

New Records of Lace Bugs from West Virginia (Hemiptera: Tingidae)

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Abstract

New West Virginia state records for 13 species of Tingidae are reported. Collection localities and hosts, when known, are also recorded.

Little work has been done in the past on the Tingidae occurring in West Virginia. Examination of collections at the West Virginia Department of Agriculture, Charleston (WVDA), West Virginia University, Morgantown (WVUC), and Marshall University, Huntington (MUHC), plus recent collecting efforts, have resulted in the discovery of 13 species not recorded for West Virginia by Drake & Ruhoff (1965) or Henry & Froeschner (1988).

In the following list, collecting localities, specimen repositories, hosts when known, and common name, if any, are recorded.

- Corythuca associata* Osborn & Drake: Greenbrier Co., Coldwell, 8-VII-1988, on ornamental cherry (*Prunus* sp.). (WVDA). Wild cherry lace bug.
- Corythuca celtidis* Osborn & Drake: Mason Co., Lakin, 20-IV-1988, blacklight trap (WVDA); Monongalia Co., 3-XI-1976 (WVUC). Hackberry lace bug.
- Corythuca ciliata* (Say): Cabell Co., Huntington, 11-VII-1983, 22-VI-1974, 7-VII-1980 (MUHC); Putnam Co., Scott Depot, 25-VII-1987 (MUHC); Mason Co., Gallipolis Ferry, 24-VI-1987 (MUHC); Hardy Co., 8-VII-1977, malaise trap (WVUC); Monongalia Co., Morgantown, 5-V, 10-VIII (WVUC); Wayne Co., Beech Fork Lake, 5-VIII-1988, on *Platanus occidentalis* (WVDA). Sycamore lace bug.
- Corythuca juglandis* (Fitch): Mason Co., McCausland, 27-VII-1988, on *Juglans nigra* (WVDA); Kanawha Co., Guthrie, 6-VII-1988, on *Carya* sp. (WVDA). Walnut lace bug.
- Corythuca mollicula* Osborn & Fitch: Monongalia Co., no locality, 17-VII-1974, on *Salix*; 16-V-1973 (WVDA, WVUC).
- Corythuca pruni* Osborn & Drake: Lincoln Co., nr. Alum Creek, 7-IV-1986; Branchland, 7-IV-1985 (WVDA); Putnam Co., Sleepy Hollow, 1-V-1977, blacklight trap (WVDA); Preston Co., no locality, 3-VI-1976 (WVUC); Monongalia Co., Morgantown, 16-V-1973, on *Prunus*

serotina (WVUC); Berkeley Co., Martinsburg, 12-VII-1977 (WVUC); Wayne Co., Beech Fork Lake, 5-VIII-1988, on *Cercis canadensis* (WVDA).

Corythuca ulmi Osborn & Drake: Kanawha Co., Guthrie, 6-VII-1988, on *Ulmus* sp. (WVDA). Elm lace bug.

Gargaphia solani Heidemann: Monongalia Co., Morgantown, 13-VIII (WVDA, WVUC). Eggplant lace bug.

Hesperotingis illinoiensis Drake: Mason Co., McCausland, 28-VI-1988, sweeping in soybean fields (WVDA).

Melanorhopala clavata Stål: Wayne Co., Beech Fork Lake, 30-V-1988, sweeping in *Solidago* sp. fields (WVDA).

Physatocheila brevirostris Osborn & Drake: Preston Co., no locality, 10-VI-1977 (WVUC); Pocahontas Co., 26-VI-1979 (WVUC).

Stephanitis pyrioides (Scott): Kanawha Co., St. Albans, 30-V-1988, on *Rhododendron* sp. (WVDA). Azalea lace bug.

Stephanitis takeyai Drake & Maa: Kanawha Co., Charleston, 25-VII-1988, on *Pieris japonica* (WVDA). Andromeda lace bug.

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References

- Drake, C.J., & F.A. Ruhoff. 1965. Lacebugs of the world: a catalog (Hemiptera: Tingidae). U.S. Nat. Mus. Bull. 243:1-634.
- Henry, T.J., & R.C. Froeschner, eds. 1988. Catalog of the Heteroptera, or true bugs, of Canada and the continental United States. E.J. Brill, Leiden. 958 pp.