

**THE POLYPORE FUNGUS BEETLES (COLEOPTERA: TETRATOMIDAE)
OF SOUTH CAROLINA, USA, INCLUDING A BIBLIOGRAPHY FOR SPECIES
OF THE USA AND CANADA**

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ABSTRACT

The polypore fungus beetles (Coleoptera: Tetratomidae) are a small family that typically feed and breed on the fruiting bodies of various Agaricomycetes (Basidiomycota) fungi. Ten genera and about 30 species are known from the United States and Canada. An updated list and within-state distribution for the 12 species of Tetratomidae known from South Carolina is presented. Six of the 12 species are represented by fewer than 10 museum specimens. BugGuide.net and iNaturalist.org only host 13 photographs of Tetratomidae from South Carolina. An updated state-level distribution for all species of Tetratomidae in the United States and Canada is provided, with a bibliography of all works mentioning each species.

Keywords: distribution, saproxylic, Tenebrionoidea

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I promise nothing complete; because any human thing supposed to be complete, must for that very reason infallibly be faulty.

— Herman Melville, *Moby-Dick; or, The Whale*

INTRODUCTION

The polypore fungus beetles (Tetratomidae) consist of approximately 155 species within 13 genera arranged into five subfamilies, worldwide (Nikitsky 1998). The family occurs in the Holarctic, Neotropical, Afrotropical, and Madagascan regions but is absent from Australia (Lawrence and Leschen

2010). In North America north of Mexico, there are about 30 species within 10 genera (Bousquet *et al.* 2013; Pollock 2012; Young and Pollock 2002).

Tetratomidae were first recognized as a family by Crowson (1955). They were previously placed within several tribes of the families Melandryidae and Mycetophagidae (Nikitsky 1998; Young and Pollock 2002). Members of the family are small to medium-sized, 2.5–17 mm long, and often have a thick clothing of setae on the dorsal surface (Lawrence and Leschen 2010).

Larval and adult tetratomids are fungivorous and typically feed and breed on the fruiting bodies of

various Agaricomycetes (Basidiomycota), specifically Polyporaceae (Polyporales) and Tricholomataceae (Agaricales) (Lawrence and Leschen 2010; Young and Pollock 2002). Where life histories are known, eggs are laid in the autumn, and larvae feed within the fungal fruiting bodies throughout winter and drop to the ground to pupate during spring or summer (Lawrence and Leschen 2010). Common collection methods include searching fungi at night, and some species have been collected with Lindgren funnels (Young and Pollock 2002).

Tetratomids are generally not economically important, although three species have been reported from the eatable oyster mushroom, *Pleurotus ostreatus* (Jacq. ex Fr.) P. Kumm. (Pleurotaceae) (Cline and Leschen 2005). Some European species are included in the Index of Ecological Continuity because of their saproxylic niche (Alexander 2004).

Works dealing with North American Tetratomidae after Young and Pollock (2002) include: Tetratomidae of the Maritime provinces of Canada (Majka and Pollock 2006); new records from New Brunswick, Canada (Webster *et al.* 2012); a review of the Eustrophinae of Canada (Pollock 2008) and North America (Pollock 2012); and a checklist of the family for Arizona (Johnston *et al.* 2024b). Kirk (1969, 1970) provided a preliminary checklist of Tetratomidae for South Carolina. Ciegler (2014) treated the family for South Carolina and provided a key to species, listing 13 species within eight genera. The purpose of this research is to update the status of the family in South Carolina and provide specimen-level distributional data.

MATERIALS AND METHODS

Tetratomidae were examined from the following collections:

- CUAC** Clemson University Arthropod Collection (Clemson, SC, USA; Michael L. Ferro)
- AMDC** Anthony Martin Deczynski personal collection (Starkville, MS, USA)
- NCSU** North Carolina State University Insect Collection (Raleigh, NC, USA; Gareth Powell)
- NDSU** North Dakota State University (Fargo, ND, USA; David A. Rider)

Ciegler (2014) examined material from 11 institutions and private collections for specimens. She was not able to examine North Dakota State University's collection, which contained Kirk's (1969, 1970) South Carolina specimens. Deczynski's personal collection was compiled largely after 2014. The present research concentrated on specimens at CUAC and those that were not examined by Ciegler (2014). Specimens held in state collections in bordering Georgia and North Carolina were included.

No specimens of Tetratomidae collected in South Carolina were found in the University of Georgia Collection of Arthropods (UGCA), Athens, GA, USA. Specimens collected in South Carolina held by NCSU were included.

Specimens were identified using Ciegler (2014) and Pollock (2012). All tetratomid specimens from the Clemson University Arthropod Collection (CUAC) were databased and uploaded to SCAN (<https://scan-bugs.org>). Additional specimens were obtained from recent black-light collecting and by-catch from the South Carolina Forest Pine Beetle Survey and the South Carolina Cerambycidae Survey. Those specimens are deposited in the CUAC. Images were taken using a Canon EOS 7D camera with Kenko extension tubes (12 mm, 20 mm, 36 mm) and a Canon MP-E 65-mm lens. The programs Helicon Remote version 3.9.7 W and Helicon Focus version 7.0.2 Pro (Helicon Software Ltd.) were used to obtain image stacks and render focused images. Resultant images were optimized using Adobe Photoshop CC 19.0. Maps were created using www.gpsvisualizer.com.

Verbatim label data are given for all identified specimens examined in Appendix 1. Specimens are separated by a bullet (•), line breaks are indicated by a backslash (\), multiple labels are separated with two backslashes (\\), and the lending institution is indicated using the collection abbreviation. The citizen-science photo-aggregation websites iNaturalist.org and BugGuide.net host several photographs of Tetratomidae taken at various locations in South Carolina. The photographed specimens have not been physically examined, may not have been deposited into museums, and may no longer exist. However, the photographs unambiguously represent these species and are available for future examination. Herein, we reference those photographs as supplemental records for these species. The URL for each page of a "specimen" and its respective image on iNaturalist begins with <www.inaturalist.org/observations/> and is designated with a unique eight-digit "page number". For example, <www.inaturalist.org/observations/74858616> displays an image taken on 21 April 2021, submitted by user "torgos216". For each record taken from iNaturalist below, the date of observation and unique eight-digit page number will be provided to designate specimens, e.g., "[iN.12345678]". BugGuide links work in a similar fashion, but in that case the "page number" is seven digits, e.g., "[BG.1234567]".

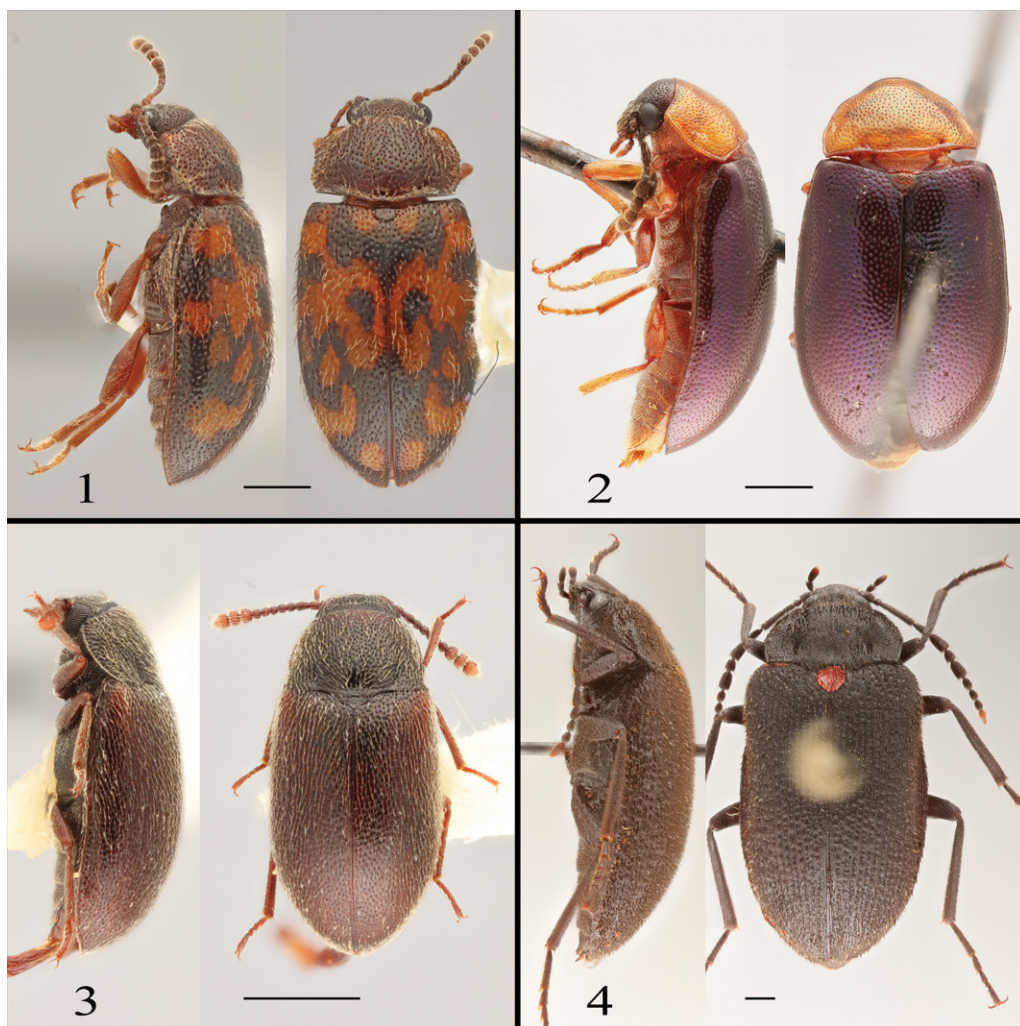
RESULTS

A total of 255 physical specimens, 10 photographic specimens on iNaturalist, and three photographic specimens on BugGuide were examined, representing 10 of the 13 species of Tetratomidae

reported from South Carolina (Appendix 1). Two species reported from South Carolina in the literature were not represented in the specimens examined: *Eustrophopsis brunneimarginatus* (Dury) was reported from the Piedmont region of the state (Ciegler 2014), and *Pisenus humeralis* (Kirby) was reported from the Coastal Plain (Ciegler 2014). Specimens of those species must have been examined by Ciegler (2014) but were not examined herein. Ciegler (2014) reported two specimens of *Hallomenus puncticollis* (Blatchley) from South Carolina. Those specimens are present in the CUAC and superficially resemble Blatchley's (1917) description. However, with the exception of Ciegler's (2014) record, no specimens of *H. puncticollis* have been reported in the literature since its description

(see Appendix 2). *Hallomenus* Panzer is in need of revision and the specimens in question may be a lighter form of *Hallomenus scapularis* Melsheimer (Darren Pollock, personal communication; Johnston *et al.* 2024b also noted color variation in this species). Those specimens were tentatively placed in *H. scapularis*. For the accounts below, the specimen data in Appendix 1 were summarized to include number of specimens examined, months of collection, counties of occurrence, and capture data.

In order to adequately accomplish the small goal of knowing which species are reported from South Carolina in the literature, a bibliography for all North American species, including updated state- and province-level distributions, was created (Appendix 2).



Figs. 1–4. Tetratomidae, lateral and dorsal habitus. 1) *Tetratoma tessellata* (SC: Florence Co., 18 January 1960; NDSU); 2) *T. truncorum* (CUAC000170714); 3) *Pisenus humeralis* (CUAC000170727); 4) *Penthe obliquata* (CUAC000161861). Scale bars = 1 mm.

South Carolina Tetratomidae Species Accounts

Tetratominae

***Tetratoma tessellata* Melsheimer, 1844** (Figs. 1, 13)

1 specimen. January. County: Florence. In hollow tree.

***Tetratoma truncorum* LeConte, 1866** (Figs. 2, 13)

2 specimens. October. Counties: Florence, Pickens. Under dead oak bark.

Ciegler (2014) conjectured that Kirk's (1969) report was in error. We examined the specimen and agree with Kirk's identification.

Piseninae

***Pisenus humeralis* (Kirby, 1837)** (Figs. 3, 13)

No specimens were found in the examined collections. Ciegler (2014) reported the species from Florence Co., February and October, on a polypore and in a hollow tree.

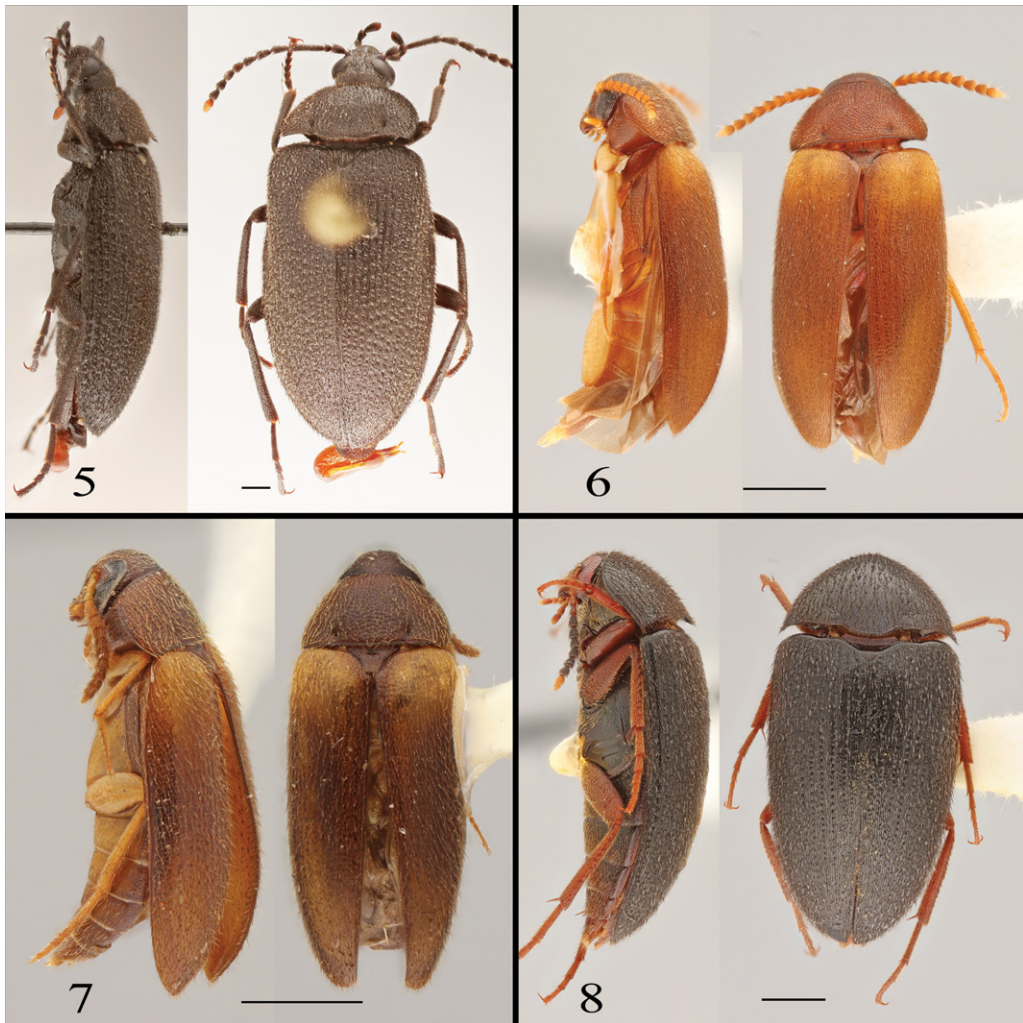
Penthinae

***Penthe obliquata* (Fabricius, 1801)** (Figs. 4, 14)

60 specimens. January–December. Counties: Abbeville, Aiken, Anderson, Charleston, Darlington, Dorchester, Florence, Georgetown, Newberry, Oconee, Pickens, Sumter. Dead tree, dead pine, under pine bark, FIT, at UV light, rotten log.

***Penthe pimelia* (Fabricius, 1801)** (Figs. 5, 15)

33 specimens. January–December. Counties: Abbeville, Aiken, Anderson, Beaufort, Berkeley,



Figs. 5–8. Tetratomidae, lateral and dorsal habitus. **5)** *Penthe pimelia* (CUAC000170737); **6)** *Hallomenus debilis* (CUAC000161797); **7)** *H. scapularis* (NC: Haywood Co., 28 July 1962; NDSU); **8)** *Eustrophopsis bicolor* (CUAC000161782). Scale bars = 1 mm.

Charleston, Chesterfield, Darlington, Dorchester, Florence, Greenville, Lancaster, Lexington, Newberry, Pickens, Richland. Rotten log, under bark, Malaise, UV light, DOA [dead on arrival], at night.

Hallomeninae

***Hallomenus debilis* LeConte, 1866** (Figs. 6, 16)

2 specimens. August–September. Counties: Aiken, Oconee. UV light.

***Hallomenus puncticollis* (Blatchley, 1917)**

Ciegler (2014) reported this species in South Carolina based on two specimens that may be misidentified. See comments above and in Appendix 2. These specimens are here listed under *H. scapularis*.

***Hallomenus scapularis* Melsheimer, 1846** (Figs. 7, 16)

6 specimens. April–November. Counties: Florence, Lexington. Under dead bark, UV light.

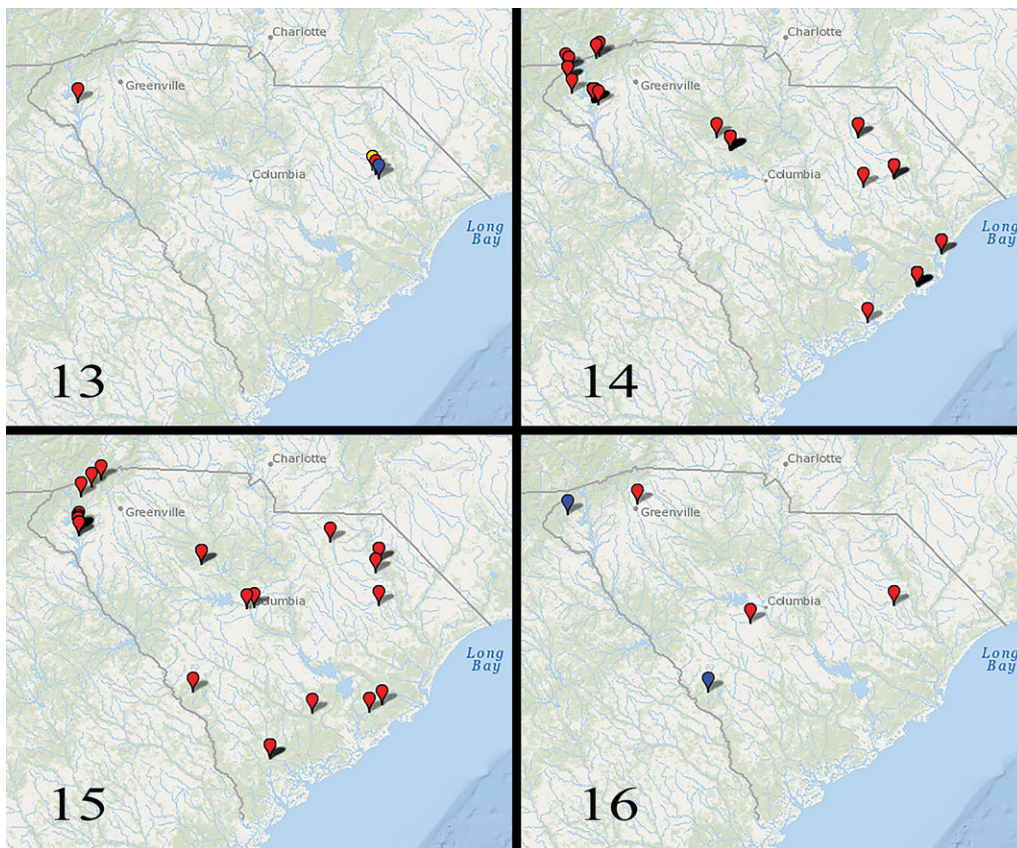
Eustrophinae

***Eustrophopsis bicolor* (Fabricius, 1792)** (Figs. 8, 17)

50 specimens. February–October. Counties: Abbeville, Aiken, Allendale, Berkeley, Charleston, Cherokee, Darlington, Dorchester, Fairfield, Florence, Georgetown, Greenville, Lee, Pickens, Richland, York. In stump, rotten log under bark, under pine bark, under oak bark, sweeping, fungus, UV light, at night, hollow tree, shelf fungi, tanglefoot screen, Lindgren funnel baited with *Ips* lure.



Figs. 9–12. Tetratomidae, lateral and dorsal habitus. **9)** *Eustrophopsis brunneimarginatus* (KY: Madison Co., 1–8 July 2013; CUAC000114667); **10)** *Eustrophus tomentosus* (CUAC000170753); **11)** *Holostrophus bifasciatus* (CUAC000176587); **12)** *Synstrophus repandus* (CUAC000007992). Scale bars = 1 mm.



Figs. 13–16. Collection localities of Tetratomidae in South Carolina. **13)** *Tetratoma tessellata* (blue), *T. truncorum* (red), *Pisenus humeralis* (yellow); **14)** *Penthe obliquata*; **15)** *Penthe pimelia*; **16)** *Hallomenus debilis* (blue), *H. scapularis* (red).

***Eustrophopsis brunneimarginatus* (Dury, 1906)** (Figs. 9, 17)

No specimens were found in the examined collections. Ciegler (2014) reported the species from Pickens Co., collected during June, September, and November, collected in a Malaise trap and on *Quercus falcata* Michx. (Fagaceae).

***Eustrophus tomentosus* Say, 1827** (Figs. 10, 18)

48 specimens. March–December. Counties: Anderson, Chesterfield, Dillon, Florence, Greenville, Greenwood, Jasper, Lancaster, Laurens, McCormick, Newberry, Oconee, Pickens, Spartanburg. Lindgren - *Platypus* lure, Lindgren - *Ips* lure, Lindgren w/ a-pinene and frontaline, fermenting tree wound, Malaise trap, UV light, stale molasses trap, hollow tree, at night.

***Holostrophus bifasciatus* (Say, 1824)** (Figs. 11, 19)

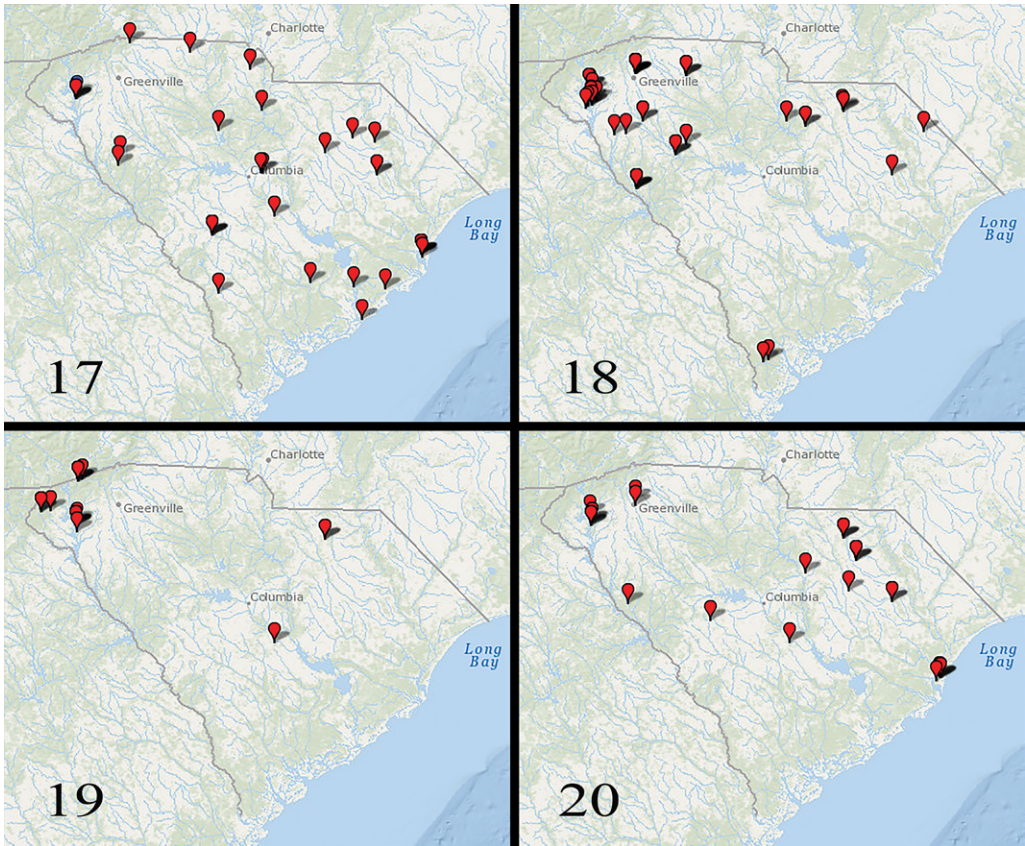
19 specimens. March–November. Counties: Abbeville, Aiken, Anderson, Chesterfield, Oconee, Pickens. Rotten log, under bark, FIT, Lindgren funnel, UV light, sifted litter.

***Synstrophus repandus* (Horn, 1888)** (Figs. 12, 20)

34 specimens. February–December. Counties: Aiken, Calhoun, Chesterfield, Dorchester, Florence, Georgetown, Greenville, Kershaw, Lee, McCormick, Pickens. Under pine bark, rotten log, UV light, Malaise trap, FIT, in shelf fungi, gill fungus, under dead oak bark, tanglefoot screen.

DISCUSSION

In the CUAC, only six species of Tetratomidae are known from 10 or more specimens from South Carolina. With only 13 photographic specimens from iNaturalist and BugGuide, tetratomids clearly are not often shared on those platforms. Why so few records? Tetratomids are relatively large compared to many other beetles, and most species in South Carolina are present throughout the year. However, adult Tetratomidae are difficult to collect during the daytime. They are primarily active on fungal fruiting bodies during nighttime after emerging from



Figs. 17–20. Collection localities of Tetratomidae in South Carolina. **17)** *Eustrophopsis bicolor* (red), *Eustrophopsis brunneimarginatus* (blue); **18)** *Eustrophus tomentosus*; **19)** *Holostrophus bifasciatus*; **20)** *Synstrophus repandus*.

daytime hiding places (Pollock 2012). Pollock (2012) even suggested marking fungus-infested dead trees with recognizable labels, such as reflective painted thumbtacks, and returning at night to observe and collect potential specimens.

Obviously, more specimens are needed to establish how landscape-level changes have affected populations throughout the state. It is unlikely that the collecting regime we have relied on so far, non-targeted collecting (*i.e.*, dumb luck), will improve our knowledge of such effects. Because they are associated with fungal bodies on trees, tetratomids have the potential to be impacted by forestry practices. Old forests are often complex, with an accumulation of decaying wood with fungal fruiting bodies, creating an optimal environment for tetratomids. In contrast, younger forests offer much less dead wood, reducing the availability of fungi, and presumably reduced tetratomid abundance.

Traylor *et al.* (2022) actively searched shelf fungi (*Fomitopsis betulina* (Bull.) Cui *et al.* [Fomitopsidaceae] and *Ganoderma applanatum* (Pers.) Pat.

[Ganodermataceae]) for beetles and showed that *Phelopsis obcordata* (Kirby, 1837) (Coleoptera: Zopheridae) was restricted to old-growth forests. Targeted collecting or whole studies of fungal fruiting body fauna would go a long way toward generating a better understanding of the status of Tetratomidae in South Carolina.

Looking beyond South Carolina, Appendix 2 provides a bibliography for all Tetratomidae in the United States and Canada. Notes sections are available for most species; see these for more details. Compilation of material available for each species revealed several interesting items. Collection of additional specimens after the original description of *Hallomenus reticulatus* Motschoulsky has not been reported. Collection of additional specimens after the original description of *H. puncticollis* was only reported by Ciegler (2014), possibly in error. Collection of additional specimens after the original description of *Pisenus pubescens* Casey was only reported in Leschen (1990). Collection of additional specimens after the original description of *Tetratoma*

longipennis (Casey) was only reported by Downie and Arnett (1996). Whether those species represent synonyms, are extinct, or are simply not reported in the literature, is unknown. Clearly, much more work remains to be done on this interesting family.

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APPENDIX 1

Specimens examined, organized alphabetically by genus and species. See Materials and Methods for conventions used.

Eustrophopsis bicolor (Fabricius, 1792)

SOUTH CAROLINA: Abbeville Co.: •Abbeville, \ S.C. 8/12/[19]89 \ In Stump \ Coll. J.C. \ Ciegler [CUAC000161789]. •USA. South Carolina: \ Abbeville Co.: Sumter \ National Forest: Road 516. \ N34.098250 W82.402270 \ Rotten Log: Under Bark. \ 22 July 2020. Anthony \ Martin Deczynski [AMDC]. **Aiken Co.:** •USA: South Carolina: Aiken Co. \ Aiken Gopher Tortoise Preserve \ N 33.4923, W -81.4227 \ 8 June 2016 (275) \ Sweeping CaterinoFerroVasquez [CUAC000033830]. •USA: South Carolina: Aiken Co. \ Aiken Gopher Tortoise Preserve \ N 33.4923, W -81.4227 \ 8 June 2016 (275) \ Sweeping CaterinoFerroVasquez [CUAC000034332]. •USA: South Carolina: Aiken Co. \ Aiken Gopher Tortoise Preserve \ N 33.4923, W -81.4227 \ 8 June 2016 (275) \ Sweeping CaterinoFerroVasquez [CUAC000034333]. •USA: South Carolina: Aiken Co. \ Aiken Gopher Tortoise Preserve \ N 33.4923, W -81.4227 \ 8 June 2016 (275) \ Sweeping CaterinoFerroVasquez [CUAC000034334]. **Allendale Co.:** •Allendale, \ S.C. 3/26/[19]88 \ In Rotten Log [CUAC000161775]. **Berkeley Co.:** •SC, Berkeley Co. \ Cypress Gardens \ 08 May 1998 [NCSU_ENT00246229]. **Charleston Co.:** •Awendaw, \ S.C. 5/10/[19]97 \ Under Pine Bark \ Coll. J.C. \ Ciegler [CUAC000161784]. •USA. South Carolina: \ Charleston Co.: Sullivan's \ Island; Sullivan's Island \ Nature Trail. N32.755500 \ W79.854660. Rotten Log; \ Under Bark: 27 June 2020. \ Anthony Martin Deczynski [x4 AMDC]. **Cherokee Co.:** •Gaffney SC \ Aug 15, 1939 \ LM Sparks, Col [CUAC000161770]. **Chester Co.:** •Great Falls, S.C. \ 16 April 1965 \ V.M.Kirk Fungus [NDSU]. **Darlington Co.:** •Darlington, S.C. \ 7 July 1956 \ W. P. DuBose [CUAC000161772]. **Dorchester Co.:** •S. CAROLINA: Reevesville \ McAlhenny Nature Preserve \ May 10, 2023 - River Trail \ At UV Light \ Coll. J.C. \ Ciegler [CUAC000161782]. **Fairfield Co.:** •USA. South Carolina: \ Fairfield Co.: Sumter \ National Forest: Road 413B. \ N34.393590 W81.354600 \ At Night. 4 July 2020. \ Anthony Martin Deczynski [AMDC]. **Florence Co.:** •Florence, S.C. \ 12 Feb. 1963 \ V.M.Kirk \ Hollow Tree [2 specimens on 1 pin, NDSU]. •Florence, S.C. \ 12 Feb. 1963 \ V.M.Kirk \ Hollow Tree [2 specimens on 1 pin, NDSU]. •Florence, S.C. \ 23 Oct. 1961 \ V.M.Kirk \ Under Dead \ Oak Bark [3 specimens on 1 pin, NDSU]. •Florence, S.C. \ 30 March 1954 \ V. M. Kirk M - L [NDSU]. •Florence, S.C. \ 27 Oct. 1961 \ V.M.Kirk \ Hollow Tree [NDSU]. •Florence, S.C. \ 15 May 1957 \ V.M.Kirk Fungus [3 specimens one 1 pin, NDSU]. •Florence, S.C. \ 20 May 1963 \ V.M.Kirk \ Tanglefoot Screen [NDSU]. •Florence, S.C. \ 29 Mch 1930 \ O.L. Cartwright [CUAC000161787]. •USA: S.Carolina : Florence Co. \ N 34.2945, W -79.7238 \ Florence, Dargan's Pond \ v.30-vi.13.2016 BBSC16.MH018 \ Lindgren - Ips lure [CUAC000073869]. **Georgetown Co.:** •USA:SC:Georgetown Co. \ 33.3046° N, 79.2381° W \ Baruch/Hobcaw Barony \ v.15.2015, M.Caterino \ S.Myers & A.Deczynski [CUAC000009664]. •USA:SC:Georgetown Co. \ 33.3302°N, 79.2469°W \ Baruch/Hobcaw Barony \ v.13-16.2015, M.Caterino \ S.Myers & A.Deczynski [CUAC000008482]. •USA:SC:Georgetown Co. \ 33.3302°N, 79.2469°W \ Baruch/Hobcaw Barony \ v.13-16.2015, M.Caterino \ S.Myers & A.Deczynski [CUAC000008557]. •USA:SC:Georgetown Co. \ 33.3302°N, 79.2469°W \ Baruch/Hobcaw Barony \ v.13-16.2015, M.Caterino \ S.Myers & A.Deczynski \ in shelf fungi [CUAC000008923]. •USA:SC:Georgetown Co. \ 33.3302°N, 79.2469°W \ Baruch/Hobcaw Barony \ v.13-16.2015, M.Caterino \ S.Myers & A.Deczynski \ in shelf fungi [CUAC000008931]. •USA:SC:Georgetown Co. \ 33.3046°N, 79.2381°W \ Baruch/Hobcaw Barony \ v.15.2015, M.Caterino \ S.Myers & A.Deczynski [CUAC000009602]. **Greenville Co.:** •USA:SC: Greenville Co. \ 35.1436°N, 82.2811°W \ Chestnut Ridge HP iv.8.2018, M.Caterino, \ M.Ferro & R.Anderson [CUAC000109225]. **Lee Co.:** •Bishopville, S.C. \ 17 April 1961 \ V.M.Kirk \ Hollow Tree [2 specimens on 1 pin, NDSU]. **Pickens Co.:** •Clemson College \ 18 May 1931 SC \ D Dunavan Coll [CUAC000028662]. •Clemson College \ 18 Mch 1932 SC \ WP Hunter [CUAC000161781]. •Clemson College \ 225 1927 SC \ O L Cartwright [CUAC000161786]. •SC: Calhoun Co. \ Wannamaker NP \ St. Matthews \ At UV Light \ April 6, 2010 [CUAC000161780]. •SC: Pickens Co. \ Clemson University \ Horticultural Gardens \ 12 June 1989 \ D. Stoltz [CUAC000161785]. •USA. South Carolina: \ Pickens Co.: Clemson Twp. \ 802 Creekside Drive. \ N34.696889 W82.824169. \ At Light. 28 September 2014. \ Anthony Martin Deczynski [AMDC]. **Richland Co.:** •SC, Richland Co. \ 11 Sep [19]98 \ W D Merritt [NCSU_ENT00246227]. •Gadsden, S.C. \ 8/12/2002 \ At U.V. Light \ Coll. J.C. \ Ciegler [CUAC000161783]. **York Co.:** •York Co.: SC, Rock Hill \ 15 May [19]98 \ W D Merritt [NCSU_ENT00246226].

Eustrophus tomentosus Say, 1827

SOUTH CAROLINA: Anderson Co.: •USA: SC: Anderson Co. \ 34.37300°N, 82.47691°W \ Clemson Expt. Forest \ Aull Tract 3.xii.2015 \ Trap 7 Understory [CUAC000025222]. •USA:SC:Anderson \ 34.5921°N, -82.8930°W \ Coneross Crk County Prk \ iv.5-4.2017, E.H \ Lindgren - *Platypus* lure [CUAC000043253]. •USA: Anderson Co. \ Clemson Exp. For. Fants Grove \ N 34.6184, W -82.8299 \ 7 July 2018 Fermenting

tree \ wound M Ferro [CUAC000116286]. •USA: Anderson Co. \ Clemson Exp. For. Fants Grove \ N 34.6184, W -82.8299 \ 7 July 2018 Fermenting tree \ wound M Ferro [CUAC000116289]. •USA: SC: Anderson Co. \ Lake Hartwell \ N 34.4829, W -82.7976 \ August 2020 \ ex. malaise trap LGA [CUAC000170753]. •USA: SC: Anderson Co. \ 34.3622°N, 82.5953° W \ 6 mi SE Starr \ iv.22-iv.29.2016, Lindgren \ w/a-pinene & frontalin \ D. Jenkins [CUAC0001764]. **Chesterfield Co.:** •USA:SC:ChesterfieldCo. \ 34.5745°N, 80.2232°W \ Carolina Sandhills NWR \ iv.17-v.3.2017, FIT \ M.Caterino & M.Ferro [CUAC000047013]. •USA:SC:ChesterfieldCo. \ 34.5745°N, 80.2232°W \ Carolina Sandhills NWR \ iv.17-v.3.2017, FIT \ M.Caterino & M.Ferro [CUAC000047716]. •USA:SC:Chesterfield Co. \ 34.5626°N, 80.2106°W \ Carolina Sandhills NWR \ iii.24-iv. 2017, Lindgren \ M.Caterino & M.Ferro [CUAC000042686]. **Dillon Co.:** •SOUTH CAROLINA \ Dillon Co. Fork \ UV Light April 15, 2012 \ J.C. Ciegler [CUAC000161791]. **Florence Co.:** •Florence, S.C. \ 21 June 1962 \ V.M.Kirk \ Stale Molasses Trap [NDSU]. •Florence, S.C. 22 \ Sept. 1959 \ V.M.Kirk \ At Wound of Oak Trunk [NDSU]. •Florence, S.C. \ 27 Oct. 1961 \ V. M. Kirk \ Hollow Tree [2 specimens on 1 pin, NDSU]. **Greenville Co.:** •SC: Greenville Co. \ Paris Mtn. St. Park \ 374440 3865476 \ 7-VII-[20]09 UV light [CUAC000028663]. •SC: Greenville Co. \ Paris Mtn. St. Park \ 373263 3867371 \ 6-VII-[20]09 UV light [CUAC000161790]. •SC: Greenville Co. \ Paris Mtn. St. Park \ 373263 374440 3865476 \ 7-VII-[20]09 UV light \ Coll. J.C \ Ciegler [CUAC000161792]. •SC: Greenville Co. \ Paris Mtn. St. Park \ 374362 3865588 \ 26-IV-[20]09 UV Light \ Coll. J.C \ Ciegler [CUAC000161793]. •SC: Greenville Co. \ Paris Mtn. St. Park \ 374362 3865588 \ 26-IV-[20]09 UV Light [CUAC000161794]. •SC: Greenville Co. \ Paris Mtn. St. Park \ 373263 3867371 \ 26-IV-[20]09 UV Light [CUAC000161795]. •SC: Greenville Co. \ Paris Mtn. St. Park \ 373644 3867911 \ 24-IV-[20]09 UV Light [CUAC000161796]. **Greenwood Co.:** •USA: S. Carolina: Greenwood Co. \ N 34.1906, W -81.9568 \ Greenwood SP \ vi.8-vi.22.2016 BBSC16.TR048 \ Lindgren - Platypodinae lure [CUAC000073304]. •USA: S. Carolina: Greenwood Co. \ N 34.1906, W -81.9568 \ Greenwood SP \ v.18-vi.8.2016 BBSC16.TR036 \ Lindgren - Ips lure [CUAC000073998]. •USA: S. Carolina: Greenwood Co. \ N 34.1906, W -81.9568 \ Greenwood SP \ v.18-vi.8.2016 BBSC16.TR036 \ Lindgren - Platypodinae lure [CUAC000074041]. **Jasper Co.:** •USA: SC: Jasper Co. \ 32.4053°N, 80.9940° W \ 5 mi S Ridgeland \ iii.25-iv.1.2016, Lindgren \ w/a-pinene & frontalin \ D. Jenkins [CUAC00011581]. •USA: SC: Jasper Co. \ 32.3931°N, 81.0413° W \ 7 mi SE Ridgeland \ iii.25-iv.1.2016, Lindgren \ w/a-pinene & frontalin \ D. Jenkins [CUAC000112011]. **Kershaw Co.:** •USA: Kershaw Co. \ SC For. Pine Btl Survey, 28-A \ N 34.4328, W -80.6047 \ 14-21 April 2015 \ Lindgren residue, D. Jenkins [CUAC000162092]. •USA: Kershaw Co. \ SC For. Pine Btl Survey, 28-A \ N 34.4328, W -80.6047 \ 14-21 April 2015 \ Lindgren residue, D. Jenkins [CUAC000162093]. •USA: SC: Kershaw Co. \ SC For. Pine Btl Survey, 28-C \ N 34.4756, W -80.8035 \ 1-8 April 2022 \ Lindgren residue, D. Jenkins [CUAC000170766]. **Laurens Co.:** •USA: S. Carolina: Laurens Co. \ N 34.47959, W 82.29333 \ Thomas Brothers \ iv.26-v.5.2016 BBSC16TR012 \ Lindgren - Ips lure [CUAC000073155]. •USA: S. Carolina: Laurens Co. \ N 34.47959, W 82.29333 \ Thomas Brothers \ iv.26-v.5.2016 BBSC16TR012 \ Lindgren - Ips lure [CUAC000073160]. **McCormick Co.:** •USA: SC: McCormick Co. \ 33.8961°N, 82.3514° W \ Baker Creek State Park \ iv.21-iv.28.2016 Lindgren \ w/a pinene & frontalin \ D. Jenkins [CUAC000170759]. •USA: SC: McCormick Co. \ 33.8961°N, 82.3514° W \ Baker Creek State Park \ iv.21-iv.28.2016, Lindgren \ w/a pinene & frontalin \ D. Jenkins [CUAC000170760]. •USA: SC: McCormick Co. \ 33.8961°N, 82.3514° W \ Baker Creek State Park \ iv.21-iv.28.2016, Lindgren \ w/a pinene & frontalin \ D. Jenkins [CUAC000170761]. •USA: SC: McCormick Co. \ 33.8961°N, 82.3514° W \ Baker Creek State Park \ iv.21-iv.28.2016, Lindgren \ w/a pinene & frontalin \ D. Jenkins [CUAC000170762]. •USA: SC: McCormick Co. \ 33.8961°N, 82.3514° W \ Baker Creek State Park \ iv.21-iv.28.2016, Lindgren \ w/a pinene & frontalin \ D. Jenkins [CUAC000170763]. **Newberry Co.:** •USA: SC: Newberry Co. \ SC For. Pine Btl Survey, 36-B \ N 34.2778, W -81.85 \ 30 Mar-6 April 2022 \ Lindgren residue, D. Jenkins [CUAC000170765]. **Oconee Co.:** •USA:SC:Oconee \ 34.6022°N, -82.8715°W \ Oconee Point Camp Gr \ iv.5-16.2017, E.H \ Lindgren - Ips lure [CUAC000043318]. **Pickens Co.:** •USA: SC: Pickens Co. \ CU Exp. Forest Wildcat Crk \ N 34.7568, W -82.8528 \ 25Aug-7Sept 2003 (3) \ Lindgren+lures MLF Artley Baker [CUAC000105498]. •USA: SC: Pickens Co. \ 34.7252°N, 82.8245°W. \ 5 mi.N. Clemson \ x.19.2014, M.&K. Caterino [CUAC000004279]. •USA: SC: Pickens Co. \ CU Exp. Forest Wildcat Crk \ N 34.7568, W -82.8528 \ 21 Sept 2022 (3) \ UV blacklight Ferro, Baker [CUAC000170755]. •USA. South Carolina: \ Pickens Co.: Clemson Twp: \ Clemson University: \ Cherry Farm. N34.65653086 \ W82.833483. Lindgren \ Funnel. 10 September – 30 \ October 2017. Anthony \ Martin Deczynski [x2 AMDC]. •USA. South Carolina: \ Pickens Co.: Central Twp: \ Clemson Experimental \ Forest; Wildcat Creek. \ N34.755967 W82.856455. \ At Night. 22 April 2017. \ Anthony Martin Deczynski [AMDC]. •USA. South Carolina: \ Picken Co.: Clemson Twp: \ Clemson University; \ Cherry Farm. N34.653086 \ W82.8334383. Lindgren \ Funnel. 12 July – 19 August \ 2018. Anthony Martin \ Deczynski [AMDC]. **Spartanburg Co.:** •USA: S. Carolina: Spartanburg Co. \ N 34.8694, W -81.85119 \ Camp Croft (1) \ iv.16-v.4.2016 BBSC16.BC01 \ Lindgren - Ips lure

[CUAC000073518]. •USA: S. Carolina: Spartanburg Co. \ N 34.8694, W -81.85119 \ Camp Croft (1) \ iv.16-v.4.2016 BBSC16.BC01 \ Lindgren - Ips lure [CUAC000073554]. •USA: S. Carolina: Spartanburg Co. \ N 34.8694, W -81.85119 \ Camp Croft (1) \ iv.16-v.4.2016 BBSC16.BC01 \ Lindgren - Platypodinae lure [CUAC000073900].

***Hallomenus debilis* LeConte, 1866**

SOUTH CAROLINA: Aiken Co.: •Lost Lake, \ Jackson, S.C. \ 9/30/[19]94 \ Coll. J.C. \ Ciegler [CUAC000161798]. **Oconee Co.:** •Walhalla, S.C. \ 8/18/[19]95 \ At U.V. Light \ Coll. J.C. \ Ciegler [CUAC000161797].

***Hallomenus scapularis* Melsheimer, 1846**

SOUTH CAROLINA: Florence Co.: •Florence, SC \ Nov. 13 1952 \ V.M.Kirk \ Under dead \ bark [4 specimens on 1 pin, NDSU]. **Greenville Co.:** •SC: Greenville Co. \ Paris Mtn. St. Park \ 373263 3867371 \ 26-IV-[20]09 UV Light [CUAC000028664] [identified as *Hallomenus puncticollis* Blatchley by J. C. Ciegler]. **Lexington Co.:** •SOUTHCAROLINA \ Lexington Co. Edmund \ UV Light April 17, 2012 \ J.C. Ciegler [CUAC000161800] [identified as *Hallomenus puncticollis* Blatchley by J. C. Ciegler].

***Holostrophus bifasciatus* (Say, 1824)**

SOUTH CAROLINA: Abbeville Co.: •11 March 2011 [iN.84599237]. **Aiken Co.:** •19 July 2012 [BG.955986]. **Anderson Co.:** •USA. South Carolina: \ Anderson Co.: Clemson \ Experimental Forest: Big \ Oaks. N34.612825 \ W82.824433. Rotten Log: \ Under Bark. 12 May 2018. \ Anthony Martin Deczynski [AMDC]. **Calhoun Co.:** •SC: Calhoun Co. \ Wannamaker NP \ St. Matthews \ At UV Light \ August 29, 2010 \ Coll. J.C. \ Ciegler [CUAC000161805]. **Chesterfield Co.:** •USA:SC:ChesterfieldCo. \ 34.5476°N, 80.2433°W \ Carolina Sandhills NWR \ iii.24-iv.17.2017, FIT \ M.Caterino & M.Ferro [CUAC000042666]. •USA:SC:ChesterfieldCo. \ 34.5476°N, 80.2433°W \ Carolina Sandhills NWR \ iii.24-iv.17.2017, FIT \ M.Caterino & M.Ferro [CUAC000042674]. **Oconee Co.:** •USA: SC: Oconee Co. \ SC For. Pine Btl Survey, 37-B \ N 34.7823, W -83.1951 \ 17-24 April 2015 \ Lindgren residue, D. Jenkins [CUAC000161911]. •USA: SC: Oconee Co. \ SC For. Pine Btl Survey, 37-B \ N 34.7823, W -83.1951 \ 17-13 May 2015 \ Lindgren residue, D. Jenkins [CUAC000164804]. •USA: SC: Oconee Co. \ SC For. Pine Btl Survey, 37-B \ N 34.7823, W -83.1951 \ 17-13 May 2015 \ Lindgren residue, D. Jenkins [CUAC000164805]. •Tunnel \ Walhalla SC \ 20 Apr. 1933 [CUAC000161802]. **Pickens Co.:** •Clemson College \ 19 Nov 1933 SC \ O L. Cartwright [CUAC000028665]. •Clemson College \ III-19 1927 SC \ D Dunavan Coll [CUAC000161801]. •Clemson College 19 \ Nov 1933 SC \ O L. Cartwright [CUAC000161808]. •Clemson College \ 19 Nov 1933 SC \ O.L. Cartwright [CUAC000161807]. •Clemson, S.C. \ Apr. 4 1958 \ Mellard [CUAC000161806]. •USA: SC: Pickens Co. \ 35.0462°N,82.8178°W \ Eastatoe Heritage Preserve \ v.6.2014. M.&K. Caterino [CUAC000002723]. •USA. South Carolina: \ Pickens Co.: Clemson Twp: \ Clemson Experimental \ Forest. N34.697158 \ W82.823006. Rotten Log. \ 8 March 2015. Anthony \ Martin Deczynski [AMDC]. •USA:SC: Pickens Co. \ 35.0435°N,82.8152°W \ Eastatoe Creek HP \ iv.30.2015, S. Myers \ Sifted litter [CUAC000176587]. •USA:SC: Pickens Co. \ 35.0471°N,82.8165°W \ Eastatoe Creek HP \ iv.30.2015, S. Myers \ Sifted litter [CUAC000176656]. •USA:SC: Pickens Co. \ 35.0471°N,82.8165°W \ Eastatoe Creek HP \ iv.30.2015, S. Myers \ Sifted litter [CUAC000176641]. •USA:SC: Pickens Co. \ 35.0645°N,82.7749°W \ Sassafras Mt. \ 3.vi.2023, M.Caterino [CUAC000176777].

***Penthe obliquata* (Fabricius, 1801)**

SOUTH CAROLINA: Abbeville Co.: •6 March 2011 [iN.80541213]. **Aiken Co.:** •6 March 2011 [BG.1929157]. **Anderson Co.:** •S.C.: Anderson Co. \ Pendleton, Aldwood \ 2 Oct 1984 \ dead tree \ J. Morse [CUAC000161814]. **Charleston Co.:** •Charleston SC \ 24 V 1934 \ O.L. Cartwright \ Collector [CUAC000161845]. •R. B. Dominick \ Charles R. Edwards \ McClellanville, \ South Carolina 29458 \ 2 Jan. 1968 \ Dead Pine [CUAC000161866]. Same data •[CUAC000161869]; •[CUAC000161870]; •[CUAC000161872]; •[CUAC000170752]. •Charles R. Edwards \ McClellanville, \ South Carolina 29458 \ 2 Jan. 1968 \ Dead Pine [CUAC000161867]. Same data •[CUAC000161868]; •[CUAC000161873]. **Darlington Co.:** •Hartsville, \ S.C. 3/10/[19]91 \ Under Pine Bark \ Coll. J.C. \ Ciegler [CUAC000161860]. **Dorchester Co.:** •S. CAROLINA: Reevesville \ McAlhenny Nature Preserve \ May 11, 2013 - Bluff Trail \ At UV light [CUAC000161858]. **Florence Co.:** •Lynches River \ Florence, S.C. \ 30 VIII 1929 \ O.L. Cartwright [CUAC000161811]. •Florence, S.C. \ 7 Feb. 1930 \ O.L. Cartwright [CUAC000161812]. •Florence, S.C. \ 7 Feb. 1930 \ O.L. Cartwright [CUAC000161812]. •Florence, S.C. \ Dec. 12 1955 \ V.M.Kirk

\ Under Bark [NDSU]. •Florence, S.C. \ Dec. 12 1955 \ V.M.Kirk \ Under Bark [NDSU]. •Florence, S.C. \ 9 April 1965 \ V.M.Kirk [NDSU]. •Florence, S.C. \ 15 March 1961 \ V. M. Kirk \ Under dead \ bark [NDSU]. **Georgetown Co.:** •USA:SC:Georgetown Co. \ 33.3625°N.79.2270°W \ Baruch/Hobcaw Barony \ v.12-16.2015, M. Caterino \ S.Meyers & A.Deczynski [CUAC000007313]. •USA: SC: Georgetown Co. \ 33.3665°N.79.2099°W \ Baruch/Hobcaw Barony \ v.12-16.2015, M. Caterino \ S.Meyers & A.Deczynski \ flight intercept trap [CUAC000007531]. **Newberry Co.:** •Pomaria \ S.C. 12-21-[19]26 \ J. A. Berly \ Collector [CUAC000161818]. Same data •[CUAC000161819]; •[CUAC000161834]; •[CUAC000161838]; •[CUAC000161842]; •[CUAC000161847]; •[CUAC000161848]; •[CUAC000161849]; •[CUAC000161850]; •[CUAC000161851]; •[CUAC000161856]. •USA South Carolina; \ Newberry Co.: Sumter \ National Forest; Road 382A \ N34.367440 W81.554690. \ At Light 23 May 2020. \ Anthony Martin Deczynski [AMDC]. **Oconee Co.:** •Mtn. Rest SC \ 23 Nov. 1932 \ F. Sherman Collector [CUAC000161844]. Same data •[CUAC000161863]; •[CUAC000161865]. •CCC Camp F2 \ Oconee Co SC \ IV-28-1939 \ J. N. Todd [CUAC000161862]. Same data •[CUAC000161864]. •Oconee \ 5-15-[19]64 \ WBE [CUAC000161871]. •USA South Carolina \ Oconee Co. Ellicott Rock \ Wilderness, Sumter National \ Forest; Burrell's Ford \ Campground. N 34.96893 \ W83.11854, Rotten Log. \ 28 April 2016. Anthony \ Martin Deczynski [AMDC]. **Pickens Co.:** •Clemson College \ XII-4-1926 SC \ D Dunavan Coll [CUAC000028660]. Same data •[CUAC000161810]; •[CUAC000161816]; •[CUAC000161839]; •[CUAC000161840]; •[CUAC000161841]. •Clemson, S.C. \ 5 May 1959 [CUAC000161809]. •TJB S.C. \ Oct 18 1926 \ Clemson College [CUAC000161813]. •Clemson, SC \ Oct. 20 1976 \ Coll T. Currin [CUAC000161815]. •Clemson College \ 1 May 1931 SC [CUAC000161817]. Same data •[CUAC000161843]. •Clemson College \ 26 Feb 1927 \ SC W C Maxwell Col [CUAC000161835]. •Clemson College \ 18 May 1931 SC \ O L Cartwright \ Trap light [CUAC000161836]. •Clemson College \ 17 Sep. 1925 \ W.L. Baker [CUAC000161837]. •Clemson, SC \ Oct. 21 1975 \ Coll H. Wells [CUAC000161846]. •Clemson, SC \ Oct. 5, 1976 \ Coll. S. Prichard [CUAC000161854]. •USA:SC: Pickens Co. \ 35.0645°N.82.7749°W \ Sassafras Mt. \ 3.vi.2023, M.Caterino [CUAC000176778]. •SC: Pickens Co. \ Botanical Garden \ In log \ 15 Aug 2000 \ Col. T Vshivkova [CUAC000161853]. •Rocky Bottom SC \ 21 June 1932 [CUAC000161857]. **Sumter Co.:** •Shiloh, S.C. \ 2/27/[19]99 \ Under Bark \ Coll. J.C. \ Ciegler [CUAC000161861].

Penthe pimelia (Fabricius, 1801)

SOUTH CAROLINA: Abbeville Co.: •31 December 2020 [iN.67662304]. •30 April 2021 [iN78395862]. •2 May 2022 [iN.117442369]. **Aiken Co.:** •Lost Lake, \ Jackson SC \ 12/3/[19]94 \ Coll. J.C. \ Ciegler [CUAC000170735]. **Anderson Co.:** •Anderson \ SC 11-8-[19]27 \ J. A. Berly Collector [CUAC000170739]. •USA. South Carolina: \ Anderson Co.: Clemson \ Experimental Forest; Big \ Oaks. N34.612825 \ W82.824433. Rotten Log: \ Under Bark. 26 January \ 2020. Anthony Martin \ Deczynski [AMDC]. •USA: South Carolina: \ Anderson Co.: Clemson \ Experimental Forest; Big \ Oaks. N34.612825 \ W82.824433. At Night \ 4 July 2018. Anthony Martin \ Deczynski [AMDC]. •27 September 2014 [BG.1003269]. **Beaufort Co.:** •Yemassee, SC \ 28 Dec. 1941 \ OLCartwright [CUAC000170749]. Same data •[CUAC000170750]; [CUAC0001701751]. **Berkeley Co.:** •17 Feb 1983 \ Huger, SC \ Coll. M. S. Zeide [CUAC000170731]. **Charleston Co.:** •Francis Marion Forest \ Charleston Co, SC \ Coll. H. Magill \ 19 Feb 1983 [CUAC000170732]. **Chesterfield Co.:** •USA:SC: Chesterfield Co. \ 34.5626°N.80.2106 °W \ Carolina Sandhills NWR \ iv.17-v.3.2017, Malaise \ M. Caterino & M. Ferro [CUAC000046210]. **Darlington Co.:** •USA:SC: Darlington Co. \ 34.3892°N 79.7098°W \ Great Pee-Dee River \ Heritage Pres., i.10.2017 \ M. Caterino [CUAC000071538]. Same data •[CUAC000071543]. **Dorchester Co.:** •S. CAROLINA: Reevesville \ McAlhenny Nature Preserve \ May 11, 2013 Bluff Trail \ At UV light \ Coll. J.C. \ Ciegler [CUAC000170737]. •27 June 2021 [iN.85160905]. **Florence Co.:** •USA: SC: Florence Co. \ PDREC Site 2 \ N 34.2986, W -79.7425 \ 21-22 Apr 2023 \ Light trap. Baker [CUAC000181822]. •Florence, SC \ 4 April 1961 \ V. M. Kirk \ Under dead \ bark [NDSU]. **Greenville Co.:** •Tigerville, S.C. \ 18 July 1943 \ OLCartwright [CUAC000170743]. •USA:SC: Greenville Co. \ 35.0908°N.82.5991°W \ Mountain Bridges Wldrns \ v.3.2014, K. Hinson, \ P. Harpootlian & M. Caterino [CUAC00000648]. •13 April 2021 [iN.73915599]. •29 June 2022 [iN.124214544]. **Lancaster Co.:** •21 April 2021 [iN.74858616]. **Lexington Co.:** •West Columbia, \ SC 8.25.[20]04 \ Dead in water \ Coll. J.C. \ Ciegler [CUAC000170734]. **Newberry Co.:** •USA. South Carolina: \ Newberry Co.: Sumter \ National Forest: Road 382A. \ N34.367440 W81.554690. \ At Night. 23 May 2020. \ Anthony Martin Deczynski [AMDC]. •USA. South Carolina: \ Newberry Co.: Sumter \ National Forest: Road 382A. \ N34.367440 W81.554690. \ At Night. 23 May 2020. \ Anthony Martin Deczynski [AMDC]. **Pickens Co.:** •Clemson College \ 25 April 1930 SC \ O L Cartwright [CUAC000170741]. •Clemson College \ 24 Jly 1935 SC \ F. Sherman [CUAC000170742]. •Clemson, S.C. \ Apr. 11/4/1958 \ E D Richardson [CUAC000170744]. •Clemson, S.C. \ May 1957 \ Neel [CUAC000170745]. •Clemson College \ 1 May 1930 SC \ RBCASeY [CUAC000170746]. •Clemson S.C. \ 12 May 1956 \ David Dunavan \ in

trap light [CUAC000028661]. •Clemson College \ SC \ 22 Mar 1927 \ FSherman \ Collector [CUAC000170748]. •TJB, SC \ Oct 18 1926 \ Clemson College [CUAC000170740]. •USA: SC: Pickens Co. \ 34.6532°N, 82.8338°W \ Clemson Univ. Cherry Farm \ iv.26.2014, M&K Caterino [CUAC000000318]. •USA: SC: Pickens Co. \ 34.9465°N, 82.8027°W \ Nine Times Preserve \ iii.27.2015, M. S. Caterino [CUAC000121599]. •USA: South Carolina: \ Pickens Co.: Clemson Twp: 802 Creekside Drive. \ N34.696889 W82.824169. \ At Light. 21 August 2014. \ Anthony Martin Deczynski [AMDC]. •USA. South Carolina: \ Pickens Co.: Table Rock \ State Park. N35.03161 \ W82.69938. 29 March 2015. \ Anthony Martin Deczynski [x2 AMDC]. •USA. South Carolina: \ Pickens Co.: Clemson Twp: \ Clemson University: \ Cherry Farm. N34.653086 \ W82.834383. At Night. \ 12 July 2018. Anthony \ Martin Deczynski [AMDC]. **Richland Co.:** •12 May 2018 [iN.12389938].

Synstrophus repandus (Horn, 1888)

SOUTH CAROLINA: Aiken Co.: •Monetta, \ S.C. 2/10/[19]91 \ Under \ Pine Bark \ Coll. J.C. \ Ciegler [CUAC000170717]. **Calhoun Co.:** •SC: Calhoun Co. \ Wannamaker NP \ St. Matthews \ At UV Light \ July 1, 2010 \ Coll. J.C. Ciegler [CUAC000170719]. **Chesterfield Co.:** •USA: SC: Chesterfield Co. \ 34.5626°N, 80.2106°W \ Carolina Sandhills NWR \ v.3-17.2017, Malaise \ M.Caterino & M.Ferro [CUAC000047646]. •USA: SC: Chesterfield Co. \ 34.5626°N, 80.2106°W \ Carolina Sandhills NWR \ iv.17-v.3.2017, Malaise \ M.Caterino & M.Ferro [CUAC000046197]. •USA: SC: Chesterfield Co. \ 34.5626°N, 80.2106°W \ Carolina Sandhills NWR \ iv.17-v.3.2017, Malaise \ M.Caterino & M.Ferro [CUAC000046193]. **Dorchester Co.:** •S. CAROLINA: Reevesville \ McAlheny Nature Preserve \ May 10, 2013 - River Trail \ At UV light [CUAC000170715]. •S. CAROLINA: Reevesville \ McAlheny Nature Preserve \ May 10, 2013 - River Trail \ At UV light [CUAC000170725]. •S. CAROLINA: Reevesville \ McAlheny Nature Preserve \ May 10, 2013 - Loop Road \ At UV light [CUAC000170726]. **Florence Co.:** •Florence, S.C. \ 15 May 1957 \ V.M.Kirk Fungus [NDSU]. •Florence, S.C. \ 30 March 1954 \ V.M.Kirk Fungus H-L [NDSU]. •Florence, S.C. \ 23 October 1961 \ V.M.Kirk Fungus \ Under dead \ oak bark [NDSU]. •Florence, S.C. \ Nov. 13 1952 \ V.M.Kirk Fungus \ Under dead \ bark [NDSU]. •Florence, S.C. \ July 30 1956 \ V.M.Kirk N-L [NDSU]. •Florence, S.C. \ 24 April 1964 \ V.M.Kirk N-L [NDSU]. •Florence, S.C. \ 18 June 1962 \ V.M.Kirk \ Tanglefoot \ Screen [NDSU]. •Florence, S.C. \ 6 June 1954 \ V.M.Kirk N-L [NDSU]. •Florence, S.C. \ 29 Mch 1930 \ O.L. Cartwright [CUAC000170723]. **Georgetown Co.:** •USA: SC: Georgetown Co. \ 33.3302°N, 79.2469°W \ Baruch/Hobcaw Barony \ v.13-16.2015, M.Caterino \ S.Myers & A.Decsynski \ in shelf fungi [CUAC000008928]. •USA: SC: Georgetown Co. \ 33.3545°N, 79.2026°W \ Baruch/Hobcaw Barony \ v.12-16.2015, M.Caterino \ S.Myers & A.Decsynski \ Malaise trap [CUAC000007992]. •USA: SC: Georgetown Co. \ 33.3545°N, 79.2026°W \ Baruch/Hobcaw Barony \ v.12-16.2015, M.Caterino \ S.Myers & A.Decsynski \ Malaise trap [CUAC000007942]. •USA: SC: Georgetown Co. \ 33.3545°N, 79.2026°W \ Baruch/Hobcaw Barony \ v.12-16.2015, M.Caterino \ S.Myers & A.Decsynski \ Malaise trap [CUAC000007935]. •USA: SC: Georgetown Co. \ 33.3665°N, 79.2099°W \ Baruch/Hobcaw Barony \ v.12-16.2015, M.Caterino \ S.Myers & A.Decsynski \ flight intercept trap [CUAC000007533]. **Greenville Co.:** •Greenville \ S.C. 7/7/[20]09 \ At UV Light \ Coll. J.C. Ciegler [CUAC000170718]. •Greenville, \ S.C. 7/7/[20]09 \ At UV Light \ Coll. J.C. \ Ciegler [CUAC000170722]. **Kershaw Co.:** •Camden S.C. \ 7/19/2002 \ Coll. J.C. Ciegler [CUAC000170721]. **Lee Co.:** •S. CAROLINA \ Lee Co.- Elliott \ June 23, 2018 \ In Gill Fungus [CUAC000170754]. **McCormick Co.:** •USA: South Carolina: \ McCormick Co.: Sumter \ National Forest, Road 3051. \ N33.996520 W82.451020 \ Rotten Log; Under Bark. \ 2 May 2020. Anthony \ Martin Deczynski [AMDC]. **Pickens Co.:** •Clemson College \ 2 Jly 1927 SC \ WHClarke \ Coll. [CUAC000170720]. •Clemson, S.C. \ 14 Oct. 1947 \ David Dunavan [CUAC000028666]. •Clemson College \ 27 Sep. 1925 SC \ FSherman \ Collector [CUAC000170724]. •USA: SC: Pickens Co. \ CU Exp. Forest Wildcat Crk \ N 34.7568, W -82.8528 \ 19-20 May 2022 (3) \ UV blacklight Ferro, Baker [CUAC000170756]. •USA. South Carolina: \ Pickens Co.: Clemson Twp: \ Clemson Experimental \ Forest. N34.697158 \ W82.823006. Rotten Log. \ 4 December 2015. Anthony \ Martin Deczynski [AMDC]. •USA. South Carolina: \ Pickens Co.: Clemson Twp. \ Clemson Experimental \ Forest. N34.697158 \ W82.823006. Rotten Log. \ 21 March 2015. Anthony \ Martin Deczynski [AMDC].

Tetratoma tessellata Melsheimer, 1844

SOUTH CAROLINA: Florence Co.: •Florence, S.C. \ 18. Jan 1960 \ V.M.Kirk \ In hollow \ Tree [NDSU].

Tetratoma truncorum LeConte, 1866

SOUTH CAROLINA: Florence Co.: •Florence, S.C. \ 23 Oct. 1961 \ V.M.Kirk. \ Under dead \ oak bark [NDSU]. **Pickens Co.:** •Clemson, S.C. \ Oct. 16, 1957 \ TINSLEY, JA. [CUAC000170714].

APPENDIX 2

A literature search was conducted to create a list of published, state-level distributional records for all species of Tetratomidae in the United States and Canada. All references found were included, whether they contribute to state-level distribution or not. Google Scholar (<https://scholar.google.com>), Biodiversity Heritage Library (www.biodiversitylibrary.org), and Internet Archive (www.archive.org) were the primary resources used to find literature, with additions from works known to the authors. What follows is not a taxonomic treatment or catalog (thus subgenera are not included), but a bibliography based on accepted names, synonyms, alternative combinations, misspellings, etc. that appear in the literature. Possible combinations not found in the literature are not included. Page numbers refer to the primary page on which the species is listed; additional mentions may occur throughout the reference. Species are listed alphabetically by genus.

A few notes on names: Cline and Leschen (2005: 419), in a paper on Coleoptera associated with the oyster mushroom in North America, *Pleurotus ostreatus* (Jacq. ex Fr.) P. Kumm. (Pleurotaceae), reported a species “*Tetratoma bauderi* Perr.”. Presumably they were referring to *Tetratoma baudueri* Perris (1864: 292), an Old World species (Nikitsky 2020: 44) which has not been reported to occur in North America. Hubbard and Schwarz (1878: 641) listed “*Hallomenus obscurus* Lec. n. sp.”. No such species exists. LeConte (1878: 619) described *H. serricornis* within Hubbard and Schwarz (1878), and presumably this is the species intended.

Eustrophopsis arizonensis (Horn, 1888)

Eustrophus arizonensis Horn 1888: 34. Champion 1889: 75; Henshaw 1889: 7; Horn 1894: 353; Wickham 1896: 168; Champion 1898: 65; Griffith 1900: 570; Wickham 1902: 296; Fall and Cockerell 1907: 206; Pollock 2012: 25.

Eustrophinus arizonensis (Horn). Leng 1920: 238; Van Dyke 1928: 252; Tanner 1934: 46; Blackwelder 1945: 495; Fagerlund 2000: 34; Pollock 2012: 25.

Eustrophinus arizonensis (Horn). Poole and Gentili 1996: 299.

Eustrophopsis arizonensis (Horn). Angón 2011: 7; Pollock 2012: 25; Weinkauff 2015: 131; Evans 2021: 332; Johnston *et al.* 2024b: 57.

Distribution. MEXICO: BS, DG, MR, OA, SO, VC. UNITED STATES: AZ, CA, CO, MT, NM, SD, TX, UT.

Eustrophopsis bicolor (Fabricius, 1792)

Mycetophagus bicolor Fabricius 1792: 497. Fabricius 1801b: 566; Olivier 1811: 70; Lacordaire 1859: 541; Scudder 1869: 63; LeConte 1873: 335; Nikitsky 1998: 53; Pollock 2008: 277, 2012: 19; Ciegler 2014: 31.

Eustrophus bicolor (Fabricius). Say 1827: 239; Harris 1833: 576, 1835: 47; LeConte 1852: 151; Melsheimer 1853: 143; Lacordaire 1859: 541; LeConte 1866b: 152; Pettit 1869: 132; Scudder 1869: 62; Dimmock 1871: 11; Horn 1872b: 389; Crotch 1873: 112; Dimmock 1873: 24; LeConte 1873: 335; Summers 1875: 93; Putnam 1876: 173; Popenoe 1877: 37; Provancher 1877: 467; Hubbard and Schwarz 1878a: 641; Schwarz 1878: 463; Zesch and Reinecke 1881: 13; Brodie and White 1883a: 46, 1883b: 53; Harrington 1884: 83; Henshaw 1885: 124; Woodworth 1885: vi; Townsend 1886: 67; Brendel 1887: 62; Horn 1888: 34; Smith 1890: 238; Forbes 1891: 15; Blatchley 1895: 456; Hamilton 1895: 342; Knobel 1895: 28; Wolcott 1895: 310; Griffith 1900: 570; Smith 1900: 327; Bubna 1902: 197; Dury 1902: 174; Ulke 1903: 31; Houghton 1905: 213; Knaus 1905: 352; Dury 1906a: 255; Felt 1906: 731; Fall and Cockerell 1907: 206; Blatchley 1910: 1292; Leng 1910: 79; Smith 1910: 366; Tucker 1910: 236; Wickham 1911: 34; Faull 1913: 345; Walker 1913: 345; Blatchley 1914: 144; Adams 1915: 136; Weiss 1919: 132; Ravenel 1920: 193; Weiss 1920: 139; Weiss and West 1920: 10; Weiss 1921: 47; Sherborn 1932: 488; Graves 1960: 66; Pollock 2012: 19; Ciegler 2014: 31.

Eustrophys bicolor (Fabricius). Schwarz 1876: 148.

Eustrophinus bicolor (Fabricius). Champion 1916: 3; Leng 1920: 238; Barber 1921: 146; Hatch 1924a: 577; Leng and Davis 1924: 51; Leng 1928: 408; Van Dyke 1928: 252; Böving and Craighead 1931: 172; Wolcott and Montgomery 1933: 153; Brimley 1938: 194; Jaques 1941: 69; Montgomery and Amos 1941: 256; Howden and Vogt 1951: 591; Minch 1952: 32; Snow 1958: 84; Payne and Crossley 1966: 27; Kirk 1969: 69, 1970: 66; Viedma 1971: 729; Dillon and Dillon 1972: 484; Dolphin *et al.* 1972: 1599; Leschen 1990: 176; LeSage 1991: 246; Downie and Arnett 1996: 1144; Poole and Gentili 1996: 299; Williams *et al.* 1996: 37; Fagerlund 2000: 34; Taber 2008: 99; Pollock 2012: 19; Ciegler 2014: 31.

Eustrophopsis bicolor (Fabricius). Young and Pollock 2002: 415; Sikes 2004: 190; Gil 2008: 60; Pollock 2008: 277; Lawrence and Leschen 2010: 515; Ulyshen and Hanula 2010: 193; Majka *et al.* 2011: 200;

Ferro *et al.* 2012b: 30; Klepzig *et al.* 2012: 649; Pollock 2012: 19; Parys *et al.* 2013: 1493; Ciegler 2014: 31; Evans 2014: 328; Weinkauff 2015: 131; Karns 2017: 2; Maxey 2017: 5; Steury 2018: 26; Abbott and Abbott 2020: 226; Evans 2021: 332; Staines and Staines 2021: 42; Johnston *et al.* 2024b: 57; Traylor *et al.* 2025: 66.

Eutrophus bicolor (Fabricius). Sikes 2004: 190.

Distribution. BAHAMAS. CANADA: MB, ON, QC. MEXICO. UNITED STATES: AL, AR, AZ, CA, CO, CT, DC, DE, FL, GA, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, MT, NC, ND, NE, NH, NJ, NM, NY, OH, OK, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV, WY.

Note. Horn (1888: 35) synonymized *Eustrophinus indistinctus* (LeConte) with *Eustrophinus bicolor*. LeSage (1991: 246) followed this synonymy.

Eustrophopsis brunneimarginatus (Dury, 1906)

Eustrophus brunneimarginatus Dury 1906a: 254. Dury 1906b: 260; Blatchley 1910: 1292; Vulinec and Davis 1984: 235; Pollock 2012: 22; Ciegler 2014: 31.

Eustrophinus brunneimarginatus (Dury). Leng 1920: 238; Downie and Arnett 1996: 1144; Poole and Gentili 1996: 299; Pollock 2012: 22; Ciegler 2014: 31.

Eustrophopsis brunneimarginatus (Dury). Ciegler 2014: 31; Pollock 2008: 290, 2012: 22.

Distribution. UNITED STATES: AL, AR, FL, GA, IL, IN, KY, LA, MO, MS, NC, NH, OK, SC, TX, VA, WV.

Eustrophopsis confinis (LeConte, 1866)

Eustrophus confinis LeConte 1866b: 152. Crotch 1873: 112; Popenoe 1877: 37; Hubbard and Schwarz 1878a: 641; Schwarz 1878: 463; Henshaw 1885: 124; Horn 1888: 35; Smith 1890: 238; Hamilton 1893a: 275, 1893b: 327; Evans 1895: 174; Hamilton 1895: 342; Slosson 1895: 319; Bowditch 1896: 9; Dury 1906b: 260; Blatchley 1910: 1292; Wickham 1911: 34; Andrews 1916: 104, 1923: 380; Pollock 2008: 280, 2012: 17.

Eustrophys confinis (LeConte). Schwarz 1876: 148.

Eustrophinus confinis (LeConte). Leng 1920: 238, 1928: 408; Belkin 1933: 221; Hatch 1965: 66; Chantal 1985: 52; LeSage 1991: 246; Downie and Arnett 1996: 1144; Poole and Gentili 1996: 299; Pollock 2012: 17.

Eustrophopsis confinis (LeConte). Majka and Pollock 2006: 53; Majka 2007: 44; Pollock 2008: 280; Majka and Pollock 2010: 458; Majka *et al.* 2011: 200; Pollock 2012: 17; Bousquet *et al.* 2013: 246.

Distribution. CANADA: BC, MB, NS, ON, QC, SK. UNITED STATES: FL, IA, ID, KS, ME, MI, MT, NE, NH, NJ, NY, OH, PA, SD, WA, WI.

Eustrophopsis crowdyi Pollock, 2012

Eustrophopsis crowdyi Pollock 2012: 39. Johnston *et al.* 2024b: 57.

Distribution. UNITED STATES: AZ.

Eustrophopsis indistinctus (LeConte, 1852)

Eustrophus indistinctus LeConte 1852: 151. Melsheimer 1853: 143; LeConte 1866b: 152; Crotch 1873: 112; Henshaw 1885: 124; Snow 1885: 69; Horn 1888: 35; Fall and Cockerell 1907: 206; Snow 1907: 185; Woodworth 1913: 194; Poole and Gentili 1996: 299; Pollock 2012: 24.

Eustrophinus indistinctus (LeConte). Leng 1920: 238; LeSage 1991: 246; Pollock 2012: 24.

Eustrophopsis indistinctus (LeConte). Pollock 2008: 290, 2012: 24; Johnston *et al.* 2024b: 57.

Distribution. MEXICO: BS, CI. UNITED STATES: AZ, CA, CO, NM, OK, TX.

Note. Horn (1888: 35) synonymized *Eustrophinus indistinctus* with *Eustrophinus bicolor*, and LeSage (1991: 246) followed this synonymy. Pollock (2012: 25) removed *E. indistinctus* from synonymy with *E. bicolor*.

Eustrophopsis ornatus (Van Dyke, 1928)

Eustrophinus ornatus Van Dyke 1928: 251. Leng and Mutchler 1933: 36; Poole and Gentili 1996: 299; Pollock 2012: 32.

Eustrophopsis ornatus (Van Dyke). Pollock 2008: 290, 2012: 32; Johnston *et al.* 2024b: 57.

Distribution. MEXICO: JA, SO. UNITED STATES: AZ, NM.

Eustrophus tomentosus Say, 1827

Mycetophagus niger Melsheimer 1806: 14 [catalog name]. Lacordaire 1859: 541; Melsheimer 1846: 58; Pollock 2008: 273, 2012: 14.

Mycetophagus tomentosus Melsheimer 1806: 14 [catalog name]. Say 1827: 239; Pollock 2012: 14.
Eustrophus tomentosus Say 1827: 239. Harris 1833: 576, 1835: 47; Melsheimer 1853: 143; Lacordaire 1859: 541; Pettit 1869: 132; Crotch 1873: 112; Summers 1875: 93; Popenoe 1877: 37; Provancher 1877: 466; Hubbard and Schwarz 1878a: 641; Zesch and Reinecke 1881: 13; Brodie and White 1883a: 46, 1883b: 53; Harrington 1884: 83; Henshaw 1885: 124; Horn 1888: 35; Smith 1890: 238; Hamilton 1895: 342; Blatchley 1895: 456; Hopkins 1899: 440; Smith 1900: 327; Blatchley 1902: 238; Bubna 1902: 197; Dury 1902: 174; Smith and Fiske 1902: 33; Wickham 1902: 296; Young 1903: 160; Ulke 1903: 31; Blatchley 1910: 1293; Smith 1910: 366; Wickham 1911: 34; Faull 1913: 345; Shelford 1913: 234; Walker 1913: 345; Adams 1915: 136; Champion 1916: 1; Leng 1920: 238; Leng and Davis 1924: 51; Leng 1928: 409; Sherborn 1932: 488; Brimley 1938: 194; Malkin 1941: 211; Craighead 1950: 214; Downie 1956: 121; Hatch 1965: 66; Arnett 1968: 728; Kirk 1969: 69; Baker 1972: 125; Dillon and Dillon 1972: 484; Chantal 1985: 54; Leschen 1990: 176; LeSage 1991: 246; Downie and Arnett 1996: 1144; Poole and Gentili 1996: 299; Werle 2002: 43; Young and Pollock 2002: 416; Williams and Hartzler 2003: 16; Majka and Pollock 2006: 53; Majka 2007: 44; Gil 2008: 60; Pollock 2008: 273; Bishop *et al.* 2009: 338; Ulyshen and Hanula 2009: 663; Klepzig *et al.* 2012: 649; Pollock 2012: 14; Webster *et al.* 2012: 230; Young 2013: 8; Bousquet *et al.* 2013: 246; Ciegler 2014: 31; Telfer *et al.* 2015: 38; Webster *et al.* 2016: 475; Karns 2017: 2; Steury 2018: 26; Marché 2019: 2; DiGirolomo *et al.* 2021: 163; Evans 2021: 332; Webster *et al.* 2022: 62; Johnston *et al.* 2024b: 57; Traylor *et al.* 2025: 66.

Eustrophus niger Melsheimer 1846: 58. Melsheimer 1853: 143; Leng 1920: 238; Sherborn 1932: 488; LeSage 1991: 246; Poole and Gentili 1996: 299; Pollock 2008: 273, 2012: 14.

Eustrophys tomentosus (Say): Schwarz 1876: 148.

Distribution. CANADA: BC, MB, NB, NS, ON, PE, QC. UNITED STATES: AL, AR, AZ, CA, CO, CT, DC, DE, FL, GA, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, MT, NC, ND, NE, NH, NJ, NM, NY, OH, OK, OR, PA, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV.

Hallomenus basalis Mannerheim, 1853

Hallomenus basalis Mannerheim 1853: 267. LeConte 1866a: 66; Crotch 1873: 112; Henshaw 1885: 124; Hamilton 1894: 33; Leng 1920: 238; LeSage 1991: 246; Poole and Gentili 1996: 299.

Distribution. CANADA: BC. UNITED STATES: AK.

Notes. LeSage (1991: 246), Hamilton (1894: 33), Henshaw (1885: 124), and Poole and Gentili (1996: 299) suggested that *H. punctulatus* and *H. basalis* may be synonymous. Beyond the original description, only Hamilton (1894: 33) listed additional specimens (from Glenora, BC).

Hallomenus binotatus (Quensel, 1790)

Chrysomela binotatus Quensel 1790: 14. [Name not found in North American literature.]

Elateroides boleti Kugelann in Rehn 1792: 239. Poole and Gentili 1996: 299. [Name not otherwise found in North American literature.]

Ips elateroides Kugelann in Rehn 1792: 239. Poole and Gentili 1996: 299. [Name not otherwise found in North American literature]

Hallomenus humeralis Panzer 1793: 17. Melsheimer 1846: 57; Janson 1859: 142; Fowler 1891: 38; Johnston 1905: 184; Poole and Gentili 1996: 299.

Hallominus bipunctatus Paykull 1799: 179. Latreille 1802: 177; Poole and Gentili 1996: 299; Nikitsky 2020: 46.

Hallomenus punctulatus LeConte 1866b: 152. LeConte 1866a: 66; Crotch 1873: 112; LeConte 1878: 619; Snow 1879: 70; Snow 1881: 73; Henshaw 1885: 124; Wickham 1893a: 2, 1893b: 230; Hamilton 1894: 33; Wickham 1895: 164; Evans 1906: 100; Fall and Cockerell 1907: 206; Snow 1907: 185; Wickham 1911: 34; Faull 1913: 345; Walker 1913: 345; Leng 1920: 238; Criddle 1926: 97; Fall 1926: 200; Leng and Davis 1924: 51; Leng 1928: 409; Hatch 1965: 67; Chantal 1985: 57; LeSage 1991: 246; Poole and Gentili 1996: 299; Fagerlund 2000: 34; Paquin and Duperré 2001: 79; Majka and Pollock 2010: 458; Majka *et al.* 2011: 200; Bousquet *et al.* 2013: 246.

Hallomenus binotatus (Quensel). Schaeffer 1917: 358; Leng 1920: 238; Weiss 1924: 237; Wallace 1953: 163; Young 1976: 231; Chantal 1985: 58; LeSage 1991: 246; Nikitsky and Schigel 2004: 21; Bousquet *et al.* 2013: 246; Webster *et al.* 2016: 319; Nikitsky 2020: 46.

Hallomenus binotata (Quensel). Poole and Gentili 1996: 299.

Distribution. CANADA: BC, MB, MN, NB, ON, QC, YT. UNITED STATES: AK, IA, ME, NM, NY, WI. EUROPE: 33 countries. ASIA: 2 countries (Nikitsky 2020: 46).

Notes. Bousquet *et al.* (2013: 246) reported this species as adventive in North America; Fall (1926: 200) recorded it from Yukon Territory, a record missed by Bousquet *et al.* (2013). Numerous records of this species in Europe were found but not included. When describing *H. punctulatus*, LeConte (1866b: 152) commented that it resembles *H. basalis* “except that the elytra are feebly striate”. Hamilton (1894: 33), Henshaw (1885: 124), and Poole and Gentili (1996: 299) suggested that *H. punctulatus* and *H. basalis* may be synonymous. Chantal (1985: 58) mentioned that *H. punctulatus* and *H. binotatus* will be synonymized in a different publication but did not provide a citation. Nikitsky (1998: 35) synonymized *H. punctulatus* with *H. binotatus*. Many state and province records were given under the name *H. punctulatus*.

***Hallomenus debilis* LeConte, 1866**

Hallomenus debilis LeConte 1866b: 152. Crotch 1873: 112; Hubbard and Schwarz 1878a: 641; LeConte 1878: 619; Henshaw 1885: 124; Ulke 1903: 31; Young 1903: 160; Dury 1906b: 260; Blatchley 1910: 1294; Andrews 1916: 104; Leng 1920: 238; Andrews 1923: 380; Chantal 1985: 59; LeSage 1991: 246; Downie and Arnett 1996: 1145; Poole and Gentili 1996: 299; Werle 2002: 43; Bousquet *et al.* 2013: 246; Ciegler 2014: 30; Webster *et al.* 2016: 320.

Distribution. CANADA: MB, NB, QC. UNITED STATES: DC, IL, IN, MI, MN, MO, NC, NY, OH, SC, TN.

Notes. LeConte (1862: 45) associated “*Hallomenus niger* Hald.” with *Anaspis* “*nigra* Lec.”, a species within what is now Scraphiidae. Snow (1877: 20), collecting beetles in Colorado, reported “*Anaspis nigra*, Hald. abundant everywhere below timber line, upon Solidago”, reinforcing the notion that the species is a scraphiid. However, Leng (1920: 238) listed “*Hallomenus niger* Hald. 48-99” within Melandryidae. Poole and Gentili (1996: 299) and LeSage (1991: 246) listed *Hallomenus niger* Haldeman (1848: 99) as a possible synonym of *H. debilis*. Johnston *et al.* (2024a: 193) placed *H. niger* as a synonym of *Anaspis* (*Anaspis*) *nigrina* Csiki (Scraphiidae).

***Hallomenus puncticollis* (Blatchley, 1917)**

Mycetochares puncticollis Blatchley 1917: 276. Marshall 1964: 214; Campbell 1977: 328.

Hallomenus puncticollis (Blatchley). Marshall 1964: 214; Campbell 1977: 328; Poole and Gentili 1996: 299; Ciegler 2014: 30.

Distribution. UNITED STATES: FL, ?SC.

Notes. Blatchley (1917: 276) originally described this species within the family Alleculidae (now Alleculinae within Tenebrionidae). Marshall (1964: 214) placed it “tentatively” in *Hallomenus*. Campbell (1977: 328) independently came to the same conclusion. Ciegler (2014: 30) reported *H. puncticollis* from South Carolina; however, that identification is tentative pending a review of the genus.

***Hallomenus reticulatus* Motschoulsky, 1872**

Hallomenus reticulatus Motschoulsky 1872: 43. Champion 1898: 69; Poole and Gentili 1996: 299.

Distribution. UNITED STATES: GA.

Notes. Collection of additional specimens after the original description of the species has not been reported in the literature.

***Hallomenus scapularis* Melsheimer, 1846**

Hallomenus scapularis Melsheimer 1846: 57. Haldeman 1848: 99; Melsheimer 1853: 142; LeConte 1854: 219; LeConte 1866a: 66; Pettit 1869: 132; Crotch 1873: 112; Popenoe 1877: 37; Hubbard and Schwarz 1878b: 662; LeConte 1878: 619; Zesch and Reinecke 1881: 13; Brodie and White 1883a: 46, 1883b: 53; Harrington 1884: 83; Henshaw 1885: 124; Brendel 1887: 62; Smith 1890: 238; Wickham 1894: 50; Hamilton 1895: 342; Smith 1900: 328; Davis 1902: 42; Dury 1902: 174; Wickham 1902: 296; Ulke 1903: 31; Young 1903: 160; Fall and Cockerell 1907: 206; Blatchley 1910: 1294; Smith 1910: 366; Wickham 1911: 34; Woodworth 1913: 194; Schaeffer 1917: 358; Leng 1920: 238; Weiss 1921: 47; Andrews 1923: 380; Hatch 1924a: 577; Leng 1928: 409; Brimley 1938: 195; Hatch 1965: 67; Kirk 1969: 69; Chantal 1985: 57; Johnson 1989: 15; Leschen 1990: 176; LeSage 1991: 246; Downie and Arnett 1996: 1144; Poole and Gentili 1996: 299; Hammond 1997: 1030; Sikes 2004: 190; Majka and Pollock 2006: 52; Epps and Arnold 2010: 790; Lawrence and Leschen 2010: 515; Majka and Pollock 2010: 458; Majka *et al.* 2011: 200; Bousquet *et al.* 2013: 246; Young 2013: 8; Ciegler 2014: 30; Evans 2014: 328; Pollock 2015: 2; Webster *et al.* 2016: 320; Epps and Arnold 2018: 275; Steury 2018: 26; Chiasson and Moreau 2021: 9; Evans 2021: 332; Ruesink and Parsons 2023: 12; Johnston *et al.* 2024b: 57.

Mycetocharus ruficornis Melsheimer 1846: 59. LeConte 1866b: 152; Bousquet *et al.* 2018: 259.
Hallomenus luridus Haldeman 1848: 99. Melsheimer 1853: 142; LeConte 1854: 219; LeConte 1866a: 66, 1866b: 152; Leng 1920: 238; LeSage 1991: 246; Poole and Gentili 1996: 299.
Mycetochares ruficornis (Melsheimer). Melsheimer 1853: 141; LeConte 1854: 219, 1866a: 66.
Hallomenus ruficornis (Melsheimer). Leng 1920: 238; LeSage 1991: 246; Poole and Gentili 1996: 299.
Hallomenus scalpularis Melsheimer. Weiss and West 1920: 10.

Distribution. CANADA: BC, NB, NS, ON, QC. UNITED STATES: AL, AR, AZ, CA, CO, DC, IA, IL, IN, GA, KS, ME, MI, NC, NH, NJ, NM, NY, OH, OR, PA, RI, SC, VA, WA, WI.

Notes. LeConte (1854: 219, 1866b: 152) synonymized *M. ruficornis* and *H. luridus* with *H. scalpularis*. Unaware of the synonymy, Bousquet *et al.* (2018: 259) updated the nomenclature and placed *M. ruficornis* into *Mycetochara* Guérin-Méneville, 1827 (Tenebrionidae: Alleculinae).

Hallomenus serricornis LeConte, 1878

Hallomenus serricornis LeConte 1878: 619. Hubbard and Schwarz 1878b: 662; Austin 1880: 40; Henshaw 1885: 124; Champion 1898: 69; Leng 1920: 238, 1928: 409; Hatch 1965: 67; Chantal 1985: 58; LeSage 1991: 246; Downie and Arnett 1996: 1144; Poole and Gentili 1996: 299; Paquin and Dupérré 2001: 79; Webster *et al.* 2012: 228; Bousquet *et al.* 2013: 246; Pollock 2015: 2; Webster 2016: 475; Johnston *et al.* 2024b: 58.

Xeuxes brevicollis Champion 1889: 86. Nikitsky 1998: 34; Pollock 2015: 2; Nikitsky 2020: 46.

Distribution. MEXICO: Durango. CANADA: AB, BC, MB, NB, ON, QC. UNITED STATES: AZ, CA, ?CO, MI, NY.

Notes. Wickham's (1902) list of Coleoptera of Colorado included "*Hallomenus scalpularis* Melsh. Durango, Bowditch." on the last line of page 296, and "*H. scalpularis* Lec. Little Willow Creek, Bowditch." on the first line of page 297. Differing authors and collection localities indicate that the line wasn't simply repeated. The second "*scalpularis*" almost certainly was an error for "*serricornis*", which would satisfy author and alphabetical arrangement.

Holostrophus bifasciatus (Say, 1824)

Mycetophagus 4 maculatus Melsheimer 1806: 14 [catalog name]. Pollock 2012: 12.

Eustrophus bifasciatus Say 1824: 282. Melsheimer 1853: 143; Walsh 1866: 21; Pettit 1869: 132; Crotch 1873: 112; Summers 1875: 93; Popenoe 1877: 37; Hubbard and Schwarz 1878b: 662; Zesch and Reinecke 1881: 13; Brodie and White 1883a: 46, 1883b: 53; Harrington 1884: 83; Henshaw 1885: 124; Smith 1890: 238; Knobel 1895: 28; Smith 1900: 327; Davis 1902: 42; Fletcher 1904: 97; Stevenson 1904: 36; Leng 1910: 79; Smith 1910: 366; Frost 1912: 308; Faull 1913: 345; Walker 1913: 345; Sherborn 1932: 488; Nikitsky 1998: 48; Pollock 2008: 271, 2012: 12; Ciegler 2014: 32; Nikitsky 2020: 45.

Eustrophus 4-maculatus Melsheimer 1846: 58. Pollock 2008: 271, 2012: 12.

Eustrophus quadrimaculatus Melsheimer 1846: 58. Harris 1835: 47; Sherborn 1932: 488; Poole and Gentili 1996: 299.

Eustrophus 4-maculata Melsheimer 1853: 143.

Hallomenus 4-pustulatus (Melsheimer). Melsheimer 1853: 142.

Holostrophus bifasciatus (Say). Horn 1888: 36; Hamilton 1895: 342; Champion 1898: 66; Dury 1902: 174; Ulke 1903: 31; Young 1903: 160; Blatchley 1910: 1293; Smith 1910: 366; Wickham 1911: 34; Champion 1916: 10; Leng 1920: 238; Barber 1921: 146; Leng and Davis 1924: 51; Leng 1928: 409; Brimley 1938: 194; Craighead 1950: 214; Kirk 1969: 69, 1970: 66; Baker 1972: 125; Dillon and Dillon 1972: 485; Chantal 1985: 55; Leschen 1990: 176; LeSage 1991: 246; Downie and Arnett 1996: 1144; Poole and Gentili 1996: 299; Young and Pollock 2002: 416; Sikes 2004: 191; Majka and Pollock 2006: 53; Majka 2007: 44; Pollock 2008: 27; Epps and Arnold 2010: 792; Majka and Pollock 2010: 458; Ulyshen and Hanula 2010: 193; Majka *et al.* 2011: 201; Ferro *et al.* 2012a: 80, 2012b: 30; Pollock 2012: 12; Evans 2014: 329; Ciegler 2014: 32; Karns 2017: 2; Steury 2018: 27; Staines and Staines 2021: 43.

Holostrophus quadrimaculatus (Melsheimer). Horn 1888: 36; LeSage 1991: 246.

Holostrophus 4-maculatus (Melsheimer). Leng 1920: 238.

Distribution. CANADA: NS, ON, PE, QC. UNITED STATES: AL, AR, CT, DC, DE, FL, GA, IA, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, NC, NE, NH, NJ, NY, OH, PA, RI, SC, TN, TX, VA, WI, WV.

Note. Harris (1835: 47) listed *Eustrophus quadrimaculatus* as a species present in Massachusetts. Presumably he was referring to *Mycetophagus 4 maculatus* Melsheimer (1806: 14) and not to *Eustrophus 4-maculatus* Melsheimer (1846: 58).

***Penthe obliquata* (Fabricius, 1801)**

Helops obliquatus Fabricius 1801a: 162. Silbermann 1836: 113; Cuvier 1837: 61; Newman 1838: 374; Schaum 1859: 85; Scudder 1869: 45; Suffrian 1870: 295; Bouchard and Pollock 2009: 65; Bousquet and Bouchard 2013: 58; Nikitsky 2020: 45.

Penthe obliquata (Fabricius). Newman 1838: 374; Melsheimer 1853: 141; LeConte 1866a: 66; Pettit 1869: 132; Suffrian 1870: 296; Dimmock 1871: 4; Crotch 1873: 111; Dimmock 1873: 23; Summers 1875: 93; Popenoe 1877: 37; Provancher 1877: 465; Hubbard and Schwarz 1878a: 641, 1878b: 662; Zesch and Reinecke 1881: 13; Brodie and White 1883a: 45, 1883b: 53; Hayward and Savage 1883: 37; Harrington 1884: 83; Henshaw 1885: 124; Townsend 1886: 67; Brendel 1887: 62; Smith 1890: 237; Forbes 1891: 15; Evans 1895: 174; Blatchley 1895: 456; Hamilton 1895: 342; Knobel 1895: 28; Wickham 1895: 164; Smith 1900: 326; Bubna 1902: 197; Davis 1902: 42; Dury 1902: 173; Ulke 1903: 31; Young 1903: 160; Blatchley 1910: 1290; Leng 1910: 79; Smith 1910: 364; Frost 1912: 308; Walker 1913: 344; Adams 1915: 137; Andrews 1916: 104; Leng 1920: 238; Weiss 1920: 139; Weiss and West 1920: 9; Andrews 1923: 380; Hatch 1924a: 577, 1924b: 304; Leng and Davis 1924: 51; Leng 1928: 408; Brimley 1930: 138; Sherborn 1932: 808; Park and Strohecker 1936: 49; Moennich 1937: 169; Brimley 1938: 194; Montgomery and Amos 1941: 256; Procter 1946: 168; Comstock 1949: 514; Edwards 1949: 113; Dowdy 1955: 83; Minch 1952: 32; Graves 1960: 72; Kirk 1969: 69, 1970: 66; Dillon and Dillon 1972: 482; White 1983: 264; Chantal 1985: 49; Leschen 1990: 175; Dearborn and Donahue 1993: 46; Poole and Gentili 1996: 445; Downie and Arnett 1996: 1143; Paquin and Duperré 2001: 79; Shockley and Cline 2004: 283; Sikes 2004: 190; Cline and Leschen 2005: 419; Majka and Pollock 2006: 52; Evans 2008: 51; Bouchard and Pollock 2009: 65; Majka and Pollock 2010: 458; Majka *et al.* 2011: 200; Webster *et al.* 2012: 227; Bousquet and Bouchard 2013: 58; Bousquet *et al.* 2013: 246; Ciegler 2014: 29; Evans 2014: 328; Webster 2016: 475; Steury 2018: 27; Staines and Staines 2021: 43; Webster *et al.* 2022: 61; Ruesink and Parsons 2023: 12.

Pyrrocis obliquata (Fabricius). Laporte 1840: 237.

Anorops obliquatus (Fabricius). Duponchel 1841: 613; Bouchard and Pollock 2009: 65; Bousquet and Bouchard 2013: 58.

Helops obliquata Fabricius. LeConte 1866a: 66; Ciegler 2014: 29.

Distribution. CANADA: MB, NB, NS, ON, PE, QC. UNITED STATES: AR, CT, DC, GA, IA, IL, IN, KS, LA, MA, MD, ME, MI, MO, NC, NH, NJ, NY, OH, PA, RI, SC, TX, VA, VT.

***Penthe pimelia* (Fabricius, 1801)**

Helops pimelia Fabricius 1801a: 162. Lepeletier de Saint-Fargeau and Audinet-Serville 1825: 27; Silbermann 1836: 113; Cuvier 1837: 61; Lacordaire 1859: 730; Schaum 1859: 85; LeConte 1866a: 66; Suffrian 1870: 295; Ciegler 2014: 29; Bouchard *et al.* 2021: 225.

Scaurus viennensis Sturm 1807: 180. Dejean 1821: 64; Lepeletier de Saint-Fargeau and Audinet-Serville 1825: 27; Cuvier 1837: 61; Lacordaire 1859: 730; Bouchard and Bousquet 2020: 7; Bouchard *et al.* 2021: 225. [See notes.]

Laena pimelia (Fabricius). Dejean 1821: 64; Cuvier 1837: 61; Laporte 1840: 237; Marseul 1857: 115; Bouchard and Bousquet 2020: 7. [See notes.]

Laena viennensis (Sturm). Dejean 1821: 64; Lepeletier de Saint-Fargeau and Audinet-Serville 1825: 27; Lacordaire 1859: 730; Schaum 1859: 85. [See notes.]

Penthe funerea Newman 1838: 374. Lacordaire 1859: 730; LeConte 1866a: 66; Suffrian 1870: 295; Sherborn 1932: 808; Poole and Gentili 1996: 445.

Pyrrocis lesueuri Laporte 1840: 237.

Penthe pimelia (Fabricius). Melsheimer 1853: 141; Lacordaire 1859: 730; LeConte 1866a: 66; Pettit 1869: 132; Suffrian 1870: 297; Dimmock 1871: 15; Crotch 1873: 111; Dimmock 1873: 23; Popenoe 1877: 37; Provancher 1877: 465; Hubbard and Schwarz 1878b: 662; Zesch and Reinecke 1881: 13; Brodie and White 1883a: 45, 1883b: 53; Hayward and Savage 1883: 38; Harrington 1884: 83; Henshaw 1885: 124; Woodworth 1885: vi; Brendel 1887: 62; Smith 1890: 237; Forbes 1891: 15; Hamilton 1893a: 275, 1893b: 327; Blatchley 1895: 456; Hamilton 1895: 342; Knobel 1895: 28; Smith 1900: 326; Bubna 1902: 197; Davis 1902: 42; Dury 1902: 173; Ulke 1903: 31; Young 1903: 160; Fall and Cockerell 1907: 205; Blatchley 1910: 1290; Leng 1910: 79; Smith 1910: 364; Wickham 1911: 34; Shelford 1913: 247; Walker 1913: 344; Adams 1915: 137; Leng 1920: 238; Hatch 1924b: 304; Leng and Davis 1924: 51; Leng 1928: 408; Brubaker 1934: 46; Park and Strohecker 1936: 49; Brimley 1938: 194; Montgomery and Amos 1941: 256; Procter 1946: 168; Comstock 1949: 514; Edwards 1949: 113; Graves 1960: 72; Kirk 1970: 66; Dillon and Dillon 1972: 483; White 1983: 264; Chantal 1985: 50; Leschen 1990: 175; Dearborn and Donahue 1993: 46;

Downie and Arnett 1996: 1143; Poole and Gentili 1996: 445; Fagerlund 2000: 34; Paquin and Duperré 2001: 79; Shockley and Cline 2004: 283; Sikes 2004: 190; Majka and Pollock 2006: 52; Evans 2008: 51; Bishop *et al.* 2009: 338; Epps and Arnold 2010: 792; Lawrence and Leschen 2010: 516; Majka and Pollock 2010: 458; Majka *et al.* 2011: 200; Webster *et al.* 2012: 225; Bousquet *et al.* 2013: 246; Ciegler 2014: 29; Evans 2014: 328; Webster *et al.* 2016: 475; Steury 2018: 27; Abbott and Abbott 2020: 226; Bouchard and Bousquet 2020: 7; Chiasson and Moreau 2021: 9; Ruesink and Parsons 2023: 12.

Helops pimelius Fabricius. Scudder 1869: 96.

Penthe lesueuri (Laporte). Poole and Gentili 1996: 445.

Distribution. CANADA: MB, NB, NS, ON, PE, QC. UNITED STATES: AR, CT, DC, FL, GA, IA, IL, IN, KS, MD, MA, ME, MI, MO, NC, NH, NJ, NM, NY, OH, PA, RI, SC, TX, VA, VT.

Notes. *Scaurus viennensis* Sturm, 1807 (now *Laena viennensis* (Sturm, 1807); Tenebrionidae: Lagriinae: Laenini) was misidentified as *Helops pimelia* Fabricius, 1787 (now *Penthe pimelia*; Tetratomidae) by Dejean (1821: 64). See Bouchard *et al.* (2021: 225) for a full explanation. During 1821 through 2021, mentions of *L. pimelia*, *L. viennensis*, or *S. viennensis* may have referred to *L. viennensis* (sensu novo) or *P. pimelia* (sensu novo). *Pimelia anglica* Gmelin (Poole and Gentili 1996: 445) is a name not found the North American literature.

Pisenus humeralis (Kirby, 1837)

Cryptophagus concolor Kirby 1837: 112. LeConte 1870: 398; Horn 1872a: 32; Bethune 1876: 49; Horn 1876: 167; Brodie and White 1883a: 31, 1883b: 40; Poole and Gentili 1996: 445.

Cryptophagus humeralis Kirby 1837: 112. LeConte 1870: 398; Horn 1872a: 32; Crotch 1873: 42; Bethune 1876: 48; Horn 1876: 167; Zesch and Reinecke 1881: 6; Brodie and White 1883a: 31, 1883b: 40; Ciegler 2014: 29.

Triphyllus ruficornis LeConte 1866b: 72 (not LeConte 1861: 105, referring to *Triphyllus ruficornis* Melsheimer). LeConte 1870: 398; Dimmock 1871: 10; Horn 1872a: 32; Crotch 1873: 42; Dimmock 1873: 13; Horn 1876: 167; Couper 1882: 172; Poole and Gentili 1996: 445.

Cryptophagus ruficornis (LeConte). Crotch 1873: 42.

Triphyllus humeralis (Kirby). Crotch 1873: 42; Hubbard and Schwarz 1878b: 652; Brodie and White 1883a: 31, 1883b: 40.

Pisenus humeralis (Kirby). Casey 1900: 171; Ulke 1903: 31; Blatchley 1910: 1289; King 1914: 340; Leng 1920: 238; Downing 1924: 220; Leng 1928: 408; Park 1931: 200; Brimley 1938: 194; Graves 1960: 66; Kirk 1969: 68; Dillon and Dillon 1972: 482; Chantal 1985: 48; Leschen 1988: 338, 1990: 175; Downie and Arnett 1996: 1142; Poole and Gentili 1996: 445; Young and Pollock 2002: 415; Cline and Leschen 2005: 419; Lawrence and Leschen 2010: 517; Webster *et al.* 2012: 226; Bousquet *et al.* 2013: 246; Ciegler 2014: 29; Webster *et al.* 2016: 474; Steury 2018: 27; Ruesink and Parsons 2023: 12.

Pisenus concolor (Kirby). Leng 1920: 238.

Pisenus ruficornis (LeConte). Leng 1920: 238.

Distribution. CANADA: NB, ON, QC. UNITED STATES: AR, DC, IA, IL, IN, MA, MI, NC, NY, PA, SC, VA.

Pisenus pubescens Casey, 1900

Pisenus pubescens Casey 1900: 172. Leng 1920: 238; Leschen 1990: 176; Poole and Gentili 1996: 445; Young and Pollock 2002: 415.

Distribution. UNITED STATES: AR, VA.

Notes. Leschen (1990) contains the only published report of a captured specimen after the description of this species. Leschen (1990) reported collecting both *P. humeralis* and *P. pubescens* during a study in Arkansas, suggesting that *P. pubescens* may be a valid species.

Pseudoholostrophus impressicollis (LeConte, 1874)

Eustrophus impressicollis LeConte 1874: 69. Austin 1880: 40; Henshaw 1885: 124; Horn 1888: 36; Pollock 2008: 268, 2012: 8.

Holostrophus impressicollis (LeConte). Horn 1888: 36; Champion 1898: 66; Leng 1920: 238; Woodworth 1913: 194; Hatch 1965: 67; LeSage 1991: 246; Poole and Gentili 1996: 299; Pollock 2012: 8.

Pseudoholostrophus impressicollis (LeConte). Nikitsky 1998: 40; Young and Pollock 2002: 416; Pollock 2008: 268, 2012: 8; Bousquet *et al.* 2013: 247.

Distribution. CANADA: BC. **UNITED STATES:** CA, NV, OR, WA.

***Pseudoholostrophus discolor* (Horn, 1888)**

Holostrophus discolor Horn 1888: 37. Henshaw 1889: 7; Champion 1898: 66; Leng 1920: 238; Chantal 1985: 56; LeSage 1991: 246; Downie and Arnett 1996: 1144; Poole and Gentili 1996: 299; Sikes 2003: 19, 2004: 191; Pollock 2008: 269, 2012: 10.

Pseudoholostrophus discolor (Horn). Nikitsky 1998: 40; Young and Pollock 2002: 416; Pollock 2008: 269, 2012: 10; Webster *et al.* 2012: 218; Bousquet *et al.* 2013: 247; Webster *et al.* 2016: 475; Karns 2017: 2; Ferro and D'Silva 2025: 530.

Pseudoholostrophus discolour (Horn). Webster *et al.* 2012: 225.

Distribution. CANADA: NB, QC. **UNITED STATES:** IN, MA, MD, NC, NH, OH, PA, RI, TN, VA.

***Synstrophus repandus* (Horn, 1888)**

Eustrophus repandus Horn 1888: 33. Henshaw 1889: 7; Wickham 1894: 50; Evans 1895: 174; Wickham 1895: 164; Champion 1898: 65; Fall 1901: 177; Dury 1902: 174; Ulke 1903: 31; Young 1903: 160; Felt 1906: 667; Snow 1906: 173; Blatchley 1910: 1292; Leng 1911: 215; Wickham 1911: 34; Gibson 1912: 101; Blatchley 1914: 144; Champion 1916: 8; Graves 1960: 66; Pollock 2008: 282, 2012: 46; Ciegler 2014: 32.

Synstrophus repandus (Horn). Leng 1920: 238; Hatch 1924a: 577; Leng 1928: 409; Van Dyke 1928: 252; Brimley 1930: 138; Tanner 1934: 46; Moennich 1937: 169; Malkin 1945: 103; Arnett 1968: 728; Kirk 1969: 69; Chantal 1985: 54; Leschen 1990: 176; LeSage 1991: 246; Downie and Arnett 1996: 1144; Poole and Gentili 1996: 300; Young and Pollock 2002: 416; Evans 2008: 51; Pollock 2008: 282; Majka and Pollock 2010: 458; Vlach *et al.* 2010: 76; Majka *et al.* 2011: 200; Ferro *et al.* 2012b: 30; Pollock 2012: 46; Webster *et al.* 2012: 230; Bousquet *et al.* 2013: 246; Young 2013: 8; Ciegler 2014: 32; Webster *et al.* 2016: 475; Karns 2017: 2; Evans 2021: 332.

Distribution. CANADA: BC, MB, NB, NS, ON, QC. **UNITED STATES:** AL, AR, AZ, CA, CT, DC, DE, FL, GA, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, MT, NC, ND, NE, NH, NJ, NY, OH, OK, OR, PA, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV, WY.

***Tetratoma canadensis* Nikitsky and Chantal, 2004**

Tetratoma canadensis Nikitsky and Chantal in Nikitsky 2004: 29. Bousquet *et al.* 2013: 245; Webster *et al.* 2016: 319, 2022: 61.

Distribution. CANADA: NB, PE, QC.

***Tetratoma concolor* LeConte, 1879**

Tetratoma concolor LeConte 1879: 518. Austin 1880: 40; Snow 1882: 44; Wickham 1893a: 2, 1893b: 230; Henshaw 1885: 124; Champion 1898: 65; Casey 1900: 168; Wickham 1902: 296; Fall and Cockerell 1907: 205; Snow 1907: 185; Woodworth 1913: 194; Leng 1920: 238; Fall 1926: 200; Hatch 1965: 64; Johnson 1989: 15; Poole and Gentili 1996: 445; Hammond 1997: 1033; Fagerlund 2000: 34; Paquin and Duperré 2001: 80; Carson 2002: 35; Young and Pollock 2002: 415; Esch 2012: 112; Bousquet *et al.* 2013: 245; Elias 2014: 598; Evans 2021: 331; Johnston *et al.* 2024b: 58.

Distribution. CANADA: AB, BC, MB, ON, QC, SK, YT. **UNITED STATES:** AK, AZ, CA, CO [present time and 93–87,000 years ago (Elias 2014: 598)], NM, OR, WA.

***Tetratoma longipennis* (Casey, 1900)**

Incolia longipennis Casey 1900: 170. Blatchley 1910: 1289; Leng 1920: 238; Arnett 1968: 728; Downie and Arnett 1996: 1142; Poole and Gentili 1996: 445.

Tetratoma longipennis (Casey). Young and Pollock 2002: 415.

Distribution. UNITED STATES: ID, ?IN.

Notes. The origin of the holotype was uncertain when the species was described: “Indiana?... The locality is reasonably certain, but the type bore no label in the cabinet of the late Dr. Levette.” (Casey 1900: 170). Downie and Arnett (1996: 1142) reported the species from Idaho, possibly based on two specimens in the Florida State Collection of Arthropods (FSCA) from Blaine Co., Idaho identified as *T. longipennis*; otherwise, no additional specimens of the species have been reported in the literature.

***Tetratoma tessellata* Melsheimer, 1844**

Mycetophagus tessellatus Melsheimer 1806: 14 [catalog name]. Melsheimer 1844a: 114.

Tetratoma tessellata Melsheimer 1844a: 114. LeConte 1866a: 66; Crotch 1873: 111; Hubbard and Schwarz 1878a: 641; Zesch and Reinecke 1881: 13; Henshaw 1885: 124; Bowditch 1896: 9; Slosson 1896: 263; Smith 1900: 326; Dury 1902: 173; Young and Pollock 2002: 415; Ulke 1903: 31; Nikitsky 2004: 30; Majka and Pollock 2006: 48; Bishop *et al.* 2009: 338; Smith 1910: 364; Majka *et al.* 2011: 200; Webster *et al.* 2012: 225; Bousquet *et al.* 2013: 245; Ciegler 2014: 28; Evans 2014: 327; Steury 2018: 27; Chiasson and Moreau 2021: 9; Ruesink and Parsons 2023: 12; Traylor *et al.* 2025: 67.

Abstrulia maculata Casey 1900: 169. Leng 1920: 238; Poole and Gentili 1996: 445.

Abstrulia tessellata (Melsheimer). Casey 1900: 169; Blatchley 1910: 1289; Frost 1915: 269; Leng 1920: 238; Leng and Davis 1924: 51; Leng 1928: 408; Frost 1931: 6; Belkin 1933: 221; Brimley 1938: 194; Procter 1946: 168; Kirk 1969: 68, 1970: 66; Chantal 1985: 46; Leschen 1990: 175; Dearborn and Donahue 1993: 46; Downie and Arnett 1996: 1142; Poole and Gentili 1996: 445; Nikitsky 2004: 30; Ciegler 2014: 28.

Tetratoma tessellata Melsheimer. Webster *et al.* 2016: 474, 2022: 61.

Distribution. CANADA: NB, NS, ON, PE, QC. UNITED STATES: AR, DC, GA, IN, MA, ME, MI, NC, NH, NJ, NY, OH, PA, SC, VA.

***Tetratoma truncorum* LeConte, 1866**

Tetratoma truncorum LeConte 1866b: 145. LeConte 1866a: 66; Walsh 1866: 21; Pettit 1869: 132; Crotch 1873: 111; Provancher 1877: 464; Zesch and Reinecke 1881: 13; Brodie and White 1883a: 45, 1883b: 53; Harrington 1884: 83; Henshaw 1885: 124; Townsend 1886: 67, 1889: 234; Smith 1890: 237; Hamilton 1895: 342; Casey 1900: 167; Smith 1900: 326; Bubna 1902: 197; Dury 1902: 173; Ulke 1903: 31; Blatchley 1910: 1288; Smith 1910: 364; Wickham 1911: 34; Walker 1913: 344; Leng 1920: 238; Leng 1928: 408; Brimley 1938: 194; Kirk 1969: 68; Chantal 1985: 46; Leschen 1988: 338, 1990: 176; Downie and Arnett 1996: 1142; Poole and Gentili 1996: 445; Young and Pollock 2002: 415; Bousquet *et al.* 2013: 245; Evans 2014: 327; Ciegler 2014: 28; Ruesink and Parsons 2023: 12.

Distribution. CANADA: ON, QC. UNITED STATES: AR, DC, IA, IN, MI, NC, NJ, NY, OH, OK, PA, SC, VA.

***Tetratoma variegata* (Casey, 1900)**

Abstrulia variegata Casey 1900: 169. Dury 1910: 67; Leng 1920: 238; Chantal 1985: 47; Downie and Arnett 1996: 1142; Poole and Gentili 1996: 445; Nikitsky 2004: 29.

Abstrulia variegata Casey. Carson 2002: 35 (“*Abstrulia* (nr.) *variegata* Casey”).

Tetratoma variegata (Casey). Young and Pollock 2002: 415; Nikitsky 2004: 29; Majka and Pollock 2010: 458; Majka *et al.* 2011: 200; Esch 2012: 112; Webster *et al.* 2012: 226; Bousquet *et al.* 2013: 245; Webster *et al.* 2016: 319.

Distribution. CANADA: AB, NF, QC. UNITED STATES: ME, OH, PA, TX.

Notes. The Texas record is from Downie and Arnett (1996: 1142), which provided no citation. Webster *et al.* (2016: 319) determined that previous records of *T. variegata* from New Brunswick were incorrect.

***Triphyllia elongata* (LeConte, 1875)**

Triphyllus elongatus LeConte 1875: 171. Fletcher 1906: 101; Woodworth 1913: 237.

Eupisenus elongatus (LeConte). Casey 1900: 171; Leng 1920: 238; Hatch 1965: 64; Arnett 1968: 728; Lawrence 1974a: 8, 1974b: 12; Poole and Gentili 1996: 445; Nikitsky 1998: 29.

Triphyllia elongatus (LeConte). Poole and Gentili 1996: 445; Young and Pollock 2002: 415; Caterino 2006: 187; Bousquet *et al.* 2013: 246.

Triphyllia elongata (LeConte). Nikitsky 1988: 155; Lawrence and Leschen 2010: 516.

Distribution. CANADA: BC, ON. UNITED STATES: AK, CA, OR, WA.