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**New State Records for *Perillus strigipes*
(Heteroptera: Pentatomidae: Asopinae)**Edwin L. Freese¹**Abstract**

The stink bug *Perillus strigipes* is reported from Alabama, Iowa, Kansas, Louisiana, Maine, and Mississippi for the first time. This insect species has a wide distribution but generally is seldom collected.

A specimen of *Perillus strigipes* (Herrich-Schaeffer, 1851) was collected in flight by the author on 24 March 2012 while walking along a wooded bike trail on a warm sunny afternoon at Cherry Glen Recreation Area on the eastern shore of Saylorville Reservoir, Polk County, Iowa. A check of references indicated this species was known from Missouri (Froeschner 1941, Sites et al. 2012) and Illinois (McPherson 1978, 1979, 1980, 1982), and may be a new Iowa state record (Osborn 1892; Osborn and Ball 1897; Stoner 1920; Slater 1950; McPherson 1980, 1982; Froeschner 1988). This was later confirmed by e-mails (McPherson, Rider, Krauth, pers. comm.) and identification of the specimen was confirmed by Chordas (pers. comm.).

Gottlieb August Wilhelm Herrich-Schaeffer first described this insect as *Podisus strigipes* during 1851 (Herrich-Schaeffer 1851; Thomas 1990, 1992; Sherborn 1914). Later in 1867, Carl Stål moved this species to his new genus *Mineus*, which was created specifically for this species (Stål 1867; Thomas 1990, 1992), and more recently, Hoffman (1971) moved this species to its present genus *Perillus* Stål, 1867; Thomas (1990, 1992) corroborated this generic transfer. Froeschner (1988) listed the distribution of *Mineus strigipes* as AZ, CO, CT, DC, FL, GA, IL, IN, KY, MA, MD, MI, MO, NC, NJ, NM, NY, OH, OK, SC, TX, and VA; however the record from Pennsylvania (Wirtner 1904) as well as the generic name change to *Perillus* by Hoffman (1971) apparently was missed. Willis S. Blatchley (1926) reported only one specimen from Indiana and McPherson (1982) listed this species as rare in Illinois. Hoffman (pers. comm.) indicated that this species “must be quite rare here [in Virginia].”

Further inquiries located more Iowa specimen records of *Perillus strigipes*. A specimen collected 10 July 1932 at Ottumwa, Wapello County, Iowa, by Hazel Beck, was located in the Wisconsin Insect Research Collection, University of Wisconsin, Madison; however no specimens from Wisconsin have been reported (Krauth, pers. comm.). Another Iowa specimen was located on the internet (<http://bugguide.net/node/view/734241>, determined by D. B. Thomas) posted 30 December 2012 by M. J. Hatfield; the specimen was collected in a grasslands sweep sample from a “patch-burn grazing” Grand River Grasslands prairie restoration project, 2 July 2009, Kellerton Area, Ringgold County, Iowa, and the specimen is deposited in the Iowa State University Insect Collection, Ames (Hatfield, Debinski, Courtney, pers. comm.). One more specimen was collected at Folsom Point Preserve, Mills Co., Iowa, 5 July 2013, sweeping prairie plants,

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Ed L. Freese. Five more Iowa specimens were located in the Iowa Insect Survey Collection at Iowa Wesleyan College, Mt. Pleasant: Henry Co., Iowa, 8 May 1930, McGavie; Mt. Pleasant, Iowa, 28 April 1934, Knutson; Mt. Pleasant Ia, Sept 1934, Alston; Henry Co., Iowa, 1 March 1936, J. M. Weir; Henry Co., Iowa, 5 August 1942, R. McDowell.

Two specimens located in the University of Arkansas Arthropod Museum, Fayetteville, collected 3 May 1952 and 11 May 1952, Baton Rouge, Louisiana, represent a new Louisiana state record; however no specimens from Arkansas have been reported (Barnes, pers. comm.). Three more Louisiana specimens that were collected by Joe Eger, 30 June 1976 (St. Landry Parish), 3 October 1976 (East Baton Rouge Parish), and 18 May 1978 (West Baton Rouge Parish), were located in a private collection (Eger, pers. comm.). Several more Louisiana specimens were located in the personal collection of David Rider (pers. comm.): East Baton Rouge Parish, Baton Rouge, 9 October 1982 (1 ♀ female), 6 November 1982 (1 ♀), 27 April 1983 (2 ♀, night sweeping), 11 October 1985 (2 ♀), 15 October 1985 (1 ♀), 17 October 1985 (1 ♀), D. A. Rider; Evangeline Parish, Ville Platte, 6 August 1987 (1 ♂), E. G. Riley; Iberville Parish, St. Gabriel Experiment Station, 15 September 1984 (1 ♂), 26 September 1984 (1 ♂), D. A. Rider; Livingston Parish, Frost, 25 April 1981 (1 ♀), E. G. Riley; Natchitoches Parish, Kisatchie National Forest, Red Bluff Campground, 11 April 1984 (1 ♀), E. Riley; St. Landry Parish, 7 September 1973 (1 ♀), 11 September 1973 (1 ♂), no collector on label. Two more Louisiana specimens were located in the University of Kansas collections (J. C. Thomas, pers. comm.): Beauregard Parish, Louisiana, 9 August 1928, R. Beamer; Cameron Parish, Louisiana, 17 June 1948, McDermott.

New state records for Alabama and Mississippi were also found in the personal collection of David Rider (pers. comm.): Lee Co., Alabama, Student Garden Plots, 24 June 1982 (1 ♀), D. A. Rider; Yazoo Co., Mississippi, 28 June 1984 (1 ♀), D. A. Rider. No specimens from Mississippi were located in two university collections (Lago, Worthington, Schiefer, pers. comm.).

Two specimens reported from the University of Kansas collections represent a new state record for Kansas (J. C. Thomas, pers. comm.): Sumner Co., Kansas, 1916, R. Beamer; Leavenworth Co., Kansas, 1924, R. Beamer. No specimens from Nebraska were located in the University of Nebraska Insect Collection (Paulsen, Spomer, pers. comm.).

Another new state record for Maine was also first located on the internet (<http://bugguide.net/node/view/450611>, identified by Tom Murray): a nymph was collected 1 September 2010 by Brandon Woo sweeping tall grass and plants in a field at Kennebunk, York County, Maine, and the nymph molted to an adult on 2 September 2010. Both life stages were photographed, and the specimen currently resides in the Brandon Woo personal collection (Woo, pers. comm.).

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