

NOTE

Expanding Ranges for Four Species of Invasive Sawflies
(Hymenoptera: Tenthredinidae) in Eastern United States

Malaise trap collecting in the mid-Atlantic states has resulted in several significant southern range extensions in the eastern United States for four species of adventive sawflies. These collections indicate that these species continue to expand their ranges in North America since they were first discovered. All four species are apparently of European origin and follow a similar pattern of introduction. All were originally recorded from the northeastern United States or southeastern Canada, and three were independently introduced into British Columbia. Here I report the first records for three species south of the state of New York and one species new to Maryland. All four species are known now from as far south as about the latitude of Washington, DC. No specimens were found in 14 years (1986–1999) of extensive Malaise trap collecting approximately 100 miles south of Washington, DC, in Louisa and Essex counties Virginia.

Specimens are deposited in the National Museum of Natural History, Smithsonian Institution, Washington, DC.

Hoplocampa testudinea (Klug) (Tenthredinidae: Nematinae) (European apple sawfly).—This pest of apple was first recorded from Long Island, NY, in 1939 and British Columbia in 1940 (Pyenson 1943). It has since been recorded from CT, MA, NH, NJ, VT, and RI (Smith 1979), and more recently from PA (anonymous 2002a) and the Kearneysville area of WV (anonymous 2002b). Some records may be based on larvae or the characteristic damage to apple fruits within which the larvae live and feed; young larvae leave a winding feeding scar on the surface and older larvae bore deeply into the core, usually causing mid-season fruit abortion (Weires 2001). Though the

damage attributed to this sawfly is probably correct, I prefer to base records on adults even though they are short-lived and more difficult to find than the damage or larvae. The following, based on one female, is the first record for Maryland and the most southerly record known.

Records: MARYLAND: Montgomery Co., 4 mi SW of Ashton, 39°06'30"N, 77°01'30"W, Malaise trap, 18 April 2002, G. F. Hevel.

Allantus viennensis (Schrank) (Tenthredinidae: Allantinae).—This species feeds on *Rosa* spp., and occurs on cultivated roses. It was first reported from the area of Ithaca, NY (Smith 1975), and from the same locality by Smith (1979). The second collection is from my residence in Fairfax Co., VA, where I reared this species from larvae feeding on cultivated roses in 1982. It has subsequently been collected in a trap in back of the house as well as from other collection sites in northern Virginia and West Virginia, indicating that it is well established and generally distributed in this area. There are several generations a year; specimens have been taken from April through August.

Records: VIRGINIA: Clarke Co., University of Virginia Blandy Experimental Farm, 1 mi. S Boyce, 39°05'N, 78°10'W, Malaise trap, D. R. Smith (many specimens each year, 1990–1995); Fairfax Co., near Annandale, 38°50'N, 77°12'W, D. R. Smith (first reared in 1982 and subsequently taken from roses and in a Malaise trap for a number of years from 1983–1997); Loudoun Co., near junction of Goose Cr. and Sycolin Road, Malaise trap, C. J. Anderson (collected each year, 1998–2000); 12969 Taylortown Road, Malaise trap, C. J. Anderson (2000). WEST VIRGINIA: Hardy Co.,

3 mi NE of Mathias, 38°55'N, 78°49'W (collected in 2000 and 2001).

Nesoselandria morio (Fabricius) (Tenthredinidae: Selandriinae).—This species, the larvae of which feed on mosses (Vikberg and Nuorteva 1997), was first recorded in North America from Ontario, Quebec, and British Columbia (Smith 1967), and subsequently recorded from NH (Smith 1969), and NY (Smith 1979). It also occurs in Maine (Franklin Co., 1967) and Michigan (Dickinson Co., 1982, 1983; Baraga Co., 1981). The earliest North American record I have seen is "Sclaterville Wild Flower Preserve, New York, May 27, 1938." Collections now establish this species in Maryland and Virginia. The trap in Fairfax Co., VA, has been run in the same place since 1981, but it wasn't until the nineteenth season that the species was collected.

Records: MARYLAND: Garrett Co., Finzel Swamp, 2 km S Finzel, 39°38'N, 79°00'W, V-21-30-1992, VI-30-VII-10-1993, Malaise trap, E. Barrows and D. R. Smith. VIRGINIA: Fairfax Co., near Annandale, 38°50'N, 77°12'W, VIII-5-11-2001, VI-16-22-2002, D. R. Smith.

Heptamelus ochroleucus (Stephens) (Tenthredinidae: Selandriinae).—Benson (1962) first recorded this species from British Columbia from specimens collected in 1953. Smith (1969) saw only the specimens Benson recorded, and Smith (1979) recorded it only from British Columbia. According to Benson (1952) larvae bore downwards in the stems of ferns of the genera *Athyrium*, *Polypodium*, and *Blechnum*, but the species appears to prefer *Athyrium* (Shaw and Bailey 1991). The first eastern North America record I have seen is from New York, Westchester Co., Armonk, Calder Center, V-30-VI-5-1974. I have collected specimens from Maryland and Virginia. Most records are April, May, and June, with a few from August and September.

Records: MARYLAND: Prince Georges' Co., Beltsville Agricultural Research Center, 39°02'N, 76°52'W, D. R. Smith (1992

and 1993). VIRGINIA: Fairfax Co., near Annandale, 38°50'N, 77°12'W (many specimens, first collected in 1984 and in most years to the present).

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REGULAR MEETINGS, 2002–2003

October 3, 2002. Thomas J. Henry, Systematic Entomology Laboratory, USDA, Washington, DC. “Ecuadorian Bug-Collecting Adventures: From the Amazon to the Andes”

November 7, 2002. Michael Gates, Systematic Entomology Laboratory, USDA, Washington, DC. “Eurytomidae (Hymenoptera: Chalcidoidea): Morphology, Phylogeny, and the New Mexico Bootheel”

December 4, 2002. Daniel H. Janzen, University of Pennsylvania, Philadelphia. “How to Find All the Species of Caterpillars in a Large, Complex Tropical Habitat”

January 9, 2003. Gabriela Chavarria, National Wildlife Federation, Reston, VA. “Capitol Hill-Topping in D.C. and Conservation Policy”

February 6, 2003. Rob Raguso, University of South Carolina, Columbia. Sphingids and Fragrance (general topic).

March 6, 2003. Stuart H. McKamey, Systematic Entomology Laboratory, USDA, Washington, DC. “Hopp(er)ing through Mexico and Venezuela: Adventures in Leafhopper-Hunting”

April 3, 2003. David A. Nickle, Systematic Entomology Laboratory, USDA, Beltsville, MD. “Life in a Rainforest Canopy: An In-Depth Study of Amazonian Grasshoppers, Katydid, and Termites”

May 1, 2003. Barry Knisley, Randolph-Macon College, Ashland, VA. “Tiger Beetle Conservation: Case Studies with Impacts, Management and Natural History”

Meetings at 7:00 PM, Cathy Kerby Seminar Room (CE-340)
National Museum of Natural History
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Meetings Open to the Public

New Literature, Specimen Demonstrations, Ento-T-Shirts, etc. Welcome
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