Brief Note: New Dragonfly (Odonata) Records for Tuscarawas County, Including a Species New to Ohio

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BRIEF NOTE

NEW DRAGONFLY (ODONATA) RECORDS FOR TUSCARAWAS COUNTY, INCLUDING A SPECIES NEW TO OHIO¹

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During the summer of 1970, I collected Odonata nymphs at 212 sites in the streams and rivers of Tuscarawas County in north-central Ohio. The location and a description of these sites along with an annotated list of all the species collected can be found in my thesis (Balciunas 1972). Previous collectors (Borror 1937, 1938; Alrutz 1961) had recorded only 23 species of Odonata from Tuscarawas County. My survey, while restricted to dragonfly nymphs in lotic habitats, resulted in 25 odonate species, 17 of which were new county records, and one that was new to Ohio. Almost 80% of the 1304 specimens collected during this survey belong to just 5 species: Calopteryx maculata Beauvois, 40% of my specimens; Aeshna umbrosa Walker, 18%; Boveria vinosa (Say), 13%; Enallagma antenatum (Say), 7%; Argia violacea (Hagen), 6%. None of these 5 species had been previously recorded from Tuscarawas County. The following 12 species, none of which were common, were also new county records: Gomphus lividus Selys, Stylgomphus albistylus (Hagen), Lanthus parvulus (Selys), Cordulegaster maculatus Selys, Cordulegaster obliqua (Say), Neurocordulia yamashanensis (Provancher), Somatochlora linearis (Hagen), Libellula quadrimaculata L., Sympecma obrusum (Hagen), Chromagrion conditum (Hagen), Enallagma signatum (Hagen), Ischnura posita (Hagen).

¹Lanthus parvulus had not yet been recorded from Ohio, although it had been collected in 9 of the 22 western counties of Pennsylvania (Ahrens et al. 1968) and in Kentucky (Needham and Westfall 1955). A single nymph of L. parvulus was collected in Warwick township in a tiny (0.3 m wide, 0–15 cm deep) stream almost overgrown by grass, with a bottom composed of crushed-rock spoil from an old strip-mine operation. This collection brings the number of species of Odonata now known from Ohio to 152.

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LITERATURE CITED


