

BRIEF NOTE

NEW RECORDS OF OHIO SHORE FLIES (DIPTERA: EPHYDRIDAE)¹

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OHIO J. SCI. 78(3): 154, 1978

The Ephydriidae are a large family of higher Diptera which are mostly aquatic in the immature stages and semiaquatic as adults. Previous studies and records of the family in Ohio include Wirth (1965), Deonier (1971, 1972), and Scheiring and Foote (1973). The latter 2 authors collected 68 ephydrid species in 10 different types of habitat in 13 counties of northeastern Ohio.

As part of a current statewide Ohio Biological Survey project, we conducted a systematic and ecological survey of the ephydrid fauna of 33 localities in 21 counties of southern Ohio from 1970 through 1976, which produced a total of 66 species, among 9,000 specimens, from 12 types of habitat. These habitat types, with the number of species in each in parentheses, were: mud shore (34), sand shore (25), grass shore (27), terrestrial shoreline vegetation (8), stagnant woodland stream (16), limnic wrack (22), algose stream rocks (15), freshet seep (16), marsh reeds (38), sedge meadow (19), floating algal mat (17), and floating vegetation (16).

In this collection, which was deposited in the Miami University Insect Collection, the following species constitute new records for Ohio:

Glenanthe interior Chillcott.—Butler Co.: Acton Dam Marsh, Hueston Woods S.P., 39°26.3'N, 84°43.3'W (VII-2-1975), sedge meadow, 1 specimen.

Discocerina trochanterata Cresson.—Clermont Co.: Stonelick S.P., 39°12.4'N, 84°3.5'W (VIII-1-1974), limnic wrack, 1 specimen.

Discocerina brunneonitens Cresson.—Clermont Co.: Stonelick S.P., 39°12.4'N, 84°3.5'W (VIII-1-1974), grass shore, 1 specimen, (IX-28-1975), grass shore, 1 specimen. Preble Co.: Hueston Woods S.P., 39°26.9'N, 84°45.0'W (VI-25-1975), woodland stream, 1 specimen.

Ditrichophora canifrons Cresson.—Lawrence Co.: Vesuvisus L., 38°34.8'N, 82°37.5'W (VIII-23-1974), mud shore, 1 specimen. Preble Co.: Hueston Woods S.P., 39°26.9'N, 84°45.0'W (VI-25-1975), woodland stream, 3 specimens; Rush Run Wildlife Area, 39°34.6'N, 84°37.9'W (VII-1-1975), terrestrial shoreline vegetation, 1 specimen.

Hydrellia ascita Cresson.—Adams Co.: Adams L., north end, 38°35.5'N, 83°32.1'W (X-4-1974), floating vegetation, 4 specimens.

Hydrellia bilobifera Cresson.—Adams Co.: Adams L., north end, 38°35.5'N, 83°32.1'W (X-4-1974), floating vegetation, 32 specimens, (VIII-13-1974), 1 specimen. Butler Co.: Acton Dam Marsh, Hueston Woods S.P., 39°26.3'N, 84°43.3'W (IX-30-1974), floating vegetation, 28 specimens, (VII-2-1975), sedge meadow, 2 specimens. Fairfield Co.: 3km E. of Millersport, 39°58.8'N, 82°31.0'W (IX-23-1974), floating vegetation, 14 specimens. Preble Co.: Rush Run Wildlife Area, 39°35.1'N, 84°38.2'W (X-6-1974), floating vegetation, 2 specimens.

Hydrellia trichaeta Cresson.—Adams Co.: Adams L., north end, 38°35.5'N, 83°32.1'W (X-4-1974), floating vegetation, 2 specimens. Fairfield Co.: Buckeye L., 39°54.1'N, 82°31.3'W (VII-30-1974), floating vegetation, 2 specimens; 3km E. of Millersport,

¹Note received September 30, 1977 and in revised form November 27, 1977 (#77-72).

- 39°58.8'N, 82°31.0'W (IX-23-1974), floating vegetation, 10 specimens. Lawrence Co.: Vesuvius L., 38°34.8'N, 82°37.5'W (VIII-23-1974), limnic wrack, 1 specimen. Perry Co.: Fink's Landing, Buckeye L., 39°53.8'N, 82°26.7'W (IX-23-1974), floating vegetation, 1 specimen. Preble Co.: Seven-mile Cr. at Eaton, 39°43.8'N, 84°35.9'W (X-12-1974), floating algal mat, 1 specimen.
- Lemnaphila scollandae* Cresson.—Clark Co.: Spring-fed cr. on Union Rd., 39°52.4'N, 83°57.0'W (XI-6-1975), watercress, 1 specimen. Perry Co.: Fink's Landing, Buckeye L., 39°53.8'N, 82°26.7'W (IX-23-1974), floating vegetation, 1 specimen.
- Notiphila avia* Loew.—Adams Co.: Adams L., north end, 38°35.5'N, 83°32.1'W (X-4-1974), floating vegetation, 1 specimen. Fairfield Co.: 3km E. of Millersport, 39°58.5'N, 82°31.0'W (IX-23-1974), floating vegetation, 2 specimens. Perry Co.: Fink's Landing, Buckeye L., 39°53.8'N, 82°26.7'W (IX-23-1974), floating vegetation, 3 specimens.
- Notiphila macrochaeta* Loew.—Adams Co.: Adams L., north end, 38°35.5'N, 83°32.1'W (X-4-1974), sedge meadow, 1 specimen.
- Notiphila pulchifrons* Loew.—Adams Co.: Adams L., north end, 38°35.5'N, 83°32.1'W (X-4-1974), sedge meadow, 2 specimens. Brown Co.: Grant L., 38°47.3'N, 83°54.9'W (VII-7-1975), grass shore, 1 specimen. Butler Co.: Acton Dam Marsh, Hueston Woods S.P., 39°26.3'N, 84°43.3'W (VII-2-1975), marsh reeds, 10 specimens; Peffer Park, Oxford, 39°29.7'N, 84°43.9'W (VIII-21-1975), grass shore, 1 specimen. Champaign Co.: Cedar Run, 0.8 km from Bog, 40°3.0'N, 83°46.4'W (IX-16-1974), sedge meadow, 11 specimens; Cedar Bog, 40°3.3'N, 83°46.4'W (IX-16-1974), sedge meadow, 6 specimens. Pike Co.: L. White, 39°4.1'N, 83°1.5'W (VIII-19-1974), freshet seep, 2 specimens. Preble Co.: Seven-mile Cr. at Eaton, 39°43.8'N, 84°35.9'W (VI-20-1975), grass shore, 1 specimen.
- Pseudohecamede abdominalis* (Williston). —Clermont Co.: Stonelick S.P., 39°13.6'N, 84°3.5'W (VIII-1-1974), mud shore+rocks, 1 specimen.

Acknowledgments. This work was supported, in part, by a grant from Ohio Biological Survey.

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