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Author(s): Christopher E. Carlton, Ted C. MacRae, Alexey K. Tishechkin, Victoria L. Bayless and Wood Johnson

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ANNOTATED CHECKLIST OF THE BUPRESTIDAE (COLEOPTERA) FROM LOUISIANA

CHRISTOPHER E. CARLTON
Louisiana State Arthropod Museum
Louisiana State University Agricultural Center
Baton Rouge, LA 70808, USA
ccarl@lsu.edu

TED C. MACRAE
c/o Monsanto Company
700 Chesterfield Parkway West
Chesterfield, MO 63017-1732, USA

ALEXEY K. TISHECHKIN
Plant Pest Diagnostics Center, CDFA
3294 Meadowview Road
Sacramento, CA 95832, USA

VICTORIA L. BAYLESS
Louisiana State Arthropod Museum
Louisiana State University Agricultural Center
Baton Rouge, LA 70808, USA

AND

WOOD JOHNSON
USDA Forest Service, Forest Health Protection
2500 Shreveport Hwy, Pineville, LA 71360, USA

ABSTRACT

We report 110 species of Buprestidae from the state of Louisiana, 103 species based on 5,047 specimens examined and seven from previous literature records. Fifteen new state records are reported, including the first published records of *Agrius planipennis* Fairmaire, 1888 (emerald ash borer), which is now established in the northern parishes of the state. Two new state records are based on specimens taken during biomonitoring surveys using the buprestid specialist wasp *Cerceris fumipennis* (Say, 1837). Potential larval and host plants of buprestid species in Louisiana and collection date ranges of specimens examined are provided.

Key Words: metallic wood borers, emerald ash borer, taxonomic checklist, forest pests, *Cerceris fumipennis*

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The establishment and spread of *Agrius planipennis* Fairmaire, 1888 (emerald ash borer, EAB) has generated a surge of interest in collecting and surveying buprestid beetles across the potential North American range of EAB. This invasive pest of ash, *Fraxinus* spp. (Oleaceae), is spreading throughout eastern North America and is now established as far south and west as northern Louisiana and northeast Texas (Harrison County, texasforests.tamu.edu/content/article.aspx?id=24246, accessed 4 October 2017).

Establishing effective survey and monitoring protocols and determining the pre-EAB diversity and distribution of buprestids are critical in assessing impacts of EAB on native flora and fauna,

particularly on native buprestids and buprestid predators and parasitoids. To that end, we updated identifications and created a database of buprestid beetle holdings in the Louisiana State Arthropod Museum (Louisiana State University, Baton Rouge, Louisiana, USA) (LSAM). We also obtained Louisiana records from entomology collections in other southeastern US states and the US National Museum. We included records of buprestids collected from burrow aggregations of *Cerceris fumipennis* (Say, 1837) (Hymenoptera: Crabronidae) during surveys at several localities in central and south-central Louisiana (results reported by Johnson *et al.* 2015). *Cerceris fumipennis* is a specialized predator of buprestid beetles, which has been widely used

as a biomonitoring tool for buprestids in eastern North America (Marshall *et al.* 2005). Historical museum records and recent *C. fumipennis* buprestid records are compiled here into a checklist of buprestid beetle occurrence, abundance, and distributions in Louisiana. We included notes on potential larval and adult host plants in Louisiana, as well as comments on collection date ranges and collecting events.

MATERIAL AND METHODS

This work is based on authoritatively identified specimens housed in the LSAM, Mississippi Entomological Museum (MEM, Mississippi State, MS), US National Museum of Natural History, Smithsonian Institution (USNM, Washington, DC), Texas A&M Insect Collection (TAMU, College Station, TX), Florida State Collection of Arthropods (FSCA, Gainesville, FL), and the personal collection of TCM. Most unidentified or questionably identified Louisiana specimens from the LSAM and MEM were sent to one of the authors (TCM) for identification or confirmation. Specimens within the genera *Melanophila* Eschscholtz and *Phaenops* Dejean were identified by R. L. Westcott (Oregon Department of Agriculture, Salem). TAMU specimens were identified by the former curator, Edward Riley. Records based on USNM specimens were compiled by AKT. Additional identifications were provided by Crystal Maier, Field Museum of Natural History, Chicago, IL and confirmed by TCM.

LSAM specimen data and those obtained during *C. fumipennis* monitoring were entered into the LSAM's Specify 6 database. When georeference coordinates were not provided by collectors (the vast majority of pre-2000 records), they were approximated retroactively using the Geolocate feature in Specify for place names or through searches using Google Earth or Google Maps. Georeference sources are indicated in Specify to allow users to interpret levels of precision. A downloaded file of all specimen data is available on request.

Collecting methods and other relevant data recorded on labels of specimens examined are noted in comments. Collection date ranges are based on earliest and latest dates on labels, with high concentrations of monthly occurrences noted. Additional potential host plants in Louisiana, both larval and adult, were deduced by comparing hosts reported by Nelson *et al.* (2008) (and other previously reported hosts omitted from that work, as compiled by TCM and R. L. Westcott) and two later works (Hansen *et al.* 2012; MacRae and Basham 2013) with known distributions of plant species in Louisiana. Occurrences of questionable host species were checked by consulting records in the Cyberflora of Louisiana database (www.

cyberfloralouisiana.com, accessed 12 July 2016) and/or the US Department of Agriculture Plants Database (plants.usda.gov/java/, accessed 13 July 2016).

RESULTS

This checklist includes records based on 5,047 adult buprestid specimens. Records from FSCA, MEM, and TAMU represented 63, 102, and 306 specimens, respectively. Twenty-three species are also represented by Louisiana specimens in the USNM, none of which are unique records. Seven additional Louisiana "state only" records are cited from Nelson *et al.* (2008) and included literature citations. Seventeen species are represented by single specimens.

With the inclusion of previously published records, 110 species are recorded for Louisiana, including 15 reported here as **new state records**, two based on specimens captured from *C. fumipennis* wasps and one represented by EAB. Species represented in surveys using *C. fumipennis* are highlighted in the checklist comments by "***C. fumipennis* prey**".

CHECKLIST OF THE BUPRESTIDAE OF LOUISIANA

Family Buprestidae
Subfamily Polycestinae
Tribe Polycestini

1. *Polycesta (Tularenia) elata* LeConte, 1858

Parish records ($n = 1$): Concordia Parish (LSAM).
Potential larval host in Louisiana: *Platanus occidentalis* L.
Collection date range: 24 May–7 June (trap service interval).
Comments: Collected using canopy Malaise trap.

Tribe Ptosimini

2. *Ptosima gibbicollis* (Say, 1823)

Parish records ($n = 4$): Union and West Feliciana Parishes (LSAM).
Potential larval host in Louisiana: *Cercis canadensis* L. Adults reported also on *Prunus serotina* Ehrh. and *Sassafras albidum* (Nutt.) Nees.
Collection date range: 18 March–8 April.
Comments: Collection methods unspecified.

3. *Ptosima idolynae* Frost, 1923

Parish records ($n = 2$): East Baton Rouge Parish (LSAM).
Potential larval host in Louisiana: *Crataegus* sp. Adults reported also on *Gleditsia triacanthos* L.
Collection date range: 6 May.

Comments: **New state record:** East Baton Rouge Par., Highland Rd. Park, 6 May 2011, collected as *C. fumipennis* prey, 30.3491°N, 91.0741°W, W. Virgets ($n = 2$).

Tribe Haplostethini

4. *Mastogenius crenulatus* Knull, 1934

Parish records ($n = 46$): Ascension, Concordia, East Baton Rouge, Morehouse, Plaquemines, Natchitoches, St. Tammany, West Baton Rouge, and West Feliciana Parishes (FSCA, LSAM, TAMU).

Potential larval hosts in Louisiana: *Carya illinoensis* (Wangenh.) K. Koch, *Cercis canadensis*, *Juglans nigra* L., *Quercus alba* L., and *Quercus phellos* L. Adults reported also on *Acer saccharum* Marsh., *Salix* sp., and *Quercus falcata* Michx.

Collection date range: 12 March–3 May, six reared specimens emerged February–May.

Comments: Collected at light, by flight intercept traps, reared from ‘miscellaneous dead limbs’, from unspecified coarse, woody debris, and by sweeping.

5. *Mastogenius subcyaneus* (LeConte, 1860)

Parish records ($n = 2$): West Feliciana Parish (LSAM).

Potential larval hosts in Louisiana: *Carya illinoensis*, *Cercis canadensis*, *Ostrya virginiana* (Mill.) K. Koch, and *Quercus* sp. (prob. *Q. palustris* Muenchh.). Adults reported also on *Cornus* sp.

Collection date range: 6 April–8 May.

Comments: Collected using pitfall trap and method unspecified.

Tribe Acmaeoderini

6. *Acmaeodera* (s. str.) *ornata* (Fabricius, 1775)

Parish records ($n = 2$): Bossier and Caddo Parishes (LSAM, MEM).

Potential larval hosts in Louisiana: Unknown. Adults reported on *Persea borbonia* (L.) Spreng. and *Quercus alba*.

Collection date range: 17–30 April.

Comments: **New state record:** Bossier Parish, Barksdale Air Force Base, 30 Apr. 1996, on *Coreopsis lanceolata* in calcareous prairie, 32.4913°N, 93.5152°W, D. M. Pollock ($n = 1$); Caddo Parish, 5 mi N Vivian on LA-1, 17 Apr. 1969, on flower, 32.9616°N, 93.9935°W, M. S. Strother ($n = 1$).

7. *Acmaeodera* (s. str.) *pulchella* (Herbst, 1801)

Parish records ($n = 50$): Acadia, Bossier, Caddo, Cameron, Catahoula, DeSoto, East Baton Rouge, Jefferson, Jefferson Davis, Natchitoches, Red River, St. Tammany,

Tangipahoa, Vernon, Webster, and Winn Parishes (LSAM, MEM, TAMU, USNM).

Potential larval hosts in Louisiana: *Acer* sp., *Crataegus* sp., *Gleditsia triacanthos*, and *Taxodium distichum* (L.) Rich. Adults reported also on *Acer saccharinum* L., *Diospyros virginiana* L. and *Quercus alba*.

Collection date range: 12 March–24 August, mostly during June ($n = 17$).

Comments: Collected by hand ‘on flowers,’ using Malaise traps, and as *C. fumipennis* prey.

8. *Acmaeodera* (s. str.) *texana* LeConte, 1860

Parish records ($n = 1$): Claiborne Parish (TAMU).

Potential larval hosts in Louisiana: Unknown. Collection date range: 6 July.

Comments: Collection method unspecified.

9. *Acmaeodera* (s. str.) *tubulus* (Fabricius, 1801)

Parish records ($n = 118$): Acadia, Avoyelles, Bossier, Catahoula, DeSoto, East Baton Rouge, Grant, Iberville, Jackson, Lafayette, Natchitoches, St. Landry, St. Tammany, Vernon, Washington, Webster, and Winn Parishes (LSAM, MEM, TAMU, USNM).

Potential larval hosts in Louisiana: *Betula nigra* L., *Carya glabra* (Mill.) Sweet, *Carya illinoensis*, *Carya ovata* (Mill.) K. Koch, *Carya tomentosa* (Lam.) Nutt., *Celtis occidentalis* L., *Cercis canadensis*, *Crataegus viridis* L., *Gleditsia triacanthos*, *Juglans nigra*, *Ostrya virginiana*, *Quercus alba*, *Salix* sp., *Ulmus crassifolia* Nutt., and *Ulmus rubra* Muhl. Adults reported also on *Juniperus virginiana* L., *Quercus velutina* Lam., *Sapindus saponaria* L., and *Taxodium distichum*.

Collection date range: 8 March–9 September, mostly during April ($n = 84$) and May ($n = 25$).

Comments: Collected by hand, beating, using flight intercept, Lindgren funnel, Malaise, and sticky traps, sweeping ‘*Aster* sp.’ and as *C. fumipennis* prey.

Subfamily Chrysochroinae

Tribe Poecilnotini

10. *Poecilnota cyanipes* (Say, 1823)

Parish records ($n = 4$): Bossier and East Baton Rouge Parish (LSAM, MEM).

Potential larval hosts in Louisiana: *Populus deltoides* Marsh., *Robinia pseudoacacia* L., and *Salix nigra* Marsh.

Collection date range: 13–22 May.

Comments: Collected by beating and as *C. fumipennis* prey.

11. *Poecilnota thureura* (Say, 1832)

Parish records ($n = 43$): East Baton Rouge Parish (LSAM).

Potential larval host in Louisiana: *Salix nigra*.
 Adults reported also on *Cercis canadensis*.
 Collection date range: 6 May–2 July, mostly during May ($n = 39$).
 Comments: Collected only as *C. fumipennis* prey.

Tribe Chrysochroini

12. *Chalcophora georgiana* (LeConte, 1857)

Parish records ($n = 6$): St. Bernard, St. Tammany, and Washington Parishes (LSAM, USNM).
 Potential larval hosts in Louisiana: *Pinus echinata* Mill., *Pinus palustris* Mill., and *Pinus taeda* L.
 Collection date range: 15 February–5 August.
 Comments: Collected at UV and mercury vapor lights.

13. *Chalcophora virginiensis* (Drury, 1770)

Parish records ($n = 71$): Assumption, Bienville, Caddo, Calcasieu, DeSoto, East Baton Rouge, East Feliciana, Franklin, Grant, Iberville, La Salle, Livingston, Natchitoches, Orleans, Rapides, St. Tammany, Tangipahoa, Vernon, and Washington Parishes (LSAM, MEM, TAMU).
 Potential larval hosts in Louisiana: *Pinus echinata*, *P. palustris*, and *P. taeda*.
 Collection date range: 9 March–4 November, with no apparent pattern between dates.
 Comments: Collected at light, by hands on ‘loblolly pine,’ flight intercept, Lindgren funnel and pitfall traps, and rearing from ‘cypress.’

14. *Texania campestris* (Say, 1823)

Parish records ($n = 9$): Acadia, Franklin, Grant, Natchitoches, and Winn Parishes and ‘Louisiana’ (LSAM, USNM).
 Potential larval hosts in Louisiana: *Acer saccharum*, *Fagus grandifolia* Ehrh., *Platanus occidentalis*, *Salix nigra*, and *Tilia americana* L. Adults reported also on *Liriodendron* sp. and *Quercus* sp.
 Collection date range: 17 January–18 May.
 Comments: Collected by hand, using canopy Malaise traps, and as *C. fumipennis* prey.

15. *Texania langeri* (Chevrolat, 1853)

Literature record only.
 Potential larval hosts in Louisiana: Unknown.
 Comments: The type locality of this species is “Greenville, pres de la Nouvelle Orleans.” Greenville was a city formerly in Jefferson Parish. The city was annexed by New Orleans and became part of Orleans Parish.

Tribe Dicercini

16. *Dicerca asperata* (Laporte and Gory, 1837)

Parish records ($n = 4$): Assumption, Grant, and Iberville Parishes (LSAM).

Potential larval hosts in Louisiana: *Carya* sp. and *Quercus alba*. Adults reported also on *Pinus* sp. and *Taxodium distichum*.
 Collection date range: 16 April–12 November.
 Comments: Collecting methods unspecified.

17. *Dicerca caudata* LeConte, 1860

Literature record only.
 Potential larval hosts in Louisiana: *Alnus* sp. and *Betula nigra*. Adults reported also on *Crataegus* sp. and *Prunus persica* (L.) Batsch.
 Comments: This is mainly a northern, transcontinental North American species with Louisiana as the southernmost record (Nelson 1975).

18. *Dicerca juncea* Knull, 1958

Parish records ($n = 11$): Orleans and St. Tammany Parishes (LSAM, USNM).
 Potential larval hosts in Louisiana: Unknown.
 Adults reported on *Acer* sp., *Cyrilla racemiflora* L., *Prunus persica*, and *Quercus* sp.
 Collection date range: 18 April–8 September.
 Comments: Collected using Malaise traps.

19. *Dicerca lepida* LeConte, 1857

Parish records ($n = 2$): Franklin and Natchitoches Parishes (FSCA, LSAM).
 Potential larval hosts in Louisiana: *Crataegus coccinea* L. and *Ostrya virginiana*. Adults reported also on *Quercus* sp. and *Ulmus rubra*.
 Collection date range: 16 April–17 May.
 Comments: Collected using canopy Malaise trap.

20. *Dicerca lurida* (Fabricius, 1775)

Parish records ($n = 304$): Avoyelles, Caddo, Concordia, DeSoto, East Baton Rouge, Evangeline, Franklin, Grant, Livingston, Madison, Natchitoches, Orleans, Plaquemines, St. Landry, St. Martin, St. Tammany, Tensas, Webster, and Winn Parishes (LSAM, TAMU, USNM).
 Potential larval hosts in Louisiana: *Carpinus caroliniana* Walt., *Carya cordiformis* (Wangenh.) K. Koch, *Carya glabra*, *Carya laciniosa* (Michx. f.) G. Don, *Prunus caroliniana* (Mill.) Ait., *Salix exigua* Nutt., and *Tilia americana*. Adults reported also on *Carya ovata*, *Quercus alba*, *Quercus falcata*, and *Quercus velutina*.
 Collection date range: 20 January–11 November, mostly in May ($n = 96$) and June ($n = 99$), five reared specimens emerged in June and September.

Comments: Collected by hand, using canopy Malaise and Malaise traps, reared from ‘dead hickory limbs’ and ‘miscellaneous dead limbs’, and as *C. fumipennis* prey.

21. *Dicerca obscura* (Fabricius, 1781)

Parish records ($n = 103$): Bossier, Concordia, East Baton Rouge, Franklin, Grant, Iberville, Orleans, and West Feliciana Parishes (FSCA, LSAM, MEM, TAMU, USNM).

Potential larval host in Louisiana: *Diospyros virginiana*. Adults reported also on *Carya* sp. and *Quercus* sp.

Collection date range: 30 April–9 October, mostly in May ($n = 16$) and June ($n = 53$).

Comments: Collected by hand and using canopy Malaise traps, also as *C. fumipennis* prey.

22. *Dicerca punctulata* (Schoenherr, 1817)

Parish records ($n = 7$): East Baton Rouge, Webster, and Winn Parishes (LSAM, TAMU).

Potential larval hosts in Louisiana: *Pinus echinata*, *Pinus elliottii* Engelm., and *Pinus taeda*.

Collection date range: 15 May–17 June.

Comments: Collection methods unspecified, and as *C. fumipennis* prey.

23. *Dicerca spreta* (Gory, 1841)

Parish records ($n = 9$): Allen, Orleans, and West Feliciana Parishes (LSAM).

Potential larval host in Louisiana: *Nyssa sylvatica* Marsh.

Collection date range: 1 March–19 June, seven reared specimens emerged in June–September.

Comments: Reared from unidentified wood. Other collection methods unspecified.

24. *Lampetis* (*Spinthoptera*) *drummondi* (Laporte and Gory, 1837)

Literature record only.

Potential larval hosts in Louisiana: Unknown. Adults reported on *Carya illinoensis*, *Euphorbia* sp., *Gleditsia triacanthos*, *Gossypium* sp., *Salix* sp., and *Tamarix* sp.

Comments: Nelson (1986) recorded specimens collected in Rapides Parish.

Tribe Buprestinae

Tribe Actenodini

25. *Actenodes acornis* (Say, 1833)

Parish records ($n = 130$): Bossier, Concordia, East Baton Rouge, St. Tammany, Union, West Feliciana, and Winn Parishes (FSCA, LSAM, TAMU).

Potential larval hosts in Louisiana: *Acer rubrum* L., *Acer saccharum*, *Betula nigra*, *Carya glabra*, *Carya illinoensis*, *Carya laciniata*, *Carya ovata*, *Cornus florida* L., *Fagus grandifolia*, *Fagus sylvatica* L., *Quercus laurifolia* Michx., and *Q. velutina*. Adults reported also on *Cercis canadensis*, *Diospyros virginiana*, and *Quercus prinoides* Willd.

Collection date range: 18 April–17 July, mostly in May ($n = 91$) and June ($n = 31$), two reared specimens emerged in June and July.

Comments: Collected at light, by hand, in canopy and ground-based Malaise and flight intercept traps, and reared from 'hickory limbs', also as *C. fumipennis* prey.

26. *Actenodes auronotata* Gory and Laporte, 1837

Parish records ($n = 1$): Jefferson Parish (LSAM). Potential larval hosts in Louisiana: *Avicennia germinans* (L.) L., *Baccharis halimifolia* L., and *Taxodium distichum*.

Collection date: 16 July.

Comments: **New state record:** Jefferson Parish, Grand Isle, 16 July 2004, blacklight, 29.2277°N, 90.0122°W, A. K. Tishechkin ($n = 1$).

27. *Actenodes calcaratus* (Chevrolat, 1835)

Parish records ($n = 1$): Cameron Parish (LSAM). Potential larval hosts in Louisiana: *Vachellia farnesiana* (L.) Wight & Arn. Adults also reported also on *Parkinsonia* sp. and *Prosopis glandulosa* Torr.

Collection date: 12 June.

Comments: Collection method unspecified.

28. *Actenodes davidi* Nelson, 1979

Parish records ($n = 152$): East Baton Rouge and Winn Parishes (LSAM).

Potential larval host in Louisiana: *Gleditsia triacanthos*.

Collection date range: 6 May–12 July, mostly in May ($n = 99$).

Comments: Collected only as *C. fumipennis* prey.

Tribe Buprestini

29. *Buprestis* (*s. str.*) *consularis* Gory, 1840

Parish records ($n = 59$): East Baton Rouge, Franklin, Grant, Livingston, and Winn Parishes (LSAM).

Potential larval host in Louisiana: *Pinus taeda*.

Collection date range: 16 April–14 October, mostly in May ($n = 41$).

Comments: Collected at light and by beating, also as *C. fumipennis* prey.

30. *Buprestis* (*s. str.*) *lineata* Fabricius, 1775

Parish records ($n = 142$): Bienville, Caddo, East Baton Rouge, East Feliciana, Grant, Lincoln, Livingston, Natchitoches, Ouachita, Rapides, St. Tammany, West Feliciana, and Winn Parishes (LSAM, MEM).

Potential larval hosts in Louisiana: *Pinus echinata*, *Pinus palustris*, and *P. taeda*.

Collection date range: 9 April–28 October, mostly in May ($n = 73$) and June ($n = 30$).

- Comments: Collected at light and by hand; also using Lindgren funnel and pitfall traps, and as *C. fumipennis* prey.
- 31. *Buprestis* (s. str.) *maculipennis* Gory, 1840**
Parish records ($n = 133$): East Baton Rouge, Grant, Livingston, Rapides, and Winn Parishes (LSAM).
Potential larval host in Louisiana: *Pinus taeda* and *Taxodium distichum*.
Collection date range: 5 May–4 October, mostly in May ($n = 94$).
Comments: Collected using pheromone and Lindgren funnel traps, and as *C. fumipennis* prey.
- 32. *Buprestis* (*Cypriacis*) *striata* Fabricius, 1775**
Parish records ($n = 2$): East Baton Rouge and Winn Parishes (LSAM).
Potential larval host in Louisiana: *Pinus palustris*.
Collection date range: 27 February–18 May.
Comments: Collection method unspecified and as *C. fumipennis* prey.
- 33. *Buprestis* (*Knulloibuprestis*) *rufipes* Olivier, 1790**
Parish records ($n = 350$): Acadia, Ascension, Bossier, Catahoula, East Baton Rouge, Grant, Iberville, Lincoln, Livingston, Rapides, St. James, St. Tammany, West Feliciana, and Winn Parishes (FSCA, LSAM, MEM, TAMU, USNM).
Potential larval hosts in Louisiana: *Acer saccharinum*, *Acer saccharum*, *Carya* sp., *Fagus grandifolia*, *Liriodendron tulipifera* L., *Nyssa sylvatica*, *Quercus alba*, *Quercus palustris*, *Quercus virginiana*, *Ulmus americana*, and *Ulmus rubra*. Adults reported also on *Platanus occidentalis*.
Collection date range: 6 March–4 October, mostly in May ($n = 203$) and June ($n = 81$), 19 reared specimens emerged in April–August.
Comments: Collected at light and by hand and using Lindgren funnel and pitfall traps. Reared from unspecified coarse, woody debris; also as *C. fumipennis* prey.
- 34. *Buprestis* (*Stereosa*) *apricans* Herbst, 1801**
Parish records ($n = 10$): East Feliciana, Grant, and Winn Parishes (LSAM).
Potential larval hosts in Louisiana: *Pinus echinata*, *Pinus palustris*, and *Pinus taeda*.
Collection date range: 9 April–7 July.
Comments: Collected using Lindgren funnel traps, also as *C. fumipennis* prey.
- 35. *Buprestis* (*Stereosa*) *decora* Fabricius, 1775**
Parish records ($n = 1$): East Baton Rouge Parish (LSAM).
Potential larval hosts in Louisiana: *Pinus palustris* and *Pinus echinata*.
Collection date: 15 June.
Comments: Collecting method unspecified.
- 36. *Trachykele lecontei* (Gory, 1841)**
Parish records ($n = 6$): “Magnolia, Louisiana,” presumed Assumption Parish (LSAM, USNM).
Potential larval host in Louisiana: *Taxodium distichum*.
Collection date: 25 March.
Comments: Reared from ‘cypress.’ The entire series is from a single rearing event during 1924.
- Tribe Anthaxiini
- 37. *Agrilaxia flavimana* (Gory, 1841)**
Parish records ($n = 11$): Caddo, Concordia, East Baton Rouge, St. Tammany, and Webster Parishes (LSAM, MEM).
Potential larval hosts in Louisiana: *Cercis canadensis*, *Pinus echinata*, *Prunus domestica* L., *Quercus alba*, *Quercus macrocarpa* Michx., *Quercus muehlenbergii* Engelm., *Quercus stellata* Wangenh., *Quercus virginiana*, and *Ulmus crassifolia*.
Collection date range: 7–25 May.
Comments: Collected at light, using canopy Malaise traps, and by sweeping.
- 38. *Anthaxia* (*Haplanthaxia*) *cyanella* Gory, 1841**
Parish records ($n = 12$): East Baton Rouge, Tensas, and West Feliciana Parishes (LSAM).
Potential larval hosts in Louisiana: *Amelanchier arborea* (Michx. f.) Fern., *Betula nigra*, *Carya* sp., *Cercis canadensis*, *Crataegus coccinea*, *Gleditsia triacanthos*, *Quercus nigra*, *Quercus velutina*, and *Vitis* sp. Adults reported also on *Ostrya virginiana*, *Prunus americanus* Marsh., *Rhus aromatica* Ait., and *Ulmus rubra*.
Collection date range: 17 May–22 July. Nine reared specimens emerged June–July.
Comments: Collected using boll weevil pheromone and sticky traps. Reared from unspecified coarse, woody debris.
- 39. *Anthaxia* (*Haplanthaxia*) *dichroa* Bilý, 1991**
Parish records ($n = 3$): East Baton Rouge and Grant Parishes (FSCA, LSAM).
Potential larval hosts in Louisiana: *Vitis* spp.
Collection date range: 9–17 May (trap service interval) and June (date unspecified).
Comments: Collected using boll weevil pheromone trap and reared from dead limbs (emerged June).
- 40. *Anthaxia* (*Haplanthaxia*) *fisheri* Obenberger, 1928**
Parish records ($n = 4$): DeSoto, St. Landry, and Tensas Parishes (FSCA, LSAM).

Potential larval hosts in Louisiana: *Prunus americana*. Adults reported also on *Acer* sp., *Gleditsia triacanthos*, and *Prunus serotina*.
Collection date range: 27 April–18 May.
Comments: Collected using boll weevil pheromone trap.

41. *Anthaxia (Haplanthaxia) quercata* (Fabricius, 1801)

Parish records ($n = 81$): Bossier, Caddo, Catahoula, East Baton Rouge, East Feliciana, Grant, Jefferson Davis, Livingston, Natchitoches, Rapides, St. Helena, St. Landry, St. Tammany, and Webster Parishes (FSCA, LSAM, MEM, TAMU).

Potential larval hosts in Louisiana: *Pinus echinata* and *Pinus* sp. possibly *taeda*; records of larvae (but not adults) utilizing angiosperms probably not this buprestid species (MacRae 2006). Adults reported on *Carya tomentosa*, *Corylus americana* Walt., *Prunus americana*, *Quercus coccinea*, *Quercus laurifolia*, *Quercus palustris*, *Quercus rubra*, *Quercus stellata*, *Quercus velutina*, and *Sassafras albidum*.

Collection date range: 19 April–31 May, mostly in April ($n = 49$).

Comments: Collected at light, by beating and using boll weevil pheromone traps.

42. *Anthaxia (Haplanthaxia) viridicornis* (Say, 1823)

Parish records ($n = 2$): East Baton Rouge Parish (LSAM).

Potential larval hosts in Louisiana: *Salix caroliniana*, *Salix exigua*, and *Salix nigra*; records of larvae utilizing *Carya* spp., *Quercus* spp., and *Ulmus* spp. probably not this buprestid species (MacRae 2006). Adults reported also on *Populus* sp. and *Salix babylonica* L.

Collection date range: 26 February–23 April.

Comments: Collected by beating and sweeping.

43. *Anthaxia (Haplanthaxia) viridifrons* Gory, 1841

Parish records ($n = 15$): Bossier, Catahoula, East Baton Rouge, Grant, St. Landry, St. Martin, and Tensas Parishes (FSCA, LSAM, MEM).

Potential larval hosts in Louisiana: *Amelanchier arborea*, *Carya cordiformis*, *Carya glabra*, *Carya illinoensis*, *Carya ovata*, *Carya tomentosa*, *Morus* sp., *Ulmus americana*, *Ulmus crassifolia*, and *Ulmus rubra*; records of larvae utilizing *Salix* spp. and *Vitis* spp. probably not this buprestid species (MacRae 2006). Adults reported also on *Acer saccharum*, *Asimina triloba* (L.) Dunal, *Carya cordiformis*, *Cercis canadensis*, *Crataegus* sp., *Fraxinus americana*

L., *Gleditsia triacanthos*, *Juglans nigra*, *Malus* sp., *Quercus alba*, *Quercus rubra*, *Rubus* sp., and *Ulmus alata* Michx.

Collection date range: 8 April–12 May.

Comments: Collected at light and boll weevil pheromone traps.

Tribe Xenorhipidini

44. *Xenorhipis brendeli* LeConte, 1866

Parish records ($n = 3$): East Baton Rouge and Franklin Parishes (LSAM).

Potential larval hosts in Louisiana: *Betula nigra*, *Carya glabra*, *Carya illinoensis*, *Carya laciniata*, *Carya ovata*, *Cercis canadensis*, and *Quercus alba*. Adults reported also on *Fagus* sp., *Gleditsia triacanthos*, *Quercus virginiana*, and *Quercus velutina*.

Collection date range: 15 May–17 July.

Comments: Collected using canopy Malaise traps, also as *C. fumipennis* prey.

Tribe Melanophilini

45. *Melanophila atropurpurea* (Say, 1823)

Parish records ($n = 1$): St. Tammany Parish (LSAM).

Potential larval host in Louisiana: Unknown, possibly *Pinus* spp.

Collection date: 13 August.

Comments: **New State Record:** St. Tammany Parish, 4.2 mi N Abita Springs, 30.5162°N, 89.9547°W, collected at mercury vapor light, 13 Aug. 2007, V. Brou ($n = 1$).

46. *Melanophila notata* (Laporte and Gory, 1837)

Parish records ($n = 1$): East Baton Rouge Parish (LSAM).

Potential larval hosts in Louisiana: *Pinus* spp. Adults reported also on *Pinus echinata*.

Collection date: 10 August.

Comments: Collecting method unspecified for this specimen collected in 1926.

47. *Phaenops aeneola* (Melsheimer, 1845)

Parish records ($n = 6$): Caddo, Calcasieu, Grant, St. Helena, Tangipahoa, and Vernon Parishes.

Potential larval hosts in Louisiana: Unknown, probably *Pinus* spp. Adults reported on *Pinus echinata*.

Collection date range: 13 May–5 June.

Comments: All specimens collected by beating *Pinus* spp.

48. *Phaenops obtusa* (Horn, 1882)

Literature record only.

Potential larval hosts in Louisiana: *Pinus* spp.

Comments: Nelson and Westcott (1976) recorded a specimen beaten from *Pinus* sp. in Livingston Parish on 16 May.

Tribe Phrixini

49. *Spectralia gracilipes* (Melsheimer, 1845)

Parish records ($n = 19$): Concordia, East Baton Rouge, West Feliciana, and Winn Parishes (LSAM).

Potential larval hosts in Louisiana: *Fraxinus* sp., *Ostrya virginiana*, *Quercus alba*, *Quercus macrocarpa*, and *Quercus stellata*. Adults reported also on *Celtis* sp. and *Crataegus* sp.

Collection date range: 4 May–3 August, mostly in May ($n = 8$). Seven reared specimens emerged in May.

Comments: Collected by hand, using canopy Malaise traps, and by rearing from unspecified coarse, woody debris; also as *C. fumipennis* prey.

Tribe Chrysobothrini

50. *Chrysobothris adelpha* Harold, 1869

Parish records ($n = 17$): Concordia Parish (LSAM).

Potential larval hosts in Louisiana: *Amelanchier arborea*, *Carya glabra*, *Carya illinoensis*, *Carya laciniata*, *Carya ovata*, *Carya tomentosa*, *Prosopis glandulosa*. Adults reported also on *Fraxinus pennsylvanica* Marsh. and *Quercus* sp.

Collection date range: 30 April–15 July, mostly in June ($n = 8$).

Comments: All specimens collected by canopy Malaise traps.

51. *Chrysobothris caddo* Wellso and Manley, 2007

Parish records ($n = 54$): East Baton Rouge and Winn Parishes (LSAM).

Potential larval hosts in Louisiana: *Celtis laevigata* Willd. and *Cercis canadensis*.

Collection date range: 27 April–9 July, mostly in May ($n = 47$).

Comments: Collected only as *C. fumipennis* prey.

52. *Chrysobothris chlorocephala* Gory, 1841

Parish records ($n = 4$): East Baton Rouge and Evangeline Parishes (FSCA, TAMU).

Potential larval hosts in Louisiana: *Acer* sp., *Amelanchier arborea*, *Betula nigra*, *Carya glabra*, *Carya illinoensis*, *Cercis canadensis*, *Quercus nigra*, *Quercus stellata*, and *Vitis* sp. Adults reported also on *Acer rubrum* and *Quercus alba*.

Collection date range: Collected May; emerged May and June.

Comments: Collected by rearing from 'dead pecan limbs', 'dead hickory limbs', and 'misc. dead limbs.'

53. *Chrysobothris chrysoela* Illiger, 1800

Parish records ($n = 112$): Avoyelles, Concordia, East Baton Rouge, Lincoln,

Iberville, Livingston, Rapides, Richland, Sabine, St. Landry, St. Martin, St. Tammany, West Feliciana, and Winn Parishes (LSAM, TAMU, USNM).

Potential larval hosts in Louisiana: *Baccharis halimifolia*, *Betula nigra*, *Carya illinoensis*, *Celtis laevigata*, *Cercis canadensis*, *Diospyros virginiana*, *Ficus* sp., *Juglans nigra*, *Quercus falcata* (see Comments), *Taxodium distichum*, *Ulmus crassifolia*, and *Ximenia americana* L. Adults reported also on *Morella cerifera* (L.) Small, *Prunus persica*, *Salix* sp., and *Vitis* sp.

Collection date range: 7 February–28 November, especially April ($n = 12$) and May ($n = 11$); 69 reared specimens emerged February–July.

Comments: Collected by hand on 'oak' and 'live oak', using canopy Malaise, flight intercept, Lindgren funnel, Malaise, sticky traps, 'window pane trap on cypress', and reared from *Quercus falcata*, 'dead cypress limbs', 'dead pecan limbs', 'dead hickory limbs', 'miscellaneous dead limbs', and unspecified coarse, woody debris, also as *C. fumipennis* prey.

54. *Chrysobothris cribraria* Mannerheim, 1837

Parish records ($n = 26$): East Baton Rouge, Natchitoches, Rapides, St. Tammany, Washington, and Winn Parishes (FSCA, LSAM, MEM, TAMU).

Potential larval host in Louisiana: *Pinus echinata*. Adults reported also on *Pinus palustris* and *Pinus taeda*.

Collection date range: 1 April–17 June, also 25 October ($n = 3$), mostly in May ($n = 8$).

Comments: Collected by hand, using Leggett trap, and by 'beating pine.' Also as *C. fumipennis* prey.

55. *Chrysobothris dentipes* (Germar, 1824)

Parish records ($n = 22$): Natchitoches, St. Tammany, and Winn Parishes (LSAM, MEM, USNM).

Potential larval hosts in Louisiana: Unknown, probably *Pinus* spp. Adults reported on *Pinus echinata*, *Pinus elliotii*, *Pinus palustris*, and *Pinus taeda*.

Collection date range: 18 May–16 June, mostly in May ($n = 14$).

Comments: Collection methods unspecified and as *C. fumipennis* prey.

56. *Chrysobothris femorata* (Olivier, 1790)

Parish records ($n = 13$): Acadia, East Baton Rouge, East Feliciana, and St. Tammany Parishes (LSAM, USNM).

Potential larval hosts in Louisiana: *Acer negundo* L., *Acer rubrum*, *Acer saccharinum*, *Carpinus*

caroliniana, *Carya illinoensis*, *Cercis canadensis*, *Cornus florida*, *Crataegus crus-galli* L., *Malus* spp., *Platanus occidentalis*, *Populus deltoides*, *Prunus armeniaca* L., *Prunus domestica*, *Prunus persica*, *Prunus serotina*, *Tilia americana*, *Ulmus Americana*, and *Ulmus parvifolia* Jacq. Many larval host plants reported for this species prior to the recent revision of the *C. femorata* species-group (Wellso and Manley 2007) likely refer to other species, especially oaks, which this species does not normally utilize. Adults reported also on *Betula nigra*, *Fraxinus pennsylvanica*, *Gleditsia triacanthos*, *Salix exigua*, *Sorbus aucuparia* L., *Tilia cordata* Mill., and *Ulmus rubra*.

Collection date range: 9 April–16 July, mostly in June ($n = 5$).

Comments: Collected using Malaise traps and by sweeping, also as *C. fumipennis* prey.

57. *Chrysobothris purpureovittata purpureovittata* Horn, 1886

Parish records ($n = 1$): Bossier Parish (USNM). Potential larval hosts in Louisiana: *Carya illinoensis*, *Celtis laevigata*, *Celtis tenuifolia* Nutt., *Cercis canadensis*, *Crataegus viridis*, *Gleditsia triacanthos*, *Koeleruteria paniculata* Laxmann, *Parkinsonia aculeata* L., *Prunus* sp., and *Ulmus crassifolia*. Adults reported also on *Vachellia farnesiana*, *Crataegus phaenopyrum* (L. f.) Medik., *Diospyros virginiana*, *Prosopis glandulosa*, *Prunus americana*, and *Quercus* sp.

Collection date: 10 May.

Comments: Collection methods unspecified.

58. *Chrysobothris pusilla* Gory and Laporte, 1837

Parish records ($n = 1$): Ouachita Parish (LSAM). Potential larval hosts in Louisiana: Unknown, probably *Pinus* spp. Adults reported also on *Pinus echinata*.

Collection date: 6 June.

Comments: Collected by 'beating pine.'

59. *Chrysobothris quadriimpressa* Gory and Laporte, 1837

Parish records ($n = 41$): Acadia, Concordia, East Baton Rouge, Grant, Iberville, Rapides, Webster, West Feliciana, and Winn Parishes (LSAM, MEM, USNM).

Potential larval hosts in Louisiana: *Juglans nigra*, *Liquidambar styraciflua* L., *Quercus alba*, *Quercus coccinea*, *Quercus rubra*, and *Sapindus saponaria*. Adults reported also on *Celtis laevigata*, *Diospyros virginiana*, *Fraxinus pennsylvanica*, *Juglans nigra*, *Quercus imbricaria* Michx., *Quercus*

marilandica Muenchh., *Quercus palustris*, *Quercus shumardii* Buckl., *Quercus stellata*, *Quercus velutina*, and *Ulmus americana*.

Collection date range: 30 March–12 September, mostly in May ($n = 16$), 12 reared specimens emerged March–May.

Comments: Collected at light, by hand, using Lindgren funnel and pitfall traps, and reared from unspecified coarse, woody debris; also as *C. fumipennis* prey.

60. *Chrysobothris rugosiceps* Melsheimer, 1845

Parish records ($n = 12$): Bossier, Caddo, Concordia, East Feliciana, Grant, Lincoln, and Winn Parishes (LSAM, MEM).

Potential larval hosts in Louisiana: *Castanea dentata* Borkh., *Quercus alba*, and *Quercus macrocarpa*. Adults reported also on *Carya ovata*, *Quercus marilandica*, *Quercus palustris*, *Quercus stellata*, and *Quercus velutina*.

Collection date range: 16 April–7 August.

Comments: Collected using canopy Malaise and Lindgren funnel traps.

61. *Chrysobothris scitula* Gory, 1841

Parish records ($n = 13$): East Baton Rouge, Madison, and West Feliciana Parishes (LSAM, MEM).

Potential larval hosts in Louisiana: Unknown. Adults reported on *Quercus* sp.

Collection date range: 30 April–12 June, two reared specimens emerged in May and June.

Comments: Collected at light, by hand, by sweeping, and by rearing from unspecified coarse, woody debris; also as *C. fumipennis* prey.

62. *Chrysobothris sexsignata* Say, 1839

Parish records ($n = 14$): Concordia, East Baton Rouge, East Feliciana, Orleans, Rapides, West Feliciana, and Winn Parishes (LSAM, MEM).

Potential larval hosts in Louisiana: *Acacia* sp., *Acer rubrum*, *Acer saccharum*, *Ame-lanchier arborea*, *Betula nigra*, *Carya glabra*, *Carya illinoensis*, *Carya ovata*, *Castanea dentata*, *Celtis laevigata*, *Celtis tenuifolia*, *Cercis canadensis*, *Crataegus viridis*, *Diospyros virginiana*, *Fagus grandifolia*, *Fraxinus americana*, *Fraxinus pennsylvanica*, *Gleditsia triacanthos*, *Juglans nigra*, *Prosopis* sp., *Quercus alba*, *Quercus macrocarpa*, *Quercus muehlenbergii*, *Quercus stellata*, *Taxodium distichum*, *Ulmus alata*, *Ulmus rubra*, and *Vitis* sp. Adults reported also on *Acer saccharinum* and *Quercus palustris*.

Collection date range: 23 April–7 July. Two reared specimens emerged May–June.

Comments: Collected at light, using canopy Malaise, flight intercept, and Lindgren funnel

traps, and reared from unspecified coarse, woody debris; also as *C. fumipennis* prey.

63. *Chrysobothris shawnee* Wellso and Manley, 2007

Parish records ($n = 168$): Bossier, Concordia, East Baton Rouge, East Feliciana, Evangeline, Franklin, Grant, St. Tammany, Tensas, and Winn Parishes (LSAM, MEM). Potential larval hosts in Louisiana: *Castanea dentata*, *Quercus palustris*, *Quercus phellos*, *Quercus rubra*, and *Quercus stellata*. Adults reported also on *Celtis laevigata*, *Fraxinus pennsylvanica*, *Quercus alba*, *Quercus coccinea*, *Quercus marilandica*, *Quercus michauxii* Nutt., *Quercus palustris*, and *Quercus velutina*. Collection date range: 29 March–5 November, mostly in May ($n = 76$) and June ($n = 33$). Comments: Collected at light, using canopy Malaise, and Malaise traps; also as *C. fumipennis* prey.

64. *Chrysobothris viridiceps* Melsheimer, 1845

Parish records ($n = 32$): Concordia, Franklin, St. Tammany, West Feliciana, and Winn Parishes (LSAM). Potential larval hosts in Louisiana: *Acer rubrum*, *Carya illinoensis*, *Pinus* sp., *Prosopis glandulosa*, *Prunus* sp., *Quercus alba*, *Quercus macrocarpa*, *Quercus stellata*, and *Ulmus crassifolia*. Adults reported also on *Acer saccharinum*, *Carya ovata*, *Quercus macrocarpa*, *Quercus marilandica*, *Quercus velutina*, and *Ulmus americana*. Collection date range: 30 April–17 July, with specimens evenly distributed between the extreme dates; 13 reared specimens emerged April–June. Comments: Collected by sweeping, using canopy Malaise traps, and reared from unspecified coarse, woody debris; also as *C. fumipennis* prey.

Subfamily Agrilinae
Tribe Aphanisticini

65. *Aphanisticus cochinchinae seminulum* Obenberger, 1929

Parish records ($n = 3$) West Feliciana Parish (LSAM). Potential larval hosts in Louisiana: *Saccharum officinarum* L., *Tripsacum dactyloides* (L.) L. Adults reported also on *Paspalum lividum* Trin. Collection date: 4 June. Comments: **New state record:** W. Feliciana Parish, Feliciana Preserve/Natural Area, 30°47.68N 91°15.24W, sweeping, 4 Jun. 2006, M. Gimmel ($n = 3$).

Tribe Agrilini

66. *Agrilus* (s. str.) *abductus* Horn, 1891

Literature record only. Potential larval hosts in Louisiana: Unknown. Adults reported on *Cornus florida*, *Gleditsia triacanthos*, *Quercus stellata*, and *Zanthoxylum clava-herculis* L. Comments: Nelson and MacRae (1990) recorded specimens collected in Tangipahoa Parish on 25 April.

67. *Agrilus* (s. str.) *acutipennis* Mannerheim, 1837

Parish records ($n = 1$): Bossier Parish (MEM). Potential larval hosts in Louisiana: *Quercus alba* and *Quercus lyrata* Walt. Adults reported also on *Amelanchier arborea*, *Betula* sp., *Carya cordiformis*, *Corylus americana*, *Diospyros virginiana*, *Juglans nigra*, *Populus* sp., *Ostrya virginiana*, *Quercus imbricaria*, *Quercus laurifolia*, *Quercus macrocarpa*, *Quercus marilandica*, *Quercus stellata*, and *Quercus velutina*. Collection date: 30 April. Comments: Collected using Leggett trap.

68. *Agrilus* (s. str.) *arcuatus* (Say, 1825)

Parish records ($n = 20$): East Baton Rouge and Grant Parishes (LSAM). Potential larval hosts in Louisiana: *Castanea dentata*, *Fagus grandifolia*, *Quercus alba*, *Quercus ilicifolia* Wangenh., and *Quercus velutina*. Adults reported also on *Carya* sp., *Juglans nigra*, *Quercus shumardii*, and *Quercus stellata*. Collection date range: 5 May–27 June, most in May ($n = 18$). Comments: Collected at light, using boll weevil pheromone traps, and by hand; also as *C. fumipennis* prey.

69. *Agrilus* (s. str.) *benjamini* Fisher, 1928

Parish records ($n = 2$): East Baton Rouge and St. Tammany Parishes (LSAM, TCMC). Potential larval hosts in Louisiana: Unknown. Adults reported on *Quercus alba* and *Quercus macrocarpa*. Collection date range: 12 April–28 May. Comments: **New state record:** East Baton Rouge Parish, Siegen Lane, 300 yd S of Perkins Rd, 12 April 1999, B. J. Viator ($n = 1$); St. Tammany Parish, 4.2 mi NE Abita Springs, 30.5162°N, 89.9547°W, 28 May 2000, V. Brou ($n = 1$).

70. *Agrilus* (s. str.) *bilineatus* (Weber, 1801)

Parish records ($n = 42$): Assumption, Avoyelles, Concordia, East Baton Rouge, Franklin, St. Tammany, West Feliciana, and Winn Parishes (LSAM).

- Potential larval hosts in Louisiana: *Castanea dentata*, *Fagus* sp., *Quercus alba*, *Quercus coccinea*, *Quercus lyrata*, *Quercus macrocarpa*, *Quercus muehlenbergii*, *Q. michauxii*, *Quercus rubra*, *Quercus stellata*, *Quercus texana* Buckley, and *Quercus velutina*. Adults reported also on *Q. nigra* and *Q. palustris*.
Collection date range: 26 April–9 September, mostly ($n = 29$) in May and early June.
Comments: Collected at light, using canopy Malaise, Lindgren funnel, and sticky traps; also as *C. fumipennis* prey.
- 71. *Agrilus* (s. str.) *carpini* Knull, 1923**
Parish records ($n = 1$): Assumption Parish (LSAM).
Potential larval hosts in Louisiana: *Carpinus caroliniana*, *Fagus grandifolia*, and *Ostrya virginiana*.
Collection date: 2 June.
Comments: Collecting method unspecified.
- 72. *Agrilus* (s. str.) *celti* Knull, 1920**
Parish records ($n = 6$): Avoyelles, Bossier, East Baton Rouge, St. Landry, and West Baton Rouge Parishes (LSAM, TAMU).
Potential larval hosts in Louisiana: *Celtis laevigatus* and *Celtis occidentalis*. Adults reported also on *Celtis tenuifolia*, *Cercis canadensis*, *Corylus americana*, and *Gleditsia triacanthos*.
Collection date range: 2 April–25 May.
Comments: **New state record:** Avoyelles Parish, 25 May 1979 ($n = 1$); Bossier Parish, near Flag Lake, Barksdale AFB, 21 May 1996, E. G. Riley ($n = 1$); East Baton Rouge Parish, Bayou Fountain Apts., 30.3622N, 91.1247W, hand collected, 9 May 2006, A. K. Tishechkin ($n = 2$); St. Landry Parish, Thistlethwaite Wildlife Management Area, 30.6623N, 91.9983W, 7 May 1989, D. Rider ($n = 1$); West Baton Rouge Parish, 30.4581N, 91.3239W, 2 May 1973, boll weevil pheromone trap ($n = 1$).
- 73. *Agrilus* (s. str.) *cephalicus* LeConte, 1860**
Parish records ($n = 10$): Bossier, Pointe Coupee, and St. Tammany Parishes (LSAM, MEM, TAMU, USNM).
Potential larval hosts in Louisiana: *Cornus florida*. Adults reported also on *Corylus americana* and *Juglans nigra*.
Collection date range: 18 April–20 July.
Comments: Collected at lights. Other methods unspecified.
- 74. *Agrilus* (s. str.) *concinus* Horn, 1891**
Parish records ($n = 2$): East Baton Rouge Parish (LSAM).
Potential larval hosts in Louisiana: *Hibiscus laevis* All. and *Hibiscus lasiocarpus* Cav.
Collection date range: 11–13 May.
Comments: **New state record:** East Baton Rouge Par., Highland Rd. Park, 11,13 May 2011, collected as *C. fumipennis* prey, 30.3491°N, 91.0741°W, W. Virgets ($n = 2$).
- 75. *Agrilus* (s. str.) *defectus* LeConte, 1860**
Parish records ($n = 2$): East Baton Rouge and Grant Parishes (LSAM).
Potential larval hosts in Louisiana: *Quercus alba*, *Quercus muehlenbergii*, and *Quercus stellata*. Adults reported also on *Carya ovata*, *Carya tomentosa*, *Cercis canadensis*, *Crataegus* sp., *Quercus macrocarpa*, *Quercus marilandica*, and *Quercus velutina*.
Collection date range: 28 March–4 April.
Comments: **New state record:** East Baton Rouge Parish, Baton Rouge, 30.5018N, 90.1063W, 4 April 2005, N. H. Nguyen, Hg vapor light trap ($n = 1$); Grant Parish, Kisatchie National, Forest, Stuart Lake Rd. W of Pollock, 31.5124N, 92.4406W, 28 March 2011, ETOH baited Lindren funnel trap ($n = 1$).
- 76. *Agrilus* (s. str.) *difficilis* Gory, 1841**
Parish records ($n = 385$): Assumption, Avoyelles, East Baton Rouge, La Salle, St. Martin, and Tensas Parishes (LSAM).
Potential larval hosts in Louisiana: *Gleditsia triacanthos* and *Zanthoxylum clava-herculis*.
Collection date range: 4 April–23 August, mostly ($n = 347$) during May and June.
Comments: Collected at light, by hand on a sugar cane plant, ‘fogging cypress’, and using boll weevil pheromone and sticky traps; also as *C. fumipennis* prey.
- 77. *Agrilus* (s. str.) *egenus* Gory, 1841**
Parish records ($n = 9$): Bossier, Catahoula, East Baton Rouge, and Natchitoches Parishes (LSAM, MEM, USNM).
Potential larval hosts in Louisiana: *Robinia pseudoacacia*.
Collection date range: 6 April–22 May.
Comments: Collected at light and by beating vegetation. Other methods unspecified; also as *C. fumipennis* prey.
- 78. *Agrilus* (s. str.) *fallax* Say, 1833**
Parish records ($n = 52$): Bossier, East Baton Rouge, Jefferson, Pointe Coupee, St. Landry, St. Tammany, and Tensas Parishes (LSAM, MEM, USNM).
Potential larval hosts in Louisiana: *Celtis laevigata*, *Celtis tenuifolia*, *Cornus florida*, and *Gleditsia triacanthos*. Adults reported also on *Crataegus* sp. probably *viridis*, *Diospyros virginiana*, *Juglans nigra*, and *Tilia* sp.

- Collection date range: 6 April–8 August.
Specimens evenly distributed between dates.
Comments: Collected at light, by hand, and using flight intercept and sticky ('on cypress') traps; also as *C. fumipennis* prey.
- 79. *Agrilus* (s. str.) *fuscipennis* Gory, 1841**
Parish records ($n = 2$): Bossier and East Baton Rouge (LSAM, MEM).
Potential larval hosts in Louisiana: *Diospyros virginiana*. Adults reported also on *Oxydendrum arboreum* (L.) DC.
Collection date range: 24–30 April.
Comments: **New state record:** Bossier Parish, Barksdale Air Force Base, 30 Apr. 1996, Leggett trap in calcareous prairie, 32.4913°N, 93.5152° W, D. M. Pollock ($n = 1$); East Baton Rouge Parish, Baton Rouge, 25.iv.1979, 30.4505°N, 91.1544°E, D. Demorville ($n = 1$).
- 80. *Agrilus* (s. str.) *geminatus* (Say, 1823)**
Parish records ($n = 1$): West Feliciana Parish (LSAM).
Potential larval hosts in Louisiana: *Quercus phellos*, *Quercus marilandica*, and *Quercus velutina*. Adults reported also on *Carya tomentosa*, *Juglans nigra*, *Quercus alba*, and *Quercus coccinea*.
Collection date: 8 May.
Comments: Collecting method unspecified.
- 81. *Agrilus* (s. str.) *imbellis* Crotch, 1873**
Literature record only.
Potential larval hosts in Louisiana: Unknown. Adults reported on flowers of *Bigelovia nudata* (Michx.) DC., *Lechea* sp., *Helianthemum rosmarinifolium* Pursh, and *Rudbeckia* sp.
Comments: Nelson *et al.* (2008) listed Louisiana in the distribution of this species, although no supporting literature reference was found.
- 82. *Agrilus* (s. str.) *lacustris* LeConte, 1860**
Parish records ($n = 15$): Bossier, Cameron, DeSoto, and Evangeline Parishes (FSCA, LSAM, MEM, TAMU).
Potential larval hosts in Louisiana: *Croton capitatus* Michx. and *Solanum elaeagnifolium* Cav. Adults reported also on *Croton punctatus* Jacq.
Collection date range: 19 March–21 June.
Comments: Five specimens collected by hand on *Croton capitatus*; also using Malaise trap. Other methods unspecified.
- 83. *Agrilus* (s. str.) *lecontei lecontei* Saunders, 1871**
Parish records ($n = 160$). Acadia, Catahoula, Concordia, East Baton Rouge, Grant, Iberville, Jefferson, Natchitoches, Rapides, St. Landry, and Tensas Parishes (LSAM, TAMU).
Potential larval hosts in Louisiana: *Baccharis* sp., *Celtis laevigata*, and *Celtis laevigata* var. *reticulata* (Torr.) L. Benson. Adults reported also on *Sapindus saponaria* var. *drummondii* (H. & A.) L. Benson.
Collection date range: 14 March–10 July, mostly ($n = 89$) during April, 34 reared specimens emerged April–December.
Comments: Collected at light, by hand, using boll weevil pheromone, canopy Malaise, and sticky ('on cypress') traps, 'in dead sugarberry', reared from 'hackberry' and 'miscellaneous dead limbs.' Also as *C. fumipennis* prey.
- 84. *Agrilus* (s. str.) *macer* LeConte, 1858**
Parish records ($n = 1,083$) Concordia, East Baton Rouge, La Salle, and Orleans Parishes (LSAM, MEM, TAMU).
Potential larval hosts in Louisiana: *Celtis laevigata*. Adults reported also on *Celtis laevigata* var. *reticulata*.
Collection date range: 6 May–23 August, mostly during May ($n = 534$) and June ($n = 311$); two reared specimens emerged during February; emergence dates of 54 reared specimens were not recorded.
Comments: Collected using canopy Malaise and sticky traps; reared from '*Celtis* sp.' and unspecified tree limbs; also as *C. fumipennis* prey as the most abundant ($n = 1,023$, all East Baton Rouge Parish) species in our surveys.
- 85. *Agrilus* (s. str.) *oblongus* Fisher, 1928**
Parish records ($n = 7$). Catahoula, West Baton Rouge, and Tensas Parishes (LSAM).
Potential larval hosts in Louisiana: *Vitis* sp.
Collection date range: 3 May–5 June
Comments: All specimens collected in boll weevil pheromone traps.
- 86. *Agrilus* (s. str.) *obsoletoguttatus* Gory, 1841**
Parish records ($n = 222$): East Baton Rouge, Iberville, Jefferson, Pointe Coupee, Rapides, St. Landry, St. Martin, St. Tammany, Tensas, and West Feliciana Parishes (LSAM, MEM, TAMU).
Potential larval hosts in Louisiana: *Aesculus pavia* L., *Carpinus caroliniana*, *Carya* sp., *Fagus grandifolia*, *Gleditsia triacanthos*, *Ostrya virginiana*, *Quercus falcata* (see Comments), *Quercus prinoides*, *Quercus rubra*, and *Salix* sp. Adults reported also on *Acer saccharum*, *Diospyros virginiana*, *Juglans nigra*, *Quercus alba*, *Quercus imbricaria*, *Quercus marilandica*, *Quercus palustris*, *Quercus velutina*, *Ulmus americana*, and *Ulmus rubra*.

- Collection date range: 26 February–22 June, mostly ($n = 19$) in April. Many of these records are from rearing chambers, which likely are not representative of adult activity under natural conditions.
- Comments: Collected at light, by beating, branch bagging, using boll weevil pheromone, flight intercept, and sticky traps, and by rearing from *Quercus falcata*, ‘hickory limbs’, ‘miscellaneous dead limbs’, and unspecified coarse, woody debris; also as *C. fumipennis* prey. This was the most abundant of 35 beetle species reared from *Q. falcata* twigs by Ferro *et al.* (2009).
- 87. *Agrilus (s. str.) olentangyi* Champlain and Knoll, 1925**
Parish records ($n = 1$): Caddo Parish (USNM). Potential larval hosts in Louisiana: *Rhus glabra* L. Adults reported also on *Celtis laevigata*, *Celtis tenuifolia*, *Maclura pomifera* (Raf.) C.K. Schneid., *Ptelea trifoliata* L., and *Quercus* sp.
Collection date: 7 April
Comments: Fisher (1928) also recorded specimens collected in Madison Parish on 7–9 April.
- 88. *Agrilus (s. str.) otiosus* (Say, 1833)**
Parish records ($n = 2$): St. Landry and Tensas Parishes (LSAM).
Potential larval hosts in Louisiana: *Carya cordiformis*, *Carya laciniosa*, *Carya illinoensis*, *Carya ovata*, *Carya tomentosa*, and *Sassafras albidum*.
Collection date range: 27 April–21 May.
Comments: Collected by hand ‘on pecan tree’; other method unspecified.
- 89. *Agrilus (s. str.) planipennis* Fairmaire, 1888**
Parish records ($n = 5$, plus survey reports): Bossier, Bienville, Claiborne, Jackson, Lincoln, Morehouse, Ouachita, Union, and Webster Parishes (LSAM, Webster Parish only; other Parish records reported by Richard Miller, Louisiana Department Agriculture and Forestry (www.laforestry.com/News/tabid/112/ArticleID/138/EAB-spreads-to-nine-parishes.aspx#prettyPhoto), accessed 4 October 2017).
Potential larval hosts in Louisiana: *Chionanthus virginicus* L. and *Fraxinus* spp.
Collection date range: Webster Parish larvae collected during February; adults during May.
Comments: **New state record:** Webster Parish, 8.3 km N of Shongaloo, 1 May 2015, Hand Collected, ex. Green Ash Tree 30.0167°N, 93.3152°W, 5 Feb. 2015, C. W. Johnson and J. R. Meeker, larvae collected in *Fraxinus* bark; same locality, 1 May 2015, adults recovered from z-3-hexanol baited funnel traps in *Fraxinus*, C. W. Johnson and J. R. Meeker.
- 90. *Agrilus (s. str.) politus* (Say, 1825)**
Parish records ($n = 11$): East Baton Rouge Parish (LSAM).
Potential larval hosts in Louisiana: *Salix babylonica* and *Salix nigra*.
Collection date range: 27 April–13 May.
Comments: All but one specimen collected as *C. fumipennis* prey.
- 91. *Agrilus (s. str.) pseudofallax* Frost, 1923**
Parish records ($n = 9$): Caddo, East Baton Rouge, Madison, St. Landry, and St. Tammany Parishes (FSCA, LSAM, USNM).
Potential larval hosts in Louisiana: *Gleditsia triacanthos*. Adults reported also on *Quercus* sp.
Collection date range: 12 April–18 July, all but one specimen collected during April.
Comments: Collecting methods unspecified.
- 92. *Agrilus (s. str.) quadriguttatus quadriguttatus* Gory, 1841**
Parish records ($n = 116$): Concordia and East Baton Rouge Parishes (LSAM).
Potential larval hosts in Louisiana: *Alnus* sp. and *Salix nigra*. Adults reported also on *Populus nigra* L. and *Salix interior* Rowlee.
Collection date range: 6 May–10 July, mostly ($n = 106$) during May.
Comments: One specimen collected using canopy Malaise traps, remainder as *C. fumipennis* prey.
- 93. *Agrilus (s. str.) ruficollis* Fabricius, 1787**
Parish records ($n = 92$): East Baton Rouge, East Feliciana, Jefferson, Lafayette, Livingston, Natchitoches, Orleans, St. Landry, St. Tammany, Tensas, Webster, and West Feliciana Parishes (LSAM, TAMU).
Potential larval hosts in Louisiana: *Rubus* spp.
Collection date range: 19 February–21 May, mostly ($n = 51$) during April, 27 reared specimens also emerged during April.
Comments: Collected at light, by beating, sweeping, using Malaise, flight intercept, and sticky traps; also reared from ‘blackberry.’
- 94. *Agrilus (s. str.) subcinctus* Gory, 1841**
Parish records ($n = 2$): Caddo and St. Landry Parishes (LSAM, USNM).
Potential larval hosts in Louisiana: *Fraxinus americana*, *Fraxinus pennsylvanica*. Adults reported also on *Carya* sp., *Ligustrum* sp., and *Toxicodendron radicans* (L.) Kuntze.
Collection date range: 7–27 April.
Comments: Collecting method unspecified.

95. *Agrilus* (s. str.) *vittaticollis* (Randall, 1838)
 Parish records ($n = 2$): East Baton Rouge and St. Tammany Parishes (LSAM).
 Potential larval hosts in Louisiana: *Amelanchier arborea*, *Aronia arbutifolia* (L.) Pers., *Crataegus* sp., *Malus* sp., and *Pyrus communis* L. Adults reported also on *Malus sylvestris* (L.) Mill., *Oxydendrum arboreum*, *Prunus virginiana* L., and *Quercus velutina*.
 Collection date range: 4–29 April.
 Comments: **New state record:** East Baton Rouge Par., Baton Rouge, at light, 30.4505°N, 91.1544°W; St. Tammany Parish, E. Fk. Lit. Bogue Falaya R., LA 1082 NE of Covington, 29 April 1980 sweeping foliage, 30.4901°N, 90.0686°W, D. A. Rossman ($n = 1$).

96. *Paragrilus tenuis* (LeConte, 1866)
 Parish records ($n = 1$): Caddo Parish (LSAM).
 Potential larval hosts in Louisiana: *Hibiscus laevis*, *Hibiscus lasiocarpus*, and *Hibiscus moscheutos* L.
 Collection date: 30 June.
 Comments: **New state record:** Caddo Parish, Shreveport, 30.vi.1974, J. R. Barr Sr. ($n = 1$).

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97. *Brachys fasciferus* Schwartz, 1878
 Parish records ($n = 1$): St. Landry Parish (LSAM).
 Potential larval hosts in Louisiana: Unknown. Adults reported on *Quercus virginiana* and *Rubus trivialis* Michx.
 Collection date: 27 April.
 Comments: **New state record:** St. Landry Parish, 3 mi. E. of Washington, 27 April 1986, 30.6300°N, 92.0062°W, D. A. Rider and E. G. Riley ($n = 1$).

98. *Brachys ovatus* (Weber, 1801)
 Parish records ($n = 84$): Assumption, DeSoto, East Baton Rouge, Jefferson, Morehouse, Natchitoches, Plaquemines, Rapides, St. Landry, St. Tammany, Tangipahoa, Vernon, Webster, and West Feliciana Parishes (FSCA, LSAM, MEM, TAMU, USNM).
 Potential larval hosts in Louisiana: *Quercus incana* W. Bartram and *Quercus rubra*. Adults reported also on *Quercus alba*, *Quercus falcata*, *Quercus imbricaria*, *Quercus laevis* Walt., *Quercus marilandica*, *Quercus shumardii*, *Quercus stellata*, and *Quercus velutina*.
 Collection date range: 20 March–14 October, mostly during April ($n = 42$) and May ($n = 17$).
 Comments: Collected by hand, sweeping, using boll weevil pheromone, flight intercept, Leggett, Malaise traps, and as *C. fumipennis* prey.

99. *Leiopleura carbonata* (LeConte, 1860)
 Literature record only.
 Potential larval hosts in Louisiana: Unknown.
 Comments: The unique holotype of this species is labeled as having been collected in Louisiana. However, it is likely a mislabeled Central or South American specimen, and its inclusion in the fauna of the USA should be considered doubtful (Hespenheide 2003).

100. *Pachyschelus laevigatus* (Say, 1839)
 Parish records ($n = 49$): Cameron, Catahoula, Claiborne, East Baton Rouge, Iberville, Jefferson, Natchitoches, Rapides, Webster, and West Feliciana Parishes (LSAM, TAMU).
 Potential larval hosts in Louisiana: *Desmodium ciliare* (Muhl. ex Willd.) DC., *Desmodium obtusum* (Muhl. ex Willd.) DC., *Desmodium viridiflorum* (L.) DC., *Lespedeza capitata* Michx., and *Lespedeza virginica* (L.) Britton. Adults reported also on *Desmodium canescens* (L.) DC., *Desmodium cuspidatum* (Muhl. ex Willd.) DC. ex Loud., *Desmodium glutinosum* (Muhl. ex Willd.) Wood, *Desmodium paniculatum* (L.) DC., *Desmodium perplexum* Schub., *Lespedeza bicolor* Turcz., and *Lespedeza hirta* (L.) Hornem.
 Collection date range: April–11 October, most collected during May ($n = 14$) and July ($n = 15$).
 Comments: Collected at light, by hand, ‘on *Desmodium*’, and by sweeping.

101. *Pachyschelus nicolayi* Obenberger, 1925
 Parish records ($n = 7$): Orleans, St. Tammany, and Webster Parishes (FSCA, TAMU, USNM).
 Potential larval hosts in Louisiana: *Apios americana* Medik. and *Wisteria frutescens* (L.) Poir.
 Collection date range: 11 April–19 May.
 Comments: Collecting methods unspecified.

102. *Pachyschelus purpureus* (Say, 1833)
 Parish records ($n = 1$): East Baton Rouge (FSCA).
 Potential larval hosts in Louisiana: *Geranium maculatum* L. Adults reported also on *Carya* sp., *Fraxinus americana*, *Juglans nigra*, and *Toxicodendron radicans*.
 Collection date: 23 May.
 Comment. Nelson *et al.* (2008) listed Louisiana within the distribution of this species, possibly based on this specimen collected during 1988.

103. *Taphrocerus agriloides* Crotch, 1873
 Parish records ($n = 2$): Iberville Parish (LSAM).
 Potential larval hosts in Louisiana: Unknown. Adults reported on *Eleocharis* sp. and *Nemastylis geminiflora* Nutt.

Collection date range: 5 April–12 June.

Comments: **New state record:** Iberville Parish, 1 mi S Hwy 30, 12.vi.1994, L. M. Rodriguez, under log ($n = 1$); St. Gabriel, 5.iv.2005, L. Eisenberg, sweeping vegetation ($n = 1$).

104. *Taphrocerus albidistinctus* Knull, 1954

Parish records ($n = 26$): Ascension, Assumption, East Baton Rouge, Grant, Jefferson, Natchitoches, Vernon, St. Martin, Washington, and West Feliciana Parishes (LSAM).

Potential larval hosts in Louisiana: Unknown.

Collection date range: 12 March–21 November, mostly ($n = 14$) March and April.

Comments: Collecting methods mostly unspecified; some collected by beating grasses, using flight intercept traps, and sweeping.

105. *Taphrocerus cylindricollis* Kerremans, 1896

Parish records ($n = 21$): Natchitoches, St. Mary, St. Tammany, and West Feliciana Parishes (LSAM).

Potential larval hosts in Louisiana: Unknown.

Adults reported on undetermined Cyperaceae.

Collection date range: 29 March–8 September.

Comments: Collecting methods unspecified on most specimens, some collected by flight intercept trap and sweeping.

106. *Taphrocerus gracilis* (Say, 1825)

Parish records ($n = 11$): Acadia, Ascension, East Baton Rouge, Livingston, St. Tammany, and West Baton Rouge Parishes (FSCA, LSAM).

Potential larval hosts in Louisiana: *Rhynchospora corniculata* (Lam.) Gray. Adults reported also feeding on *Carex hyalinolepis* Steud. and collected on *Baccharis halimifolia*, *Cephalanthus occidentalis* L., and *Rumex verticillatus* L.

Collection date: 4 March–4 August.

Comments: Collection method mostly unspecified, some collected by sweeping.

107. *Taphrocerus howardi* Obenberger, 1934

Parish records ($n = 52$): Acadia, Ascension, Cameron, DeSoto, East Baton Rouge, East Feliciana, Iberville, Jefferson, Lafayette, Livingston, Orleans, Pointe Coupee, St. Tammany, and West Feliciana Parishes (FSCA, LSAM).

Potential larval hosts in Louisiana: Unknown.

Adults reported also on *Fimbristylis puberula* (Michx.) Vahl and *Scirpus* sp.

Collection date range: 11 March–4 November.

Comments: Collected by hand ‘on aquatic vegetation’ and ‘ex. grass’, flight intercept trap, and sweeping, including ‘mixed grasses and forbs’, ‘riverside vegetation’, and *Trifolium incarnatum* L.

108. *Taphrocerus laevicollis* LeConte, 1878

Parish records ($n = 1$): Jefferson Parish (FSCA).

Potential larval hosts in Louisiana: Unknown.

Collection date range: 8–9 September

Comments: This is the specimen on which Nelson’s (1987) record was based.

109. *Taphrocerus nicolayi* Obenberger, 1924

Parish records ($n = 43$): Beauregard, Cameron, Catahoula, East Baton Rouge, Iberville, Livingston, Natchitoches, St. Tammany, Tangipahoa, Webster, and West Baton Rouge Parishes (FSCA, LSAM, MEM, TAMU).

Potential larval hosts in Louisiana: Unknown.

Adults reported on *Carex hyalinolepis* and *Carex vulpinoidea* Michx.

Collection date range: 20 February–6 October.

Comments: Collecting methods unspecified.

110. *Taphrocerus schaefferi* Nicolay and Weiss, 1920

Parish records ($n = 9$): East Baton Rouge, Evangeline, St. Tammany, Washington, Webster, and West Feliciana Parishes (LSAM, MEM).

Potential larval host in Louisiana: *Cyperus esculentus* L. Adults reported also on *Carex vulpinoidea* and *Desmodium* sp. (see Comments).

Collection date range: 12 April–31 October.

Comments: Collected by beating, by hand ‘on *Desmodium*’, and by sweeping. Other collecting methods unspecified.

DISCUSSION

Johnson *et al.* (2015) reported 35 species of buprestids as prey of *C. fumipennis*, based on multiyear surveys, mostly at two localities, one in Catahoula Parish, central Louisiana, another in East Baton Rouge Parish, south-central Louisiana. Total buprestid specimens represented in that study was 1551. Those records are included in the number reported in this checklist. Thus, recent surveys based on *C. fumipennis* surveys represent approximately one-third of the total number of buprestid specimens known from the state. Despite the convenience of stealing buprestids from heavily laden, slow flying wasps, the results present a skewed survey method due to the biological preferences of the wasps (Hellman and Fierke 2014) and the uneven distribution of *C. fumipennis* aggregations, which tend to be concentrated in human-created, open spaces such as parks and sports fields. For example, if the results from Johnson *et al.* (2015) and our museum records were accepted as typical, the city of Baton Rouge would appear to be the epicenter of diversity and abundance of buprestids for the state. Although “more data are needed” has

become a tired cliché in studies of this sort, it is certainly a true statement in this case. Clearly, surveys utilizing *C. fumipennis* are a valuable part of EAB and general buprestid surveys, and the documentation of new state records based on *C. fumipennis* captures in this and other projects (e.g., Westcott and Thomas 2015) is a testament to their value in adding to the overall knowledge of buprestid beetle diversity and distributions. Surveys at several localities using *C. fumipennis* wasps to do the collecting produced valuable additional data that are qualitatively and quantitatively different from previous museum data.

The negative impact of EAB on ash trees (*Fraxinus* spp.) in forests and urban tree plantings is well documented (Poland and McCullough 2006), but the secondary impact on existing buprestid diversity is less well understood. Such impacts may include declines in native buprestid abundance and diversity due to EAB-triggered increases in abundances of buprestid predators and parasitoids. At least one buprestid, *A. subcinctus*, may experience direct negative effects, as dead ash twigs are its only known larval food (although initially its numbers may climb as the supply of dead ash twigs increases). Alternatively, at least some buprestid species may benefit from removal of EAB-killed ash trees and replacement by non-EAB host tree species. The former impacts can be expected shortly after EAB invasion into new areas. The latter impacts would be more long-lasting and become apparent after initial recruitment of trees that replace ash species. In either case, surveys of pre-EAB buprestid diversity are critical in assessing post-EAB impacts. A well-documented regional fauna also increases the likelihood of timely identification of newly introduced species in addition to EAB and documentation of sudden changes in abundance and distributions of known species. A regional comparison to the present study that predates EAB establishment was provided by MacRae (1991), who recorded 127 species from the state of Missouri, 18 more than recorded for Louisiana. This suggests that additional buprestid species remain to be documented from Louisiana.

Regionally focused museum collections offer an immediately available, inexpensive alternative to intensive, short-term collecting across broad areas to provide historical distributional and seasonal occurrence records of selected taxa. Buprestids are ideal subjects for such inventories because they are appealing to insect collectors and often represented in student taxonomy collections. The latter circumstance highlights the importance of encouraging students to use best archival practices in preparing and documenting specimens for collections required for coursework.

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