.

RESULTS

Additions to the list of caddisfly species known for Stillfork Swamp (Usis and MacLean, 1986) are given below. Species with (*) indicate new records for Ohio. The flight period of each species is given, followed by the number of each sex collected.

Polycentropodidae

Cynellus fraternus Banks (Aug. 20, 1 ♀)

Neureclipsis crepuscularis (Walker) (Sept. 4, 11: 1 ♂, 3 ♀♀)

Nyctiophylax affinis (Banks) (Sept. 4, 3 ♂♂)

Glossosomatidae

Glossosoma nigrrior Banks (Oct. 3, 1 ♀)

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²Department of Biological Sciences, Kent State University, Kent, Ohio 44242.

Hydroptilidae

- **Hydroptila delineata* Morton (Sept. 4, 4 ♂♂)
- **Hydroptila gunda* Milne (Aug. 20, 1 ♂)
- **Hydroptila lonchera* Blickle & Morse (Sept. 4, 11, 2 ♂♂)
- **Hydroptila metoeca* Blickle & Morse (Aug. 20, Sept. 4, 11, 3 ♂♂)
- Ochrotrichia wojcickyi* Blickle (Aug. 14, 2 ♂♂)
- Oxyethira michiganensis* Mosely (Aug. 14, 20, 1 ♂, 4 ♀♀; Sept. 4, 11, 26, 2 ♂♂, 6 ♀♀)
- **Oxyethira grisea* Betten (Aug. 14, 20, 17 ♀♀; Sept. 4, 20, 26, 2 ♂♂, 26 ♀♀)
- Neotrichia vibrans* Ross (Aug. 14, 2 ♂♂)

Limnephilidae

- Limnephilus moestus* Banks (June 11, 1 ♂)
- Limnephilus ornatus* Banks (Sept. 4, 1 ♂)
- **Limnephilus perpusillus* Walker (June 27, 1 ♂)

Lepidostomatidae

- Lepidostoma sommermannae* Ross (Oct. 12, 2 ♀♀)
- Lepidostoma costalis* (Banks) (Aug. 20, 1 ♀)

Molannidae

- Molanna blenda* (Aug. 20, 1 ♂, 1 ♀; Sept. 4, 1 ♂)

Leptoceridae

- Trienodes nox* Ross (May 30, 1 ♂, ♀)

The new records presented above bring the total number of caddisfly species recorded for Ohio to 219 (Huryn and Foote, 1983). All of the newly recorded hydroptilids appear to have eastern or northeastern distributions in North America (Blickle, 1979). *Hydroptila gunda* has been reported from New Hampshire, Virginia, Georgia, South Carolina and Alabama. Its presence at Stillfork Swamp indicates that its range extends west of the Appalachians. *Hydroptila lonchera* has been reported for the New England states and Alabama (Harris, 1986). Kelley (1985) indicated that the distribution range for *Oxyethira grisea* includes most of the eastern United States and Canada south to South Carolina.

Limnephilus perpusillus, originally described by Walker (1852), was redescribed by Milne (1935) as *Colpotaulius rhaeus* with records for Ontario, Manitoba, and Saskatchewan. Ross (1938) described *L. perpusillus* under the synonym *L. merinthus*, reporting a flight period in July for Manitoba. It has since been reported from Minnesota, North Dakota, and Wisconsin as well as the Canadian Provinces of Quebec and New-

foundland. Its occurrence in Ohio represents a southern range extension and seems to support Stein's (1974) suggestion that the swamp may serve as a refugium for many northern plants and animals.

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