

Tingoidea (Hemiptera) of Tippecanoe County, Indiana¹

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Only two Tingoidea, or lace bugs, have previously been reported from Tippecanoe County. Davis (2) reported *Corythucha marmorata* (Uhler) abundant on chrysanthemum in Lafayette, and (3) *C. ciliata* (Say) abundant in Lafayette. Blatchley (1) gives some general distribution records of the Tingoidea in Indiana but does not mention Tippecanoe County.

Examination of a personal collection and three Purdue University collections revealed a total of thirteen species, encompassing four genera and two families, occurring in Tippecanoe County. One new record was obtained for Indiana.

List of the Species of Tingoidea Occurring in Tippecanoe County, Indiana, with Their Principal Hosts.

Piesmidae

Piesma cinerea (Say), 1831. On *Amaranthus* sp. (pigweed).

Tingidae

Gargaphia solani Heidemann, 1914. On *Solanum melongena* (egg-plant).

Gargaphia tiliae (Walsh), 1864. On *Tilia americana* (basswood).

Corythucha aesculi Osborn & Drake, 1916. On *Aesculus glabra* (Ohio buckeye).

Corythucha arcuata (Say), 1832. On *Quercus alba* (white oak), and *Quercus Muhlenbergii* (chinquapin oak).

Corythucha associata Osborn and Drake, 1916. On *Prunus serotina* (black cherry).

Corythucha celtidis Osborn and Drake, 1916. On *Celtis occidentalis* (hackberry).

Corythucha ciliata (Say), 1832. On *Platanus occidentalis* (sycamore).

Corythucha cydoniae (Fitch), 1861. On *Crataegus* spp. (hawthorn).

Corythucha juglandis (Fitch), 1857.

Corythucha marmorata (Uhler), 1878. On *Solidago* sp. (goldenrod), *Aster* sp. (aster), and *Helianthus tuberosus* (Jerusalem artichoke).

Corythucha ulmi Osborn and Drake, 1916. On *Ulmus americana* (American elm), *Ulmus fulva* (slippery elm), and *Ulmus glabra camperdowni* (camperdown elm).

Physatocheila brevirostris Osborn and Drake, 1916. (This species has heretofore been unrecorded from Indiana.)

Literature Cited

1. BLATCHLEY, W. S. 1926. Heteroptera or True Bugs of Eastern North America. Nat. Pub. Co., Indianapolis.
2. DAVIS, J. J. 1932. Insects of Indiana for 1932. Proc. Ind. Acad. Sci. 42:222.
3. DAVIS, J. J. 1934. Insects of Indiana for 1934. Proc. Ind. Acad. Sci. 44:204.

1. This is a part of an undergraduate thesis submitted to Purdue University in partial fulfillment for the degree of Bachelor of Science in Agriculture.