

Shorter Contributions

Banisteria, Number 51, pages 59-60
© 2018 Virginia Natural History Society

Three Checkered Beetles (Coleoptera,
Cleridae) New to Virginia and Additional
Records for *Phyllobaenus verticalis* (Say)
and *Wolcottia pedalis* (LeConte)

Brent W. Steury
U.S. National Park Service
700 George Washington Memorial Parkway
Turkey Run Park Headquarters
McLean, Virginia 22101

John M. Leavengood, Jr.
United States Department of Agriculture
APHIS, PPQ
9325 Bay Plaza Blvd, Suite 206
Tampa, Florida 33619

ABSTRACT

The checkered beetles (Coleoptera, Cleridae) *Isohydnocera curtipennis*, *Phyllobaenus pallipennis*, and *Phyllobaenus unifasciatus* are documented for the first time from Virginia. Additional Virginia records are provided for *Phyllobaenus verticalis* and *Wolcottia pedalis*, two species recently reported from the Commonwealth.

Keywords: *Isohydnocera curtipennis*, new state record, *Phyllobaenus pallipennis*, *Phyllobaenus unifasciatus*.

Examination of specimens of checkered beetles (Coleoptera, Cleridae) on loan from collections at the California Academy of Sciences (CASC; San Francisco, CA), Carnegie Museum of Natural History (CMNH; Pittsburgh, PA), Florida State Collection of Arthropods (FSCA; Gainesville, FL), United States National Museum of Natural History, Smithsonian Institution (NMNH; Washington, DC), and the Robert A. Androw Collection (RAAC; Gibsonsia, PA) uncovered three species new to Virginia and additional records for two species recently documented from the Commonwealth. Additional specimens determined as *Phyllobaenus pallipennis* (Say) and *P. unifasciatus* (Say) were found

in the entomological collections at the Virginia Museum of Natural History (VMNH; Martinsville, VA). No specimens of the species reported below were found in the collection at Virginia Tech (VTEC; Blacksburg, VA). State record determinations are based on reviews of Knull (1951), Downie & Arnett (1996), Hoffman et al. (2002), Leavengood (2008), and Burke et al. (2015).

VIRGINIA

Isohydnocera curtipennis (Newman) – Mecklenburg Co.: Kerr Dam, June 1974, D. Richman (NMNH, 1). Montgomery Co.: Radford environs, 5 June 1969, J. B. Karren (NMNH, 1). **NEW STATE RECORD.**

This species has been recorded from Ontario, Canada, south to Florida, and westward to Kansas, although there is some confusion as to whether past literature referred to *I. curtipennis* or a member of *Phyllobaenus* (Leavengood, 2008).

Phyllobaenus pallipennis (Say) – Augusta Co.: Mt. Elliott, 20 June 1934, H. A. Allard (NMNH, 1); George Washington National Forest, 5 miles (8 km) west of Stokesville, 1 October 1998, B. Flamm (VMNH, 5); same location and collector, 10 October 1998 (VMNH, 1), and 15 October 1998 (VMNH, 3). Bath Co.: Cowpasture River, Route 629 bridge, 18 August 1999, S. M. Roble (VMNH, 1); Warm Springs Mountain, Bald Knob, pine barren, 4200 ft (1280 m), Malaise trap, 20 August–1 September 1999, S. M. Roble, (VMNH, 1). Dickenson Co.: Breaks Interstate Park, 1–14 July 2000, R. Vigneault (VMNH, 1). Essex Co.: 1.5 km southeast of Dunnsville, 11 July 1991, D. R. Smith, (VMNH, 1). Fauquier Co.: Bull Run Mountain, 30 July 1998, Hobson, Chazal, & Fleming (VMNH, 1). Floyd Co.: Buffalo Mountain, 3500 ft (1067 m), 27 August 1994, VMNH Survey (VMNH, 1). Madison Co.: 10–20 miles (17–32.2 km) south of Rt. 211, Skyline Drive, beating *Quercus alba*, 27 July & 29 July 1951, G. H. Nelson (FSCA, 2). Prince William Co.: Prince William Forest Park, loop road, oak site, 17 March 1989, D. A. Young (VMNH, 1). City of Chesapeake: Northwest River Park, 5 miles (8 km) southeast of Hickory, 5–16 July 2004, R. Vigneault (VMNH, 1). City of Virginia Beach: First Landing State Park, 23 June–6 July 2003, R. Vigneault, (VMNH, 2), same site, dune woodland, 16 June 2007, S. M. Roble & B. M. Roble, (VMNH, 2). **NEW STATE RECORD.**

Phyllobaenus pallipennis has been recorded from Ontario, Canada, south to Florida, and west to Texas and Colorado (Leavengood, 2008).

Phyllobaenus unifasciatus (Say) – Augusta Co.: George Washington National Forest, 1 mile (1.6 km) northwest of Craigsville, Malaise trap, 23-29 June 1998, J. Strazanac (RAAC, 1). Bath Co.: Warm Springs Mountain, Bald Knob, pine barrens, 4200 ft (1280 m), Malaise trap, 20 August–1 September 1999, S. M. Roble (VMNH, 1). Dickenson Co.: Breaks Interstate Park, 20-25 May 2001, R. Vigneault & P. Harrison (VMNH, 1); same site, 1–14 July 2000, R. Vigneault (VMNH, 1). Fairfax Co.: on pine, 1930, A. Nicolay (CASC, 1). Louisa Co.: 4 miles (6.4 km) south of Cuckoo, Malaise trap, 6–13 June 1986, D. R. Smith (VMNH, 1). Wythe Co.: Sand Mountain, boggy stream, Malaise trap, 23 July–5 August 1998, Roble & Hobson (VMNH, 1); same site and collectors, UV light, 23 July 1998 (VMNH, 1). **NEW STATE RECORD.**

Phyllobaenus unifasciatus has been reported from Ontario, Canada, south to Florida, and west to Arizona and Colorado (Leavengood, 2008).

Phyllobaenus verticalis (Say) – The first Virginia report of this species was made by Steury & Leavengood (2018). Older Virginia records are: Fairfax Co.: Burke, 15 June 1989, R. D. Ward (CMNH, 1); Giles Co.: Mountain Lake area, 28 July 1968, H. Greenbaum (FSCA, 1); Prince William Co.: 16 May 1976, R. D. Ward (CMNH, 1); [City of Virginia Beach]: Munden, beating maple, 9 May 1952, G. H. Nelson (FSCA, 2).

This species has also been recorded from Ontario (Toronto), Canada, south to Florida, and west to Texas and South Dakota (Leavengood, 2008).

Wolcottia pedalis (LeConte) – The first Virginia record of this species was documented by Hoffman et al. (2002). Additional records are: Augusta Co.: George Washington National Forest, plot #2 site #1, 12 June 1995, Malaise trap, L. Butler & J. Strazanac (CMNH, 1); same collectors, plot #3, site #6, 28 June 1999, Malaise trap (CMNH, 1); same site and collectors, 5 July 1999, Malaise trap (CMNH, 1); George Washington National Forest, 1 mile (1.6 km) northwest of Craigsville, 1–7 July

1997, J. Strazanac (RAAC, 1).

This species has been documented from Wisconsin, south to Virginia, and west to Nebraska (Downie & Arnett, 1996).

ACKNOWLEDGMENTS

Specimen loans were facilitated by Chris Grinter and David H. Kavanaugh (CASC), Paul E. Skelley and Kyle Schnepf (FSCA), Bob Androw and Robert Davidson (CMNH, RAAC), and Natalia Vandenberg and David Furth (both retired, NMNH). Reviews of the collections at VMNH and VTEC were provided by Kal Ivanov (VMNH) and Paul Marek and Jackson Means (VTEC). Steven M. Roble, Virginia Department of Conservation and Recreation, Division of Natural Heritage, provided helpful comments on the draft manuscript.

LITERATURE CITED

- Burke, A. F., J. M. Leavengood, Jr. & G. Zolnerowich. 2015. A checklist of the New World species of Tillinae (Coleoptera: Cleridae), with an illustrated key to genera and new country records. *Zootaxa* 4059: 1–39.
- Downie, N. M., & R. H. Arnett, Jr. 1996. *The Beetles of Northeastern North America, Volume II. The Sandhill Crane Press, Gainesville, FL. Pp. 891–1721.*
- Hoffman, R. L., S. M. Roble, & W. E. Steiner, Jr. 2002. Thirteen additions to the known beetle fauna of Virginia (Coleoptera: Scirtidae, Bothrideridae, Cleridae, Tenebrionidae, Melyridae, Callirhipidae, Cerambycidae, Chrysomelidae). *Banisteria* 20: 53–61.
- Knull, J. N. 1951. The checkered beetles of Ohio (Coleoptera: Cleridae). *Ohio Biological Survey Bulletin* 8: 268–350.
- Leavengood, J. M., Jr. 2008. *The checkered beetles (Coleoptera: Cleridae) of Florida. M. S. thesis, University of Florida, Gainesville, FL. 206 pp.*
- Steury, B. W., & J. M. Leavengood, Jr. 2018. Annotated checklist of checkered beetles from the George Washington Memorial Parkway, Virginia (Coleoptera, Cleridae). *Banisteria* 51: 52–58.