Catalogue of the Cerambycidae (Coleoptera) of Canada and United States of America. Part IV. Subfamily Lamiinae

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This catalogue is an attempt to offer the names, the geographical distribution and bibliographic references for extant taxa of Cerambycidae from Canada and United States of America.

All informations of the present catalogue were previously published, there is not unpublished data. The geographical distribution of the extant families and subfamilies in North America is based on previously published records, supplemented by data extracted from several collections. The geographical distribution of the species registered from Canada were adapted from Bousquet, Laplante, Hammond and Langor, 2017.

Tribes are listed in alphabetical order, and in each tribe genera and species follow the same order. Each species-group name is followed by author (s), publication year, page, and figure (if any), acronym of the institution depository of the type, host plants (when available) and when not strictly taxonomical, an abbreviated indication of the matter is given as:

ab. - aberration
biol. - biological data
cat. - catalogue
distr. - geographical distribution
ecol. - ecological data
emend. - emendation
et al., - more than four authors
lect. - lectotype (designation).
mimet. - mimetism
morphol. - morphology
paras. - parasites
pred. - predators
refs. - bibliographic references
rev. - revision
reval. - revalidation
syn. - synonymy
var. - variety

Acronyms of the institutions or private collections mentioned in the catalogue:

AMNH - American Museum of Natural History, New York, New York, United States.
ANSP - Academy of Natural Sciences, Philadelphia, Pennsylvania, United States.
BMNH - The Natural History Museum, London, United Kingdom.
CASC - California Academy of Sciences, San Francisco, California, United States
CMNH - Carnegie Museum of Nature, Pittsburgh, Pennsylvania, United States.
CNCI - Canadian National Collection of Insects, Ontario, Ottawa, Canada.
CUIC - Cornell University, Ithaca, New York, United States.
DEUM - Department of Entomology, University of Minnesota, Twin Cities, Minnesota, United States.
EMEC - Essig Museum of Entomology, University of California, Berkeley, California, United States.

FMNH - Field Museum of Natural History, Chicago, Illinois, United States.
FSCA - Florida State Collection of Arthropods, Gainesville, Florida, United States.
HMUG - Hunterian Museum, Glasgow University, Glasgow, United Kingdom.
MCSN - Museu Civico di Storia Naturali "Giacomo Doria", Genova, Italy.
MCZN - Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, United States.
MNHN - Muséum National d'Histoire Naturelle, Paris, France.
MZSP - Museu de Zoologia, Universidade de São Paulo, São Paulo, São Paulo, Brazil.
NHMB - Naturhistorisches Museum, Basel, Switzerland.
NHMW - Naturhistorisches Museum, Vienna, Austria.
NHRS - Naturhistoriska Riksmuseet, Stockholm, Sweden.
NMPC - National Museum (Natural History), Prague, Czech Republic.
NYSM - New York State Museum, Albany , United States
OXUM - Hope Entomological Collections, University Museum, Oxford, United Kingdom.
RMNH - Nationaal Natuurhistorische Museum, Leiden, Netherlands.
SANC - South African National Collection of Insects, Pretoria, South Africa.
SEMK - Snow Entomological Museum, University of Kansas, Lawrence, Kansas, United States
TAMU - Texas A. & M. University, College Station, Texas, United States.
UMFC - University of Miami, Miami, Florida, United States.
USNM - National Museum of Natural History, Washington, D. C., United States.
UZIU - Uppsala University, Uppsala, Sweden.
ZMHB - Museum fur Naturkunde der Humboldt-Universität, Berlin, Germany.
ZMUC - Zoogical Museum, University of Copenhagen, Copenhagen, Denmark.
ZMUM - Zoological Museum, Moscow State University, Moscow, Russia.

LAMIINAE Latreille, 1825

Lamiariae Latreille, 1825: 401.
Type-genus: *Lamia* Fabricius, 1775.
Type-species: *Cerambyx textor* Linnaeus, 1758 designated by Latreille (1810: 431).

ACANTHOCININI Blanchard, 1845

Aedilaires Mulsant, 1839: 142 (based on *Aedilis* Audinet-Serville, 1835). **Nomen nudum**. Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Mulsant 1839).
Acanthocinites Blanchard, C. E., 1845: 154, 173.
Acanthocinitae; Thomson, 1860: 6; Bates, 1863: 100; Thomson, 1864: 23; 1865: 353.
Acanthocininae; Pascoe, 1864: 6, 9.
Acanthocinides; Lacordaire, 1872: 757.
Acanthocinini; LeConte, 1873b: 337; Bates, 1880: 144; Horn, 1880a: 116; LeConte & Horn, 1883: 322; Aurivillius, 1923: 390 (cat.); Bradley, 1930: 243, 245; Duffy, 1953: 271 (larva); Dillon, 1956a: 134; Duffy, 1960: 235 (larva); Hatch, 1971: 147; Villiers, 1980b: 562: Monné, M.A., 1995a: 1 (cat.); Linsley & Chemsak, 1995: 2; Monné, M.A., 2005: 8 (cat.); Bousquet *et al*., 2009: 23; 1912 *et al*., 2011: 486; Souza, Marinoni, Monné, M.L. & Gómez-Zurita, 2020: 14
Acanthocini; Reitter, 1912: 57.
Type-genus: *Acanthocinus* Dejean, 1821.
Type-species: *Cerambyx aedilis* Linnaeus, 1758 designated by Blanchard, C.E. (1841: pl. 67).

Trypanidiitae Thomson, 1860: 2 (key), 6 (key), 7.
Type-genus: *Trypanidius* Blanchard, C.E., 1847.
Type-species: *Trypanidius andicola* Blanchard, 1847 (monotypy).
Dectitae Thomson, 1860: 5 (key), 127.
Type-genus: *Dectes* LeConte, 1852.
Type-species: *Lamia spinosa* Say, 1826 (monotypy).
Astynomaires Mulsant, 1863: 286; Planet, 1924: 270. (based on *Astynomus* Dejean, 1835) **Nomen nudum**. Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Mulsant 1863).
Exocentrinae Pascoe, 1864: 7.
Type-genus: *Exocentrus* Dejean, 1835.
Type-species: *Lamia balteata* (Fabricius) *sensu* Schönherr, 1817 (= *Cerambyx lusitanus* Linnaeus, 1757) (monotypy).
Exocentrites Faimaire, 1864: 157, 193 (based on *Exocentrus* Dejean, 1835). **Nomen nudum**. Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Fairmaire 1864).
Lagocheirinae Bates, 1863: 100.
Type-genus: *Lagocheirus* Dejean, 1835.
Type-species: *Cerambyx araneiformis* Linnaeus, 1767 (monotypy).
Liopi LeConte, 1873b: 338.
Type-genus: *Liopus* Agassiz, 1846 (unjustified emendation of *Leiopus* Audinet-Serville, 1835 not in prevailing usage).
Type-species: *Cerambyx nebulosus* Linnaeus, 1758 designated by Westwood (1838: 41).
Graphisurini Leng, 1920: 283.
Type-genus: *Graphisurus* Kirby, 1837.
Type-species: *Cerambyx fasciatus* Degeer, 1775 (original designation). Comment. For the type species designation of the type genus, see Bousquet (2007: 619-620).
Moneilemitae Thomson, 1864: 43; 1865: 363.
Moneilemides; Lacordaire, 1869: 279.
Monilemini; LeConte, 1873b: 331; LeConte & Horn, 1883: 316; Leng & Hamilton, 1896: 102; Monné, M.A., 1994a: 7 (cat.) ; Monné, M.A., 2005: 526 (cat.); Bousquet *et al*., 2009: 32; Bouchard *et al*., 2011: 496.
Moneilemini; Hatch, 1971: 147; Linsley & Chemsak, 1985: 18.
Type-genus: *Moneilema* Say, 1824
Type-species: *Moneilema annulata* Say, 1824 (monotypy).

Acanthocinus Dejean, 1821

Acanthocinus Dejean, 1821: 106; White, 1855: 368; Thomson, 1860: 13; 1864: 28; Lacordaire, 1872: 790; LeConte, 1873b: 337; Horn, 1880a: 116; Bates, 1880: 144; LeConte & Horn, 1883: 324; Gahan, 1888b: 300; Leng & Hamilton, 1896: 131; Wickham, 1897a: 203; 1898a: 38; Craighead, 1923: 119; Bradley, 1930: 246; Chagnon, 1938: 274; Knull, 1946: 257; Chagnon & Robert, 1962: 274; Baker, 1972: 195; Marinoni, 1977a: 39; Monné, M.A., 1995a: 3 (cat.);Linsley & Chemsak, 1995: 37 (syn.); Monné, M.A., 2005: 8 (cat.); Monné, M.A. & Hovore, 2006: 174 (checklist); Monné, M.A., 2012: 66; Bousquet, Laplante, Hammond & Langor, 2017: 161 (key spp)
Type-species - *Cerambyx aedilis* Linnaeus, 1758 (subsequent designation, Blanchard, C.E., 1841: pl. 67).
Astynomus; Haldeman, 1847a: 46 (not Stephens, 1839).
Aedilis; LeConte, 1852: 173 (not Audinet-Serville, 1835).
Graphisurus (Canonura) Casey, 1913: 335.
Canonura; Dillon, 1956b: 225; Arnett, 1962: 873, 891; Hatch, 1971: 150.

Type-species - *Aedilis spectabilis* LeConte, 1854 (subsequent designation, Dillon, 1956b: 226).

Graphisurus (Tylocerina) Casey, 1913: 335.

Acanthocinus (Tylocerina); Aurivillius, 1923: 434 (cat.).

Tylocerina; Dillon, 1956b: 230; Arnett, 1962: 873, 891.

Type-species - *Cerambyx nodosus* Fabricius, 1775 (original designation).

Neacanthocinus Dillon, 1956b: 231; Arnett, 1962: 875, 891; Hatch, 1971: 150.

Type-species - *Cerambyx obsoletus* Olivier, 1795 (original designation).

1. *Acanthocinus angulosus* (Casey, 1913)

Type locality - Holotype female: United States, New Mexico. (USNM). **Distribution** - Southwestern United States (California, Arizona, New Mexico), northern Mexico. **Host plants** - *Pinus leiophylla chihuahuana* (Engelmann) A. E. Murray (Pinaceae).

Graphisurus (Graphisurus) angulosus Casey, 1913: 338; Lingafelter *et al*., 2014: 16, figs. 16e, f (holotype).

Acanthocinus (Acanthocinus) angulosus; Aurivillius, 1923: 434 (cat.).

Acanthocinus (Neacanthocinus) angulosus; Linsley, Knull & Statham, 1961: 30 (distr.).

Acanthocinus angulosus; Monné, M.A. & Giesbert, 1995a: 246 (checklist); Linsley & Chemsak, 1995: 44; 1997: 337 (hosts); Monné, M.A., 2005: 9 (cat.); Monné, M.A. & Hovore, 2006: 174 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

2. *Acanthocinus leechi* (Dillon, 1956)

Type locality - Holotype male: United States, Arizona: Jerome County, Yavapai. (CASC). **Distribution** - United States (Central Arizona). **Host plants –** *Pinus monophylla* Torrey & Frémont, *Pinus edulis* (Pinaceae).

Canonura leechi Dillon, 1956b: 228, pl. 1, fig. 5; Chemsak, Linsley & Noguera, 1992: 135 (cat.); Monné, M.A., 1995a: 5

Acanthocinus (Canonura) leechii; Lewis, 1976: 203; 1979: 25

Acanthocinus leechi; Monné, M.A. & Giesbert, 1995a: 246 (checklist); Linsley & Chemsak, 1995: 53, fig. 10; 1997: 337 (hosts); Heffern, 1998: 21 (distr.); Monné, M.A. & Hovore, 2006: 174 (checklist); MacRae & Rice, 2007: 250 (distr.); Vlasak & Vlasakova, 2021:4

3. *Acanthocinus nodosus* (Fabricius, 1775)

Type locality - Holotype male: United States, Maryland. (BMNH() **Distribution** - Eastern United States from Pennsylvania to Florida west to Texas. **Host plants** - *Quercus virginiana* Miller (Fagaceae), *Pinus palustris* Miller, *P. rigida* Miller, *P, taeda* Linnaeus (Pinaceae)

Cerambyx nodosus Fabricius, 1775: 164; 1781: 209; 1787: 131; Olivier, 1790: 291, pl. 14, fig. 103; Gmelin, 1790: 1819; Zimsen, 1964: 168 (type)

Lamia nodosa; Fabricius, 1793: 272; Palisot de Beauvois, 1805: 244, pl. 36, fig 4; Schoenherr, 1817: 380

Cerambix (Lamia) nodosa; Olivier, 1795: 75, pl. 14, fig. 103

Acanthocinus nodosus; Dejean, 1821: 106 (cat.); White, 1855: 368; Lacordaire, 1872: 791; LeConte, 1873b: 339; Riley, 1880a: 271 (hosts); Horn, 1880a: 130; LeConte & Horn, 1883: 324; Horn, 1885a: 89; 1886a: 138; Gahan, 1888b: 300; Hamilton, 1891a: 132; Leng & Hamilton, 1896: 132; Beutenmuller, 1896: 766 (hosts); Smith, 1900: 295 (distr.); Klages, 1901: 273 (distr.); Ulke, 1903: 27 (distr.); Hopkins, 1904: 35 (biol.); Smith, 1910: 334; Davis & Leng, 1912: 321 (hosts); Nicolay, 1919: 71 (distr.); Craighead, 1923: 119 (larva); Leonard, 1928: 453 (distr.); Knull, 1932: 64 (hosts); Savely, 1939: 333 (biol.); Loding, 1945: 123 (distr.); Knull, 1946: 258, pl. 29, fig. 1; Craighead, 1950: 236; Beal, Haliburton & Knight, 1952: 111 (biol.); Overgaard, 1968: 1198 (biol.); Baker. 1972: 196, fig. 67; Monné, M.A. & Giesbert, 1995a: 254 (checklist); Linsley & Chemsak, 1995: 40; Yanega, 1996: 133, pl. 28, fig. 318; Linsley & Chemsak, 1997: 337 (hosts); Peck & Thomas, 1998: 122 (distr.); Schiefer, 1998b: 125 (distr.); Dodds, Graber & Stephens, 2002: 452; Monné, M.A. & Hovore, 2006:

174 (checklist); Holt, 2013: 250 (distr.); Haack, Keena & Eyre, 2017: 72 (biol.); Maier, 2017: 425 (distr., hosts); Klingeman *et al*., 2017: 297 (distr.)

Astynomus nodosus; Dejean, 1835: 337 (cat.); Laporte, 1840: 463; Haldeman, 1847a: 46; Chevrolat, 1852a: 650; Chenu, 1870; 321

Aedilis nodosus; LeConte, 1852: 174; Melsheimer, 1853: 107 (cat.); Bland, 1861: 97 (distr., hosts); Packard, 1881: 159 (biol.); 1890: 700 (biol.)

Graphisurus (Tylocerina) nodosus; Casey, 1913: 340

Graphisurus nodosus; Leng, 1920: 283; Kirk & Knull, 1926: 44; Engelhardt, 1928: 252 (distr.); Brimley, 1938: 218 (distr.)

Tylocerina nodosus; Dillon, 1956b: 230 (syn.); Frost, 1966: 245 (distr.); Wray, 1967: 47 (distr.); Kirk, 1969: 87 (distr.); Finn, Mastro & Payne, 1972: 644, figs; Drooz, 1985: 304, fig. 139; Chemsak, Linsley & Noguera, 1992: 148 (cat.); Monné, M.A., 1995a: 4 (cat.)

Acanthocinus (Tylocerina) nodosus; Turnbow & Franklin, 1980: 245 (distr.)

Lamia bifidator Fabricius, 1801: 286; Schoenherr, 1817: 373; Zimsen, 1964: 168 (types).

Type locality - Holotype female. America Boreali. (depository unknown)

Graphisurus (Tylocerina) laticollis Casey, 1913: 341; Lingafelter *et al*., 2014: 87, fig. 95 e (holotype)

Graphisurus laticollis; Brimley, 1938: 218 (distr.)

Acanthocinus laticollis: Fattig, 1947: 38 (distr.)

Type locality - Holotype male: United States, North Carolina: Southern Pines (USNM)

4. *Acanthocinus obliquus* (LeConte, 1862)

Syntypes locality - Syntypes male and female: United States, Kansas. (MCZN). **Distribution** - British Columbia to northern Baja California east to South Dakota and south to New Mexico, Mexico (Chihuahua), Guatemala, Honduras. **Host plants** - *Picea* sp., *Pinus ayacahuite* Ehrenberg ex Schlechtendal, *P. contorta* Douglas ex Loudon, *P. coulteri* D. Don, *P. edulis* Engelhorn, *P. flexilis* James, *P. jeffreyi* Balfour, *P. leiophylla* Schlechtendal & Chamisso, *P. leiophylla chihuahuana* (Engelmann) A.E.Murray, *Pinus longaeva*, *Pinus jeffreyi/ P. monophylla* Torrey & Frémont, *P. ponderosa* Douglas ex Lawson & P. Lawson, *P. sabiniana* Douglas ex D. Don, *P. scopulorum* Lemmon (Pinaceae).

Aedilis obliquus LeConte, 1862: 39.

Acanthocinus obliquus; LeConte, 1873b: 339; Gemminger *in* Gemminger & Harold, 1873: 3162 (cat.); Snow, 1877: 19 (distr.); Horn, 1880a: 130; Snow, 1881: 70 (distr.); 1883: 42 (distr.); LeConte & Horn, 1883: 324; Gahan, 1888b: 300; Slosson, 1895a: 6 (distr.); Hamilton *in* Leng & Hamilton, 1896: 132; Fall, 1901: 151 (distr.); Schaeffer, 1901: 28; Skinner, 1903: 40 (distr.); Fall & Cockerell, 1907: 194 (distr.); Schaeffer, 1908a: 331 (distr.); Garnett, 1918: 282 (distr.); Craighead, 1923: 120 (larva); DeLeon, 1934: 57 (hosts); Keen, 1938: 137 (hosts); Bedard, 1938: 193 (hosts); Loding, 1945: 123 (distr.); Keen, 1952: 174 (hosts); Clark, M.E., 1956: 42 (distr.); Furniss & Carolin, 1977: 308 (biol.); Monné, M.A. & Giesbert, 1995a: 246 (checklist); Linsley & Chemsak, 1995: 46, fig. 7 (syn.); 1997: 337 (hosts); Heffern, 1998: 21 (distr., hosts); Monné, M.A., 2001: 4 (cat. hosts); Turnbow, Cave & Thomas, 2003: 29 (distr.); Monné, M.A., 2005: 9 (cat.); Monné, M.A. & Hovore, 2006: 174 (checklist); Rice, MacRae & Merickel, 2017: 671 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 162, pl. 38; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

Graphisurus (Graphisurus) obliquus; Casey, 1913: 337.

Acanthocinus (Acanthocinus) obliquus; Aurivillius, 1923: 434 (cat.).

Graphisurus obliquus; Hardy, 1926: 10; Essig, 1926: 460 (biol.); Keen, 1929: 64 (biol.); Doane *et al*., 1936: 189 (biol.); Hardy, 1945: 90; Papp, 1955: 220 (distr.); Edwards, 1957: 52 (hosts).

Neacanthocinus obliquus obliquus; Dillon, 1956b: 234, pl. 1, fig. 2; Tyson, 1966: 205 (hosts); Lewis, 1979: 25 (distr.); Chemsak, Linsley & Noguera, 1992: 142 (cat.); Monné, M.A., 1995a: 18 (cat.)

Acanthocinus (Neacanthocinus) obliquus obliquus; Linsley, Knull & Statham, 1961: 30, fig. 22.

Neacanthocinus obliquus; Ross, 1968: 11 (biol.); Horning & Barr, 1970: 38 (distr.); Hatch, 1971: 151, pl. 19, fig. 6; Chemsak, Linsley & Mankins, 1980: 36 (distr.).

Graphisurus (Graphisurus) acomanus Casey, 1913: 337; Lingafelter *et al*., 2014: 9, fig. 8q, r (type).

Acanthocinus (Acanthocinus) acomanus; Aurivillius, 1923: 434 (cat.).

Type locality - Holotype male: United States, New Mexico. (USNM).

Graphisurus (Graphisurus) obliquus sedulus Casey, 1913: 337; Lingafelter *et al*., 2014: 109, figs. 120s, t (lect. designation).

Acanthocinus (Acanthocinus) obliquus var. *sedulus*; Aurivillius, 1923: 434 (cat.).

Type locality - Lectotype male: United States, New Mexico: Fort Wingate. (USNM).

Graphisurus (Graphisurus) obliquus chihuahuae Casey, 1913: 337; Lingafelter *et al*., 2014: 109, figs. 120q, r (holotype).

Acanthocinus (Acanthocinus) obliquus var. *chihuahuae*; Aurivillius, 1923: 434 (cat.); Duffy, 1960: 247 (hosts).

Neacanthocinus obliquus v. (? ssp.) *chihuahuae*; Gilmour, 1965: 559 (cat.).

Neacanthocinus obliquus chihuahuae; Chemsak, Linsley & Noguera, 1992: 143 (cat.); Noguera & Chemsak, 1996: 406 (cat.).

Type locality - Holotype male: Mexico, Chihuahua. (USNM).

Graphisurus (Graphisurus) pacificus Casey, 1913: 338; Lingafelter *et al*., 2014: 294, figs. 125s, t (holotype).

Acanthocinus (Acanthocinus) pacificus; Aurivillius, 1923: 434 (cat.).

Neacanthocinus obliquus pacificus; Dillon, 1956b: 235, pl. 1, fig. 3; Tyson, 1966: 205 (hosts); Hatch, 1971: 151; Chemsak, Linsley & Noguera, 1992: 143 (cat.).

Type locality - Holotype male: United States, California: Siskiyou Co. (USNM).

Graphisurus obtusus Casey, 1924: 292; Lingafelter *et al*., 2014: 110, figs. 121s, t (holotype).

Type locality - Holotype male: United States, Idaho: Priest Lake. (USNM).

5. *Acanthocinus obsoletus* (Olivier, 1795)

Syntypes localities - Syntypes: United States, Carolina, Pennsylvania. (MHNG). **Distribution** - Eastern North America from southern Quebec to Florida west to Minnesota and Texas. **Host plants** – *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Pinus* spp. (Pinaceae)

Cerambyx (Lamia) obsoletus Olivier, 1800: 130, pl. 13, fig. 90

Lamia obsoleta; Schoenherr, 1817: 375

Lamia (Acanthocinus?) obsoleta; Harris, 1837: 86; Chevrolat, 1838:119

Aedilis obsoletus; LeConte, 1852: 174; Melsheimer, 1853: 107; Bland, 1861: 97 (distr., hosts); Packard, 1881; 159; 1890; 700 (biol.)

Graphisurus obsoletus; Bates, 1864: 14; Lacordaire, 1872: 787; Kirk & Knull, 1926: 44 (distr.); Brown, 1934: 230 (distr.); Brimley, 1938: 218 (distr.); Smith, 1953: 41 (biol.); Zayas, 1975: 275, pl. 34, fig. b

Acanthocinus obsoletus; LeConte, 1873b: 339; Horn, 1880a: 138; Gahan, 1888b: 300; Hopkins, 1893: 197 (biol,); Evans, 1895: 173 (distr.); Bowditch, 1896: 34 (host); Slosson, 1896: 263 (distr,); Leng & Hamilton, 1896: 132; Beutenmuller, 1896: 79 (host); Wickham, 1897b: 159 (distr.); 1898a: 38; Warren, 1899: 296 (distr.); Smith, 1900: 295 (distr.); Klages, 1901: 273 (distr.); Ouellet, 1902: 122 (distr.); Schaeffer, 1902: 236 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 27 (distr.); Hopkins, 1904: 35 (biol.); Felt, 1906: 662 (distr.); Wickham, 1909a: 29 (distr.); Blatchley, 1910: 1079; Smith, 1910: 334 (distr.); Elliott & Morley, 1911: 466 (paras.); Davis & Leng, 1912: 321 (hosts); Fisher & Kirk, 1912: 315 (distr.); Frost, 1912: 307; Morris, 1916b: 197 (distr.); Chagnon, 1917: 236 (distr.); Dozier, 1918: 335 (distr.); Morris, 1919: 51 (biol.); Nicolay, 1919: 71 (distr.); Craighead, 1923: 120 (larva); Fall, 1926: 203 (distr.); Leonard, 1928: 453 (distr.); Beaulne, 1932: 220 (hosts); Chagnon, 1938: 274; Savely, 1939: 333 (biol.); Loding, 1945: 123 (distr.); Knull, 1946: 258; Fattig, 1947: 38; Craighead, 1950: 236; Howden & Vogt, 1951: 591 (hosts); Beal, Haliburton & Knight, 1952: 111 (biol.); Becker, 1955: 164 (control); Chagnon & Robert, 1962: 274; Peck, 1963: 955 (paras.); Baker. 1972: 196 (biol.); Rice & Enns, 1981: 102 (distr.); Linsley & Chemsak, 1995: 41 (syn.); Monné, M.A., & Giesbert, 1995: 246 (cat.); Browne & Peck, 1996: 2159 (distr.); Yanega, 1996: 133, pl. 28, figs 314 a.b; Linsley & Chemsak, 1997: 337 (hosts); Peck &

Thomas, 1998: 122 (distr.); Schiefer, 1998b: 125 (distr.); Vlasák & Vlasakova, 2002: 214 (distr., hosts); Sikes & Webster, 2005: 321 (distr.); Monné, M.A. & Hovore, 2006: 174 (checklist); Turnbow & Thomas, 2008: 15 (distr.); Guarnieri, 2009: 18 (distr.); Holt, 2013: 250 (distr., hosts); DiGirolomo & Dodds, 2017: 410 (hosts); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 162, pl. 38

Graphisurus (Graphisurus) obsoletus; Casey, 1913: 335

Neacanthocinus obsoletus; Dillon, 1956b: 232, pl.1, fig. 4; Wray, 1967: 47; Overgaard, 1968:1198 (biol.); Bayer & Shenefelt, 1969: 29, fig. 37; Kirk, 1969: 87; Wallace & Franklin, 1970: 25 (paras.); Finn, Mastro & Payne, 1972: 644, figs 7,8; Perry, 1975: 59 (hosts); Gosling & Gosling, 1976: 25 (distr.); Laliberté, Chantal & LaRochelle, 1977: 95 (biol.); Waters & Hyche, 1984: 285 (distr.); Drooz, 1985: 304; Chemsak, Linsley & Noguera, 1992: 142 (cat.); MacRae, 1993: 244 (distr., hosts); Monné, M.A. & Giesbert, 1995a: 255 (checklist); Monné, M.A., 1995a: 2 (cat.);

Graphisurus (Graphisurus) floridanus Casey, 1913: 336; Lingafelter *et al*., 2014: 64, fig. 69 k (lectotype)

Type locality - Lectotype female:United States, Florida (USNM)

Graphisurus punctatus Casey, 1924: 293; Chemsak & Linsley, 1982: 93; Chemsak, Linsley & Noguera, 1992: 137 (cat.); Monné, M.A., & Giesbert, 1994: 246 (cat.)

Type locality - Holotype female: United States, Michigan, Marquette, Lake Superior. (USNM).

6. *Acanthocinus princeps* (Walker, 1866)

Syntypes locality - Syntypes male and female: Canada, British Columbia. (BMNH). **Distribution** - Pacific Coast from Southern British Columbia south to southern California. **Host plants** – *Pinus coulteri* D.Don, *Pinus jeffreyi* Balfour, *P. ponderosa* Douglas ex Lawson & P. Lawson, *P. sabiniana* Douglas ex D. Don (Pinaceae)

Eutrypanus princeps Walker, 1866: 331; LeConte, 1852: 402

Graphisurus (Canonura) princeps; Casey, 1913: 339

Canonura princeps; Dillon, 1956b: 227 (hosts, syn.); Hatch, 1971: 151; Chemsak, Linsley & Noguera, 1992: 135 (cat.); Monné, M.A., 1995a: 5 (cat.)

Acanthocinus princeps; Swan & Papp, 1972: 454, fig. 974; Furniss & Carolin, 1977: 308, figs 187 a 187 b (biol.); Linsley & Chemsak. 1995: 62; 1997: 337 (hosts); Allison *et al*., 2000: 3 (paras.); Monné, M.A. & Hovore, 2006: 174 (checklist); Macias Samano *et al*., 2012: 823 (hosts, pheromone); Bousquet, Laplante, Hammond & Langor, 2017: 162, pl. 38

Neacanthocinus princeps; Monné, M.A., 1994: 255 (cat.);

Graphisurus (Canonura) vinctus Casey, 1913: 340; Lingafelter *et al*., 2014: 343, fig. 82 a (holotype)

Type locality - Holotype male: United States, California: Siskiyou County. (USNM)

7. *Acanthocinus pusillus* Kirby, 1837

Type locality - Holotype: United States, New York (BMNH). **Distribution** - This species ranges from Cape Breton Island to central Alaska, south at least to northwestern Montana, northern Minnesota and North Carolina. **Host plants** - *Pinus resinosa* Aiton, *P. strobus* Linnaeus (Pinaceae)

Acanthocinus (Graphisurus) pusillus Kirby, 1837: 169; Bethune, 1872: 5; Horn, 1880: 129

Graphisurus pusillus; Melsheimer, 1853: 107 (cat.); Bland, 1961: 97; Bates, 1864: 14; Lacordaire, 1872: 787; Austin & LeConte 1874: 271 (distr.); Planchard, 1875: 97 (biol.); Horn, 1876: 169; Hopkins, 1893: 97 (biol.); Smith, 1900: 295 (distr.); Klages, 1901: 273; Casey, 1913: 336; Mundinger, 1924: 320; Leonard, 1928: 453 (distr.); Criddle, 1928: 97 (distr.); Beaulne, 1932: 220 (hosts); Brimley, 1938: 218 (distr.); Procter, 1946: 183 (distr.)

Acanthocinus pusillus; White, 1855: 369; Schaeffer, 1901: 28; 1902: 236 (distr.); Smith, 1910: 334; Belkin, 1934: 222 (distr.); Knull, 1946: 158; Fattig, 1947: 38 (distr.); Gardiner, 1955: 219, figs 1-4 (larva); 1957: 250 (larva); Dillon, 1956b: 233; Baker, 1972: 196 (biol.); Furniss & Carolin, 1977: 309 (biol.); Turnbow & Franklin, 1980: 347; Linsley & Chemsak, 1995: 43; Monné, M.A. & Giesbert, 1995a: 246 (checklist); Yanega, 1996: 134, pl. 28, fig. 313;

Linsley & Chemsak, 1997: 337 (host); Vlasák & Vlasakova, 2002: 14 (distr., hosts); Monné, M.A. & Hovore, 2006: 174 (checklist); Majka, McCorquodale & Smith, 2007: 262; Wallin, Kyamme & Lin, 2012: 4; Webster, 2016: 488 (distr.); Webster, 2016: 488; DiGirolomo & Dodds, 2017: 410 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 162, pl. 38

Ceratographis pusilla; Ulke, 1903: 27 (distr.); Hopkins, 1904: 35 (biol.)

Neacanthocinus pusillus; Gilmour, 1965: 559 (cat.); Gardiner, 1969: 89 (nymph); Bayer & Shenefelt, 1969: 29, fig. 37; Gosling & Gosling, 1976: 25 (distr.); Drooz, 1985: 304; Gosling, 1986: 156 (hosts); Chemsak, Linsley & Noguera, 1992: 142 (cat.); Monné, M.A., 1995a: 3 (cat.)

8. *Acanthocinus spectabilis* (LeConte, 1854)

Type locality - Holotype male: United States, New Mexico: Fort Union. (MCZN). **Distribution** - United States (Alaska, Montana and South Dakota south to Arizona), northern Mexico (Tamaulipas). **Host plants** - *Pinus arizonica* Engelmann ex Rothrock, *P. leiophylla chihuahuana* (Engelmann) A.E.Murray, *P. ponderosa* Douglas ex Lawson & P. Lawson, *P. sabiniana* Douglas ex Don, *P. scopulorum* Lemmon (Pinaceae)

Aedilis spectabilis LeConte, 1854b: 82; 1859a: 22, pl. 2, fig. 16; 1866: 348 (distr.).

Acanthocinus spectabilis; Gemminger *in* Gemminger & Harold, 1873: 3162 (cat.); Snow, 1877: 19 (distr.); Horn, 1880a: 130; Snow, 1881: 70 (distr.); 1883: 42 (distr.); LeConte & Horn, 1883: 324; Gahan, 1888b: 300; Harrington, 1899b: 108 (distr.); Fall, 1901: 151 (distr.); Skinner, 1903: 40 (distr.); Fall & Cockerell, 1907: 194 (distr.); Garnett, 1918: 282 (distr.); Craighead, 1923: 120, pl. 13, fig. 4 (*partim*); Keen, 1938: 136, fig. 67 (biol.); Little, 1943: 246 (hosts); Knowlton & Wood, 1950: 13 (distr.); Keen, 1952: 174, fig. 81 (biol.); Furniss & Carolin, 1977: 308 (hosts); Linsley & Chemsak, 1995: 50, fig. 9; 1997: 337 (hosts); Heffern, 1998: 21 (distr., hosts); Monné, M.A., 2001: 4 (cat. hosts); Monné, M.A., 2005: 10 (cat.); Monné, M.A. & Hovore, 2006: 174 (checklist); Spomer, 2014: 20; García Morales *et al*., 2015: 107 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

Graphisurus (Canonura) spectabilis; Casey, 1913: 339.

Acanthocinus (Canonura) spectabilis; Aurivillius, 1923: 434 (cat.); Linsley, Knull & Statham, 1961: 30 (distr., hosts); Lewis, 1979: 25 (distr., hosts).

Graphisurus spectabilis; Essig, 1926: 460; Keen, 1929: 62, figs. 7a, 31 (biol.); Doane *et al*., 1936: 189, fig. 100 (biol.); Edwards, 1957: 52 (hosts).

Canonura spectabilis; Dillon, 1956b: 226, pl. 1, fig. 6; Tyson, 1966: 203 (hosts); 1967: 85 (biol.); Chemsak, Linsley & Noguera, 1992: 135 (cat.); Terrón, 1992: 293, 298, 307, fig. 14 (distr.,hosts); Monné, M.A., 1995a: 5 (cat.); Noguera & Chemsak, 1996: 406 (cat.).

Alcidion Sturm, 1843

Alcidion Sturm, 1843: 254; Monné, M.A., 1977: 698 (syn.); Monné, M.A., 1995a: 26 (cat.) Monné, M.A., 2005: 11 (cat.). 2012: 66; Monné, M.A. & Hovore, 2006: 174 (checklist)

Type-species - *Acanthocinus humeralis* Perty, 1832 (monotypy).

Probatius White, 1855: 389; Thomson, 1860: 16; 1864: 27; 1865: 355; Bates, 1864: 47; Lacordaire, 1872: 781; Bates, 1881a: 175; Dillon, 1962: 32 (syn.); Zayas, 1975: 271; Linsley & Chemsak, 1995: 5.

Type-species - *Acanthocinus humeralis* Perty, 1832 (subsequent designation, Monné, M. A., 1977: 698).

Hirsutographis Dillon, 1956b: 207; Arnett, 1962: 872, 890.

Type-species - *Hirsutographis pulchra* Dillon, 1956 (original designation).

1. *Alcidion umbraticum* (Jacquelin DuVal, 1857)

Type locality - Holotype: Cuba. (MNHN). **Distribution** - United States (Southern Florida), Puerto Rico, Cuba, Bahamas, Jamaica. **Host plants** - *Coffea arabica* Linnaeus (Rubiaceae).

Probatius umbraticus Jacquelin DuVal *in* Sagra, 1857: 272, pl. 10, fig. 10; Chevrolat, 1862: 249; Gundlach, 1894: 327 (distr.); Gahan, 1895: 137; Hamilton *in* Leng & Hamilton, 1896: 142; Leng & Mutchler, 1914: 450 (distr.); Wolcott, 1924: 111 (distr.); 1936: 265; 1948: 346

(distr.); Knull, 1954: 130; Dillon, 1962: 32 (syn.); Arnett, 1962: 891; Zayas, 1975: 271, pl. 33, fig. d; Lozada Piña, Fernández García & Trujillo Anaya, 2004: 106 (distr.).

Alcidion umbraticum; Monné, M.A., 1977: 698; Chemsak, Linsley & Noguera, 1992: 133 (cat.); Browne, Peck & Ivie, 1993: 51 (distr.); Linsley & Chemsak, 1995: 6, fig. 1; Monné, M.A. & Giesbert, 1995a: 246 (checklist); Monné, M.A., 1995a: 28 (cat.); Vitali & Rezbanyai-Reser, 2003: 21, fig. 32; Lingafelter & Micheli, 2004: 50 (distr.); Monné, M.A., 2005: 13 (cat.); Peck, 2005: 177 (distr.); Monné, M.A. & Hovore, 2006: 175 (checklist)

Turnbow & Thomas, 2008: 16 (distr.); Micheli, 2010: 142, pl. 39.

Hirsutographis pulchra Dillon, 1956b: 207; Chemsak, 1977a: 175 (type).

Type locality - Holotype female: United States, Florida: South Miami. (FMNH).

Astyleiopus Dillon, 1956

Astyleiopus Dillon, 1956a: 161; Dillon & Dillon, 1961: 638; Arnett, 1962: 872; Bayer & Shenefelt, 1969: 26; Rice & Enns, 1981: 98; Linsley & Chemsak, 1995: 34; Monné, M.A., 1995a: 104; Bousquet, 2008: 623

Type species - *Amniscus variegatus* Haldeman, 1847 (original designation)

1. *Astyleiopus variegatus* (Haldeman, 1847)

Syntypes locality - Syntypes: United States. (MCZN). **Distribution -**This species ranges from Cape Breton Island to central Alberta, north to the Fort McMurray area in northeastern Alberta, south to Arizona, southern Texas, Alabama, and northern Georgia. **Host plants** - *Acer negundo* Linnaeus (Aceraceae), *Rhus glabra* Linnaeus (Anacardiaceae), *Cercis canadenses* Linnaeus (Caesalpiniaceae), *Celastrus scandens* Linnaeus (Celastraceae), *Junperus virginiana* Linnaeus (Cupressaceae), *Caragana arborescens* Lamarck, *Robinia pseudoacacia* Linnaeus (Fabaceae), *Juglans nigra* Linnaeus (Juglandaceae), *Ficus carica* Linnaeus (Moraceae), *Phoradendron flavescens* Nuttall (Viscaceae), *Vitis arborea* Linnaeus (Vitaceae).

Amniscus variegatus Haldeman, 1847a: 47; LeConte, 1852: 172; Melsheimer, 1853: 108 (cat.); White, 1855: 388; Bland, 1861: 98 (distr., hosts); Horn, 1868: 124 (distr.);

Sternidius variegatus; LeConte, 1873a: 235; 1873b: 338; Popenoe, 1877: 34 (distr.); Lameere, 1883: 65 (cat.); Linsley & Chemsak, 1995: 35; 1997: 436 (hosts); Yanega, 1996: 137, pl. 27, fig. 303; Heffern, 1998: 22 (distr.); Schiefer, 1998b: 126 (distr.); Vlasák & Vlasakova, 2002: 215 (distr., hosts); Sikes & Webster, 2005: 321 (distr.); Monné, M.A. & Hovore, 2006: 196 (checklist); MacRae & Rice, 2007: 256 (distr.).

Liopus variegatus; Horn, 1880a: 124; Harrington, 1887: 30 (biol.); Packard, 1890: 354 (biol.); Chittenden, 1893: 247 (paras.); 1894: 100 (biol.); Hopkins, 1893: 196 (biol.); Hamilton, 1895a: 339 (distr.); 1896: 122 (distr.); Beutenmuller, 1896: 79 (hosts); Wickham, 1898a: 37; Warren, 1899: 296 (distr.); Smith, 1900:294 (distr,); Ouellet, 1902: 122 (distr.); Dury, 1902: 162 (distr,); Ulke, 1903: 27 (distr.); Felt, 1906: 720 (hosts); Houghton, 1908: 161 (hosts); Daecke & Champlain, 1909: 330 (hosts); Blatchley, 1910: 1074; Smith, 1910: 333; Leng, 1910: 77 (distr.); Elliott & Morley, 1911: 466 (paras.); Fisher & Kirk, 1912: 314 (distr.); Garman, 1916: 122 (hosts); Chagnon, 1917: 236 (distr.); Morris, 1918: 41; Nicolay, 1919: 70 (distr.); Rosewall, 1920: 203 (hosts); Britton, 1920; 271 (distr.); Craighead, 1923; 116, pl. 24, fig. 6 (larva); Carr, 1923: 197 (distr.); Kirk & Knull, 1926: 43 (distr.); Engelhardt, 1928: 252 (distr.); Beaulne, 1932: 220 (hosts);

Leiopus variegatus; Champlain, Kirk & Knull, 1925: 140; Leonard, 1928: 452 (distr.); Knull, 1930: 102 (hosts); Wolcott & Montgomery, 1933: 157; Pechuman, 1937: 12 (hosts); Chagnon, 1938: 273; Brimley, 1938: 218 (distr.); Hoffmann, 1942: 11; Loding, 1945: 122 (distr.); Knull, 1946: 248; Fattig, 1947: 35 (distr.); Steyskal, 1951: 46 (hosts); Papp, 1955: 219 (distr.); Alexander, 1958: 47 (distr.); Chagnon & Robert, 1962: 273; Senchina, 2005: 332 (hosts)

Astyleiopus variegatus; Dillon, 1956a: 162, fig. 7; Dillon & Dillon, 1961: 638, pl. 53; Bayer & Shenefelt, 1969: 27, fig. 35; Gardiner, 1969: 91 (larva); Kirk & Balsbaugh, 1975: 99 (distr.); Stein & Tagestad, 1976: 4; Gosling & Gosling, 1976: 27 (distr.); Solomon, Doolittle & Spillman, 1976: 190; Hovore & Giesbert, 1976: 358 (distr.); Laliberté, Chantal &

LaRochelle, 1977: 91 (biol.); Headstrom, 1977: 377; Turnbow & Franklin, 1980: 344 (distr.); Rice & Enns, 1981: 102 (distr., hosts); Gosling, 1984: 71 (hosts); Furth, 1985: 192 (hosts); Hovore, Penrose & Neck, 1987: 318; Chemsak, Linsley & Noguera, 1992: 134 (cat.); Lingafelter & Horner, 1993: 193 (distr.); MacRae, 1993: 246 (distr., hosts); Monné, M.A. & Giesbert, 1995a: 270 (checklist); Monné, M.A., 1995a: 105 (cat.); Bousquet, 2008: 623; Guarnieri, 2009: 18 (distr.); Holt, 2013: 250 (hosts); Vlasák, 2014: 319 (hosts); Steury & MacRae, 2014; 11 (distr.); Webster, 2016: 488; Klingeman *et al*,, 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 161, pl. 40

Amniscus variegatus var. *trifasciatus* Haldeman, 1847a: 47

Syntypes locality - Syntypes: United States, Alabama (MCZN)

Amnisus variegatus var. *obscurus* Haldeman, 1847a: 47

Type locality - Holotype: United States. (MCZN)

Astylidius Casey, 1913

Astylidius Casey, 1913: 308; Bradley, 1930: 246; Knull, 1946: 247; Dillon, 1956a: 149; Arnett, 1962: 872; Rice & Enns, 1981: 98; Linsley & Chemsak, 1995: 132; Monné, M.A., 1995a: 76 (cat.); Monné, M.A. & Hovore, 2006: 176 (checklist);

Type species - *Leptostylus parvus* LeConte, 1873 (original designation)

1. *Astylidius parvus* (LeConte, 1873)

Syntype locality - Syntypes: United States, Western States. (MCZN). **Distribution** - Middle eastern states to Minnesota, Mississippi and Texas. **Host plants -** *Diospyros virginiana* Linnaeus (Ebenaceae), *Aesculus glabra* Willdenow (Hippocastanaceae), *Albizia julibrissin* Durazzini, *Pithecellobium flexicaule* (Bentham) Coulter, *P. pallens* (Bentham) Standley, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Morus alba* Linnaeus (Moraceae), *Zanthoxylum clava-herculis* Linnaeus, *Z. fagara* (Linnaeus) Sargent (Rutaceae)

Leptostylus parvus LeConte, 1873a: 234; Horn, 1880a: 121; Lameere, 1883: 65 (cat.); Harrington, 1884a: 73 (distr.); Chittenden, 1894: 99 (hosts); Hamilton, 1895: 339 (distr.); Leng & Hamilton, 1896: 119; Wickham, 1897a: 208; Dury, 1902: 162 (distr.); Ulke, 1903: 27 (distr.); Townsend, 1903: 78 (distr.); Felt, 1906: 702 (hosts); Schaeffer, 1908a: 328 (distr.); Morris, 1908: 447 (distr.); 1909: 61 (biol.); Smith, 1910: 333; Blatchley, 1910: 1072; Fisher & Kirk, 1912: 314 (distr.); Blatchley, 1919: 65 (distr.); Craighead, 1923:116; Beaulne, 1932: 220 (hosts)

Astylidius parvus; Casey, 1913: 308; Champlain, Kirk & Knull, 1925; 140 (hosts); Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 452 (hosts); Linsley & Martin, 1933: 182 (distr.); Loding, 1945: 122 (distr.); Knull, 1946: 147, pl. 22, fig. 90; Vogt, 1949: 181 (distr.); Steyskal, 1951: 76 (hosts); Dillon, 1956a: 150; Turnbow & Wappes, 1978: 370; 1981: 77 (hosts); Furth, 1985: 192; Hovore, Penrose & Neck, 1987: 317; Chemsak, Linsley & Noguera, 1992: 134 (cat.); Monné, M.A., 1995a; 77 (cat.); Linsley & Chemsak, 1995: 133 (syn.); 1997: 346 (hosts); Yanega, 1996: 134, pl. 27, fig. 305; Burne, 1998: 70; Schiefer, 1998b: 125 (distr.); Senchina, 2005: 332 (hosts); Monné, M.A. & Hovore, 2006: 176 (checklist); Holt, 2013: 250 (distr., hosts); Meier *et al*., 2016: 1181 (pherom.); Klingeman *et al*., 2017: 298 (distr.)

Astylidius versutus Casey, 1913: 308; Lingafelter *et al*., 2014: 343, fig. 81 e (holotype)

Astylidius versutus versutus; Dillon, 1956a: 149; Rice & Enns, 1981: 98; MacRae, 1993: 244; Monné. M.A., 1995; 77 (cat.)

Type locality - Holotype male: United States, District of Columbia. (USNM)

Astylidius leiopinus Casey, 1913: 308; Vogt, 1949: 181 (distr.); Lingafelter *et al*., 2014: 88, fig. 96 u (holotype)

Type locality - Holotype female: United States, Texas, Columbus (USNM)

Leptostylus monki Knull, 1936: 106; Chemsak, 1977a: 176 (types)

Type locality - Holotype: United States, Texas:Donna. (FMNH)

Astylidius versutus downiei Dillon, 1956a: 150, pl. 1, fig. 4; Gosling & Gosling, 1976: 25 (distr.); Chemsak, 1977a: 173 (types); Chemsak, Linsley & Noguera, 1992: 134 (cat.); Monné, M.A., 1995a: 77 (cat.)

Type locality - Holotype male: United States, Indiana: Tippecanoe County. (FMNH)

Astylopsis Casey, 1913

Astylopsis Casey, 1913: 309; Bradley, 1930: 246; Chagnon, 1938: 272; Knull, 1946: 245; Chagnon & Robert, 1962: 272; Monné, M.A., 1995a: 77 (cat.); Linsley & Chemsak, 1995: 58; Schiefer, 2001a: 537; Monné, M.A. & Hovore, 2006: 176 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 162 (key spp)

Type species - *Lamia macula* Say, 1826 (original designation)

Amniscus Haldeman, 1847a: 46; White, 1855: 390; Lacordaire, 1872: 761; Dillon, 1956a: 151; Dillon & Dillon, 1961: 638; Arnett, 1962: 872; Bayer & Shenefelt, 1969: 26; Rice & Enns, 1981: 98

Type species - *Lamia macula* Say, 1826 (Dillon designation, 1956: 151)

1. *Astylopsis arcuata* (LeConte, 1878)

Type locality - Holotype: United States, Florida: Tampa. (MCZN). **Distribution** - Maryland to Florida west to Arkansas and Louisiana. **Host plants** – *Pinus caribaea* Morelet, *P. palustris* Miller (Pinaceae)

Leptostylus arcuatus LeConte, 1878: 414; Horn, 1880a: 121; Lameere, 1883: 84 (cat.); Leng & Hamilton, 1896: 118; Davis & Leng, 1912: 121 (hosts); Loding, 1933: 149 (distr.); Knull, 1942: 227 (syn.); Loding. 1945: 121 (distr.); Fattig, 1947: 34 (distr.)

Amniscus arcuatus arcuatus; Dillon, 1956a: 154 (syn.); Kirk, 1969: 86 (distr.)

Amniscus arcuatus; Turnbow & Franklin, 1980: 344 (distr.); Chemsak, Linsley & Noguera, 1992: 133 (cat.)

Astylopsis arcuata; Monné. M.A., & Giesbert, 1994: 241 (cat.); Linsley & Chemsak, 1995: 60, fig, 12, (syn); Monné, M.A., 1995a: 77 (cat.); Browne & Peck, 1996: 2159 (distr.); Yanega, 1996: 134, pl. 26, figs 296 a; 296 b); Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 125 (distr.); Monné, M.A. & Hovore, 2006: 176 (checklist); Guarnieri, 2010: 20 (distr.); Holt, 2013: 251 (distr.); Klingeman *et al*., 2017: 298 (distr.)

Leptostylus floridanus Champlain & Knull, 1922: 148; Chemsak, 1977a: 176 (types)

Type locality - Holotype: United States, Florida: Miami (FMNH)

Leptostylus knulli Fisher, 1925: 103; Loding, 1933: 149 (distr.); Knull, 1937a: 42 (hosts); Loding, 1945; 122 (distr.); Fattig, 1947: 34 (distr.); Lingafelter *et al*., 2014: 84, fig. 92 s (holotype)

Amniscus arcuatus knulli Dillon, 1956a: 154; Wray, 1967: 47 (distr.); Kirk, 1969: 86 (distr.); Perry, 1974: 216 (distr.)

Type locality - Holotype male: United States, Maryland: Dorchester County (near Lloyds). (USNM)

2. *Astylopsis collaris* (Haldeman, 1847)

Syntypes locality - Syntypes: United States, Alabama; (MCZN). **Distribution** - Northeastern United States, south to Maryland and west to Minnesota. **Host plants** – *Acer negundo* Linnaeus (Aceraceae), *Rhus glabra* Linnaeus (Anacardiaceae), *Quercus alba* Linnaeus, *Q. rubra* Linnaeus, *Q. velutina* Lamarck (Fagaceae), *Pinus strobus* Linnaeus (Pinaceae).

Amniscus collaris Haldeman, 1847a: 46; White, 1855: 393; Dillon, 1956a: 151; Gosling & Gosling, 1976: 25 (distr.); Laliberté, Chantal & LaRochelle, 1977: 89 (biol.); Turnbow & Franklin, 1980: 347 (distr.); Gosling, 1984: 70 (hosts); Morris, 1987: 140 (distr.); Chemsak, Linsley & Noguera, 1992: 133 (cat.)

Leptostylus collaris: LeConte, 1852: 169; Melsheimer, 1853: 108 (cat.); Lacordaire, 1872: 772; LeConte. 1873a: 233; Horn, 1880a: 120; Chittenden, 1894: 100 (hosts); Leng & Hamilton, 1896: 120; Wickha**m**, 1897a: 207; Smith, 1900: 294 (distr.); Ulke, 1903: 27 (distr.); Felt, 1906: 720; Smith, 1910: 233; Blatchley, 1910: 1072; Rohwer, 1913: 536 (paras.); Nicolay, 1919: 70 (distr.); Britton, 1920: 270 (distr.); Craighead, 1923: 115 (larva); Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 451 (distr.); Knull, 1934: 211 (hosts); Loding. 1945: 122 (distr.); Procter, 1946: 182 (distr.); Knull, 1946: 246; Fattig, 1947: 24 (distr.);

Astylopsis collaris; Monné, M.A., & Giesbert, 1984: 241 (cat.); Linsley & Chemsak, 1995: 68; Monné, M.A., 1995a: 77 (cat.); Yanega, 1996 134, pl. 26, fig. 298; Linsley & Chemsak,

1997: 347 (hosts); Vlasák & Vlasakova, 2002: 214 (distr., hosts); Monné, M.A. & Hovore, 2006: 176 (checklist); Rice & Veal, 2006: 260 (distr., hosts) Webster, McCorquodale & Majka, 2009: 300 (distr.); Holt, 2013: 251 (distr.); Webster, 2016: 488 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 163, pl. 37

Amniscus interruptus Haldeman. 1847a: 48; White, 1855: 393

Leptostylus interruptus; LeConte, 1852: 170; Melsheimer, 1853: 108 (cat.); Lacordaire, 1872: 772

Syntypes locality - Syntypes: United States, Pennsylvania. (MCZN).

3. *Astylopsis fascipennis* Schiefer, 2001

Type locality - Holotype male: United States, Mississippi: Oktibbeha County, 3 miles W. of Adaton (33°29'00"N, 88°58'13"W). (USNM). **Distribution** - United States (Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi). **Host plants** - *Acer rubrum* Linnaeus (Aceraceae), *Liquidambar styraciflua* Linnaeus (Hamamelidaceae)

Astylopsis fascipennis Schiefer, 2001a: 533, fig. 1; 2001b: 335 (distr.); Monné, M.A., & Hovore, 2006: 177 (cat.); Holt, 2013: 251 (distr.); Vlasák, 2014: 316 (hosts); Lingafelter *et al*., 2014: 60, fig. 64 u (holotype); Ciegler & Gemmill, 2018: 2 (distr., hosts)

4. *Astylopsis macula* (Say, 1826)

Syntypes locality - Syntypes: United States (depository unknown). **Distribution** - Eastern North America from Quebec to North Carolina west to Kansas and Minnesota

Host plants - *Acer rubrum* Linnaeus (Aceraceae), *Rhus radicans* Linnaeus, *R. toxicodendron* Linneus (Anacardiaceae), *Cornus florida* Linnaeus (Cornaceae), *Quercus montana*, *Quercus rubra* Linnaeus, *Q. velutina* Lamarck (Fagaceae). *Hamamelis virginiana* Linnaeus (Hamamelidaceae), *Aesculus glabra* Willdenow (Hippocastanaceae), *Carya glabra* (Miller) Sweet, *Juglans cinerea* Linnaeus, *J. nigra* Linnaeus (Juglandaceae), *Tilia americana* Linnaeus (Malvaceae).

Lamia macula Say 1826: 268; LeConte, 1859b: 327

Amniscus macula; Haldeman, 1847b: 373; 1847a: 48; LeConte, 1850: 234; 1853: 269; White, 1855: 391; Dillon, 1956a: 152; Dillon & Dillon, 1961: 638, pl. 54; Gardiner, 1966: 204, figs 25, 29, 52; 1969: 83; Gosling & Gosling, 1976: 25; Laliberté, Chantal & LaRochelle, 1977: 89 (hosts); Headstrom, 1977: 377; Turnbow & Franklin, 1980: 34 (distr.); Cote & Allen, 1980: 412 (biol.); Rice & Enns, 1981: 98 (distr., hosts); Haack & Haack, 1983: 48 (hosts); Gosling, 1984: 70 (hosts); 1986: 155 (hosts); Chemsak, Linsley & Noguera, 1992: 133 (cat.); MacRae, 1993: 245 (distr., hosts)

Leptostylus macula; Melsheimer, 1853: 108; Fitch, 1857: 458 (biol.); Bland, 1861: 97 (distr., hosts); Horn, 1868: 124 (distr.); Lacordaire, 1872: 772; LeConte, 1873a: 233; Henshaw, 1874: 23; Provancher, 1877: 628; Popenoe, 1877: 34 (distr.); Riley, 1880a: 270 (hosts); Horn, 1880a: 120; Packard, 1881: 85; Harrington, 1884b: 48 (hosts); 1884c: 102 (distr.); Packard, 1890: 337 (biol.); Chittenden, 1894: 100 (hosts); Wolcott, 1895: 310 (distr.); Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 79 (hosts); Bowditch, 1896: 34 (hosts); Leng & Hamilton, 1896: 121; Harrington, 1897: 74 (hosts); 1899a: 67; Wickham, 1897a: 207; Lugger, 1899: 208; Smith, 1900: 294; Dury, 1902: 162; Ulke, 1903: 27 (distr.); Wickham, 1909a: 29 (distr.); Smith, 1910: 333; Leng, 1910: 77; Blatchley, 1910: 1072; Fisher & Kirk, 1912: 314 (distr.); Morris, 1916b: 200 (distr.); Johnson, 1916: 119 (distr.); Chagnon, 1917: 236 (distr.); Nicolay, 1919: 70 (distr.); Morris, 1920a: 75 (distr.); Rohwer, 1921: 439 (paras.); Craighead, 1923: 114, pl. 16, fig. 7, pl. 31, fig. 3 (larva);

Astylopsis macula; Casey, 1913: 309; Britton, 1920: 271 (distr.); Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 451 (distr.); Knull, 1930: 102 (hosts); Park, 1931: 192 (biol.); Beaulne, 1932: 220 (hosts); Barrett, 1932: 289 (hosts); Loding, 1933: 149 (distr.); Knull, 1934: 211 (hosts); Pechuman, 1937: 12; Chagnon, 1938: 272; Brimley, 1938: 218 (distr.); Hoffmann, 1942: 11; Townes, 1944: 773 (paras.); Loding, 1945: 122 (distr.); Procter, 1946: 183 (distr.); Knull, 1946: 245, pl. 22, fig. 88; Fattig, 1947: 34 (distr.); Craighead, 1950: 251 (biol.); Howden, Howden & Richter, 1951: 18 (hosts); Papp, 1955: 219; Alexander, 1958: 45 (distr.); Townes & Townes, 1960: 518 (paras.); Chagnon & Robert, 1962: 272; Furth, 1985: 192; Linsley &

Chemsak, 1995: 84; Monné, M.A., 1995a: 78 (cat.); Yanega, 1996: 134, pl. 26, fig. 199; Linsley & Chemsak, 1997: 347 (hosts); Schiefer, 1998b: 125 (distr); Vlasák & Vlasakova, 2002: 214 (distr., hosts); Halik & Bergdahl, 2002: 522 (biol.); Senchina, 2005: 332; Monné, M.A. & Hovore, 2006: 177 (checklist); Guarnieri, 2009: 18 (distr.); Holt, 2013: 251 (distr.); Steury & MacRae, 2014: 11 (distr.); Webster, 2016: 488 (distr.); DiGirolomo & Dodds, 2017: 410 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 163, pl. 37; Meier *et al*., 2019: 447 (pherom.)

Amniscus sticticus Haldeman, 1847a: 48

Type locality - Holotype female: United States. (MCZN)

5. *Astylopsis perplexa* (Haldeman, 1847)

Type locality - Holotype: United States, (MCZN). **Distribution** - United States (Georgia, Florida and Texas). **Host plants** - *Baccharis halimifolia* Linnaeus (Asteraceae)

Amniscus perplexus Haldeman, 1847a: 46; White, 1855: 392; Dillon, 1956a: 155, pl. 1, fig.5; Turnbow & Franklin, 1980: 344 (distr.);

Leptostylus perplexus; LeConte, 1852: 169; Melsheimer. 1853: 108; Lacordaire. 1872: 772; LeConte, 1873a: 233; Horn, 1880a: 120; Hamilton, 1895: 339 (distr.); Leng & Hamilton, 1896: 120; Brimley, 1938: 217 (distr.); Loding, 1945: 122; Fattig, 1947: 34 (distr.); Rice, Turnbow & Hovore, 1985: 22 hosts); Palmer, 1987: 195 (biol.); Palmer & Bennett, 1988: 221; Chemsak, Linsley & Noguera, 1992: 233 (cat.); Palmer & Tomley, 1993: 27 (biol.)

Astylopsis perplexa; Casey. 1913: 309; Monné, M.A., & Giesbert, 1994: 241 (cat.); Monné, M.A., 1995a: 78 (cat.); Linsley & Chemsak, 1995: 66; 1997: 347 (hosts); Browne & Peck, 1996: 2159 (distr); Peck & Thomas, 1998: 123 (distr.); Schiefer, 2001a: 537 (type); Monné, M.A. & Hovore, 2006: 177 (checklist);

6. *Astylopsis sexguttata* (Say, 1826)

Syntypes locality - Syntypes: United States (depository unknown). **Distribution** - Eastern North America from Quebec to North Carolina west to Kansas and Minnesota. **Host plants -** *Rhus radicans* Linnaeus (Anacardiaceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Larix laricina* (Duroi) K. Koch, *Pinus glauca* (Moench) Voss, *P. banksiana* Lambert, *P. contorta* Douglas ex Loudon, *P. echinata* Miller. *P. inops* Solander, *P. resinosa* Aiton, *P. strobus* Linnaeus (Pinaceae).

Lamia 6-guttata Say, 1826: 269; LeConte, 1852: 176; 1859b: 805

Leptostylus 6-guttatus; Melsheimer, 1853: 108

Amniscus sexguttatus; White, 1855: 390; Dillon. 1956a: 153; Gardiner, 1957: 251 (biol.); Dillon & Dillon, 1961: 638, pl. 54; Bayer & Shenefelt, 1969: 27, fig. 35; Kirk, 1970: 82; Perry, 1975: 59 (hosts); Kirk & Balsbaugh, 1975: 99 (distr.); Gosling & Gosling, 1976: 25 (biol., distr.); Laliberté, Chantal & LaRochelle, 1977: 89 (biol.); Headstrom, 1977: 377; Turnbow & Franklin, 1980: 344 (distr.); Rice & Enns, 1981: 98 (distr.); Gosling, 1984: 70 (hosts); 1986: 155 (hosts); Chemsak, Linsley & Noguera, 1992: 133 (cat.); MacRae, 1993: 245 (distr., hosts)

Leptostylus sexguttatus; Leng & Hamilton, 1896: 119; Wickham, 1897a: 207; Harrington, 1899a: 67; Smith, 1910: 333; Blatchley, 1910: 1072; Morris, 1916b: 198; Nicolay, 1917: 95 (distr.); Blackman & Stage, 1918: 47, pl. 6, fig. 18; Morris, 1918: 42; Nicolay, 1919: 70 (distr.); Morris, 1920a: 76 (distr.); Craighead, 1923: 116 (larva);

Astylopsis sexguttata; Aurivillius, 1923: 399 (cat.); Easterling, 1934: 131 (hosts); Knull, 1946: 246; Fattig, 1947: 35 (distr.); Linsley & Chemsak, 1995: 62; Monné, M. A., 1995a: 78 (cat.); Yanega, 1996: 134, pl. 26, fig. 297; Krinsky & Godwin, 1996: 239; Linsley & Chemsak, 1997: 347 (hosts); Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 125; Vlasák & Vlasakova, 2002: 214 (distr., hosts); Sikes & Webster, 2005: 327 (distr.); Rice & Veal, 2006: 260 (distr.); Monné, M.A. & Hovore, 2006: 177 (checklist); Webster, McCorquodale & Majka, 2009: 300 (distr.); Guarnieri, 2010: 20 (distr.); Holt, 2013: 251 (distr.); Steury & MacRae, 2014: 11 (distr.); Webster, 2016: 488 (distr.); DiGirolomo & Dodds, 2017: 409

(hosts); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 163, pl. 37

Amniscus commixtus Haldeman, 1847a: 47; White, 1855: 393

Leptostylus commixtus; LeConte, 1852: 169; Melsheimer, 1853: 108; Fitch, 1858: 812; Bland, 1861: 197 (distr., hosts); LeConte, 1873a: 233; Riley, 1880a: 270 (hosts); Horn, 1880a: 121; Packard, 1881: 156 (biol.); 1890: 697, fig. 233 (biol.); Schwarz, 1891: 74 (hosts); Beutenmuller, 1896: 79 (hosts); Wickham, 1897b: 159 (distr.); Smith, 1900: 294 (distr., hosts); Dury, 1902: 162 (distr.); Ouellet, 1902: 122 (distr.); Ulke, 1903: 27 (distr.); Leng, 1910: 77 (distr.); Chagnon, 1917: 236 (distr.)

Syntypes localities - Syntypes: United States, Carolina, District of Columbia, Masachusetts. (MCZN)

Astylopsis guttata Casey, 1913: 309; Blackman & Stage, 1924: 115; Criddle, 1925: 98; Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 451 (distr.); Beaulne, 1932: 220 (hosts); Loding, 1933: 149 (distr.); Brimley, 1938: 218 (distr.); Chagnon, 1938: 272; Parmelee, 1941: 277 (hosts); Loding, 1945: 122 (distr.); Procter, 1946: 183 (distr.); Howden & Vogt, 1951: 591 (hosts)

Atrypanius Bates, 1864

Atrypanius Bates, 1864: 46; Thomson, 1864: 323; 1865: 354; Lacordaire, 1872: 773; Bates, 1881a: 177; Gilmour, 1965: 582 (cat., syn.); Monné, M.A., 1995a: 144 (cat.); Monné, M.A., 2005a: 22 (cat.); Monné, M. A. & Hovore, 2006: 177 (checklist);Monné, M.A., 2012: 67; Monné, M.A., Santos-Silva & Monné, M.L., 2020: 310 (syn.); Monné, M.A., Santos-Silva & Monné, M.L. 2020c: 22 (syn.)

Antrypanius; Melzer, 1927b: 580 (error).

Type-species - *Lamia conspersa* Germar, 1823 (original designation).

Nyssodrys Bates, 1864: 149.

Type-species - *Nyssodrys sedata* Bates, 1864 (Thomson subsequent designation, Thomson, 1864: 323).

Nyssodrysina Casey, 1913: 309; Dillon, 1956a: 160; Arnett, 1962: 872, 890; Monné, M.A. & Giesbert, 1992: 253 (syn.); Linsley & Chemsak, 1995: 106; Monné, M.A., 2005a: 99 (cat.); Monné, M. A. & Hovore, 2006: 191 (checklist); Monné, M.A., 2012: 72.

Type-species - *Liopus haldemani* LeConte, 1852 (original designation).

Sternidurges Gilmour, 1959a: 329.

Type-species - *Sternidurges apicalis* Gilmour, 1959 (original designation).

Nyssodrysola Gilmour, 1962c: 256.

Type-species - *Nyssodrysola stictica* Gilmour, 1962 (original designation).

Nyssocuneus Gilmour, 1960a: 55; Monné, M.A., 2005a: 98 (cat.); Monné, M.A., 2012: 71.

Type-species - *Nyssocuneus heyrovskyi* Gilmour, 1960 (original designation).

1. *Atrypanius haldemani* (LeConte, 1852)

Syntypes locality - Syntypes: United States, Alabama. (MCZN). **Distribution** - United States (Maryland to Florida, Alabama), Mexico (Sinaloa, Guanajuato, Jalisco, San Luís Potosí, Veracruz, Oaxaca, Chiapas), Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama. **Host plants** - *Anacardium excelsum* (Bert. y Balb. ex Kunth) Skeels (Anacardiaceae), *Bursera simaruba* (Linnaeus) Sargent (Burseraceae), *Celtis* sp. (Cannabaceae), *Jatropha standleyi* Steyermark (Euphorbiaceae), *Inga cocleensis* Pittier (Fabaceae), *Gustavia superba* (Kunt) O. Berg (Lecythidaceae), *Brosimum utile* (Kunth) Pittier, *Ficus aurea* Nuttall (Moraceae), *Forestiera segregata* (Jacquin) Krug & Urban (Oleaceae).

Liopus haldemani LeConte, 1852: 173; Horn, 1880a: 124.

Leiopus haldemani; White, 1855: 389.

Sternidius haldemani; Horn, 1873a: 235.

Nyssodrys haldemani; Horn, 1886c: xii (syn.); Hamilton *in* Leng & Hamilton, 1896: 133; Aurivillius, 1900: 418 (syn.); Craighead, 1923: 121, pl. 12, fig. 7.

Nyssodrysina haldemani; Casey, 1913: 309; Kirk, H. B. & Knull, 1926: 43 (distr.); Loding, 1945: 122 (distr.); Fattig, 1947: 35 (distr.); Dillon, 1956a: 161; Gilmour, 1968: 164; Turnbow & Hovore,1979: 225 (hosts); Turnbow & Franklin, 1980: 344 (distr.); Chemsak, Linsley & Noguera, 1992: 143 (cat.); MacRae, 1993: 247; Maes *et al*., 1994: 47 (distr.); Monné, M.A. & Giesbert, 1994: 257 (checklist); Monné, M.A., 1995a: 134 (cat.); Chemsak & Noguera, 1995: 68 (distr., hosts); Linsley & Chemsak, 1995: 107, fig. 16; Noguera & Chemsak, 1996: 406 (cat.); Maes, 1998: 935 (distr.); Monné, M.A., 2001b: 24 (cat. hosts); Toledo *et al*., 2002: 531 (distr.); Turnbow, Cave & Thomas, 2003: 36 (distr.); Odegaard, 2004: 86 (hosts); Monné, M.A., 2005a: 100 (cat.); Monné, M. A. & Hovore, 2006: 191 (checklist); Hovore, 2006: 377 (distr.); Audureau, 2008: 13 (distr.); Hubweber, 2008: 255 (distr.); Swift *et al*., 2010: 41 (distr.); Maes *et al.*, 2010: 623, 12 figs (distr.); Lagos & Barrios, 2014: 18 (distr.); Lanuza-Garay & Barrios, 2015: 67 (hosts); Audureau & Roguet, 2018: 73, fig. 21 (distr.); Lanuza-Garay & Barrios, 2018: 593 (hosts); Colijn *et al*., 2019 : 81 (distr.)

Atrypanius haldemani; Monné, M.A., Santos-Silva & Monné, M.L., 2020: 310; Monné, M.A., Santos-Silva & Monné, M.L. 2020c: 24 ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

Nyssodrys contempta Bates, 1864: 152; 1872: 220 (distr.); 1881a: 179; *1*885: 412; Pittier & Biolley, 1895: 29 (distr.); Lara & Shenefelt, 1964: 443.

Type locality - Holotype male: Mexico. (MNHN).

Coenopoeus Horn, 1880

Coenopoeus Horn, 1880a: 117; LeConte & Horn, 1883: 323; Bates, 1885: 385; Leng *in* Leng & Hamilton, 1896: 113; Bradley, 1930: 245; Dillon, 1956a: 156; Arnett, 1962: 872, 890; Linsley & Chemsak, 1995: 118; Monné, M.A., 1995a: 118 (cat.) ; Monné, M.A., 2005: 33 (cat.); Monné, M.A. & Hovore, 2006: 179 (checklist); Monné, M.A., 2012: 68.

Type-species - *Leptostylus palmeri* LeConte, 1873 (monotypy).

1. *Coenopeus palmeri* (LeConte, 1873)

Type locality - Holotype female: United States, Arizona. (MCZN). **Distribution** - United States (Southern Nevada, southern California to Texas), Mexico (Sinaloa, Sonora, San Luís Potosí). **Host plants** - *Opuntia arbuscula* Engelmann, *O. fulgida* Engelmann, *O. imbricata* de Candolle, *O. parryi* Engelmann, *O. parryi* var. *bernadina* (Engelmann ex Parish) Borg, *O. spinosior* Toumey, *O. versicolor* Engelmann ex Toumey (Cactaceae).

Leptostylus palmeri LeConte, 1873a: 233.

Coenopoeus palmeri; Horn, 1880a: 118, pl. 2, fig. 1; Lameere, 1883: 67 (cat.); LeConte & Horn, 1883: 323; Bates, 1885: 385 (distr.); Horn, 1889a: 162 (hosts); 1890: 252 (biol.); Leng *in* Leng & Hamilton, 1896: 115; Fall, 1901: 150 (distr.); Schaeffer, 1908a: 330 (distr.); Hunter, Pratt & Mitchell, 1912: 43 (biol.); Garnett, 1918: 282 (distr.); Linsley, 1934a: 62 (distr.); Dodd, 1940: 41 (biol.); Craighead, 1950: 242 (biol.); Dillon, 1956a: 157, pl. 1, figs. 8, 9; Papp, 1959: 91; Linsley, Knull & Statham, 1961: 29; Mann, 1969: 88 (biol.); Raske, 1972: 121, 8 figs. (larva, biol.); MacKay, Zak & Hovore, 1987: 366 (biol.); Chemsak, Linsley & Noguera, 1992: 135 (cat.); Monné, M.A., & Giesbert, 1994: 243 (checklist); Monné, M.A., 1995a: 151 (cat.); Linsley & Chemsak, 1995: 119, fig. 19; Noguera & Chemsak, 1996: 406 (cat.); Linsley & Chemsak, 1997: 356 (hosts); Monné, M.A., 2001: 9 (cat. hosts); Monné, M.A., 2005: 33 (cat.); Monné, M.A. & Hovore, 2006: 179 (checklist); Noguera *et al.*, 2009: 89 (distr Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483 .); Haack, 2017: 111(hosts); Monné,M.A., Santos-Silva & Monné, M.L 2020: 313, fig. 19;

Dectes LeConte, 1852

Dectes LeConte, 1852: 144; Thomson, 1860: 128; 1864: 26; 1865: 355; Lacordaire, 1872: 774; LeConte, 1873b: 339; Horn, 1880a: 119,126; Bates, 1881a: 173; LeConte & Horn, 1883: 324; Bates, 1885: 408; Leng & Hamilton, 1896: 126; Blatchley, 1910: 1075; Casey, 1913: 341; Bradley, 1930: 246; Knull, 1946: 244, 251; Dillon, 1956c: 352; Dillon & Dillon, 1961: 645; Arnett, 1962: 873, 891; Bayer & Shenefelt, 1968: 27; Rice & Enns, 1981: 99; Linsley &

Chemsak, 1995: 26; Monné, M.A., 1995a: 36 (cat.) ; Monné, M.A., 2005: 36 (cat.); Monné, M.A. & Hovore, 2006: 179 (checklist); Monné, M.A., 2012: 68; Bousquet, Laplante, Hammond & Langor, 2017: 160 (key spp)

Dectes (Dectes); Aurivillius, 1923: 410 (cat.).

Type-species - *Lamia spinosa* Say, 1826 (monotypy) [= *Dectes sayi* Dillon & Dillon, 1953].

1. *Dectes sayi* Dillon & Dillon, 1953

Syntypes locality - Syntypes: United States. (depository unknown). **Distribution** - Canada: Richelieu River area in southern Quebec, the Great Lakes area in southern Ontario, and the Red River area in southeastern Manitoba. United States: Northeastern United States to Kentucky westward to Kansas and North Dakota. **Host plants** - *Ambrosia artemisiifolia* Linnaeus, *Eupatorium purpureum* Linnaeus, *Helianthus annuus* Linnaeus, *H. maximilianus* Schrader. *Xanthium pennsylvanicum* Walroth (Asteraceae), *Desmodium elegans* Bentham, *Glycine max* (Linnaeus) Merrill (Fabaceae).

Lamia spinosa Say, 1826: 271; LeConte, 1859b: 330;

Dectes spinosa; LeConte, 1852: 144; Bland, 1861: 99 (distr., hosts); Chevrolat, 1861: 187; Thomson, 1864: 27; LeConte, 1876: 520 (distr.); Popenoe, 1877: 34 (distr.); Snow, 1877: 19 (distr.); Packard, 1877: 804, pl. 70, fig. 8; Westcott, 1879: 140 (hosts); Horn, 1880a: 126; Bates, 1881a: 173; Lugger, 1884: 204 (hosts); Hamilton, 1885: 37 (biol.); 1895a: 339; Horn, 1895: 228; Beutenmuller, 1896: 79 (hosts); Leng & Hamilton, 1896: 126; Smith, 1900: 294 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 27 (distr.); Townsend, 1903: 78 (distr.); Fall & Cockerell, 1907: 194 (distr.); Schaeffer, 1908a: 328 (distr.); Wickham, 1909a: 29 (distr.); Smith,_1910: 334; Blatchley, 1910: 1075; Fisher & Kirk, 1912: 314 (distr.); Casey, 1913: 342; Chagnon, 1917: 236 (distr.); Garnett, 1918: 282 (distr., hosts); Nicolay, 1919: 70 (distr.); Britton, 1920: 271 (distr.); Balduf, 1923: 171; Craighead, 1923: 114, pls (larva); Kirk & Knull, 1926: 44; Leonard, 1928: 454 (distr.); Ware, 1929: 368 (distr.); Kelly, 1931: 163; Linsley & Martin, 1933: 182 (distr.); Linsley, 1935a: 74 (distr.); Walker, 1936: 22 (hosts); Brimley, 1938: 218 (distr.); Linsley, 1942: 74; Loding, 1945: 123 (distr.); Knull, 1946: 251, pl. 20, fig. 79; Fattig, 1947: 38 (distr.); Alexander, 1958: 45; Papp, 1959: 92; Kirk, 1970: 83; Laliberté, Chantal & LaRochelle, 1977: 92 (biol.); Dailey, Graves & Kingsolver. 1978: 226

Dectes sayi Dillon & Dillon, 1953: 260 (*nomen nov.*); Dillon, 1956c: 352; Dillon & Dillon, 1961: 643, pl. 54; Bayer & Shenefelt, 1969: 28 (distr.); Harris & Piper, 1970: 128; Kirk & Balsbaugh, 1975: 100; Gosling & Gosling, 1976: 27 (distr.); Headstrom. 1977: 379; Rice & Enns, 1981: 99 (distr.); Charlet, 1983: 1287 (hosts); Rice, 1988: 14; Chemsak, Linsley & Noguera, 1992: 135 (cat.); MacRae, 1993: 246 (distr.); Monné, M.A., & Giesbert, 1994: 243 (checklist); Monné, M.A., 1995a: 36 (cat,); Linsley & Chemsak, 1995: 28; Yanega, 1996: 134, pl. 29, fig. 328; Linsley & Chemsak, 1997: 363 (hosts); Vlasák& Vlasakova, 2002: 215 (distr.); Williams, 2005: 103 (hosts); Monné, M.A. & Hovore, 2006: 179 (checklist); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 160, pl. 37; Monné, M.A., Santos-Silva & Monné, , M.L., 2020: 9

2. *Dectes texanus* LeConte, 1862

Type locality - Holotype: United States, Texas. (MCZN). **Distribution** – Canada (Alberta) , Eastern United States to Montana and Arizona to Mexico (Baja California, Chihuahua, Coahuila, Distrito Federal, Durango, Jalisco, Michoacán, Guerrero, Nayarit, San Luís Potosí, Sinaloa, Sonora, Tamaulipas, Zacatecas, Nuevo León). **Host plants** - *Ambrosia artemisiifolia* Linnaeus, *A. trifida* Linnaeus, *Baccharis* sp., *Baileya pleniradiata* Harvey & Gray ex A. Gray, *Gaillardia* sp., *Haplopappus* sp., *Helenium* sp., *Helianthus annuus* Linnaeus, *Heterotheca lamarckii* Cassini, *Hymenoclea monogyra* Torrey & Gray, *Parthenium* sp., *Solidago canadensis canescens* Gray, *Verbesina encelioides* (Cavanilles) Bentham & Hooker, *Xanthium pennsylvanicum* Wallroth, *Zaluzania* sp. (Asteraceae), *Lepidium* sp. (Cruciferae), *Cucurbita foetidissima* Kunth (Cucurbitaceae), *Glycine max* (Linnaeus) Merrill (Fabaceae), *Abutilon* sp., *Anoda lavaterioides* Medikus, *Gossypium thurberi* Todaro, *Sphaeralcea ambigua* A. Gray (Malvaceae), *Physalis* sp., *Solanum*

obtusifolium Humboldt & Bonpland ex Dunal (Solanaceae), *Kallstroemia grandiflora* Torrey & A. Gray (Zygophyllaceae).

Dectes texanus LeConte, 1862: 39; Casey, 1913: 343; Dillon & Dillon, 1961: 646, pl. 64, No. 11; Linsley, Knull & Statham, 1961: 30, fig. 24; Hatchett, Jackson & Barry, 1973: 519, fig. 1 (biol.); Philips, Randolph & Teetes, 1973: 1 (biol.); Hatchett *et al*.,1975: 209, 7 figs. (larva, pupa, biol.);Gosling & Gosling, 1976: 27, fig. 150 (biol.); Rogers, 1977b: 833, fig. 7 (biol.); Hilgendorf & Goeden, 1981: 103; Genung & Green, 1983: 207; Rogers, 1985: 1175 (biol.); Chemsak, Linsley & Noguera, 1992: 135 (cat.); Monné, M.A., & Giesbert, 1994: 244 (checklist); Monné, M.A., 1995a: 36 (cat.); Linsley & Chemsak, 1995: 29, fig. 5; 1997: 363 (hosts); Heffern, 1998: 21 (distr.); Monné, M.A., 2001: 9 (cat. hosts);Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.); Crook, *et al*., 2004: 600 (biol.); Monné, M. A., 2005: 36 (cat.); Monné, M.A. & Hovore, 2006: 179 (checklist); Niide, Bowling & Pendleton, 2006: 48 (biol.); Michaud, Qureshi & Grant, 2007: 903 (biol.); Michaud & Grant, 2009: 518 (biol.); Michaud *et al*., 2009: 1044 (biol.); Tindall *et al.*, 2010: 1; Gutiérrez & Noguera, 2015: 145 (distr.); García Morales *et al*., 2015: 107 (distr.); Luna-León, 2015: 838 (distr.); Tindall *et al.*, 2016: 1 (distr.); Wang, 2017: fig. 12.84 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 161; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

Dectes (Dectes) spinosus var. *texanus*; Aurivillius, 1923: 411 (cat.).

Dectes texanus texanus; Dillon, 1956c: 353; Wray, 1967: 47 (distr.); Patrick, 1971: 254 (biol.); Patrick & White, 1972: 264 (biol.); Patrick, 1973: 277 (biol.); 1974: 17 (biol.); Campbell & Van Duyn, 1977: 256 (control); Rice & Enns, 1981: 99 (distr., hosts); MacRae, 1993: 246 (distr.).

Dectes spinosus var. *texanus*; Alexander, 1958: 46.

Dectes alticola Casey, 1913: 342; Lingafelter *et al*., 2014: 13, figs. 13g, h (lect. designation).

Dectes (Dectes) spinosus var. *alticola*; Aurivillius, 1923: 411 (cat.).

Dectes texanus alticola; Dillon, 1956c: 354; Chemsak, Linsley & Noguera, 1992: 136 (cat.); Noguera & Chemsak, 1996: 406 (cat.).

Dectes spinosus var. *alticola*; Alexander, 1958: 46.

Type locality - Lectotype: United States. Colorado. (USNM).

Dectes brevis Casey, 1913: 342; Leonard, 1928: 454 (distr.); Brimley, 1938: 218 (distr.); Lingafelter *et al*., 2014: 33, figs. 34a, b (lect. designation).

Type locality - Lectotype: United States, Long Island: Willets Point. (USNM).

Dectes latitarsis Casey, 1913: 342; Vogt, 1949: 182 (distr.); Lingafelter *et al*., 2014: 87, figs. 95w, x (holotype).

Type locality - Holotype male: United States, Texas: Brownsville. (USNM).

Dectes thoracicus Casey, 1913: 342; Lingafelter *et al*., 2014: 333, figs. 170u, v (holotype).

Dectes (Dectes) thoracicus; Aurivillius, 1923: 411 (cat.).

Dectes texanus thoracicus; Dillon, 1956c: 355; Chemsak, Linsley & Noguera, 1992: 136 (cat.); Noguera & Chemsak, 1996: 406 (cat.).

Type locality - Holotype female: United States, Arizona. (USNM).

Dectes brevisetosus Casey, 1913: 343; Lingafelter *et al*., 2014: 33, figs. 34e, f (lect. designation).

Type locality - Lectotype male: United States, Arizona. (USNM).

Dectes discolor Casey, 1913: 343; Lingafelter *et al*., 2014: 54, figs. 57i, j (holotype).

Type locality - United States, Arizona. (USNM).

Dectes aridus Casey, 1913: 343; Lingafelter *et al*., 2014: 19, figs. 19o, p (lect. designation).

Dectes (Dectes) aridus; Aurivillius, 1923: 410 (cat.).

Dectes texanus aridus; Dillon, 1956c: 355; Hovore, Penrose & Neck, 1987: 319 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 136 (cat.); Noguera & Chemsak, 1996: 406 (cat.); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.).

Type locality - Lectotype: Mexico, Durango: Durango, Tepehuanes (USNM).

Dectes texanus murinus Dillon, 1956c: 355; Hovore, 1988: 24 (distr.); Chemsak, Linsley & Noguera, 1992: 136 (cat.); Noguera & Chemsak, 1996: 406 (cat.).

Type locality - Holotype female: Mexico, Baja California: Los Animas (Sierra Laguna). (CASC).

Eutrichillus Bates, 1885

Eutrichillus Bates, 1885: 397; Dillon, 1956b: 221; Arnett, 1962: 873; Monné, M.A., 1995a: 34 (cat.) ; Linsley & Chemsak, 1995: 20; Monné, M.A., 2005: 39 (cat.); Monné, M.A. & Hovore, 2006: 180 (checklist); Monné, M.A., 2012: 69.

Type-species - *Eleothinus comus* Bates, 1881 (monotypy).

Ceratographis Gahan, 1888b: 300; Leng & Hamilton, 1896: 130, 131; Wickham, 1897a: 203; Blatchley, 1910: 1070, 1079; Bradley, 1930: 246; Knull, 1946: 244, 255; Dillon, 1956b: 224; Arnett, 1962: 873, 891.

Type-species - *Liopus biguttatus* LeConte, 1852 (original designation).

Lepturgoides Schaeffer, 1905: 166; Bradley, 1930: 246.

Type-species - *Lepturgoides pini* Schaeffer, 1905 (original designation).

1. *Eutrichillus biguttatus* (LeConte, 1852)

Syntypes locality - Syntypes: United States, New York (MCZN). **Distribution** – United States (central Wisconsin, south to Mississippi and northern Florida). Canada (Quebec, north to the Abitibi region) **Host plants** . *Pinus virginiana* (Pinaceae)

Liopus biguttatus LeConte, 1852: 172; Bland, 1861: 98 (distr.)

Leiopus biguttatus; Melsheimer, 1853: 108; White, 1855: 388

Ceratographis biguttata; Gahan, 1888: 300; Leng & Hamilton, 1896: 131; Wickham, 1898a: 39; Blatchley, 1910: 1079 (distr.); Nicolay, 1919: 71 (distr.); Kirk & Knull, 1926: 44; Leonard, 1928: 453 (distr.); Cooper, 1935: 152 (distr.); Loding, 1945: 123 (distr.); Knull, 1946: 255, pl. 24, fig. 97; Fattig, 1947: 37 (distr.); Dillon, 1956b: 225, pl. 1, fig. 1; Wray, 1967: 47 (distr.); Bayer & Shenefelt, 1969: 28, fig. 35; Turnbow & Franklin, 1980: 245 (distr.); Lewis, 1986: 171 (syn.); Chemsak, Linsley & Noguera, 1992: 135 (cat.); MacRae, 1993: 244 (distr.); Monné, M.A., 1995a: 5 (cat.) ;

Eutrichillus biguttatus Monné, M.A., & Giesbert. 1994: 245 (cat.); Linsley & Chemsak 1995: 21; Yanega, 1996: 135, pl. 28, fig. 312; Linsley & Chemsak, 1997: 377 (hosts); Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 125 (distr.); Androw & Keeney, 1999: 5 (distr.); Vlasák & Vlasakova, 2002: 215 (distr.); Monné, M.A. & Hovore, 2006: 180 (checklist); Holt, 2013: 251 (distr.); Klingeman *et al*. 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 160, pl. 38; Vlasak & Vlasakova, 2021: 21

Leiopus crinicornis Casey, 1924: 291; Leng & Mutchler, 1927: 43 (cat.); Lingafelter *et al*., 2014: 48, fig. 50 m, (holotype)

Type locality- Holotype male: United States, Virginia: Nelson County (USNM)

2. *Eutrichillus canescens* Dillon, 1956

Type locality - Holotype female: United States, New Mexico: Mescalero Reservation (CUIC). **Distribution** - Southeastern California and southern Nevada to western Texas. **Host plants** - *Pinus cembroides* Zuccarini. *P. monophylla* Torrey & Frémont (Pinaceae).

Eutrichillus canescens canescens Dillon, 1956b: 223

Eutrichillus canescens Gilmour, 1965: 570 (cat.); Lewis, 1979: 25 (distr., hosts); Chemsak, Linsley & Noguera. 1992: 136 (cat.); Monné, M.A., & Giesbert, 1994: 245 (checklist); Monné, M.A., 1995a: 34 (cat.); Linsley & Chemsak, 1995: 24 (syn.); 1997: 377 (hosts); Monné, M.A., 1995a: 34 (cat.); Monné, M.A. & Hovore, 2006: 180 (checklist); MacRae & Rice, 2007: 251 (distr., hosts)

Eutrichillus canescens nelsoni Dillon, 1956b: 223; Linsley, Knull & Statham, 1961: 29 (distr.); Chemsak, 1977a: 175 (types)

Type material - Holotype male: United States, Arizona: Prescott. (FMNH)

3. *Eutrichillus neomexicanus* (Champlain & Knull, 1925)

Type locality - Holotype female: United States, New Mexico: Jemez Springs. (FMNH). **Distribution** - United States (Western Arizona to western Texas, Utah), Mexico (Durango). **Host plants** - *Pinus). leiophylla chihuahuana* (Engelmann) A.E. Murray (Pinaceae).

Lepturges neomexicanus Champlain & Knull, 1925: 470; Chemsak, 1977a: 176 (type).

Eutrichillus neomexicanus; Dillon, 1956b: 224; Linsley, Knull & Statham, 1961: 29 (distr.); Lewis, 1979: 25; Cope, 1984: 29 (hosts); Chemsak, Linsley & Noguera, 1992: 136 (cat.); Monné, M.A., & Giesbert, 1994: 245 (checklist); Linsley & Chemsak, 1995: 22, fig. 4; Monné, M.A., 1995a: 35 (cat.); Noguera & Chemsak, 1996: 406 (cat.); Linsley & Chemsak, 1997: 377 (hosts); Monné, M.A., 2001: 11 (cat. hosts); Monné, M.A., 2005: 40 (cat.); Monné, M.A. & Hovore, 2006: 180 (checklist); Galileo, Bezark & Santos-Silva, 2016: 15 (distr.); Vargas-Cardoso *et al*., 2018: 96 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

4. *Eutrichillus pini* (Schaeffer, 1905)

Syntypes locality - Syntypes male and female: United States, Arizona: Huachuca Mountains (Carr's Peak). (USNM). **Distribution** - United States (Colorado, Arizona, New Mexico), Mexico (Durango). **Host plants** - *Pinus edulis* Engelhorn, *P. ponderosa* Douglas ex Lawson & P. Lawson (Pinaceae).

Lepturgoides pini Schaeffer, 1905: 155; 1908a: 331 (distr.); Fall & Cockerell, 1907: 194 (distr.); Lingafelter *et al*., 2014: 300, figs. 132u, v (holotype).

Eutrichillus pini; Dillon, 1956b: 222; Linsley, Knull & Statham, 1961: 29 (distr.); Chemsak, Linsley & Noguera, 1992: 136 (cat.); Monné, M.A., & Giesbert, 1994: 245 (checklist); Linsley & Chemsak, 1995: 25; Monné, M.A., 1995a: 35 (cat.); Noguera & Chemsak, 1996: 406 (cat.); Linsley & Chemsak, 1997: 377 (hosts); Heffern, 1998: 21 (distr.); Monné, M.A., 2001: 11 (cat. hosts); Monné, M.A., 2005: 40 (cat.); Monné, M.A. & Hovore, 2006: 180 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

Glaucotes Casey, 1913

Glaucotes Casey, 1913: 305; Bradley, 1930: 246; Dillon, 1956: 155; Arnett. 1962: 871, 890; Noguera, 1993: 55; Monné, M.A., 1995a: 35 (cat.) ; Linsley & Chemsak, 1995: 8; Monné, M.A. & Hovore, 2006: 181 (checklist);

Type-species - *Leptostylus yuccivorus* Fall, 1907 (original designation).

1. *Glaucotes yuccivorus* (Fall, 1907)

Syntypes locality - Syntypes male and female: United States, Arizona: San Bernardino Ranch. (SEMK). **Distribution** - United States (Arizona), Mexico (Sonora). **Host plants** - *Yucca* sp. (Agavaceae).

Leptostylus yuccivorus Fall, 1907: 83

Leptostylus yuccavorous; Schaeffer, 1908a: 330 (error).

Glaucotes yuccavorus; Casey, 1913: 305; Turnbow & Franklin, 1980: 347 (error).

Glaucotes yuccivorus; Aurivillius, 1923: 298 (cat.); Fattig, 1947: 33 (distr.); Dillon, 1956a: 156, pl. 1, fig. 6; Linsley, Knull & Statham, 1961: 27 (distr.); Lewis, 1979: 24 (distr.); Chemsak, Linsley & Noguera, 1992: 136 (cat.); Monné, M.A., & Giesbert, 1994: 245 (checklist); Monné, M.A., 1995a: 35 (cat.); Linsley & Chemsak, 1995: 9, fig. 2; 1997: 378 (hosts); Monné, M.A. & Hovore, 2006: 181 (checklist); Bezark, 2013: 47, fig. 15 (distr.)Monné, M.A., Santos-Silva & Monné, M.L. 2020: 10, fig. 12; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

Graphisurus Kirby, 1837

Graphisurus Kirby, 1837: 169; Chevrolat *in* D'Orbigny, 1845: 304; LeConte, 1852: 174; Lacordaire, 1872: 786 (*partim*); LeConte, 1873b: 339; Provancher, 1877: 629; LeConte & Horn, 1883: 324; Leng & Hamilton, 1896: 130; Wickham, 1897a: 203; 1898a: 38; Blatchley, 1910: 1069, 1078; Bradley, 1930: 246; Chagnon, 1938: 271, 274; Dillon, 1956a: 163; Dillon & Dillon, 1961: 639; Arnett, 1962: 872, 890; Chagnon & Robert, 1962: 271, 274; Monné, M.A., 1995a: 17 (cat.) ; Bousquet, 2007: 619 (syn.); Monné, M.A., 2012: 69; Bousquet, Laplante, Hammond & Langor, 2017: 159 (key spp)

Type-species - *Cerambyx fasciatus* Degeer, 1775 (original designation).

Urographis Horn, 1880a: 128, 132; LeConte & Horn, 1883: 324; Casey, 1913: 331; Knull, 1946: 256; Linsley & Chemsak, 1995: 11.

Type-species - *Cerambyx fasciatus* Degeer, 1775 (subsequent designation, Linsley & Chemsak, 1995: 11).

1. *Graphisurus despectus* (LeConte, 1850)

Syntypes locality - Syntypes male and female: United States, Lake Superior (MCZN). **Distribution** - Eastern North America to Minnesota. Canada: southern Quebec, north to the Montreal area, and in southern Ontario. **Host plants** – *Carya glabra* (Miller) Sweet (Juglandaceae).

Aedilis despectus LeConte, 1850: 234

Graphisurus despectus; Dillon, 1956a: 165 (syn.); Gosling & Gosling, 1976: 25 (distr.); Turnbow & Franklin, 1980: 345; Rice & Enns, 1981: 101 (distr., hosts); Gosling, 1984: 71 (hosts); Chemsak, Linsley & Noguera, 1992: 137 (cat.); MacRae, 1993: 244 (distr.); Monné, M.A., 1995a: 17 (cat.); Monné, M.A., & Giesbert, 1994: 246 (checklist); Monné, M.A., 1995a: 17(cat.); Linsley & Chemsak. 1995: 12; 1997: 381 (hosts); Yanega, 1996: 138, pol. 28, figs 317 , 317 b; Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 126 (distr.); Vlasák & Vlasakova, 2002: 215 (distr., hosts); Sikes & Webster, 2005: 321 (distr.); Monné, M.A., & Hovore, 2006: 201 (cat.); Bousquet, 2008: 620; Guarnieri, 2010: 21 (distr.); Holt, 2013; 251 (distr.); Steury & MacRae, 2014: 11 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 160, pl. 39; Klingeman *et al*., 2017: 298 (distr.)

Urographis despectus; Monné, M.A. & Hovore, 2006: 201 (checklist);

Urographis hebes Casey, 1913: 333; Craighead, 1923: 121; Kirk & Knull, 1926: 44 (distr.); Leonard, 1928: 453 (distr.); Knull, 1946: 257, pl. 24, fig. 104; Fattig, 1947: 38 (distr.); Lingafelter *et al*., 2014: 74, fig. 80 e (lectotype); Maier, 2020: 81 (hosts)

Type locality - Lectotype female: United States, Iowa; Keokuk. (USNM).

2. *Graphisurus fasciatus* (Degeer. 1775)

Type locality - Type: United States, Pennsylvania. (NHRS). **Distribution** - Eastern North America, west to Kansas and Texas. In Canada, it occurs from the Nova Scotia peninsula to the Sault Ste. Marie area in Ontario, north to the Gaspe area in Quebec. **Host plants** - *Acer rubrum* Linnaeus, *A. saccharinum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Rhus radicans* Linnaeus (Anacardiaceae), *Carpinus caroliniana* Walter (Corylaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Castanea dentata* (Marshall) Borkhausen, *Fagus ferrugínea* Aiton, *Quercus alba* Linnaeus, *Q. prinus* Linnaeus, *Q. rubra* Linnaeus, *Q. velutina* Lamarck (Fagaceae), *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Carya glabra* (Miller) Sweet, *C. ovata* (Miller) K. Koch, *Juglans nigra* Linnaeus (Juglandaceae), *Magnolia grandiflora* Linnaeus (Magnoliaceae), , *Tilia americana* Linnaeus (Malvaceae), *Pinus contorta* Douglas ex Laudon (Pinaceae).

Cerambyx fasciatus Degeer, 1775: 114, pl. 14, fig. 7; Goeze, 1777: 475; 1781: 297, pl. 14, fig. 7;

Acanthocinus (Graphisurus) fasciatus; Kirby, 1837: 169

Graphisurus fasciatus; LeConte, 1852: 175; Melsheimer, 1853: 107; Fitch, 1859: 794 (biol.); Bland, 1861: 97 (distr., hosts); Bates, 1864: 14; Lacordaire, 1872: 787; Popenoe, 1877: 34 (distr.); Provancher, 1877: 630; Horn, 1880a: 128; Riley, 1880a: 271 (hosts); Packard, 1881: 22 (biol.); Gahan, 1888b: 300; Packard, 1890: 71, fig. 22 (biol.); Leng & Hamilton, 1896: 131; Wickham, 1898a: 39, fig. 3; Harrington, 1899a: 67; Stevenson, 1905: 91 (biol.); Chagnon, 1905b: 35 (distr.); Blatchley, 1910: 1079, fig. 466; Smith, 1910: 334; Fisher & Kirk, 1912: 315 (distr.); Dozier, 1918: 335 (distr.); Blackman, 1919: 85 (biol.); Nicolay, 1919: 71 (distr,); Dozier, 1920: 367 (distr.); Felt, 1923: 88 (biol.); Craighead, 1923: 121, figs (larva); Leonard, 1928: 453 (distr.); Pechuman, 1937: 12 (biol.); Chagnon, 1938: 274, pl. 18, fig. 10; Savely, 1939: 340 (biol.); Hoffmann, 1942: 11; Townes, 1944: 773 (paras.); Loding, 1945: 123 (distr.); Dillon, 1956a: 164 (syn.); Dillon & Dillon, 1961: 639, pl. 54; Chagnon & Robert, 1962: 274, pl. 18, fig. 10; Gardiner, 1966: 204, fig. 31 (biol.); Wray, 1967: 47 (distr.); Gardiner, 1969: 87; Bayer & Shenefelt, 1969: 28, fig. 36; Gardiner, 1970: 113, figs 1-4; Perry,

1975: 59 (hosts); Gosling & Gosling, 1976: 25 (distr.); Laliberté, Chantal & LaRochelle, 1977: 93 (biol); Headstrom, 1977: 377; Cote & Allen, 1980: 411 (paras.); Turnbow & Franklin, 1980: 345 (distr;); Rice & Enns, 1981: 101 (hosts); Haack & Haack, 1983: 48 (hosts); Waters & Hyche, 1984: 285 (distr.); Gosling, 1984: 71 (hosts); 1986: 156 (hosts); Chemsak, Linsley & Noguera, 1992: 137 (cat.); MacRae, 1993: 244 (distr.); Monné, M.A., & Giesbert, 1994: 246 (checklist); Monné, M.A., 1995a: 17 (cat.); Bousquet, 2008: 620; Webster, McCorquodale & Majka, 2008: 300 (distr.); Guarnieri, 2009: 19 (distr.); Holt, 2013: 251 (distr., hosts); Steury & MacRae, 2014: 11 (distr.); Webster, 2016: 488 (distr.); Haack, Keena & Eyre, 2017: 81 (biol.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 160, pl. 39

Acanthocinus fasciatus; White, 1855: 370; Alexander, 1958: 44 (distr.);

Urographis fasciata; Lameere, 1883: 86 (cat.); Hamilton, 1885: 87 (biol.); Harrington, 1887: 30 (hosts); Saunders, 1887: 29 (distr.); Packard, 1890: 354; Caulfield, 1890: 58 (hosts); Hausen, 1891: 157; Hamilton, 1893b: 275 (distr.); 1893a: 326 (distr;); 1895a: 339 (distr.); Knobel, 1895: 34, fig. 115; Beutenmuller, 1896: 79 (hosts); Wickham. 1897b: 159 (distr.); Smith, 1900: 295 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 27 (distr.); Melander, 1904: 20 (hosts); Hopkins, 1904: 38 (biol.); Fyles, 1905: 92 (biol.); Morris, 1908: 447 (biol.); Leng, 1910: 78 (distr.); Casey, 1913: 333; Morris, 1916b: 199 (distr.); Chagnon, 1917: 236 (distr.); Robinson, 1918: 33 (hosts); Morris, 1919: 52 (distr.); Blackman & Stage, 1924: 119; Mundinger, 1924: 120; Hatch, 1925: 581 (distr.); Kirk & Knull, 1926: 44; Brues, 1927: 77; Beaulne, 1932: 220 (hosts); Herrick, 1935: 221 (biol.); Brimley, 1938: 218 (distr.); Knull, 1946: 156; Fattig, 1947: 37 (distr.); Beal, Haliburton & Knight, 1952; 111 (biol.); Papp, 1955: 19 (distr.); Linsley & Chemsak, 1995: 13; Monné, M.A., & Giesbert, 1995: 2276 (checklist); Monné, M.A., 1995a: 35 (cat.); Yanega, 1996: 138, pl. 28, figs 316 a,b; Krinsky & Godwin, 1996: 239; Linsley & Chemsak, 1997: 450 (hosts); Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 126 (distr.); Vlasák & Vlasakova, 2002: 215 (distr., hosts); Monné, M.A. & Hovore, 2006: 201 (checklist);MacRae & Rice, 2007: 257 (distr., hosts)

Cerambyx (Stenocorus) pensylvanicus Gmelin, 1790: 1863

Type locality - Holotype: United States, Pennsylvania (NHRS

Lamia mixta Fabricius. 1798; 144; 1801: 290; Schoenherr, 1817: 382; LeConte, 1852: 176

Syntypes locality - Syntypes: America Boreali. (ZMUC)

Lamia obscura Fabricius, 1798: 144; 1801: 290; Schoenherr, 1817: 382; LeConte, 1852: 176

Syntypes - Holotype male: America Boreali (ZMUC)

Urographis fasciata reducta Casey, 1913: 333; Leonard, 1928: 453; Lingafelter *et al*., 2014: 60, fig; 63 w (lectotype)

Type locality - Lectotype: United States, New York: West Point. (USNM)

3. *Graphisurus triangulifer* (Haldeman, 1847)

Syntypes locality - Syntypes: United States, Alabama (MCZN). **Distribution** - East-central United States to Kansas, Texas and Alabama. **Host plants** – *Acer ngundo* (Aceraceae), *Celtis berlandieri* Klotzsch (Cannabaceae). *Hamamelis virginiana* Linnaeus (Hamamelidaceae),

Acanthoderes triangulifer Haldeman, 1847a: 45;

Graphisurus triangulifer; LeConte, 1852: 174; Melsheimer, 1853: 10 (cat.); Lacordaire, 1872: 787; Provancher, 1877: 629; Gahan, 1888b: 300; Riley *in* Packard, 1890: 610 (biol.); Leng & Hamilton, 1896: 130 (hosts); Wickham, 1898a: 39; Blatchley, 1910: 1079; Craighead, 1923: 121 (larva); Leonard, 1928: 453 (distr.);. Loding, 1945: 123 (distr.); Procter, 1946: 183 (distr.); Dillon, 1956a: 163; Kirk, 1970: 63; Turnbow & Franklin, 1980: 345 (distr.); Rice & Enns, 1981: 102 (distr., hosts); Arnett, 1985: 371; Hovore, Penrose & Neck, 1987: 316, fig. 17; Chemsak, Linsley & Noguera, 1992: 137 (cat.); Lingafelter & Horner, 1993: 184 (distr.); MacRae, 1993: 244 (distr,); Monné, M.A., & Giesbert, 1994: 276 (checklist); Monné, M.A., 1995a: 18 (cat.); Linsley & Chemsak, 1997: 381 (hosts); Bousquet, 2008: 620; Holt, 2013: 251 (distr.); Klingeman *et al*., 2017: 298 (distr.)

Urographis triangulifer; Riley, 1880a: 271 (hosts); Horn, 1880a: 128; Lameere, 1883: 66 (cat.); Beutenmuller, 1896: 79 (hosts); Dury, 1902: 163 (distr.); Casey, 1913: 334; Kirk & Knull,

1926: 44 (distr.); Herrick, 1935: 107 (biol.); Knull, 1946: 157; Fattig, 1947: 38 (distr.); Linsley & Chemsak, 1995: 16 (syn.); Yanega, 1996: 138, pl. 28, fig. 315; Linsley & Chemsak, 1997: 450 (hosts); Schiefer, 1998b: 126 (distr.); Morris, 2002: 213 (hosts); Monné, M.A. & Hovore, 2006: 201 (checklist);

Urographis texana Casey, 1924: 292; Lingafelter *et al*., 2014: 332, fig; 169 q (holotype)

Graphisurus texanus; Chemsak, Linsley & Noguera, 1992: 137 (cat.)

Type locality - Holotype female: United States, Texas: Comal (USNM)

Hyperplatys Haldeman, 1847

Hyperplatys Haldeman, 1847a: 49; Thomson, 1864: 26; 1865: 354; Lacordaire, 1872: 776; LeConte, 1873b: 338; Horn, 1880a: 127; LeConte & Horn, 1883: 324; Casey, 1891: 50 (key spp.); Leng & Hamilton, 1896: 129; Wickham, 1897a: 203; 1898a: 38; Blatchley, 1910: 1069, 1077; Casey, 1913: 323; Bradley, 1930: 246; Chagnon, 1938: 273; Knull, 1946: 244, 254; Dillon, 1956c: 346; Dillon & Dillon, 1961: 644; Arnett, 1962: 872, 891; Chagnon & Robert, 1962: 271, 273; Bayer & Shenefelt, 1969: 27; Hatch, 1971: 150; Monné, M.A., 1995a: 67 (cat.) ; Linsley & Chemsak, 1995: 69; Monné, M.A., 2005: 46 (cat.); Monné, M.A. & Hovore, 2006: 181 (checklist); Monné, M.A., 2012: 69.

Type-species - *Hyperplatys maculata* Haldeman, 1847 (subsequent designation, Thomson, 1864: 26).

1. *Hyperplatys aspersus* (Say, 1824)

Syntypes locality - Syntypes: United States, Pennsylvania: Harrowgate, neae Philadelphia. Missouri. Mississippi (depository unknown). **Distribution** - Eastern North America to Arizona, north-central Texas, northern Mississippi, central Alabama to Utah. In Canada ranges from western Newfoundland to the Skeena River area in western British Columbia, north to the Fort McMurray area in northern Alberta. **Host plants** - *Acer grandidentatum* Nuttall (Aceraceae), *Rhus glabra* Linnaeus (Anacardiaceae), *Euonymus alatus* (Thunb.) Siebold (Celastraceae), *Cornus florida* Linnaeus (Cornaceae), *Robinia psudoacacia* Linnaeus (Fabaceae), *Castanea dentata* (Marshall) Borkhausen (Fagaceeae), *Hamamelis virginiana* Linnaeus (Hamamelidaceae), *Lindera benzoin* (Linnaeus) Blume (Lauraceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Tilia americana* Linnaeus (Malvaceae), *Fraxinus americana* Linnaeus, *F. pennsylvanica* Marshall (Oleaceae), *Amelancher ainifolia* Nuttall, *A. canadensis* Medikus, *Prunus americana* Marshall, *P. melanocarpa* Rydberg, *P. pensylvanica* Linnaeus fils (Rosaceae), *Ulmus pumila* Linnaeus (Ulmaceae).

Lamia aspersa Say, 1824: 330; LeConte, 1859b: 187

Hyperplatys aspersa; Haldeman, 1847a: 49; Melsheimer, 1853: 108; Lacordaire, 1872: 776; Horn, 1880a: 127; Riley, 1880a: 271 (hosts); Packard, 1881: 115 (biol.); Harrington, 1884b: 49 (hosts); 1884c: 102 (distr.); Townsend, 1889: 233; Gillette, 1890: 494, fig. 3 (hosts); Packard, 1890: 354 (biol.); Hopkins, 1893: 197 (biol.); Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 129 (syn.); Beutenmuller, 1896: 79 (hosts); Wickham, 1897b: 159 (distr.); 1898a: 38; Smith, 1900: 295 (distr.); Knaus, 1901: 112 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 27 (disr.); Chagnon, 1905b: 35 (distr.); Wickham, 1909a: 29 (distr.); Smith, 1910: 334; Blatchley, 1910: 1078; Fisher & Kirk, 1912: 315 (distr.); Casey, 1913: 329; Chagnon, 1917: 236 (distr.); Nicolay, 1917: 95 (distr.); Britton, 1920: 271 (distr.); Morris, 1920a: 75 (distr.); Craighead, 1923: 117 (larva); Blackman & Stage, 1924: 119; Kirk & Knull, 1926: 44 (distr.); Bird, 1927: 126 (hosts); Leonard, 1928: 453 (distr.); Ware, 1929: 368 (distr.); Frost & Dietrich, 1929: 436 (distr.); Barrett, 1932: 290 (hosts); Knull, 1932: 64 (hosts); Beaulne, 1932: 220 (hosts); Knowlton & Thatcher, 1936: 280 (distr.); Brimley, 1938: 218 (distr); Chagnon, 1938: 273; Hoffmann, 1940: 59 (biol.); 1942: 11 (hosts); Wray & Brimley, 1943: 130 (distr.); Knull, 1946: 255, pl. 25, fig. 107; Procter, 1946: 183 (distr.); Fattig, 1947: 75 (distr.); Knowlton & Wood, 1950: 13 (distr.); Dillon, 1956c: 348 (syn.); Gardiner, 1961a: 1012, figs 5-10 (larva); Dillon & Dillon, 1961: 645, pl. 54; Chagnon & Robert, 1962: 273; Gardiner, 1966: 204, fig. 54; Bayer & Shenefelt, 1969: 28, fig. 36; Hatch, 1971: 152; Kirk & Balsbaugh, 1975: 100; Stein & Tagestad. 1976: 16; Gosling & Gosling, 1976: 30 (distr.); Laliberté, Chantal & LaRochelle, 1977: 94 (biol.); Headstrom, 1977: 379,

fig. 529; Turnbow & Franklin, 1980: 345 (distr.); Rice & Enns, 1981: 101 (distr., hosts); Gosling, 1984: 72 (hosts); Waters & Hyche, 1984: 284 (distr.); Gosling, 1986: 256 (hosts); Chemsak, Linsley & Noguera, 1992: 137 (cat.); Lingafelter & Horner, 1983: 284 (distr.); MacRae, 1993: 247 (distr.); Monné, M.A., & Giesbert, 1994: 247 (checklist); Monné, M.A., 1995a: 68 (cat.); Linsley & Chemsak, 1995: 75; 1997: 383 (host); Yanega, 1996: 135, pl. 27, figs 311 a, b; Hefern, 1998: 21 (distr., hosts); Schiefer, 1998b: 125 (distr.); Vlasák & Vlasakova, 2002: 215 (distr., hosts); Monné, M.A. & Hovore, 2006: 181 (checklist); Holt, 2013: 251 (distr.); Steury & MacRae, 2014:11 (distr.); Lingafelter *et al*., 2014: 343, fig. 181 9 (holotype); Vlasak, 2014:319 (hosts); Webster, 2016: 488 (distr.); Rice, MacRae & Merickel, 2017: 671 (distr., hosts); Klingeman *et al*., 2017: 298 (distr.); Webster, 2016: 488; Bousquet, Laplante, Hammond & Langor, 2017: 164, pl. 40

Hyperplatys aspersus; Nascimento, Santos Silva & McClarin, 2020: 217 (emendation)

Hyperplatys vigilans Casey, 1913: 329; Lingafelter *et al*., 2014: 343, fig. 181 9 (holotype);

Type localiy - Holotype male: United States, District of Columbia (USNM)

Hyperplatys laceyi Dillon, 1956c: 351; Monné, M.A., 1995a: 69 (cat.); Chemsak, Linsley & Noguera, 1992: 137 (cat.)

Type locality - Holotype female: United States, Arizona: Palmerlee, Cochise County. (AMNH),

2. *Hyperplatus californicus* Casey, 1891

Type locality - Lectotype: United States, California; Santa Cruz County, Santa Cruz Mts. (USNM). **Distribution** - United States (Coastal area of southern California and Arizona). **Host plants** - *Aesculus californica* (Spach) Nutall, (Hippocastaneaceae), *Juglans californica* S. Watson (Juglandaceae), *Populus trichocarpa* Torrey & A. Gray (Salicaceae)

Hyperplatys californica Casey, 1891: 51; Fall, 1901: 150 (distr.); Casey, 1913: 330; Garnett, 1918: 282 (distr., hosts); Essig, 1926: 462, fig. 370; Barrett, 1932: 290 (hosts); Moore, 1937: 91 (distr.); Dillon, 1956c: 349; Cope, 1984: 30 (hosts); Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., & Giesbert, 1994: 247 (checklist); Monné, M.A., 1995a: 69 (cat.); Linsley & Chemsak, 1995: 73, fig. 14; 1997: 383 (hosts); Monné, M.A., 1995a: 69 (cat.); Monné, M.A. & Hovore, 2006: 182 (checklist); Lingafelter *et al*., 2014: 35. Fig. 36 (lectotype)

Hyperplatys aspersus californicus; Leng & Hamilton, 1896: 129

Hyperplatys asperatus californicus; Doane *et al.,* 1936: 289 (hosts); Nascimento, Santos Silva & McClarin, 2020: 217 (emendation)

3. *Hyperplatys femoralis* Haldeman, 1847

Type locality - Holotype male: United States. (MCZN). **Distribution** - Southeastern United States.

Hyperplatys femoralis Haldeman, 1847a: 49; Lacordaire, 1872: 776; Horn, 1880a: 127; Casey, 1891: 50; Wickham, 1909b: 402 (distr.); Casey, 1913: 330; Loding, 1933: 149 (distr.); Brimley. 1938: 218 (distr.); Loding, 1945: 123 (distr.); Dillon, 1956b: 251; Turnbow & Franklin, 1980: 345 (distr.); Chemsak, Linsley & Noguera, 1992: 137 (cat.); Linsley & Chemsak, 1995: 71; Monné, M.A., 1985: 69 (cat.); Monné, M.A., & Giesbert, 1994: 247 (checklist); Monné, M.A., 1995a: 69 (cat.); Peck & Thomas, 1998: 123 (distr.); Monné, M.A. & Hovore, 2006: 182 (checklist); Holt, 2013: 251 (distr.)

Liopus femoralis; LeConte, 1852: 171

Leiopus femoralis; Melsheimer, 1853: 108; White, 1855: 380

4. *Hyperplatys maculatus* Haldeman, 1847

Syntypes locality - Syntypes: United States, Pennsylvania. (MZCN). **Distribution** - Eastern North America, west to Missouri and Texas. 37). In Canada, it is known from Cape Breton Island to southern Manitoba. **Host plants** - *Acer negundo* Linnaeus (Aceraceae), *Rhus glabra* Linnaeus (Anacardiaceae); *Cornus florida* Linnaeus (Cornaceae), *Robinia pseudoacacia* Linnaeus (Fabaceae), *Quercus rubra* Linnaeus (Fagaceae), *Juglans cinerea*

Linnaeus (Juglandaceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Tilia americana* Linnaeus (Malvaceae), *Amelancher canadensis* Medikus (Rosaceae), *Populus deltoides* Bartram ex Marshall, *P. monilifera* Aiton (Salicaceae), *Ulmus pumila* Linnaeus (Ulmaceae).

Hyperplatys maculata Haldeman, 1847a: 49; LeConte, 1852: 170; Melsheimer, 1853: 108 (cat.); White, 1855: 387; Bland, 1861: 97 (distr., hosts); Thomson, 1864: 26; Lacordaire, 1872: 776; Horn, 1880a: 177; Riley, 1880a: 271 (hosts); Snow, 1883: 42 (distr.); Knaus, 1885: 59 (distr.); Hubbard, 1885: 174, pl. 14, fig. 3; Casey, 1891: 50; Cook, 1891: 109, fig. 1; Hopkins, 1893: 197 (biol.); Townsend, 1893: 200 (distr.); Davis, 1895: 82, fig. 1 (hosts); Slosson, 1895b: 319 (distr.); Hamilton, 1895a: 339 (distr.); Evans, 1895: 173 (distr.); Leng & Hamilton, 1896: 129; Beutenmuller, 1896: 79 (hosts); Wickham, 1898a: 38; Smith, 1900: 295 (distr.); Dury, 1902: 162; Chagnon, 1905a: 42; Fall & Cockerell, 1907: 194 (distr.); Schaeffer, 1908a: 331 (distr.); Wickham, 1909a: 29 (distr.); Smith, 1910: 234 (distr.); Blatchley, 1910: 1078; Leng, 1911: 215 (distr.); Casey, 1913: 224; Chagnon, 1917: 236; Britton, 1920: 271 (distr.); Craighead, 1921: 217; Hatch, 1925: 581 (distr.); Kirk & Knull, 1926: 44 (distr.); Brues, 1927: 77; Leonard, 1928: 453 (distr.); Frost & Dietrich, 1929: 436 (distr,); Knowlton, 1930: 76 (distr.); Knull, 1932: 64 (hosts); Beaulne, 1932: 220 (hosts); Loding, 1933: 149 (distr.); Knowlton, 1934: 86 (distr.); Chagnon, 1938: 273; Brimley, 1938: 218 (distr.); Loding, 1945: 123 (distr.); Knull, 1946: 255; Procter, 1946: 183 (distr.); Fattig, 1947: 37 (distr.); Dillon, 1956b: 247 (syn.); Gardiner, 1961a: 1011, figs 1-4 (larva); Dillon & Dillon, 1961: 644, pl. 64; Chagnon & Robert, 1962: 273; Gardiner, 1966: 204; Bayer & Shenefelt, 1969: 28, fig. 36; Kirk & Balsbaugh, 1975: 100 (distr.); Stein & Tagestad, 1976: 17; Gosling & Gosling, 1976: 30 (distr.); Laliberté, Chantal & LaRochelle, 1977: 94 (biol.); Headstrom, 1977: 379; Turnbow & Franklin, 1980: 245 (distr.); Rice & Enns, 1981: 101 (distr.); Waters & Hyche, 1984: 284 (distr.); Gosling, 1984: 72 (hosts); 1986: 156 (hosts); Chemsak, Linsley & Noguera, 1992: 137 (cat.); Lingafelter & Horner, 1993: 184 (distr.); MacRae, 1993: 247 (distr., hosts); Linsley & Chemsak, 1995: 71; Monné, M.A., & Giesbert, 1994: 247 (checklist); Monné, M.A., 1995a: 69 (cat,); Krinsky & Godwin, 1996: 239; Yanega, 1996: 135, pl. 27, fig. 210; Linsley & Chemsak, 1997: 384 (hosts); Schiefer, 1998b: 125 (distr.); Vlasák & Vlasakova, 2002: 215 (distr.); Halik & Bergdahl, 2002: 522 (biol.); Monné, M.A. & Hovore, 2006: 182 (checklist); MacRae & Rice, 2007: 252 (distr., hosts); Holt, 2013: 251 (distr.); Spomer, 2014: 210 (distr.); Webster, 2016: 488 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 164, pl. 40; Maier, 2020: 82 (hosts); Monné, M.A., Santos-Silva & Monné, M.L;. 2020a:31; 2020b: 316;

Hyperplatys maculatus; Nascimento, Santos Silva & McClarin, 2020: 217 (emendation)

Hyperplatys maculata var. *nigrellus* Haldeman, 1847a: 49 Smith, 1900: 295; 1910: 334;

Hyperplatys nigrella Casey, 1913: 327; Leonard, 1928: 453 (distr.); Loding, 1945: 123; Fattig, 1947: 37 (distr.)

Type locality - Holotype: United States. (MCZN).

Hyperplatys lentiginosa Casey, 1913: 325; Lingafelter *et al*., 2014: 88, fig. 97 c (holotype)

Type locality - Holotype: United States, Rhode Island: Watch Hill (USNM)

Hyperplatys robustula Casey, 1913: 326; Lingafelter *et al*., 2014: 310, fig. 144 o (holotype)

Type locality - Holotype male: United States, Indiana. (USNM).

Hyperplatys amnicola Casey, 1913: 326; Lingafelter *et al*., 2014: 14, fig. 13 u (holotype)

Type locality - Holotype male: United States, Iowa: Keokuk (USNM)

Hyperplatys delicata Casey, 1913: 327; Lingafelter*et al*., 2014: 51, fig. 54 k (holotype)

Type locality - Holotype male: United States, Rhode Island: Boston Neck (USNM).

Hyperplatys cryptica Casey, 1913: 327; Lingafelter *et al*., 2014: 48, fig. 51 a (lectotype)

Type locality - Lectotype: United States, Indiana. (USNM)

Hyperplatys variolata Casey, 1913: 328; Lingafelter *et al*., 2014: 342, fig. 179 u (lectotype)

Type locality - Lectotype: United States, District of Columbia (USNM)

Hyperplatys frigida Casey, 1913: 328; Lingafelter *et al*., 2014: 66, fig. 61 c (lectotype)

Type locality - Lectotype male: United States, Maine, Monmouth. (USNM).

Hyperplatys binocularis Casey, 1913: 328; Lingafelter *et al*., 2014: 29, fig. 30e (holotype)

5. *Hyperplatys montanus* Casey, 1913

Type locality - Holotype male: United States, Colorado: Boulder County. (USNM). **Distribution** - Apparently confined to the central and southern Rocky Mountain States.Utah, Colorado, New Mexico. **Host plants** – *Acer rubrum* Linnaeus (Aceraceae)

Hyperplatys montana Casey, 1913: 325; Knowlton & Wood. 1950: 13 (distr.); Dillon, 1956c: 350; Cope, 1984: 30 (distr, hosts); Chemsak, Linsley & Noguera, 1992: 137 (cat.); Monné, M.A., & Giesbert, 1994: 247 (checklist); Monné, M.A., 1995a: 70 (cat.); Heffern, 1998; 21 (distr., reval.); Monné, M.A. & Hovore, 2006: 182 (checklist); Lingafelter *et al*., 2014: 101, fig; 111 o (holotype)

Hyperplatys montanus; Nascimento, Santos Silva & McClarin, 2020: 217 (emendation)

***Lagocheirus* Dejean, 1835**

Lagocheirus Dejean, 1835: 336; Chevrolat *in* D'Orbigny, 1846a: 199; Thomson, 1860: 9; Bates, 1863: 100; Thomson, 1865: 355; Lacordaire, 1872: 762; Leng & Hamilton, 1896: 115; Dillon, 1956a: 136; 1957: 140; Arnett, 1962: 871, 890; Lane, 1973a: 529; Chalumeau, 1983: 221; Linsley & Chemsak, 1995: 134; Monné, M.A., 1995a: 43 (cat.) ; Toledo, 1998: 4 (rev.); Monné, M.A., 2005: 48 (cat.); Monné, M.A. & Hovore, 2006: 182 (checklist); Monné, M.A., 2012: 69; Bousquet & Bouchard, 2013: 84.

Lagochirus; Erichson, 1847: 144; LeConte, 1873b: 337; Bates, 1880: 144; LeConte & Horn, 1883: 323; Casey, 1913: 303; Bradley, 1930: 245; Zayas, 1975: 225.

Type-species - *Cerambyx araneiformis* Linnaeus, 1767 (monotypy).

Karadinia McKeown, 1942: 97; Monné, M.A. & Giesbert, 1992: 253 (syn.).

Type-species - *Karadinia nubila* McKeown, 1942 (original designation).

Archlagocheirus Dillon, 1957: 164.

Type-species - *Lagocheirus funestus* Thomson, 1865 (original designation).

Sternocheirus Dillon, 1957: 163.

Type-species - *Sternocheirus lugubris* Dillon, 1957 (original designation).

1. *Lagocheirus araneiformis stroheckeri* Dillon, 1956

Type locality - Holotype male: United States, Florida: Miami. (UMFC). **Distribution** - United States (southern Florida), Cuba, Bahamas. **Host plants** - *Spondias purpurea* Linnaeus (Anacardiaceae), *Bursera simaruba* (Linnaeus) Sargent (Burseraceae).

Lagocheirus stroheckeri stroheckeri Dillon, 1956a: 138, pl. 1, fig. 2.

Lagocheirus araneiformis stroheckeri; Dillon, 1957: 148; Gilmour, 1968: 156; Zayas, 1975: 228; Chemsak, Linsley & Noguera, 1992: 138 (cat.); Monné, M.A., & Giesbert, 1994: 247 (checklist); Monné, M.A., 1995a: 45 (cat.); Linsley & Chemsak, 1995: 138; 1997: 386 (hosts); Monné, M.A., 2001: 14 (cat. hosts); Peck, 2005: 177 (distr.); Monné, M.A., 2005: 49 (cat.); Monné, M.A. & Hovore, 2006: 182 (checklist); Nearns, 2006:57; Thomas & Turnbow, 2007: 686 (distr.); Turnbow & Thomas, 2008: 20 (distr.); Devesa, Barro & Fonseca, 2019:158, figs 1-10; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

Lagocheirus araneiformis; Chevrolat, 1862: 247; Zayas, 1975: 227, pl. 29, fig. b.

Lagochirus araneiformis; Horn, 1880a: 117; Gundlach, 1894: 326 (distr.); Leng *in* Leng & Hamilton, 1896: 115; Laurent, 1902: 95; Bruner, Scaramuzza & Otero, 1945: 175 (hosts).

2. *Lagocheirus obsoletus obsoletus* Thomson, 1860

Type locality - Holotype male: Mexico (MNHN). **Distribution** - United States (Texas), Mexico (Sonora, Sinaloa, Tamaulipas, Jalisco, San Luís Potosí, Oaxaca, Tamaulipas, Morelos, Veracruz, Yucatán, Quintana Roo), Guatemala, El Salvador, Honduras, Nicaragua, Costa Rica, Panama, Chile (Isla de Pascua), Hawaii, Ryu Kyu, Tahiti, Mangareva, Aukena. **Host plants** - *Yucca* sp. (Agavaceae), *Comocladia engleriana* Loesen, *Spondias purpurea* Linnaeus (Anacardiaceae), *Allamanda* sp., *Amphipterygium adstringens* (Schltdl.) Standl, *Plumeria rubra* Linnaeus (Apocynaceae), *Pittocaulon praecox* (Cav.) H. Rob. & Brettell (Asteraceae), *Pseudopanax* sp. (Araliaceae), *Araucaria* sp. (Araucariaceae), *Bursera instabilis* McVaugh & Rzedowski, *B. simaruba* (Linnaeus) Sargent, *Bursera copallifera*,*B*.

fagaroides, *B. grandifolia*; (Burseraceae), *Conzattia multiflora* (Robinson) Standley (Caesalpiniaceae), *Aleurites* sp., *Cnidoscolus spinosus* Lundel, *Euphorbia multiformis* Gaudichaud-Beaupré, *E. tanquahuete* Sessé & Mociño, *Euphorbia schlechtendalii*, *Jatropha curcas* Linnaeus, *J. standleyi* Steyermark, *Manihot esculenta* Crantz, *M. palmata* Müller Argoviensis, *Sapium macrocarpum*; *Sapium pedicellatum* Huber (Euphorbiaceae), *Amphipterygium adstringens* (Schlechtendal) Standley (Julianaceae), *Abelmoschus* sp., *Gossypium* sp., *Hibiscus* sp. (Malvaceae), *Ficus carica* Linnaeus, *F. cotinifolia* Kunth, *F. glabrata* Kunth (Moraceae), *Forestiera* sp. (Oleaceae), *Capsicum* sp. (Solanaceae).

Lagocheirus obsoletus Thomson, 1860: 10; Bates, 1874: 229 (distr.); Thomson, 1878: 15 (type); Grossbeck, 1912: 325 (distr.); Cunliffe, 1916: 56 (biol.); Perkins & Swezey, 1924: 51 (hosts); Linsley, 1934b: 109 (distr.); Linsley, 1942: 88; Duffy, 1953: 140, 154; Maes & Tellez Robleto, 1988: 58 (hosts); Monné, M.A., & Giesbert, 1994: 248 (checklist); Monné, M.A., 1995a: 47 (cat.); Vitali & Rezbanyai-Reser, 2003: 16 (syn.); Noguera *et al*., 2007: 312 (distr.); Noguera *et al.*, 2009: 89 (distr.); Swift *et al*., 2010: 38 (distr.); Noguera *et al*., 2012: 621 (distr.); García Morales *et al*., 2015: 107 (distr.); López-Martínez *et al*., 2015: 780 (hosts); Hernández-Cardenas *et al.*, 2016: 497(distr.); Noguera *et al*., 2017: 11 (distr.).

Lagochirus obsoletus; Bates, 1880: 145 (distr.); 1885: 393 (distr.).

Lagocheirus obsoletus obsoletus; Toledo & Hovore, 2005: 35, fig. 6; Monné, M.A., 2005: 51 (cat.); Monné, M.A. & Hovore, 2006: 182 (checklist); Maes *et al.*, 2010: 463, 4 figs (distr.); Vargas-Cardoso *et al*., 2018: 96 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 484

Cerambyx undatus Voet, 1778: 11, pl. 9, fig. 34; 1806: 11, pl. 9, fig. 34. (not *Cerambyx undatus* Linnaeus, 1758)

Lagochirus undatus; Aurivillius, 1923: 393 (cat.).

Lagocheirus undatus undatus; Dillon, 1957: 143 (syn.); Duffy, 1960: 239, figs. 141, 142 (larva, pupa); Maes *et al*., 1994: 41 (distr.).

Lagocheirus undatus; Lane, 1973a: 530; Maes & Tellez Robleto, 1988: 36, 47, 58 (hosts); Chemsak, Linsley & Noguera, 1992: 138 (cat.); Linsley & Chemsak, 1995: 136 (syn.); Noguera & Chemsak, 1996: 406 (cat.); Linsley & Chemsak, 1997: 386 (hosts); Toledo, 1998: 47; Monné, M.A., 2001: 15 (cat. hosts); Toledo *et al*., 2002: 531 (distr.); Noguera *et al*., 2002: 625 (distr.); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.); Turnbow, Cave & Thomas, 2003: 33 (distr.); Hovore, 2006: 377 (distr.); Mondaca, 2008: 64, figs 1,2; Morales-Morales *et al*., 2012: 38 (biol.).

Type locality -Type: Indiis Orientalibus. (Depository unknown).

Lagochirus longipennis Bates, 1880: 145; Lameere, 1883: 67 (cat.); Bates, 1885: 383 (distr.); Chemsak & Linsley, 1970: 411 (lect.).

Type locality - Lectotype male: Guatemala, Sacatepéquez: Capetillo. (BMNH).

Lagocheirus zimmermani Dillon, 1952: 207; Chemsak, 1977a: 176 (type).

Lagocheirus zimmermani zimmermani; Dillon, 1957: 145.

Type locality - Holotype female: Hawaii, Oahu: Honolulu. (FMNH).

Lagocheirus texensis Dillon, 1956a: 139; Turnbow & Wappes, 1981: 77; Hovore, Penrose & Neck, 1987: 317, fig. 17 (biol., distr.).

Type locality - Holotype male: United States, Texas: Dimmit Co. (TAMU).

Lagocheirus undatus mariorum Dillon, 1957: 144.

Type locality - Holotype female: Mexico, Islas Tres Marías: Isla María Madre. (CASC).

Lagocheirus zimmermani aukena Dillon, 1957: 145.

Type locality - Holotype male: Mangareva Islands: Aukena Island. (BMNH).

Leptostylopsis Dillon, 1956

Leptostylopsis Dillon, 1956a: 144; Arnett, 1962: 871, 890; Villiers, 1980b: 568; Chalumeau, 1983: 226; Monné, M.A., 1995a: 86 (cat.) ; Linsley & Chemsak, 1995: 139; Micheli & Micheli, 2004: 30 (key spp.); Monné, M.A., 2005: 55 (cat.); Monné, M.A. & Hovore, 2006: 183 (checklist); Lingafelter & Micheli, 2009: 4 (rev., key ssp Dominican Republic); Monné, M.A., 2012: 70.

Type-species - *Leptostylus terraecolor* Horn, 1880 (original designation).

1. *Leptostylopsis albofasciata* (Fisher, 1926)

Type locality - Holotype male: Cuba, Cayamas. (USNM). **Distribution** - United States (Southern Florida), Cuba. **Host plants** - *Rhizophora mangle* Linnaeus (Rhizophoraceae).

Leptostylus albofasciatus Fisher, 1926a: 16; Zayas, 1975: 232, pl. 29, fig. d; Lingafelter *et al*., 2014: 11, figs. 10s, r (type).

Leptostylopsis albofasciatus; Gilmour, 1963a: 58; Chemsak, Linsley & Noguera, 1992: 139 (cat.); Monné, M.A., & Giesbert, 1994: 248 (checklist); Monné, M.A., 1995a: 86 (cat.); Linsley & Chemsak, 1995: 144; 1997: 387 (hosts); Monné, M.A., 2001: 16 (cat. hosts); Lozada Piña, Fernández García & Trujillo Anaya, 2004: 106 (distr.); Monné, M.A., 2005: 55 (cat.); Peck, 2005: 178 (distr.); Monné, M.A. & Hovore, 2006: 183 (checklist); Lingafelter *et al*., 2014: 11, fig. 10 (holotype); Devesa, Barro & Fonseca, 2019: 164 13 figs

2. *Leptostylopsis argentata* (Jacquelin DuVal, 1857)

Syntype locality - Syntypes: Cuba. (MNHN). **Distribution** - United States (Southern Florida to Georgia), Cuba, Hispaniola, Puerto Rico, Bahamas, Jamaica, Cayman Islands. **Host plants** - *Conocarpus erectus* Linnaeus (Combretaceae), *Zanthoxylum fagara* (Linnaeus) Sargent, *Z. flavum* Vahl (Rutaceae).

Amniscus argentatus Jacquelin DuVal *in* Sagra, 1857: 273.

Leptostylus argentatus; Chevrolat, 1862: 247; Horn, 1880a: 121, 123; Schwarz, 1888: 93 (hosts); Gahan, 1895: 132; Hamilton *in* Leng & Hamilton, 1896: 117; Wickham, 1909b: 402 (distr.); Leng & Mutchler, 1914: 450 (distr.); Gowdey, 1926: 22 (distr.); Wolcott, 1936: 263 (distr.); 1941: 99 (hosts); Martorell, 1945: 352 (hosts); Wolcott, 1948: 344 (distr.); Cazier & Lacey, 1952: 51 (distr.); Duffy, 1960: 251 (hosts); Zayas, 1975: 233, pl. 30, fig. a.

Leptostylopsis argentatus; Dillon, 1956a: 145; Chemsak, 1967: 188 (distr.); Gilmour, 1968: 160, pl. 16, fig. 4; Miskimer & Bond, 1970: 94 (distr.); Chemsak, Linsley & Noguera, 1992: 139 (cat.); Browne, Peck & Ivie, 1993: 50 (distr.); Monné, M.A., & Giesbert, 1994: 248 (checklist); Monné, M.A., 1995a: 86 (cat.); Linsley & Chemsak, 1995: 145; 1997: 387 (hosts); Monné, M.A., 2001: 17 (cat. hosts); Vitali & Rezbanyai-Reser, 2003: 18, figs. 38 a-b; Lingafelter & Micheli, 2004: 51 (distr.); 2009: 13, map 2, figs. 4, 17, 32, 47, 62, 77, 91, 106; Monné, M.A., 2005: 55 (cat.); Peck, 2005: 178 (distr.); Monné, M.A. & Hovore, 2006: 183 (checklist); Micheli, 2010: 156, pl. 46; Thomas, Turnbow & Steiner, 2013: 19 (distr.); Lingafelter *et al*., 2014: 330, 367, fig. 167 (lectotype); Vlasak & Androw, 2016: 127, fig. 1g; Devesa, Barro & Fonseca, 2019: 168, 9 figs

Leptostylus taeniatus Casey, 1913: 306; Lingafelter *et al*., 2014: 330, figs. 167m, n (lect. designation).

Type locality - Lectotype: United States, Florida: Lake Worth. (USNM).

3. *Leptostylopsis lutea* Dillon, 1956

Type locality - Holotype female: United States, Texas: Brownsville, Esperanza Ranch. (AMNH). **Distribution** - United States (Texas). **Host plants** – *Acacia farnesiana* (Linnaeus) Willdenow (Mimosaceae).

Leptostylopsis luteus Dillon, 1956a: 147; Bayer & Shenefelt, 1969: 28, fig. 36; Hovore, Penrose & Neck, 1987: 318; Chemsak, Linsley & Noguera, 1992: 139 (cat.); Monné, M.A., & Giesbert, 1994: 249 (checklist); Monné, M.A., 1995a: 88 (cat.); Linsley & Chemsak. 1995: 140; 1997: 387 (hosts); Monné, M.A., 1995a: 88 (cat.); Monné, M.A. & Hovore, 2006: 183 (checklist);

4. *Leptostylopsis planidorsus* (LeConte, 1873)

Type locality - Holotype: United States, Louisiana. (MCZN). **Distribution** - Maryland to Florida west to Louisiana. **Host plants** – *Betula nigra* Linnaeus (Betulaceae), *Cercis canadenses* Linnaeus (Caesalpiniaceae), *Quercus laurifolia* Michaux (Fagaceae).

Leptostylus planidorsus LeConte, 1873a: 233; Horn, 1880a: 121; Lameere, 1883: 65 (cat.); Leng & Hamilton, 1896: 118; Blatchley, 1910: 1073; Dozier, 1918: 335 (distr.); Loding, 1945: 122 (distr.); Fattig, 1947: 34 (distr)

Leptostylopsis planidorsus; Dillon, 1956a: 147 (syn,); Turnbow & Hovore, 1979: 224 (hosts); Turnbow & Franklin, 1980: 344 (distr.); Chemsak, Linsley & Noguera, 1992: 139 (cat.); Monné, M.A., & Giesbert, 1994: 249 (checklist); Monné, M.A., 1995a: 88 (cat.); Linsley & Chemsak, 1995: 142; Browne & Peck, 1996: 2159 (distr.); Yanega, 1996: 135, pl. 26, fig. 295; Linsley & Chemsak, 1997: 387 (hosts); Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 88 (distr.); Monné, M.A. & Hovore, 2006: 184 (checklist); MacRae & Rice, 2007: 252 (distr., hosts); Holt, 2013: 251 (distr,); Vlasák, 2014: 319 (hosts).

Leptostylus lecontei Casey, 1913: 305; Lingafelter *et al*., 2014: 88, fig. 96 q (holotype)

Type locality - Holotype: United States, Florida: Lake Worth. (USNM)

Leptostylus crescenticus Casey, 1913: 306; Lingafelter *et al*., 2014: 47, fig. 50 c (holotype)

Type locality - Holotype: United States, Florida: Crescent City (USNM)

5. *Leptostylopsis terraecolor* (Horn, 1880)

Syntypes locality - Syntypes: United States, Florida. (ANSP). **Distribution** - United States (Florida). **Host plants** – *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae), *Bursera simaruba* (Linnaeus) Sargen (Burseraceae), *Piscidia piscipula* (Linnaeus) Sargent (Fabaceae), *Lysiloma latisiliqua* (Linnaeus) Bentham (Mimosaceae), *Ficus aurea* Nuttall, *F. citrifolia* Miller, *F. pedunculata* Miquel (Moraceae) *Forestiera segregata* (Jacquin) Krug & Urban (Oleaceae), *Rhizophora mangle* Linnaeus (Rhizophoracae), *Mastichodendron foetidissimum* (Jacquin) H.J. Lam (Sapotaceae)

Leptostylus terraecolor Horn, 1880a: 121; Lameere, 1883: 65 (cat.); Schwarz, 1889: 169 (distr.); Leng & Hamilton, 1896: 118 (hosts); Wickham, 1909b: 402 (distr.); Craighead, 1923: 116 (larva); Linsley, 1958: 111 (biol.); Chemsak, 1972: 150 (hosts)

Leptostylopsis terraecolor; Dillon, 1956a: 146 (syn.); Turnbow & Hovore, 1979: 324 (hosts); Chemsak. Linsley & Noguera, 1992: 139 (cat.); Monné, M.A., & Giesbert, 1994: 249 (checklist); Monné, M.A., 1995a: 89 (cat.); Linsley & Chemsak, 1995: 141; 1997: 387 (hosts); Browne & Peck, 1996: 2159 (distr.); Peck & Thomas, 1998: 123 (distr.); Monné, M.A. & Hovore, 2006: 184 (checklist); Lingafelter & Micheli, 2009: 4, figs; Haack. 2017: 114 (hosts); Monné, M.A., Santos-Silva & Monné, M.L.,2020: 318

Leptostylus mutilus Casey. 1913: 307; Lingafelter *et al*;. 2014: 103, fig. 113 w (holotype)

Type locality - Holotype female: United States, Florida: Key Largo (USNM)

Leptostylus LeConte, 1852

Leptostylus LeConte, 1852: 168; Thomson, 1860: 11; Bates, 1863: 101; Thomson, 1864: 28; 1865: 355; Lacordaire, 1872: 771; LeConte, 1873b: 338; Provancher, 1877: 627; Horn, 1880a: 119; Bates, 1880: 146; LeConte & Horn, 1883: 323; Leng & Hamilton, 1896: 116 (*partim*); Wickham, 1897a: 202, 207 (*partim*); Casey, 1913: 305 (*partim*); Knull, 1946: 244; Dillon, 1956a: 141; Arnett, 1962: 872, 890; Zayas, 1975: 230; Monné, M.A. & Hoffmann, 1981: 245; Linsley & Chemsak, 1995: 146; Monné, M.A., 1995a: 94 (cat.) ; Monné, M.A., 2005: 58 (cat.); Monné, M.A. & Hovore, 2006: 184 (checklist); Monné, M.A., 2012: 70.

Leptostylis; Bradley, 1930: 246 (error).

Type-species - *Lamia aculifera* Say, 1824 (subsequent designation, Thomson, 1864: 28) [= *Lamia transversa* Gyllenhal, 1817].

1. *Leptostylus asperatus* (Haldeman, 1847)

Type locality - Holotype: United States, Louisiana: New Orleans. (MCZN). **Distribution** - Maryland to Florida and Texas. **Host plants** - *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Prunus serotina* Ehrhart (Rosaceae)

Amnisus albescens var. *asperatus* Haldeman, 1847a: 46

Leptostylus transversus asperatus; Dillon, 1956a: 143; Chemsak, Linsley & Noguera, 1992: 141 (cat.); Lingafelter & Horner, 1993: 183 (distr.); Monné, M.A., 1995a: 102 (cat.)

Leptostylus asperatus; Monné, M.A., & Giesbert, 1994: 249 (checklist); Linsley & Chemsak, 1995: 148, fig. 25; 1997: 388 (hosts); Yanega, 1996: 135, pl. 26, fig. 293; Peck & Thomas, 1998: 123 (distr.); Monné, M.A. & Hovore, 2006: 184 (checklist); Holt, 2013: 251 (distr., hosts); Klingeman *et al*., 2017: 298 (distr.)

2. *Leptostylus gibbulosus* Bates, 1874

Type locality - Holotype: Venezuela. (MNHN). **Distribution** - United States (Texas), Mexico (Tamaulipas, Chiapas, Quintana Roo), Guatemala, Nicaragua, Costa Rica, Panama, Colombia, Venezuela. **Host plants** - *Sapindus saponaria* Linnaeus (Sapindaceae).

Leptostylus gibbulosus Bates, 1874: 230; 1880: 150 (distr.); Lameere, 1883: 68 (cat.); Bates, 1885: 385; Fisher, 1944: 11 (distr.); Ballou, 1945: 64 (hosts); Vogt, 1949: 180 (biol., distr.); Freude, 1954: 36 (distr.); Jansen, 1980: 949 (hosts, seeds); Chemsak, Linsley & Noguera, 1992: 140 (cat.); Monné, M.A., & Giesbert, 1994: 249 (checklist); Monné, M.A., 1995a: 96 (cat.); Linsley & Chemsak, 1995: 153, fig. 26; Maes & Tellez Robleto, 1988: 6, 36 (hosts); Noguera & Chemsak, 1996: 406 (cat.); Linsley & Chemsak, 1997: 388 (hosts); Turnbow, Cave & Thomas, 2003: 33 (distr.); Monné, M.A., 2005: 61 (cat.); Hovore, 2006: 377 (distr.); Monné, M.A. & Hovore, 2006: 184 (checklist); Nápoles, Chemsak & Hernández, 2007: 171 (biol.); Swift *et al*., 2010: 39 (distr.); Maes *et al.*, 2010: 492, 3 figs (distr.); Hernandez-Jaramillo, Pinzón & Parrado-Rosselli, 2012: 247 (biol., hosts); Lagos & Barrios, 2014: 17 (distr.); García Morales *et al*., 2015: 107 (distr.); Noguera & Gutiérrez, 2016: 660 (distr.); Audureau & Roguet, 2018: 70 (distr.); Le Tirant & Santos-Silva, 2019: 4, fig. 8 ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

Leptostylus gibbulosus gibbulosus; Dillon, distr.); 1962: 31; Monné, M.A. & Hoffmann, 1981: 253; Maes *et al*., 1994: 42 (distr., hosts); Maes, 1998: 931; Martínez, 2000: 93 (distr.).

Leptostylus vogti Dillon, 1956a: 141.

Leptostylus gibbulosus vogti; Dillon, 1962: 32; Hovore, Penrose & Neck, 1987: 317 (biol.); Chemsak, Linsley & Noguera, 1992: 140 (cat.).

Type locality - Holotype male: United States, Texas: Hidalgo Co. (CASC).

3. *Leptostylus hispidulus* Bates, 1874

Type locality - Lectotype female: Nicaragua, Chontales. (BMNH). **Distribution** - United States (Florida), Mexico, Guatemala, Nicaragua, Honduras, Costa Rica. **Host plants** - *Ficus aurea* Nuttall (Moraceae).

Leptostylus hispidulus Bates, 1874: 229; 1880: 150 (distr.); 1885: 385 (distr.); Lameere, 1883: 69 (cat.); Chemsak & Linsley, 1970: 412 (lect.); Chemsak, Linsley & Noguera, 1992: 140 (cat.); Maes *et al*., 1994: 42 (distr.); Monné, M.A., & Giesbert, 1994: 250 (checklist); Monné, M.A., 1995a: 97 (cat.); Maes, 1998: 931 (distr.); Morris, 2002: 212 (distr.); Turnbow, Cave & Thomas, 2003: 33 (distr.); Monné, M.A., 2005: 61 (cat.); Hovore, 2006: 377 (distr.); Monné, M.A. & Hovore, 2006: 184 (checklist); Audureau, 2008: 12 (distr.); Swift *et al*., 2010: 39 (distr.); Maes *et al.*, 2010: 497, 9 figs (distr.);

4. *Leptostylus transversus* (Gyllenhal, 1817)

Syntypes locality - Syntypes: America Boreali (UZIU) **Distribution** - Eastern North America to Florida and northeastern Mexico, west to Arizona, Kansas and South Dakota. **Host plants** - *Acer rubrum* Linnaeus (Aceraceae), *Metopium toxiferum* (Linnaeus), Krug & Urban, *Rhus glabra* Linnaeus, *R. radicans* Linneaus (Anacardiaceae), *Bursera simaruba* (Linnaeus) Sargent (Caesalpiniaceae), *Cercis canadensis* Linnaeus, *Cornus florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae), *Juniperus virginiana* Linnaeus (Cupressaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Sesbania drummondii* (Rydberg) Cory (Fabaceae), *Quercus macrocapa* Michaux, *Q. rubra* Linnaeus, *Q. stellata* Wangenheim, *Q. velutina* Lamarck (Fagaceae), *Liquidambar styraciflua* Linnaeus (Hamamelidaceae). *Aesculus glabra* Willdenow, *A. pavia* Linnaeus (Hippocastanaceae), *Carya glabra* (Miller) Sweet, *C. ovata* (Miller) K. Koch, *C, porcina* Nuttall, *Juglans nigra* Linnaeus (Juglandaceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Tilia americana* Linnaeus (Malvaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Maclura*

pomifera (Rafinesque) C. Schneider (Moraceae), *Pinus echinata* Miller, *P.sylvestris* Linnaeus (Pinaceae), *Platanus occidentalis* Linnaeus (Platanaceae), *Rhizophora mangle* Linnaeus (Rhizophoraceae), *Amelancher arborea* (Michaux fils) Fernald (Rosaceae), *Zanthoxylum fagara* (Linnaeus) Sargent (Rutaceae), *Mastichodendron foetidissimum* (Jacquin) H.J.Lam (Sapotaceae).

Lamia transversa Gyllenhal, 1817: 164

Amniscus transversus White, 1855: 391

Leptostylus transversus Lacordaire, 1872: 772; Bayer & Shenefelt, 1969: 28, fig. 36; Gosling & Gosling, 1976: 26 (distr.); Solomon, Doolittle & Spilman, 1976: 290; Chemsak, Linsley & Noguera, 1992: 141 (cat.); Monné, M.A., & Giesbert, 1994: 251 (checklist); Monné, M.A., 1995a: 101 (cat.); Linsley & Chemsak, 1995: 150 (syn.); Browne & Peck, 1996: 2159 (distr.); Yanega, 1996: 136, pl. 26, fig. 292; Linsley & Chemsak, 1997: 388 (hosts); Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 125 (distr.); Vlasák & Vlasakova, 2002: 215 (distr.); Senchina, 2005: 332 (distr.); Monné, M.A. & Hovore, 2006: 185 (checklist); MacRae & Rice, 2007: 252 (distr., hosts); Lingafelter & Micheli, 2009: 4, figs; Guarnieri, 2009: 19 (distr.); Holt, 2013: 251 (distr., hosts); Klingeman *et al*., 2017: 298 (distr.); Meier *et al*., 2019: 447 (pherom)

Leptostylus transversus transversus Dillon. 1956a: 143; Gardiner, 1969: 81 (larva); Kirk, 1970: 82 (distr.); Kirk & Balsbaugh, 1975: 89 (distr.); Turnbow & Franklin, 1980: 344 (distr.); Rice & Enns, 1981: 99 (distr., hosts); Rice, 1981: 461 (hosts); Gosling, 1984: 72 (hosts); Chemsak, Linsley & Noguera, 1992: 341 (cat.); MacRae, 1993: 245 (distr., hosts)

Cerambyx tuberculatus Froelich, 1792: 138 (preoccupied); Schereber, 1802: 123, pl. 3, fig.13;

Lamia aculifera Say, 1824: 329; LeConte, 1859b: 186

Amniscus aculiferus Haldeman, 1847b: 373; 1847a: 47; LeConte, 1852: 168; White, 1855: 392

Leptostylus aculiferus; Melsheimer, 1853: 108 (cat.); Fitch, 1857: 326, pl. 1, fig. 4; LeConte, 1859b: 49; Bland, 1861: 97 (distr., hosts); Thomson. 1864: 28; Lacordaire, 1872: 772; LeConte, 1873a: 232; Provancher, 1877: 627; Popenoe, 1877: 34 (distr.); Riley, 1880a: 270 (hosts); Horn, 1880a: 121; Wickham, 1892: 100 (biol.); Hopkins, 1893: 196 (biol.); Knobel, 1895: 34, fig, 104; Hamilton, 1895a: 339 (distr.); Slosson, 1895c: 9 (distr.); Beutenmuller, 1896: 79 (hosts); Leng & Hamilton, 1896: 117 (cat.); Wickham, 1897a: 208, fig. 33; 1897: 159 (distr.); Ehrmann, 1897: 170 (hosts); Castle & Laurent, 1897: 8 (distr.); Lugger, 1899: 208, fig. 130; Smith, 1900: 294 (distr.); Dury, 1902: 162 (distr,(; Ulke, 1903: 26 (distr.); Hopkins, 1904: 36 (biol.); Felt, 1906: 461; Wickham, 1909a: 29 (distr.); 1909b: 402 (distr.); Smith, 1910: 333; Blatchley, 1910: 1073, fig. 461; Chagnon, 1917: 236 (distr.); Dozier, 1918: 335 (distr.); Nicolay, 1919: 70 (distr.); Craighead, 1923: 114 (larva); Champlain, Kirk & Knull, 1925: 140 (hosts); Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 451 (distr,); Ware, 1929: 368 (distr.); Beaulne, 1932: 219 (hosts); Herrick, 1935: 179 (biol.); Brimley, 1938: 217 (distr.); Hoffmann, 1940: 79 (biol.); Alexander, 1958: 47 (distr.).

Syntypes localities - Syntypes: United States, Mississippi, Missouri, Nebraska, Arkansas (MCZN)

Amniscus marginellus Haldeman, 1847a: 47

Type locality - Holotype: United States. (MCZN)

Amniscus albescens Haldeman, 1847a: 46;

Leptostylus albescens; Melsheimer, 1853: 108 (cat,); Casey, 1913: 307; Loding, 1933: 149 (distr.); 1945: 122 (distr.); Howden, Howden & Richter, 1951: 18 (hosts); Dillon. 1956a: 144; Lane, 1959: 258; Kirk, 1969: 86 (distr.); Perry, 1974: 216 (distr.); Turnbow & Hovore, 1979: 224 (hosts); Waters & Hyche, 1984: 284 (distr.); Furth, 1985: 192; Chemsak, Linsley & Noguera, 1992: 139 (cat.); Monné, M.A., 1995a: 94 (cat.)

Syntpes locality - Syntypes: United States (MCZN).

Leptostylus divisus Casey, 1913: 306; Lingafelter *et al*., 2014: 54, fig. 57 s, (holotype)

Type locality - Holotype female: United States, Texas USNM)

Leptostylus transversus dakotensis Dillon. 1956a: 143; Chemsak, Linsley & Noguera, 1992: 141 (cat.); Monné, M.A., 1995a: 102 (cat.)

Type locality - Holotype male: United States, South Dakota: Elk Point (DEUM)

Leptostylis transversus dietrichi Dillon, 1956a; 144; Chemsak, Linsley & Noguera, 1992: 141 (cat.); Monné, M.A., 1995a: 102 (cat.)

Type locality - Holotype male: United States: Mississippi, Lucedale. (CUIC)

Leptostylus transversus floridellus Dillon, 1956a; 144; Chemsak, Linsley & Noguera, 1992: 141 (cat.); Monné, M.A., 1995a: 102 (cat.)

Type locality - United States, Florida: Biscayne Bay (AMNH)

Lepturges (*Lepturges*) Bates, 1863

Lepturges Bates, 1863: 367; Lacordaire, 1872: 777; LeConte, 1873b: 338; Provancher, 1877: 628; Horn, 1880a: 126; Bates, 1881a: 166; LeConte & Horn, 1883: 324; Leng & Hamilton, 1896: 127; Blatchley, 1910: 1075; Casey, 1913: 317; Bradley, 1930: 246; Chagnon, 1938: 273; Knull, 1946: 244, 251; Dillon, 1956c: 339; Dillon & Dillon, 1961: 644; Arnett, 1962: 873, 891; Chagnon & Robert, 1962: 271, 275; Linsley & Chemsak, 1995: 77 (syn.); Monné, M.A., 1995a: 106 (cat.) ; Monné, M.A., 2005: 69 (cat.); Monné, M.A. & Hovore, 2006: 186 (checklist); Monné, M.A., 2012: 70.

Lepturges (Lepturges); Monné, M.A., 1976: 357; Monné, M.A., 1995a: 119 (cat.) ; Monné, M.L. & Monné, M.A., 2017: 261 (key spp.).

Lepturgus Gemminger *in* Gemminger & Harold, 1873: 3156 (unjustified emendation); Chittenden & Linell, 1896: 43.

Type-species - *Lepturges elegantulus* Bates, 1863 (subsequent designation, Linsley & Chemsak, 1995: 78).

Maculurges Dillon, 1956c: 338; Arnett, 1962: 873, 891.

Type-species - *Liopus regularis* LeConte, 1862 (original designation).

1. *Lepturges (Lepturges) angulatus* (LeConte, 1852)

Type locality - Holotype: United States, Georgia. (MCZN). **Distribution** - Eastern United States to Kansas and Texas, Mexico (Sonora, Jalisco, Oaxaca, Nayarit).In Canada, it is known from New Brunswick, southern Quebec, and the Great Lakes area in southern Ontario. **Host plants** - *Toxicodendron radicans* (L.) Kuntze (Anacardiaceae)*Gleditschia triacanthos* Linnaeus, *Gymnocladus dioica* (Linnaeus) Koch, *Parkinsonia aculeata* Linnaeus (Caesalpiniaceae), *Celtis laevigata* Wlldenow, *C. lindheimeri* Engelmann, *C. occidentalis* Linnaeus, *C. pallida* Torrey, *C. tenuifolia* Nuttall (Cannabaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Quercus* sp. (Fagaceae), *Liquidambar styraciflua* Linnaeus (Hammamelidaceae), *Aesculus pavia* Linnaeus (Hippocastanaceae), *Carya* sp., *Juglans nigra* Linnaeus (Juglandaceae), *Leucaena pulverulenta* (Schlechtendal) Bentham, *Pithecellobium flexicaule* (Bentham) Coulter, *P. pallens* (Bentham) Standley, *Vachellia farnesiana* (Linnaeus) Wight. & Arn., (Mimosaceae), *Ficus carica* Linnaeus (Moraceae), *Pinus contorta* Douglas ex Loudon (Pinaceae), *Amelanchier arborea* (Michaux fils) Fernald (Rosaceae), *Ulmus* sp. (Ulmaceae).

Liopus angulatus LeConte, 1852: 172.

Leiopus angulatus; White, 1855: 388; Bland, 1861: 97 (distr.).

Lepturges angulatus; Bates, 1863: 368; Provancher, 1877: 628; Hamilton, 1895a: 339 (distr.); Dury, 1902: 162 (distr.); Linsley & Martin, 1933: 182 (distr.); Dillon, 1956c: 340; Gosling & Gosling, 1976: 28 (distr.); Chemsak, Linsley & Noguera, 1992: 141 (cat.); Monné, M.A., & Giesbert, 1994: 251 (checklist); Monné, M.A., 1995a: 107 (cat.); Linsley & Chemsak, 1995: 87 (syn.); 1997: 390 (hosts); Monné, M.A., 2001: 18 (cat. hosts); Monné, M.A., 2005: 70 (cat.); Monné, M.A. & Hovore, 2006: 186 (checklist); MacRae & Rice, 2007: 252 (distr., hosts); Noguera *et al.*, 2009: 89 (distr.); Webster, 2016: 488 (distr.); Webster *et al*., 2016: 116; Webster, 2016: 488; Meier *et al*., 2016: 1181 (pherom.); Noguera *et al*., 2017: 11 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 164; Bezark, 2019: 412 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

Lepturges angulatus angulatus; Dillon, 1956c: 342, pl. 1, fig. 5; Perry, 1975: 59 (hosts); Turnbow & Franklin, 1980: 345; Rice & Enns, 1981: 100 (distr., hosts); MacRae, 1993: 246 (hosts).

Lepturges symmetricus var. *angulatus*; Smith, 1900: 295; Schaeffer, 1908a: 328 (distr.); Wickham, 1909a: 29 (distr.); Smith, 1910: 334 (distr.).

Lepturges confluens var. *angulatus*; Leonard, 1928: 452 (distr.).
Lepturges canus Casey, 1913: 317; Lingafelter *et al*., 2014: 36, figs. 37u, v (holotype).
Lepturges angulatus canus; Dillon, 1956c: 343; Turnbow & Wappes, 1978: 370 (hosts); Hovore & Penrose, 1982: 26 (distr., hosts); Hovore, Penrose & Neck, 1987: 319, fig. 19; Chemsak, Linsley & Noguera, 1992: 141 (cat.); Lingafelter & Horner, 1993: 185 (distr.); Noguera & Chemsak, 1996: 406 (cat.).

Type locality - Holotype female: United States, Texas: Austin. (USNM).

2. *Lepturges confluens* (Haldeman, 1847)

Syntypes locality - Syntypes: United States (MCZN). **Distribution** - This species ranges from southern Quebec to Minnesota, south to Texas and central Florida. In Canada, it is found in southern Quebec, north to the Montreal area, and the Great Lakes area in southern Ontario. **Host plants –** *Cornus florida* Linnaeus (Cornaceae), *Diospyros virginiana* Linnaeus (Ebenaceae). *Fagus ferruginea* Aiton, *Quercus coccinea* Munchhausen (Fagaceae); *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Carya glabra* (Miller) Sweet, *C. illinoinensis* (Wagenheim) K. Koch, *C. laciniosa* (Michaux) Loudon, *C. ovata* (Miller) K. Koch, *C. tomentosa* Nuttall, *Juglans nigra* Linnaeus (Juglandaceae).

Leiopus symmetricus var. *confluens* Haldeman, 1847a: 50
Lepturges confluens; Casey, 1913: 318; Loding, 1945: 123; Knull, 1946: 252; Fattig, 1947: 36 (distr.); Dillon, 1956c: 340, pl. 1, fig. 4; Dillon & Dillon, 1961: 644, pl. 54; Gardiner, 1969: 86; Solomon, Doolittle & Spilman, 1976: 290; Gosling & Gosling, 1976: 28 (distr.); Headstrom, 1977: 378; Rice & Enns, 1981: 100 (distr., hosts); Hovore & Tyson, 1983: 351, fig. 2; Waters & Hyche, 1984: 284 (distr.); Gosling, 1984: 72 (hosts); Monné, M.A., & Giesbert, 1994: 252 (checklist); Chemsak, Linsley & Noguera, 1992: 141 (cat.); MacRae, 1993: 246 (distr., hosts); Linsley & Chemsak, 1995: 86; Monné, M.A., 1995a: 109 (cat.); Yanega, 1996: 136, pl. 28, fig. 321; Krinsky & Godwin, 1996: 239; Linsley & Chemsak, 1997: 390 (hosts); Peck & Thomas, 1998: 123 (distr.); Vlasák & Vlasakova, 2002: 215 (distr., hosts); Monné, M.A. & Hovore, 2006: 186 (checklist); MacRae & Rice, 2007: 252 (distr., hosts); Guarnieri, 2009: 19 (distr.); Holt, 2013: 251 (distr., hosts); Steury & MacRae, 2014:11 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 165, pl. 40;Maier, 2020: 83 (hosts)
Lepturges (Lepturges) confluens; Schiefer, 1998b: 125 (distr.);

3. *Lepturges (Lepturges) infilatus* Bates, 1872

Type locality – Lectotype: Nicaragua, Chontales. (BMNH). **Distribution** - United States (Arizona), Mexico (Oaxaca, Puebla, Veracruz, Sonora, Guerrero, Tamaulipas), Guatemala, Honduras, Nicaragua, Costa Rica. **Host plants** - *Acacia* sp., *Leucaena pulverulenta* (Schlechtendal) Bentham (Mimosaceae), *Morus rubra* Linnaeus (Moraceae).

Lepturges infilatus Bates, 1872: 216; 1881a: 166, pl. 13, fig. 3; 1885: 400 (distr.); Horn, 1886b: x; Chemsak & Linsley, 1970: 413 (lect.); Marqua, 1976: 137; Hovore & Penrose, 1982: 26 (biol.); Hovore, Penrose & Neck, 1987: 319, fig. 19 (distr., hosts); Monné, M.A. & Giesbert, 1992: 253 (syn.); Monné, M.A., & Giesbert, 1994: 253 (checklist); Monné, M.A., 1995a: 110 (cat.); Linsley & Chemsak, 1995: 81; 1997: 391 (hosts); Maes, 1998: 933 (distr.); Monné, M.A., 2001: 19 (cat. hosts); Toledo *et al*., 2002: 531 (distr.); Turnbow, Cave & Thomas, 2003: 34 (distr.); Monné, M.A., 2005: 73 (cat.); Monné, M.A. & Hovore, 2006: 186 (checklist); Hovore, 2006: 377 (distr.); Audureau, 2008: 12 (distr.); Noguera *et al.*, 2009: 89 (distr.); Swift *et al*., 2010: 40 (distr.); Maes *et al.*, 2010: 572, 7 figs (distr.); Noguera *et al*., 2012: 621 (distr.); Luna-León, 2015: 838 (distr.); Audureau & Roguet, 2018: 71 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483
Lepturges infilata; Chemsak, Linsley & Noguera, 1992: 141 (cat.); Maes *et al*., 1994: 44 (distr.); Noguera & Chemsak, 1996: 406 (cat.).
Lepturges infilita; Chemsak & Noguera, 1995: 68 (error).
Lepturges inflatus; García Morales *et al*., 2015: 108 (distr., error).
Lepturges pallisteri Gilmour, 1961: 335, fig. 1.

Type locality - Holotype female: Mexico, Veracruz: Veracruz. (AMNH)

4. *Lepturges (Lepturges) megalops* Hamilton, 1896

Type locality - Lectotype: United States, Florida: Bay Biscayne. (USNM). **Distribution** - United States (Florida), Bahamas, Mexico, Guatemala, Honduras, Costa Rica (Puntarenas), Panama.

Lepturges megalops Hamilton *in* Leng & Hamilton, 1896: 127; Blatchley, 1928: 71 (distr.); Loding, 1945: 123 (distr.); Dillon, 1956c: 345; Chemsak, Linsley & Noguera, 1992: 141 (cat.); Monné, M.A., & Giesbert, 1994: 252 (checklist); Monné, M.A., 1995a: 112 (cat.); Linsley & Chemsak, 1995: 80; Noguera & Chemsak, 1996: 406 (cat.); Turnbow, Cave & Thomas, 2003: 35 (distr.); Monné, M.A., 2005: 75 (cat.); Monné, M.A. & Hovore, 2006: 187 (checklist); Thomas & Turnbow, 2007: 586 (distr.); Turnbow & Thomas, 2008: 20 (distr.); Swift *et al*., 2010: 40 (distr.); Lingafelter *et al*., 2014: 97, figs. 107i, j (lect. designation); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

5. *Lepturges pictus* (LeConte, 1852)

Syntypes locality - United States, Ohio. (MCZN). **Distribution** - From Pennsylvania to eastern Nebraska, including southernmost Ontario, south to Kansas, Missouri, northeastern Mississippi, southern Alabama, and central Georgia. Canadian records. Ontario. Pelee Island, Fish Point. **Host plants** – *Celtis laevigata* Willdenow, *C. occidentalis* Linnaeus, *C. tenuifolia* Nuttall (Cannabaceae), *Carya glabra* (Miller) Sweet, *Juglans nigra* Linnaeus (Juglandaceae)

Liopus pictus LeConte, 1852: 172

Leiopus pictus; Melsheimer, 1853: 108 (cat.); White, 1855: 388; Lacordaire, 1872: 776

Lepturges pictus; Horn, 1880: 126, pl. 2, fig. 2; Leng, 1910: 78 (distr.); Dillon, 1956: 343, pl. 1, fig. 6; Bayer & Shenefelt, 1969: 29; Rice & Enns, 1981: 101 (distr.); Chemsak, Linsley & Noguera, 1992: 142 (cat.); MacRae, 1993: 246 (distr.); Monné, M.A., & Giesbert, 1994: 252 (checklist); Monné, M.A., 1995a: 112 (cat.); Linsley & Chemsak, 1995: 85; 1997: 391 (hosts); Yanega, 1996: 136, pl. 28, pl. 322; urne, 1998: 393 (distr.); Schiefer, 1998: 125 (distr.); Androw & Keeney, 1999: 5 (distr., hosts); Morris, 2002: 212 (hosts); Monné, M.A. & Hovore, 2006: 187 (checklist); Rice & Veal, 2006: 261 (distr.); MacRae & Rice, 2007: 252 (distr., hosts); Holt, 2013: 251 (distr.); Spomer, 2014: 301 (distr.); Bousquet, Laplante, Hamond & Langor, 2017: 165

Lepturges symmetricus var. *pictus*; Hamilton, 1896: 127; Blatchley, 1910: 1076, fig. 462; Smith, 1910: 334; Wright & Whitehouse, 1941: 72 (distr.)

Lepturges (Lepturges) pictus; Gilmour, 1965: 586 (cat.); Klingeman *et al*., 2017: 298 (distr.)

6. *Lepturges regularis* (LeConte, 1852)

Type locality - Holotype: United States, Ohio. (MCZN). **Distribution** - United States (East-central States to Indiana and Missouri). **Host plants** – *Aesculus glabra* Willdenow, *A. pavia* Linnaeus (Hippocastanaceae)

Liopus regularis LeConte, 1852: 39

Lepturges regularis; Horn, 1880a: 127, pl. 2, fig. 6; Leng & Hamilton, 1896: 129; Dury, 1902: 162 (distr.); Knaus, 1906: 106 (distr.); Blatchley, 1910: 1077, fig. 464; Casey, 1913: 319; Champlain, Kirk & Knull, 1925: 140 (hosts); Kirk & Knull, 1926: 43 (distr.); Loding, 1945: 123 (distr.); Knull, 1946: 253, pl. 25, fig. 110; Fattig, 1947: 36 (distr.); Monné, M.A., & Giesbert, 1994: 254 (checklist); Monné, M.A., 1995a: 120 (cat.); Linsley & Chemsak, 1995: 79; Yanega, 1996: 136, pl. 28, figs 29, 323 a, 323b-c; Linsley & Chemsak, 1997: 391 (hosts); Monné, M.A. & Hovore, 2006: 187 (checklist); Rice & Veal, 2006: 261 (distr.)

Maculurges regularis; Dillon, 1956c: 339; Gosling & Gosling, 1976: 28 (biol.); Turnbow & Franklin, 1980: 345 (distr.); Rice & Enns, 1981: 100 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 142 (cat.); MacRae, 1993: 247 (distr.); Monné, M.A., & Giesbert, 1994: 254 (cat.);

Lepturges (Lepturges) regularis; Monné, M,A., & Giesbert, 1995: 260; Schiefer, 1998b: 125 (distr.); Holt, 2013: 251 (distr.); Klingeman *et al*., 2017: 298 (distr.)

7. *Lepturges symmetricus* (Haldeman, 1847)

Syntypes locality - Syntypes: United States. MCZN). **Distribution** – Northeastern North America to Minnesota. In Canada, it is known from New Brunswick to southernmost Ontario, north to the Lake Timiskaming area along the Ontario- Quebec border and the Quebec City area. **Host plants** - *Acer negundo* Linnaeus (Aceraceae), *Celtis occidentalis* Linnaeus (Cannabaceae). *Cornus florida* Linnaeus (Cornaceae), *Fagus grandifolia* Ehrhart, *Juglans cinerea* Linnaeus, *J. nigra* Linnaeus (Juglandaceae), *Tilia americana* Linnaeus (Malvaceae), *Morus rubra* Linnaeus (Moraceae).

Leiopus symmetricus Haldeman, 1847a: 50; 1847b: 373; Melsheimer, 1853: 108 (cat.); White, 1855: 388; Lacordaire, 1872: 776

Liopus symmetricus; LeConte, 1852: 171; Bland, 1861: 97 (distr., hosts)

Lepturges symmetricus; Horn, 1880a: 126; Chittenden. 1894: 101 (hosts); Leng & Hamilton, 1896: 127 (cat.); Beutenmuller, 1896: 79 (hosts); Wickham, 1898a: 38; Smith, 1900: 295 (distr.); Knaus, 1901: 112 (distr.); Ouellet, 1902: 122 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 27 (distr.); Townsend, 1903: 78 (distr.); Schaeffer, 1908a: 331 (distr.); Wickham, 1909a: 29 (distr.); Leng, 1910: 78 (distr.); Smith, 1910: 334; Fisher & Kirk, 1912: 314 (distr.); Casey, 1913: 318; Chagnon, 1917: 236 (distr.); Britton, 1920: 271 (distr.); Morris, 1920a: 74 (distr.); Craighead, 1923: 118, pls. (larva); Champlain, Kirk & Knull, 1925: 140; Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 452 (distr.); Fletcher, 1929: 259 (biol.); Beaulne, 1932: 220 (hosts); Knull, 1934: 211 (hosts); Brimley, 1938: 208 (distr.); Chagnon, 1938: 273; Hoffmann, 1942: 11 (hosts); Loding, 1945: 123 (distr.); Knull, 1946: 252, pl. 1, fig. 11; Fattig, 1947: 26 (distr.); Dillon, 1956c: 344; Chagnon & Robert, 1962: 273; Bayer & Shenefelt, 1969: 29, fig. 37; Gosling & Gosling, 1976: 28 (distr.); Laliberté, Chantal & LaRochelle, 1977: 94 (biol.); Turnbow & Franklin, 1980: 345 (distr.); Rice & Enns, 1981: 101 (distr., hosts); Gosling, 1984: 72 (hosts); 1986: 156 (hosts); Chemsak, Linsley & Noguera, 1992: 1542 (cat.); MacRae, 1993: 246 (distr.); Monné, M.A., & Giesbert, 1994: 253 (checklist); Linsley & Chemsak, 1995: 84; 1997: 391 (hosts); Monné, M.A., 1995a: 113 (cat.); Vlasák & Vlasakova. 2002: 215 (distr., hosts); Monné, M.A. & Hovore, 2006: 187 (checklist); MacRae & Rice, 2007: 253 (distr., hosts); Holt, 2013: 252 (distr.); Webster, 2016: 488 (distr.); Webster *et al*., 2016: 116 (distr., hosts); Webster, 2016: 488; Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 165, pl. 40

8. *Lepturges vogti* Hovore & Tyson, 1983

Type locality - Holotype male: United States, Texas: Duval County, 5 miles N. San Diego, (CASC) **Distribution** - United States (Texas), **Host plants** – *Yucca treculeana* (Carriére) Agavaceae.

Lepturges vogti Hovore & Tyson, 1983: 349; Hovore, Penrose & Neck, 1987: 319 (distr.); Chemsak, Linsley & Noguera, 1992: 342 (cat.); Monné, M.A., & Giesbert, 1994: 23

(checklist); Monné, M.A., 1995a: 114 (cat.); Linsley & Chemsak, 1995: 83; Monné, M.A. & Hovore, 2006: 187 (checklist)

9. *Lepturges (Lepturges) yucca* Schaeffer, 1905

Type locality - Lectotype: United States, Arizona: Cochise Co., Palmerlee. (USNM). **Distribution** - United States (Arizona), northern Mexico. **Host plants** - *Yucca* sp. (Agavaceae).

Lepturges yucca Schaeffer, 1905: 167; Dillon, 1956c: 344, pl. 1, fig. 7; Linsley, Knull & Statham, 1961: 30 (distr.); Lewis, 1979: 25; Chemsak, Linsley & Noguera, 1992: 142 (cat.); Monné, M.A., & Giesbert, 1994: 253 (checklist); Monné, M.A., 1995a: 114 (cat.); Linsley & Chemsak, 1995: 82; Noguera & Chemsak, 1996: 406 (cat.); Linsley & Chemsak, 1997: 391 (hosts); Monné, M.A., 2001: 20 (cat. hosts); Monné, M.A., 2005: 77 (cat.); Monné, M.A. & Hovore, 2006: 187 (checklist);Lingafelter *et al*., 2014: 347, figs. 186g, h (lect. designation).

Lepturges (Lepturges) yucca; Monné, M.L. & Monné, M.A., 2017: fig. 10 ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

Moneilema Say, 1824

Moneilema Say, 1824: 403; LeConte, 1859b: 187; Thomson, 1860: 24; 1864: 43; 1865: 363; 1867: 13; Lacordaire, 1869: 280; Bates 1880: 93; Hunter, Pratt & Mitchell, 1912: 43 (biol.); Casey, 1913: 281; Psota, 1930: 111 (rev.); Bradley, 1930: 243; Van Emden, 1939: 273 (larva); Breuning, 1950: 31, 151; Duffy, 1953: 239 (larva); Wilson, 1960: 52 (biol., control); Arnett, 1962: 870, 888; Mann, 1969: 91; Hatch, 1971: 148; Linsley Chemsak, 1985: 19; Monné, M.A., 1994a: 7 (cat.) ; Monné, M.A., 2005: 526 (cat.); Monné, M.A. & Hovore, 2006: 272 (checklist); Monné, M.A., 2012: 107; Haack, Keena & Eyre, 2017:88; Bousquet, Laplante, Hammond & Langor, 2017: 146; Monné, M.A., Santos-Silva, & Monné, M.L., 2020: 302, 322;

Monoilema; Chevrolat *in* D'Orbigny, 1846b: 326.

Monilema; LeConte, 1852: 167; 1853: 234; 1859c: 128; 1873a: 229; 1873b: 332 (syn.); LeConte & Horn, 1883: 316; Horn, 1885a: 180; Craighead, 1923: 103, pl. 29, fig. 5 (larva).

Monilema (Monilema); Horn, 1885a: 182; Leng & Hamilton, 1896: 104, 105.

Moneilema (Moneilema); Casey, 1913: 284; Psota, 1930: 112.

Type-species - *Moneilema annulatum* Say, 1824 (monotypy).

Collapteryx Newman, 1838: 397

Collapterix; Thomson, 1857c: 326.

Monilema (Collapteryx); Horn, 1885a: 183; Leng & Hamilton, 1896: 104, 105.

Moneilema (Collapteryx); Casey, 1913: 284; Psota, 1930: 112.

Type -species - *Collapteryx blapsides* Newman, 1838 (monotypy).

Omoscylon Thomson, 1867: 74; Lacordaire, 1869: 281.

Type-species - *Moneilema subrugosum* Bland, 1862 (subsequent designation, Lacordaire, 1869: 281).

Monoplesa Motschulsky, 1875: 144; Bradley, 1930: 243.

Type-species - *Monoplesa armigera* Motschulsky, 1875 (subsequent designation, Chemsak & Linsley, 1984: 19).

1. *Moneilema annulatum* (Say, 1824)

Syntypes localities - Syntypes: United States, Nebraska, Arkansas: near the Rocky Mountains and in the vicinity of the rivers Platte (Nebraska) and Arkansas (depository unknown.) **Distribution** - Canada (Saskatchewan and Alberta) to United States (Washington and Kansas to New Mexico). **Host plants** - *Opuntia phaeacantha* Engelmann, *O, polyacantha* Haworth (Cactaceae).

Moneilema annulata Say, 1824: 404

Monilema annulatum; LeConte, 1852: 167; 1853: 234; 1859b: 49; 1859c: 128; 1873a: 229; 1873b: 332; 1876: 520; Snow, 1877: 19 (distr.); 1878; 77; Popenoe, 1877: 33 (distr.); LeConte & Horn, 1883: 317; Snow, 1883: 42 (distr.); Wickham, 1899a: 8 (distr.); Snow, 1906: 180 (distr.); Fall & Cockerell, 1907: 193 (distr,);

Moneilema annulatum; Melsheimer, 1853: 107; LeConte, 1859b: 187; Thomson, 1860: 24; 1864: 43; 1867: 78; Lacordaire, 1869: 280; 1876: 33, pl. 97, fig. 2; Hunter, Pratt & Mitchell, 1912: 43 (distr.); Andrews, 1917: 3 (distr.); Dodd, 1929: 40; Beaulne, 1932: 203 (hosts); Smith & Kelly, 1940: 73; Turner & Costello, 1942; 424 (biol.); Breuning, 1950: 152; Alexander, 1958: 48; Mann, 1969: 101 (biol.); Kirk & Balsbaugh. 1975: 99 (distr.); Stein &Tagestad, 1976: 19; Furniss & Carolin, 1977: 309 (hosts); Linsley & Chemsak, 1985: 21 (syn.); Chemsak, Linsley & Noguera, 1992: 107 (cat.); Monné. M.A., 1994a: 8 (cat.); Monné, M.A., & Giesbert, 1994: 176 (checklist); Monné, M.A., 1995a: 35 (cat.); Linsley & Chemsak, 1997: 399 (hosts); Heffern, 1998: 19 (distr.); Monné, M.A. & Hovore, 2006: 273 (checklist); Bouchard, 2014: 534; Bousquet, Laplante, Hammond & Langor, 2017: 146, pl. 31; Monné, M.A., Santos-Silva, & Monné, M.L., 2020: 322, fig. 39

Monilema (Monilema) annulatum; Horn, 1885a: 182; Leng & Hamilton, 1896: 105;

Moneilama (Moneilema) annulata; Casey, 1913: 282; 1924: 287; Psota, 1930: 120, figs; Hatch, 1971: 148 (distr.)

Moneilema (Moneilema) rubecula Casey, 1913: 282; Lingafelter *et al*., 2014: 109, fig. 119 w (lectotype)

Type locality - Lectotype male: United States, Kansas: Hamilton County. (USNM)

Moneilema (Moneilema) rubecula demissa Casey, 1913; 282; Lingafelter *et al*., 2014: 109, fig. 120 a, (holotype)

Type locality - Holotype male: United States, Kansas. (USNM)

Moneilema (Moneilema) annulatum var. *montanum* Psota, 1930: 121, pls.; Chemsak, 1977a: 176 (lectotype)

Type locality - Lectotype male: United States, Montana, Jordan. (FMNH)

Moneilema (Moneilema) puncticolle Psota, 1930: 121 figs; Chemsak, 1977a: 177 (lectotype)

Type locality - Lectotype male: United States, Colorado: Walsenburg (FMNH)

Moneilema (Moneilema) angulatum Psota, 1930: 122; Hatch, 1971: 148 (distr.); Chemsak, 1977a: 176 (types)

Type locality - United States, Washington: Pullman. (FMNH)

Moneilema (Moneilema) hybridum Psota, 1930: 123, pl. 3, fig. 8; Chemsak, 1977a: 176 (types)

Type locality - Holotype male: United States, Colorado: Walsenburg. (FMNH)

2. *Moneilema appressum* LeConte, 1852

Type locality - Holotype male: United States, New Mexico. (MCZN). **Distribution** - United States (Arizona to Colorado and Texas), northern Mexico (Sonora). **Host plants** - *Cereus phoeniceus* Engelmann & Bigelow, *Opuntia arbuscula* Engelmann, *O. imbricata* de Candolle, *O. spinosior* Toumey, *O. versicolor* Engelmann ex Toumey (Cactaceae).

Monilema appressum LeConte, 1852: 168; 1858: 41 (distr.); 1859a: 21, pl. 2, fig. 7; 1859c: 128; 1873a: 229; LeConte & Horn, 1883: 317; Fall & Cockerell, 1907: 193 (distr.); Schaeffer, 1908a: 330 (distr.).

Moneilema appressum; Thomson, 1860: 24; 1867: 82; Lacordaire, 1869: 280; Bates, 1885: 336 (distr.); Raske, 1967: 240, fig. 2 (biol.); Linsley & Chemsak, 1985: 24 (syn.); Chemsak, Linsley & Noguera, 1992: 107 (cat.); M.A., & Giesbert, 1994: 176 (checklist); Monné. M.A., 1994a: 8 (cat.); Noguera & Chemsak, 1996: 404 (cat.); Linsley & Chemsak, 1997: 399 (hosts); Heffern, 1998: 19 (distr.); Monné, M.A., 2002: 23 (cat. hosts); Lingafelter, 2003: 57 (hosts); Monné, M.A., 2005: 527 (cat.); Smith & Farrell, 2005: 3049 (phylogeography); Monné, M.A. & Hovore, 2006: 273 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 484

Monilema (Monilema) appressum; Horn, 1885a: 182, 184; Leng & Hamilton, 1896: 105, 106.

Moneilema (Moneilema) appressa; Casey, 1913: 283.

Moneilema (Moneilema) appressum; Aurivillius, 1922a: 19 (cat.); Psota, 1930: 124, figs.

Moneilema appressa; Papp, 1959: 94; Linsley, Knull & Statham, 1961: 27, fig. 17 (distr.); Mann, 1969: 101.

Moneilema (Moneilema) microsticta Casey, 1913: 283; Lingafelter *et al*., 2014: 98, figs. 108u, v (holotype).

Type locality - Holotype male: United States, Arizona: Douglas. (USNM).

Moneilema (Moneilema) cylindricollis Casey, 1913: 283; Lingafelter *et al*., 2014: 49, figs. 52k, l (holotype).

Moneilema cylinricolle; Raske, 1967: 243 (error).

Type locality - Holotype male: United States, New Mexico: Luna. (USNM).

Moneilema (Moneilema) corrugans Casey, 1913: 284; Psota, 1930: 127, pl. 4, figs. 1-2; pl.11, figs. 5-6, pl. 12; Lingafelter *et al*., 2014: 46, figs. 48s, t (holotype).

Moneilema corrugans; Knaus, 1925a: 183 (distr.); Dodd, 1929: 40 (biol.); 1940: 87 (biol., control); Wilson, 1960: 53 (biol.); Linsley, Knull & Statham, 1961: 27 (distr.); Mann, 1969: 101 (biol.); Moran, 1980: 160 (biol.).

Type locality - Holotype female: United States, Arizona. (USNM).

Moneilema (Moneilema) corrugans ovipennis Casey, 1913: 284; Lingafelter *et al*., 2014: 46, figs. 48u, v (holotype).

Type locality - Holotype male: United States, Arizona. (USNM).

Moneilema corpulenta Knaus, 1925a: 183; Chemsak, 1977a: 176 (type).

Moneilema (Moneilema) corpulentum; Psota, 1930: 129, pl. 3, figs. 4-5.

Type locality - Holotype female: United States, Arizona: Globe. (FMNH).

Moneilema (Moneilema) nigriventris Fisher, 1926b: 214; 1928: 4; Psota, 1930: 122, pl. 1, fig. 8; Lingafelter *et al*., 2014: 106, figs. 117k, l (holotype).

Moneilema nigriventris; Dodd, 1929: 40; Mann, 1969: 102.

Type locality - Holotype male: United States, United States, Texas: Panhandle (between Dumas and Stratford). (USNM).

Moneilema (Moneilema) vittata Fisher, 1928: 3; Duffy, 1960: 179 (hosts); Lingafelter *et al*., 2014: 345, figs. 183e, f (holotype).

Moneilema vittata; Mann, 1969: 103.

Type locality - Holotype male: Mexico, Aguascalientes. (USNM).

Moneilema (Moneilema) parahybrida Psota, 1930: 124, pl. 3, fig. 9, pl. 13, fig. 2; Chemsak, 1977a: 177 (type).

Moneilema parahybrida; Leng & Mutchler, 1933: 42 (cat.).

Moneilema (Moneilema) paralhybridum; Breuning, 1961a: 304 (cat., error).

Type locality - Holotype male: United States, New Mexico: Delia. (FMNH).

Moneilema (Moneilema) appressum var. *scabrum* Psota, 1930: 125, pl. 4, fig. 3, pl. 13, fig. 1; Chemsak, 1977a: 177 (type).

Moneilema appressum scabrum; Leng & Mutchler, 1933: 42 (cat.).

Type locality - Lectotype female: United States, New Mexico: Santa Fe. (FMNH).

Moneilema (Moneilema) rinconi Psota, 1930: 126, pl. 2, fig. 4, pl. 4, fig. 5; Chemsak, 1977a: 177 (lect.).

Moneilema rinconi; Leng & Mutchler, 1933: 42 (cat.); Raske, 1967: 243.

Type locality - Lectotype male: United States, New Mexico: Rincon. (FMNH).

Moneilema (Moneilema) alpinum Psota, 1930: 126, pl. 4, fig. 6; Chemsak, 1977a: 176 (type).

Type locality - Holotype male: United States, New Mexico: Albuquerque. (FMNH).

Moneilema (Moneilema) texanum Psota, 1930: 127, pl. 4, fig. 7; Chemsak, 1977a: 177 (type).

Moneilema texanum; Leng & Mutchler, 1933: 42 (cat.).

Type locality - Holotype male: United States, Texas: Alpine. (FMNH).

Moneilema (Moneilema) corrugans var. *arizonicum* Psota, 1930: 128, pl. 3, fig. 6; Chemsak, 1977: 176 (type).

Moneilema corrugans arizonicum; Leng & Mutchler, 1933: 42 (cat.).

Type locality - Holotype male: United States, Arizona: Huachuca Mts. (FMNH).

Moneilema (Moneilema) duncani Psota, 1930: 128; Chemsak, 1977a: 176 (lect.).

Moneilema duncani; Leng & Mutchler, 1933: 42 (cat.).

Type locality - Lectotype male: United States, Arizona: Gila Co., base of Pinal Mts. (FMNH).

3. *Moneilema armatum* LeConte, 1853

Type locality - Holotype: United States, Texas. (MCZN). **Distribution** - United States (Colorado and Kansas) to north central Mexico (Coahuila, Tamaulipas). **Host plants** - *Astrophytum asterias* (Zuccarini) Lemaire, *Homalocephala texensis* Britton & Rose, *Marginatocereus marginatus* (de Candolle) Beckeberg, *Opuntia arborescens* Engelmann, *O. arbuscula* Engelmann, *O. engelmanni* Salm-Dyck, *O. imbricata* de Candolle, *O. leptocaulis* de Candolle, *O. lindheimeri* Engelmann, *O. macrocentra* Engelmann, *O. megacantha* Salm-Dyck, *O. robusta* Wendland, *O. spinosior* Toumey, *O. violacea* Engelmann, *Platyopuntia* sp. (Cactaceae).

Monilema armatum LeConte, 1853: 234; 1858: 41 (distr.); 1859c: 128, pl. 13, fig. 2; 1873a: 229; LeConte & Horn, 1883: 317; Wickham, 1902: 283.

Moneilema armatum; Thomson, 1867: 78; Bates, 1885: 336 (distr.); Dodd, 1927: 34 (biol., control); Vogt, 1949: 178 (distr., hosts); Raske, 1967: 240 (biol.); Linsley & Chemsak, 1985: 32, fig. 10; MacKay, Zak & Hovore, 1987: 365 (biol.); Hovore, Penrose & Neck, 1987: 309 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 107 (cat.); Monné. M.A., 1994a: 10 (cat.); Monné, M.A., & Giesbert, 1994: 177 (checklist); Noguera & Chemsak, 1996: 404 (cat.); Linsley & Chemsak, 1997: 399 (hosts); Heffern 1998: 19 (distr.); Monné, M.A., 2002: 24 (cat. hosts); Monné, M.A., 2005: 529 (cat.); Smith & Farrell, 2005: 1025 (biol., distr.); Monné, M.A. & Hovore, 2006: 273 (checklist); Ferguson & Williamson, 2009: 218 (hosts); García

Morales *et al*., 2015: 109 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 483

Monilema (Collapteryx) armatum; Horn, 1885a: 186; Leng & Hamilton, 1896: 105, 106.

Moneilema armata; Casey, 1891: 45; Dodd, 1929: 57 (biol., control); 1940: 57 (biol., control); Huffaker, 1959: 265; Wilson, 1960: 52 (biol., control); Mann, 1969: 97.

Moneilema (Collapteryx) armata; Casey, 1913: 290.

Moneilema (Collapteryx) armatum; Aurivillius, 1922a: 20 (cat.); Psota, 1930: 131, pl. 5, figs. 4-9, pls 6, 15, 17.

Monilema crassum LeConte, 1853: 234; 1858: 41 (distr.); 1859c: 128; 1873a: 230; Snow, 1883: 42 (distr.); Schwarz, 1896: 48 (biol.); Knaus, 1905b: 219 (distr.); Fall & Cockerell, 1907: 193 (distr.).

Omoscylon crassum; Thomson, 1867: 75; Lacordaire, 1869: 281.

Monilema (Collapteryx) crassum; Horn, 1885a: 184, 189; Leng & Hamilton, 1896: 106, 107.

Moneilema (Collapteryx) crassa; Leng, 1920: 281 (cat.); Fisher, 1931: 198; Fullaway, 1954: 698.

Moneilema crassa; Hamlin, 1926: 104 (biol.); 1932: 114 (biol.); Dodd, 1929: 40 (biol., control); Moore, 1937: 91 (distr.); Dodd, 1940: 86 (biol., control); Huffaker, 1959: 265 (biol.); Wilson, 1960: 52 (biol.); Mann, 1969: 102 (biol.); Moran, 1980: 160 (biol.).

Moneilema (Moneilema) crassum; Psota, 1930: 140, pl. 13, figs. 3, 4.

Type locality - Holotype: United States, Texas. (MCZN).

Monilema laevigatum Bland, 1862: 267; Thomson, 1867: 82; LeConte, 1873a: 230; Horn, 1880b: xi; Snow, 1883: 42 (distr.); Wickham, 1902: 283; Fall & Cockerell, 1907: 193 (distr.).

Monilema (Collapteryx) laevigatum; Horn, 1885a: 183, 185; Leng & Hamilton, 1896: 105, 106.

Moneilema (Collapteryx) laevigata; Casey, 1913: 289; Psota, 1930: 132.

Moneilema laevigata; Dodd, 1927: 34 (biol., control); 1929: 40 (biol., control); 1940: 57 (biol., control); Papp, 1959: 94; Wilson, 1960: 53 (biol.); Mann, 1969: 98 (biol.).

Type locality - Lectotype: United States, Kansas. (ANSP).

Moneilema (Collapteryx) simplicicornis Casey, 1913: 286; Lingafelter *et al*., 2014: 320, figs. 156a, b (holotype).

Moneilema (Collapteryx) armata simplicicornis; Leng, 1920: 281 (cat.).

Type locality - Holotype male: United States, New Mexico. (USNM).

Moneilema (Collapteryx) simplicicornis grylliceps Casey, 1913: 287; Lingafelter *et al*., 2014: 320, figs. 156c, d (holotype).

Moneilema (Collapteryx) armata grylliceps; Leng, 1920: 281 (cat.).

Moneilema (Collapteryx) grylliceps; Aurivillius, 1922a: 20 (cat.).

Type locality - Holotype female: United States, New Mexico. (USNM).

Moneilema (Collapteryx) rector Casey, 1913: 287; Lingafelter *et al*., 2014: 308, figs. 142m, n (lect. designation).

Moneilema (Collapteryx) armata rector; Leng, 1920: 281 (cat.).

Type locality - Lectotype male: United States, Texas. (USNM).

Moneilema (Collapteryx) solida Casey, 1913: 288; Lingafelter *et al*., 2014: 321, figs. 157g, h (lect. designation).

Moneilema (Collapteryx) laevigata solida; Leng, 1920: 281 (cat.).

Moneilema (Collapteryx) solidum; Aurivillius, 1922a: 20 (cat.).

Type locality - Lectotype male: United States, Texas: El Paso. (USNM).

Moneilema (Collapteryx) femoralis Casey, 1913: 288; Lingafelter *et al*., 2014: 61, figs. 65k, l (holotype).

Moneilema (Collapteryx) laevigata femoralis; Leng, 1920: 281 (cat.).

Moneilema (Collapteryx) femorale; Aurivillius, 1922a: 20 (cat.).

Type locality - Holotype male: United States, Western Texas.

Moneilema (Collapteryx) obesa Casey, 1924: 287; Lingafelter *et al*., 2014: 109, figs. 120m, n (holotype).

Moneilema obesa; Leng & Mutchler, 1927: 42 (cat.).

Type locality - Holotype male: United States, Texas. (USNM).

Moneilema (Collapteryx) convexa Casey, 1924: 289; Lingafelter *et al*., 2014: 45, figs. 47w, x (holotype).

Moneilema convexa; Leng & Mutchler, 1927: 42 (cat.).

Type locality - Holotype male: United States, Texas: Bethage. [according to Frank Hovore, personal communication, Bethage is a misspelling of the name of the collector, Gustav Belfrage] (USNM).

Moneilema (Collapteryx) rugosipennis Fisher, 1928: 2; Duffy, 1960: 179 (hosts); Mann, 1969: 97; Lingafelter *et al*., 2014: 313, figs. 147q, r (holotype).

Moneilema rugosipennis; Dodd, 1929: 40 (biol., control); 1940: 57 (biol., control); Wilson, 1960: 53.

Type locality - Holotype male: Mexico, San Luís Potosí. (USNM).

Moneilema (Collapteryx) isolatum Psota, 1930: 132; Chemsak, 1977a: 177 (lect.).

Moneilema isolatum; Leng & Mutchler, 1933: 42 (cat.).

Type locality - Lectotype male: United States, New Mexico: Rio Grande. (FMNH).

Moneilema (Collapteryx) punctatum Psota, 1930: 133, pl. 14; Chemsak, 1977a: 177 (lect.).

Moneilema punctatum; Leng & Mutchler, 1933: 42 (cat.).

Type locality – Lectotype male: United States, Texas: Bethage. [according to Frank Hovore, personal communication, Bethage is a misspelling of the name of the collector, Gustav Belfrage] (FMNH).

Moneilema (Collapteryx) walsenburgi Psota, 1930: 140, pl. 8, figs. 1,2, pl. 13, figs. 5, 6; Chemsak, 1977a: 177 (lect.).

Moneilema walsenburgi; Leng & Mutchler, 1933: 42 (cat.).

Type locality - Lectotype male: United States, Colorado: Walsenburg. (FMNH).

4a. *Moneilema blapsides blapsides* (Newman, 1838)

Type locality - Holotype: Mexico. (BMNH). **Distribution** - United States (southcentral Texas) to Mexico (Durango, Mexico, Tamaulipas). **Host plants** - *Opuntia streptacantha* Lemaire (Cactaceae).

Collapteryx blapsides Newman, 1838: 397; Chevrolat, 1861: 188 (syn.);

Moneilema blaspoides; Thomson, 1860: 24 (error).

Moneilema blapsides; Thomson, 1867: 82; Lacordaire, 1869: 281; Bates, 1880a: 94; Mann, 1969: 102; Linsley & Chemsak, 1985: 36; Chemsak, Linsley & Noguera, 1992: 108 (cat.).

Moneilema blapsides blapsides; Linsley & Chemsak, 1985: 36; Monné, M.A., 1994a: 12 (cat.) ; Noguera & Chemsak, 1996: 404; Monné, M.A., 2002: 26 (cat. hosts); Monné, M.A., 2005a: 530 (cat.); García Morales *et al*., 2015: 109 (distr.) ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

4b. *Moneilema blapsides ulkei* Horn, 1885

Syntypes locality - Syntypes male and female: United States, Texas: Dimmit Co. (ANSP). **Distribution** - United States (southcentral Texas) to Mexico (southern Tamaulipas). **Host plants** - *Echinocereu vierecki* Wedermann, *Nopalea dejecta* Salm-Dyck, *Opuntia lindheimeri* Engelmann, *O. streptacantha* Lemaire, *O. stricta* (Haworth) Haworth (Cactaceae).

Monilema (Collapteryx) ulkei Horn, 1885a: 184, 188; Leng & Hamilton, 1896: 106, 107.

Monilema ulkei; Schaeffer, 1908a: 328 (distr.); Peck, 1963: 955 (paras.).

Moneilema ulkei; Hunter, Pratt & Mitchell, 1912: 13 (biol., hosts); Dodd, 1927: 52 (biol., control); 1936: 207 (biol., control); Gahan, 1936: 485 (paras.); Dodd, 1940: 62 (biol., control); Thompson, 1943: 78 (paras.); Vogt, 1949: 179 (biol.); Lepesme, 1950: 588; Huffaker, 1959: 264 (biol.); Wilson, 1960: 53 (biol.); Mann, 1969: 93 (biol.); Goeden, 1978: 374 (biol.).

Moneilema (Collapteryx) ulkei; Leng, 1920: 281 (cat.); Psota, 1930, 137, pl. 9, figs. 1-3, pl. 22, figs. 3-6; Fisher, 1931: 200.

Moneilema blapsides ulkei; Linsley & Chemsak, 1985: 37, fig. 8 (syn.); Hovore, Penrose & Neck, 1987: 309, fig. 8 (distr.); Chemsak, Linsley & Noguera, 1992: 108 (cat.); Monné. M.A., 1994a: 12 (cat.); Monné, M.A., & Giesbert, 1994: 177 (checklist); Noguera & Chemsak, 1996: 404 (cat.); Linsley & Chemsak, 1997: 399 (hosts); Monné, M.A., 2002: 26 (cat. hosts); Monné, M.A., 2005: 530 (cat.); Monné, M.A. & Hovore, 2006: 273 (checklist); García

Morales *et al*., 2015: 109 (distr., host); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

Moneilema (Collapteryx) pleuralis Casey, 1913: 287; Lingafelter *et al*., 2014: 301, figs. 134g, h (holotype).

Moneilema pleuralis; Chemsak, Linsley & Noguera, 1992: 108 (cat.); Noguera & Chemsak, 1996: 404 (cat.).

Type locality - Holotype female: Mexico, Ciudad de Durango. (USNM).

Moneilema (Collapteryx) mundelli Fisher, 1931: 200; Lingafelter *et al*., 2014: 103, figs. 113q, r (holotype).

Moneilema mundelli; Mann, 1969: 103; Hovore, Penrose & Neck, 1987: 310, fig. 8.

Type locality - Holotype male: Mexico, Tamaulipas: González. (USNM).

5. *Moneilema gigas* LeConte, 1873

Syntypes locality - Syntypes: United States, Arizona. (MCZN). **Distribution** - United States (Utah) to Mexico (Baja California, Sinaloa, Sonora). **Host plants** - *Opuntia fulgida* Engelmann (Cactaceae).

Monilema gigas LeConte, 1873a: 230.

Monilema (Collapteryx) gigas; Horn, 1885a: 183, 185; Leng & Hamilton, 1896: 105, 106.

Moneilema gigas; Casey, 1891: 46; Dodd, 1927: 34 (biol., control); 1929: 40 (biol., control); Linsley, 1934a: 61 (distr.); Dodd, 1940: 86 (biol., control); Papp, 1959: 94; Wilson, 1960: 52 (biol.); Raske, 1967: 243; Mann, 1969: 99; Tanner & Tanner, 1974: 220 (distr.); Linsley & Chemsak, 1985: 26, fig. 8; Crosswhite, C. D. & Crosswhite, F.S., 1985: 195 (biol.); Hovore, 1988: 28 (distr.); Chemsak, Linsley & Noguera, 1992: 108 (cat.); Monné. M.A., 1994a: 12 (cat.); Monné, M.A., & Giesbert, 1994: 177 (checklist); Noguera & Chemsak, 1996: 404 (cat.); Linsley & Chemsak, 1997: 399 (hosts); Monné, M.A., 2002: 26 (cat. hosts); Monné, M.A., 2005: 531 (cat.); Smith & Farrell, 2005: 1025 (biol., distr.); Monné, M.A. & Hovore, 2006: 273 (checklist); Noguera *et al.*, 2009: 89 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

Moneilema (Collapteryx) gigas; Casey, 1913: 290; Psota, 1930: 130, pl. 5, figs. 1-3, pl. 19; Linsley, 1942: 68.

Moneilema spinicollis Casey, 1891: 45; Lingafelter *et al*., 2014: 322, figs. 158i, j (lect. designation).

Moneilema (Collapteryx) spinicollis; Casey, 1913: 286.

Moneilema (Collapteryx) gigas spinicollis; Leng, 1920: 281 (cat.).

Type locality - Lectotype male: United States, Arizona. (USNM).

Moneilema (Collapteryx) constricta Casey, 1913: 285; Lingafelter *et al*., 2014: 45, figs. 47g, h (holotype).

Moneilema (Collapteryx) gigas constricta; Leng, 1920: 281 (cat.).

Type locality - Holotype male: United States, Arizona. (USNM).

Moneilema (Collapteryx) pimalis Casey, 1913: 285; Lingafelter *et al*., 2014: 300, figs. 132q, r (holotype).

Moneilema (Collapteryx) gigas pimalis; Leng, 1920: 281 (cat.).

Type locality - Holotype female: United States, Arizona: Tucson. (USNM).

Moneilema (Collapteryx) uteana Casey, 1913: 285; Lingafelter *et al*., 2014: 339, figs. 177i, j (holotype).

Moneilema (Collapteryx) gigas uteana; Leng, 1920: 281 (cat.).

Type locality - Holotype male: United States, Utah. (USNM).

Moneilema (Collapteryx) pollens Casey, 1913: 286; Lingafelter *et al*., 2014: 302, figs. 134w, x (holotype).

Moneilema (Collapteryx) gigas pollens; Leng, 1920: 281 (cat.).

Moneilema (Collapteryx) pallens; Aurivillius, 1922a: 20 (cat., error).

Moneilema pollens; Dodd, 1929: 40 (biol., control); Mann, 1969: 100 (biol.).

Type locality - Holotype male: United States, Arizona. (USNM).

Moneilema giganteum Craighead, 1923: 103.

Type locality - Holotype: United States, Arizona: near Tucson. (USNM).

Moneilema (Collapteryx) plectralis Casey, 1924: 286; Lingafelter *et al*., 2014: 301, figs. 134e, f (holotype).

Moneilema plectralis; Leng & Mutchler, 1927: 42 (cat.).

Type locality - Holotype male: United States, Arizona: near Tucson. (USNM).

Moneilema (Collapteryx) colossus Casey, 1924: 289; Lingafelter *et al*., 2014: 43, figs. 44o, p (holotype).

Moneilema colossus; Leng & Mutchler, 1927: 42 (cat.).

Type locality - Holotype female: United States, Arizona: near Tucson. (USNM).

6. *Moneilema semipunctatum* LeConte, 1852

Type locality - Holotype: United States, California: Vallecitas. (MCZN). **Distribution** - Great basin from northern Idaho to northern Baja California. **Host plants** - *Cylindropuntia bigelovii* (Engelman) F. M. Knuth, *Opuntia acanthocarpa* Engelmann & Bigelow, *O. basilaris* Engelmann & Bigelow, *O. echinocarpa* Engelmann & Bigelow, *O. erinaceae* Engelmann & Bigelow, *O. parryi* Engelmann, *O. whipplei* Engelmann & Bigelow, *Sclerocactus wrightiae* L. Benson (Cactaceae).

Monilema semipunctatum LeConte, 1852: 167; 1853: 234; 1859c: 128; 1873a: 229; Leng, 1885: 136; Horn, 1894: 339 (distr.); Garnett, 1918: 281 (distr.).

Moneilema semipunctatum; Melsheimer, 1853: 107 (cat.); Thomson, 1860: 24; 1867: 78; Lacordaire, 1869: 280; Linsley, 1934a: 61 (distr.); Raske, 1967: 243; Lewis, 1979: 24 (distr.); Linsley & Chemsak, 1985: 29, figs. 9, 10; Hovore, 1988: 28 (distr.); Chemsak, Linsley & Noguera, 1992: 108 (cat.); Monné. M.A., 1994a: 14 (cat.); Monné, M.A., & Giesbert, 1994: 177 (checklist); Noguera & Chemsak, 1996: 404 (cat.); Linsley & Chemsak, 1997: 399 (hosts); Heffern, 1998: 19 (distr.); Kass, 2001: 495 (biol.); Monné, 2002: 27 (cat. hosts); Monné, M.A., 2005: 533 (cat.); Monné, M.A. & Hovore, 2006: 273 (checklist); Rice, MacRae & Merickel, 2017: 671 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

Monilema (Collapteryx) semipunctatum; Horn, 1885a: 183, 185; Leng & Hamilton, 1896: 105, 106.

Moneilema (Callepteryx) semipunctatum; Psota, 1930: 134; Linsley, 1942: 66.

Monilema forte LeConte, 1873a: 230.

Monilema (Collapteryx) forte; Horn, 1885a: 183, 187; Leng & Hamilton, 1896: 106, 107.

Moneilema (Collapteryx) fortis; Casey, 1913: 290.

Moneilema (Collapteryx) forte; Leng, 1920: 281 (cat.); Psota, 1930: 136, pl. 7, figs. 1, 2; Linsley, 1942: 68.

Type locality - Holotype male: United States, Arizona. (MCZN).

Monilema obtusum LeConte, 1873a: 230.

Monilema (Collapteryx) obtusum; Horn, 1885a: 183, 187; Leng & Hamilton, 1896: 105, 106.

Moneilema (Collapteryx) obtusa; Leng, 1920: 281 (cat.).

Moneilema (Collapteryx) obtusum; Aurivillius, 1922a: 20 (cat.); Psota, 1930: 134, pl. 7, fig. 7.

Moneilema obtusa; Dodd, 1929: 40 (biol., control); Knowlton, 1934: 86 (distr.); Dodd, 1940: 87 (biol., contr.); Wilson, 1960: 53 (biol.); Mann, 1969: 100 (biol.).

Type locality - Holotype: United States, Utah. (MCZN).

Monoplesa armigera Motschulsky, 1875: 146.

Moneilema (Collapteryx) armigera; Breuning, 1961a: 306 (cat.).

Type locality - Holotype: United States, California: Nova-Helvetia [Sacramento]. (ZMUM).

Monoplesa scabra Motschulsky, 1875: 146.

Moneilema (Collapteryx) scabra; Breuning, 1961a: 306 (cat.).

Syntypes locality - Syntypes male and female: United States, California: Nova-Helvetia [Sacramento]. (ZMUM).

Monilema (Collapteryx) spoliatum Horn, 1885a: 186; Leng & Hamilton, 1896: 105, 107.

Monilema spoliatum; Henshaw, 1885: 102; Horn, 1894: 339 (distr.); Fall, 1901: 150 (distr.); Garnett, 1918: 281 (distr.).

Moneilema spoliatum; Hunter, Pratt & Mitchell, 1912: 78 (biol.); Davis, A. C., 1931: 187 (biol.); Moore, 1937: 91 (distr.).

Moneilema (Collapteryx) spoliata; Leng, 1920: 281 (cat.).
Moneilema (Collapteryx) spoliatum; Aurivillius, 1922a: 20 (cat.); Psota, 1930: 135, pl. 7, figs. 3-6, pl. 20; Linsley, 1942: 68.
Moneilema spoliata; Dodd, 1929: 40 (biol., control); Mann, 1969: 100 (biol.).
Type locality - Holotype female: Peninsula of California, near the northern boundary. (ANSP).
Moneilema (Collapteryx) shantzei Casey, 1924: 286; Tanner, 1928: 277 (distr.); Lingafelter *et al*., 2014: 319, figs. 154g, h (holotype).
Moneilema shantzei; Leng & Mutchler, 1927: 42 (cat.).
Type locality - Holotype male: United States, Utah. (USNM).

Pseudastylopsis Dillon, 1956

Pseudastylopsis Dillon, 1956b: 220; Monné, M. A., 1995a: 105 (cat.); Linsley & Chemsak, 1995: 124; Monné, M.A., 2005: 123 (cat.); Monné, M.A. & Hovore, 2006: 195 (checklist); Monné, M.A., 2012: 74 ; Monné, M.A., Santos-Silva & Monné, M.L., 2020 : 303, 325
Pseudostylopsis; Arnett, 1962: 872, 891 (error); Hatch, 1971: 147.
Type-species - *Leptostylus nebulosus* Horn, 1880 (original designation).

1. *Pseudastylopsis nebulosus* (Horn, 1880)

Type locality - Holotype male: United States, Western Nevada. (ANSP). **Distribution** - Southern Oregon to southern Sierra Nevada, California and western Nevada. **Host plants** - *Abies concolor* Gordon & Glen, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae)
Leptostylus nebulosus Horn, 1880a: 121; Lameere, 1883: 64 (cat.); Leng & Hamilton, 1896: 118; Garnett, 1918: 282 (distr.); Craighead, 1923: 115 (larva); Beaulne, 1932: 220 (hosts); Doane *et al*., 1936: 189; Keen, 1952: 176 (hosts)
Pseudastylopsis nebulosus; Dillon, 1956b: 220; Tyson, 1966: 204 (hosts); Hatch, 1971: 151; Furniss & Carolin, 1977: 313 (biol.); Chemsak, Linsley & Noguera, 1992: 144 (cat.); Linsley & Chemsak, 1985: 125, fig. 22; 1997: 420 (hosts); Monné, M.A., & Giesbert, 1994: 261 (checklist); Monné, M. A., 1995a: 105 (cat.); Monné, M.A. & Hovore, 2006: 195 (checklist); Monné, M.A., Santos-Silva & Monné, M.L., 2020 : 326, figs 49, 50

2. *Pseudastylopsis nelsoni nelsoni* Linsley & Chemsak, 1995

Type locality - Holotype male: United States, Arizona: Rustlers Peak, Chiricahua Mts. (CACS). **Distribution** – United States (Arizona). **Host plants** - *Pinus ponderosa* Douglas ex Lawson & P. Lawson (Pinaceae)
Pseudastylopsis nelsoni Linsley & Chemsak, 1995: 127
Pseudastylosis nelsoni nelsoni; Monné, M.A., & Giesbert, 1995: 269 (checklist); Linsley & Chemsak,1995: 127; 1997: 426 (hosts); Monné, M.A. & Hovore, 2006: 195 (checklist);

3. *Pseudastylopsis pini* (Schaeffer, 1905)

Syntypes locality - Syntypes: United States, Arizona: Huachuca Mts (Carr's Peak). (USNM). **Distribution** - United States (Arizona, Texas) to Mexico (Durango). **Host plants** - *Pinus* sp. (Pinaceae).
Leptostylus pini Schaeffer, 1905: 165; 1908a: 330 (distr.); Craighead, 1923: 116 (larva); Lingafelter *et al*., 2014: 300, figs. 132s, t (holotype).
Astylopsis pini; Leng, 1920: 282 (cat.).
Pseudastylopsis pini; Dillon, 1956b: 221; Linsley, Knull & Statham, 1961: 29 (distr.); Chemsak, Linsley & Noguera, 1992: 144 (cat.);.); Monné, M.A., & Giesbert, 1994: 261 (checklist); Monné. M.A., 1995a: 105 (cat.)?; Linsley & Chemsak, 1995: 128, fig. 23; Noguera & Chemsak, 1996: 407 (cat.); Linsley & Chemsak, 1997: 426 (hosts); Monné, M.A., 2001: 30 (cat. hosts); Monné, M.A., 2005: 123 (cat.); Monné, M.A. & Hovore, 2006: 195 (checklist); Lingafelter *et al*., 2014 : 300, fig. 132s (holotype) ;
Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

Sternidius LeConte, 1873

Sternidius LeConte, 1873a: 234; Dillon, 1956b: 208; Dillon & Dillon, 1961: 640; Arnett, 1962: 872, 891; Zayas, 1975: 264; Lewis, 1977: 171; 1986: 171 (rev.); Monné, M.A. & Hovore, 2006: 196 (checklist); Bousquet, 2007: 622 (syn.); Monné, M.A., 2012: 75 ; Monné, M.A., Santos-Silva & Monné, M.L., 2020 : 304, 328

Type-species - *Lamia alpha* Say, 1827 (subsequent designation, Dillon, 1956b: 208).

Liopinus Linsley & Chemsak, 1995: 88; Monné, M. A., 1995a: 79 (cat.); Monné, M.A., 2005: 81 (cat.); Monné, M.A. & Hovore, 2006: 188 (checklist)

Type-species - *Lamia alpha* Say, 1826 (original designation).

Amniscus Haldeman, 1847a: 46 (*partim*).

Leiopus; Haldeman, 1847a: 50; Thomson, 1860: 12; 1864: 26; Lacordaire, 1872: 775 (*partim*); Casey, 1913: 310; Bradley, 1930: 246; Chagnon, 1938: 272; Knull, 1946: 248; Chagnon & Robert, 1962: 272.

Liopus; LeConte, 1852: 170; Horn, 1880a: 123; LeConte & Horn, 1883: 324; Leng & Hamilton, 1896: 121 (*partim*); Wickham, 1897a: 202; 1898a: 37; Blatchley, 1910: 1073 (*partim*).

1. *Sternidius alpha* (Say, 1826)

Syntypes localities - Syntypes: United States, Pennsylvania. Northwestern Territory. (depository unknown). **Distribution** - United States (California, Arizona, Idaho, Colorado, to eastern seaboard, south to Florida). Canada, southern Quebec to the Lake of the Woods area in northwestern Ontario. **Host plants** - *Acer negundo* Linnaeus, *A, rubrum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Rhus copallina* Linnaeus, *R. glabra* Linnaeus, *R. hytra* Linnaeus, *R. radicans* Linnaeus, *R. typhina* Turner (Anacardiaceae), *Alnus rugosa* Sprengel, *Betula nigra* Linnaeus (Betulaceae), *Gleditschia triacanthos* Linnaeus, *Gymnocladus dioica* (Linnaeus) Koch (Caesalpiniaceae), *Celtis laevigata* Willdenow, *C. occidentalis* Linnaeus, *C. tenuifolia* Nuttall (Cannabaceae). *Celastrus scandens* Linnaeus (Celastraceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Robinia pseudoacacia* Linnaeus, *Wisteria floribunda* (Willdenow(de Candolle (Fabaceae), *Quercus coccínea* Munchausen, *Q, rubra* Linnaeus, *Q. velutina* Lamarck, *Quercus marilandica* (Fagaceae), *Carya glabra* (Miller) Sweet, *C. illinoinensis* (Wagenheim) K. Koch, *C. ovata* (Miller) Koch, *Juglans nigra* Linnaeus (Juglandaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae); *Maclura pomifera* (Rafinesque) C. Schneider, *Morus alba* Linnaeus, *M. rubra* Linnaeus (Moraceae), *Amelancher arborea* (Michaux fils) Fernald (Rosaceae), *Zanthoxylum americanum* Miller, *Z. fagara* (Linnaeus) Sargent (Rutaceae), *Ulmus americana* Linnaeus (Ulmaceae).

Lamia alpha Say, 1826: 270; LeConte, 1859b: 329

Amniscus alpha; Haldeman, 1847a: 48

Liopus alpha; LeConte, 1852: 172; Bland, 1861: 98 (distr.,hosts); Horn, 1880a: 124; Harrington, 1884b: 48 (hosts); 1884c: 102 (distr.); Townsend, 1893: 203 (distr.); Hopkins, 1893: 196 (biol.); Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 124 (cat.); Beutenmuller, 1896: 79 (hosts); Wickham, 1898a: 37; Smith, 1900: 294 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 27 (distr.); Felt, 1906: 481, fig. 121 (biol.); Schaeffer, 1908a: 328 (distr.); Wickham, 1909a: 29 (distr.); Leng, 1910: 78 (distr.); Blatchley, 1910: 1074; Fisher & Kirk, 1912: 314 (distr.); Johnson, 1916: 119 (distr.); Chagnon, 1917: 236 (distr.); Dozier, 1918: 335 (distr.); Nicolay, 1919: 70 (distr.); Morris, 1920a: 75 (distr.); Rosewall, 1920: 203 (hosts); Craighead, 1921: 215; Beaulne, 1932: 220 (hosts)

Leptostylus alpha; Melsheimer, 1853: 108 (cat.);

Leiopus alpha; White, 1855: 388; Packard, 1872: 498 (biol.); Lacordaire, 1872: 776; Casey, 1913: 314; Britton, 1920: 271 (distr.); Leng, 1920: 282; Blackman & Stage, 1924: 116; Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 452 (distr.). Frost & Dietrich, 1929: 436 (distr.); Chagnon, 1938: 272, pl. 18, fig. 12; Brimley, 1938: 218 (distr.); Hoffmann, 1940: 79 (biol.); Wray & Brimley, 1943: 130 (distr.); Loding, 1945: 123 (distr.); Procter, 1946: 183 (distr.); Knull, 1946: 250; Fattig, 1947: 36 (distr.); Papp, 1955: 219 (distr.); Chagnon & Robert, 1962: 272, pl. 13, fig. 22;

Sternidius alpha: LeConte, 1873b: 335; Popenoe, 1877: 34 (distr.); Snow, 1878: 76 (distr.); Riley, 1880a: 270 (hosts); Lameere, 1883: 65 (cat.); Riley & Howard, 1890: 59 (paras.); Dillon & Dillon, 1961: 640, pl. 53; Bayer & Shenefelt, 1969: 29, fig. 37; Stein & Tagestad, 1976: 40; Gosling & Gosling, 1976: 26 (distr.); Laliberté, Chantal & LaRochelle, 1977: 99; Headstrom, 1977: 37; Lewis, 1986: 188, figs 11, 14 (syn); Chemsak, Linsley & Noguera. 1992: 145 (cat.); MacRae, 1993: 245 (distr., hosts); Bousquet, 2008: 622; Guarnieri, 2009: 20 (distr.); Raje, Ferris & Holland, 2012: 333; Holt, 2013: 252 (distr.);

Liopinus alpha; Linsley & Chemsak, 1995: 102 (syn.); Monné, M.A., 1995a: 79 (cat.); Monné,M.A., & Giesbert, 1995: 261 (cat.); Yanega, 1996: 136, pl. 27, figs 309; Krinsky & Godwin, 1996: 239; Linsley & Chemsak, 1997: 391 (hosts); Heffern, 1998: 21 (distr., hosts); Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 123 (distr.); Vlasák & Vlasakova, 2002: 215 (distr., hosts); Westcott *et al*., 2006: 10 (distr., hosts); Monné, M.A. & Hovore, 2006: 188 (checklist) MacRae & Rice, 2007: 253 (distr., hosts); Guarnieri, 2010: 24 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 157, pl. 39; Klingeman *et al*., 2017: 298 (distr.); Steury, 2019:30 (distr.); Monné, M.A., Santos-Silva & Monné, M.L., 2020 : 328 ; Maier, 2020 : 86 (hosts) ; Vlasak & Vlasakova, 2021 : 4, 21, fig. 26

Amniscus alpha var. *divergens* Haldeman, 1847a: 48

Type locality - Holotype: United States, Pennsylvania (MCZN).

Amniscus lateralis Haldeman, 1847a: 48

Leptostylus lateralis Melsheimer, 1853: 108 (cat.)

Type locality - Holotype: United States, Pennsylvania (MCZN).

Liopus cinereus LeConte, 1852: 173; 1859a: 49; 1880: 237; Packard, 1881: 75 (biol.); Harrington, 1884b: 48 (hosts); Packard, 2890: 291 (hosts); Chittenden, 1893: 247 (paras.); Beutenmuller, 1896: 79 (hosts); Castle & Laurent, 1897: 8; Wickham, 1898a: 37; Smith, 1900: 294 (distr.); Klages, 1901: 273 (distr.); Dury, 1902: 162 (distr.); Wickham, 1909a: 29 (distr.); Chagnon, 1917: 236 (distr.); Beaulne, 1932: 220 (hosts);

Leiopus cinereus; Melsheimer, 1853: 108; White, 1855: 388; Lacordaire, 1872: 776; Casey, 1913: 314; Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 452 (distr.); Brimley, 1938: 218; Knull, 1946: 250; Fattig, 1947: 35 (distr.); Alexander, 1958: 47 (distr.); Gibson & Carrillo, 1959: 121 (distr.);

Sternidius cinereus LeConte, 1873a: 235; Popenoe, 1877: 34 (distr); Lameere, 1883: 65 (cat.); Kirk, 1970: 82 (distr.)

Syntypes locality - Syntypes: United States, Georgia. (MCZN)

Liopus xanthoxyli Shimer, 1868: withouth page; Packard, 1872: 497, pls., 1881: 132, fig. 61 (biol.); 1890: 659, fig. 215; Beutenmuller, 1896: 79 (hosts); Lingafelter *et al*., 2014: 347, fig. 86 c (holotype)

Sternidius xanthoxyli; LeConte, 1873a: 235; Riley, 1880a: 271

Leiopus xanthoxyli; Packard, 1881: 251, figs 97

Type locality - Holotype: United States, Illinois: Mount Carroll (USNM)

Liopus alpha var. *floridanus* Hamilton, in Leng & Hamilton, 1896: 125; Dozier, 1918: 335 (distr.); Fattig, 1947: 36; Lingafelter *et al*., 2014: 13, fig. 13 a (lectotype)

Liopus floridanus; Blatchley, 1920a: 69 (distr.)

Sternidius floridanus; Dillon, 1956b: 217; Turnbow & Franklin, 1980: 345; Lewis, 1986: 192, fig. 9 (revis.); Chemsak, Linsley & Noguera, 1992: 345 (cat.); MacRae, 1993: 345 (distr.); Monné, M.A., 1995a: 82 (cat.)

Sternidius alpha floridanus; Kirk, 1969: 118 (distr.).

Type locality - Lectotype: United States, Florida: Biscayne Key (USNM).

Leiopus dentatus Casey, 1913: 312; Lingafelter *et al*., 2014: 52, fig. 55 s (holotype)

Type locality - Holotype female: United States, Illinois. (USNM)

Leiopus testaceus Casey, 1913: 311; Lingafelter *et al*., 2014: 332, fig. 169 e (holotype)

Type locality - Holotype female: United States, Diatrict of Columbia, (USNM)

Leiopus scapalis Casey, 1913: 312; Lingafelter *et al*., 2014: 315, fig. 149 m (holotype)

Type locality - Holotype female:United States, Indiana, (USNM)

Leiopus pleuralis Casey, 1913: 312; Lingafelter *et al*., 2014: 301, fig; 134 l (lectotype)

Type locality - Lectotype; United States, District of Columbia. (USNM)

Leiopus timidus Casey, 1913: 313; Lingafelter *et al*., 2014: 334, fig. 171 k (holotype)
Type locality - Holotype female: United States, Pennsylvania (USNM)
Leiopus obscurellus Casey, 1913: 313; Lingafelter *et al*., 2014: 110, fig. 121 c (holotype)
Type locality - Holotype femsle: United States, New York: Lake Champlain, Bluff Point (USNM)
Leiopus nelsonicus Casey, 1924: 291; Lingafelter *et al*., 2014: 104, fig. 115 g (holotype)
Type locality - Holotype female: United States, Virginia, Nelson County. (USNM)
Sternidius alpha coloradensis Dillon, 1956b: 216
Type locality - Holotype male: United States, Colorado: Colorado Springs. (CASC)
Sternidius alpha nigricans Dillon, 1956b: 218
Type locality - Holotype female: United States, New Mexico: Tajique (SEMK)
Sternidius suturalis Dillon, 1956b: 218
Type locality - Holotype male: United States, Texas: Rockdale (TAMU)

2. *Sternidius centralis* (LeConte, 1884)

Type locality - Holotype: United States, Arizona. (MCZN). **Distribution** - United States (Southern Arizona to Texas), Mexico (Sonora). **Host plants** - *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Liopus centralis LeConte, 1884: 24; Leng & Hamilton, 1896: 123.
Leiopus centralis; Casey, 1913: 310.
Sternidius centralis; Dillon, 1956b: 218, figs. 2, 3; 1956c: 340; Lewis, 1977: 197, fig. 2; 1986: 175, fig. 2; Chemsak, Linsley & Noguera, 1992: 145 (cat.); Monné, M. A. & Giesbert, 1994 : 263 (checklist) ; Monné, M. A. & Giesbert, 1995 : 261 (checklist) Monné, M.A., 1995a: 79 (cat.); Bousquet, 2007: 622.
Liopinus centralis; Linsley & Chemsak, 1995: 99; Monné, M. A., 2005: 81 (cat.); Monné, M.A. & Hovore, 2006: 188 (checklist) ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

3. *Sternidius chemsaki* Lewis, 1977

Type locality – Holotype male: United States, Arizona: Santa Cruz County, Santa Rita Mts., Madera Canyon. (CASC). **Distribution** - United States (Arizona), Mexico (Sonora). **Host plants** - *Quercus hypoleucoides* A. Camus (Fagaceae).

Sternidius chemsaki Lewis, 1977: 196, fig. 1; 1986: 180; Chemsak, Linsley & Noguera, 1992: 145 (cat.); Monné, M. A. & Giesbert, 1994: 263 (checklist) ; Monné, M.A., 1995a: 79 (cat.); Bousquet, 2007: 622; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485
Liopinus chemsaki; Linsley & Chemsak, 1995: 93; Monné, M. A. & Giesbert, 1995 : 261 (checklist) ; Monné, M.A., 2005: 82 (cat.); Monné, M.A. & Hovore, 2006: 188 (checklist) MacRae & Rice, 2007: 254 (distr., hosts).

4. *Sternidius decorus* (Fall, 1907)

Syntypes locality - Syntypes: United States, Arizona: Williams. (MCZN). **Distribution** - United States (Southern Arizona), Mexico (Sonora). **Host plants** - *Quercus arizonica* Sargent, *Q. gambelii* Nuttall , *Q. hypoleucoides* A. Camus (Fagaceae).

Liopus decorus Fall, 1907: 84; Schaeffer, 1908a: 330, 345.
Sternidius decorus; Linsley, Knull & Statham, 1961: 29 (distr.); Lewis, 1977: 200, fig. 4 (syn.); 1979: 24 (distr.); 1986: 197, fig. 16; Chemsak, Linsley & Noguera, 1992: 145 (cat.); Monné, M. A. & Giesbert, 1994: 263 (checklist) ; Monné, M.A., 1995a: 81 (cat.); Bousquet, 2007: 622; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485
Liopinus decorus; Monné, M. A. & Giesbert, 1995 : 261 (checklist) ; Linsley & Chemsak, 1995: 98; 1997: 392 (hosts); Monné, M.A., 2005: 82 (cat.); Monné, M.A. & Hovore, 2006: 188 (checklist)
Sternidius alpha arizonensis Dillon, 1956b: 217; Linsley, Knull & Statham, 1961: 29 (distr.).
Type locality - Holotype female: United States, Arizona: Chiricahua Mts., Cove Creek. (CASC).

Sternidius centralis; Dillon, 1956b: 218 (*partim*).

5. *Sternidius fascicularis* (Harris, 1836)

Type locality - Holotype: United States, Illinois (MCZN). **Distribution** - East coast of North America, from Massachusetts to Florida and Michigan through Kansas and Nebraska south to Texas, and west to New Mexico. In Canada, it is known from the Montreal area and the Ottawa valley region in Quebec to southernmost Ontario. **Host plants** - *Zanthoxylum* sp. (Rutaceae)

Lamia (Mesosa fascicularis Harris, 1837: 88, pl. 1, fig. 9; Chevrolat, 1838: 119; Greene, 1918: 259

Amniscus fascicularis; Haldeman, 1847a: 48; White, 1855: 193

Leptostylus fascicularis; LeConte, 1852: 170; Melsheimer, 1853: 108; Bland, 1861: 97 (distr., hosts); Lacordaire, 1872: 772

Liopus fascicularis; Schwarz, 1891: 74 (hosts); Beutenmuller, 1896: 79 (hosts); Hamilton, 1896: 123; Smith, 1900: 294 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 27 (distr.); Evans, 1906: 99 (distr.); Houghton, 1908: 181 (distr.); Wickham, 1909a: 29 (distr.); Leng, 1910: 78 (distr.); Blatchley, 1910: 1074; Smith, 1910: 333; Chapin, 1917: 29 (hosts); Rosewall, 1920: 203 (hosts); Beaulne, 1932: 120 (hosts)

Leiopus fascicularis; Casey, 1913: 311; Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 452 (distr.); Ware, 1929: 368 (distr.); Gaines, 1933: 52 (distr.); Loding, 1933: 149 (distr.); Frost, 1937: 202; Loding, 1945: 123 (distr.); Knull, 1946: 250; Fattig, 1947: 35 (distr.); Papp, 1955: 219 (distr.)

Sternidius facicularis; Dillon, 1956b: 209; Kirk, 1969: 86 (distr.); Turnbow & Franklin, 1980: 344 (distr.); Lewis, 1986: 190, fig. 15 (revis.); Rice, 1988: 413 (biol.); Chemsak, Linsley & Noguera, 1992: 145 (cat.); MacRae, 1993: 245 (distr., hosts); Lingafelter & Horner, 1993: 185 (distr.); Monné, M. A. & Giesbert, 1994: 263 (checklist) ; Monné, M.A., 1995a: 81 (cat.); Bousquet, Laplante, Hammond & Langor, 2017: 167, pl. 39

Sternidius fascicularis fascicularis; Dillon, 1956b: 213, pl. 1, fig. 7; Rice & Enns, 1981: 99; Waters & Hyche, 1984: 284 (distr.)

6. *Sternidius imitans* (Knull, 1936)

Type locality - Holotype male: United States, Texas: Davis Mts. (FMNH). **Distribution** - United States (Davis and Chisos Mountains, Texas, to mountains of Cochise, Santa Cruz and Mojave Cos., Arizona). **Host plants** –*Celtis reticulata* Torrey (Cannabaceae), *Quercus emoryi* Torrey (Fagaceae).

Leiopus imitans Knull, 1936: 107; Ruette, 1970: 20 (paratype) ; Monné, M. A. & Giesbert, 1995 : 261 (checklist) ;

Sternidius imitans; Dillon, 1956b: 217, fig. 1; 1956c: 340, pl. 1, fig. 1; Linsley, Knull & Statham, 1961: 29 (distr.); Lewis, 1977: 198, fig. 3; Chemsak, 1977a: 176 (types); Lewis, 1979: 25 (distr.); 1986: 199, fig. 3 (rev.); Chemsak, Linsley & Noguera, 1992: 145 (cat.); Monné, M.A., 1985: 82 (cat.); Monné, M. A. & Giesbert, 1994: 263 (checklist) ; Monné, M.A., 1995a: 82 (cat.); Bousquet, 2008: 622

Liopinus imitans; Linsley & Chemsak, 1995: 96; 1997: 392 (hosts); Heffern, 1998: 22 (distr.); Monné, M.A. & Hovore, 2006: 188 (checklist) MacRae & Rice, 2007: 154 (distr., hosts)

7. *Sternidius incognitus* Lewis, 1977

Type locality - Holotype female: United States, Arizona: Santa Cruz County, Santa Rita Mts., Madera Canyon. (CASC). **Distribution** - United States (Southern Arizona), Mexico (Sonora). **Host plants** - *Quercus* sp. (Fagaceae).

Sternidius incognitus Lewis, 1977: 201, fig. 5; 1986: 196; Chemsak, Linsley & Noguera, 1992: 146 (cat.); Monné, M.A., 1995a: 82 (cat.); Bousquet, 2007: 622; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

Liopinus incognitus; Monné, M. A. & Giesbert, 1995 : 263 (checklist) ; Linsley & Chemsak, 1995: 97; 1997: 392 (hosts); Monné, M.A., 2005: 82 (cat.); Monné, M.A. & Hovore, 2006: 188 (checklist)

8. *Sternidius mimeticus* (Casey, 1891)

Type locality - Holotype: United States, Texas: Columbus. (USNM). **Distribution** - Eastcentral United States to Florida and Texas, Mexico (Sonora). **Host plants** - *Acer* sp. (Aceraceae), *Metopium toxiferum (*Linnaeus) Krug & Urban, *Rhus* sp. (Aceraceae), *Parkinsonia aculeata* Linnaeus (Caesalpiniaceae), *Celtis laevigata* Willdenow, *Celtis occidentalis* Linnaeus, *Celtis p. pallida* Torrey (Cannabaceae), *Cornus* sp. (Cornaceae), *Diospyros virginiana* Linnaeus, *Piscidia piscipula* (Linnaeus) Sargent, *Sesbania drummondii* (Rydberg) Cory, *Sophora secundiflora* (Ortega) de Candolle (Fabaceae), *Quercus* sp. (Fagaceae), *Ebenopsis ebano* (Berlandier) Barneby & J. W. Grimes, *Leucaena pulverulenta* (Schlechtendal) Bentham, *Lysiloma latisiliqua* (Linnaeus) Bentham, *Mimosa lindheimeri* Gray, *Vachellia farnesiana* (Linnaeus) Wight. & Arn., (Mimosaceae), *Morus rubra* Linné (Moraceae), *Platanus occidentalis* Linnaeus (Platabaceae), *Prunus serotina* Ehrhart (Rosaceae), *Zanthoxylum clava-herculis* Linnaeus (Rutaceae), *Vitis arborea* Linnaeus (Vitaceae).

Leiopus crassulus; Horn, 1880a: 124; Riley, 1880a: 271 (hosts); Beutenmuller, 1896: 78 (biol., hosts); Ulke, 1903: 27 (distr.); Townsend, 1903: 78 (distr.); Schaeffer, 1908a: 328 (hosts); Blatchley, 1910: 1074; Leonard, 1928: 452 (distr.); Linsley & Martin, 1933: 182 (distr.); Knull, 1946: 249; Fattig, 1947: 35 (not LeConte, 1873).

Leiopus mimeticus Casey, 1891: 48; 1913: 215; Lingafelter *et al*., 2014: 99, fig. 109 g (holotype).

Sternidius mimeticus; Dillon, 1956b: 210; Dillon & Dillon, 1961: 640, pl. 63, No. 12; Rice, 1985: 1224 (hosts); Lewis, 1986: 17, fig. 7 (rev.); Hovore, Penrose & Neck, 1987: 318, fig. 18; Chemsak, Linsley & Noguera, 1992: 46 (cat.); Lingafelter & Horner, 1993: 184 (distr.); Monné, M. A. & Giesbert, 1995 : 261 (checklist) ; Monné, M.A., 1995a: 82 (cat.); Bousquet, 2008: 622; Holt, 2013: 252 (distr., hosts); Spomer. 2014: 201 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

Liopinus mimeticus; Linsley & Chemsak, 1995: 100; Yanega, 1996:137, pl. 27, fig. 307; Linsley & Chemsak, 1997: 392 (hosts); Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 126 (distr.); Monné, M.A. & Hovore, 2006: 188 (checklist) MacRae & Rice, 2007: 254 (distr., hosts).

Leiopus schwarzi Hamilton, 1896: 94; Casey, 1913: 316: Lingafelter *et al*., 2014: 316, fig. 150o (holotype).

Sternidius schwarzi; Dillon, 1956b: 212; Turnbow & Hovore, 1979: 225 (hosts, syn.); Hovore & Penrose, 1982: 26 (biol.); Lewis, 1986: 179, fig. 6 (syn.); Chemsak, Linsley & Noguera, 1992: 46 (cat.).

Liopinus schwarzi; Browne & Peck, 1996: 2159 (distr.);.

Type locality - Holotype: United States, Florida: Key West. (USNM).

Leiopus houstoni Casey, 1913: 315; Linsley, 1940: 561; Vogt, 1949: 182 (hosts); Lingafelter *et al*., 2014: 77, 367, fig. 83g (lectotype).

Type locality - Lectotype: United States, Texas: Brownsville. (USNM).

Leiopus moderator Casey, 1913: 314; Lingafelter *et al*., 2014: 101, fig. 111e (holotype).

Sternidius moderator; Dillon, 1956b: 212, pl. 2, fig. 9; Wray, 1967: 47; Perry, 1974: 217 (distr.);

Type locality - Holotype female: United States, Distrit of Columbia. (USNM).

Leiopus texanus Casey, 1913: 314; Vogt, 1949: 182 (hosts); Lingafelter *et al*., 2014: 332, 367, fig. 170 g (lectotype).

Sternidius texanus; Hovore & Penrose, 1982: 26 (biol.); Rice, 1985: 1224 (hosts); Lewis, 1986: 186, fig. 8 (rev.); Hovore, Penrose & Neck, 1987: 318, fig. 18; Chemsak, Linsley & Noguera, 1992: 46 (cat.); Noguera & Chemsak, 1996: 407 (distr.).

Type locality - Lectotype: United States, Texas: Brownsville. (USNM).

9. *Sternidius misellus* (LeConte, 1852)

Syntypes locality - Syntypes: United States, Illinois (MCZN). **Distribution** - Eastern United States from Connecticut to Florida and west to Kansas and Texas. In Canada, it is known from a few localities ranging from the Montreal area in Quebec to southernmost Ontario. **Host plants** - *Acer negundo* Linnaeus, *A. rubrum* Linnaeus (Aceraceae), *Rhus*

glabra Linnaeus, *R. typhina* Turner (Anacardiaceae), *Betula nigra* Linnaeus (Betulaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Castanea dentata* (Marsall) Borkhausem, *Quercus coccínea* Munchhausen, *Q. phellos* Linnaeus, *Q. rubra* Linnaeus, *Q. stelata* Wagenheim, *Q. velutina* Lamarck (Fagaceae), *Juglans nigra* Linnaeus (Juglandaceae), *Crataegus viridis* Linnaeus (Rosaceae), *Ulmus americana* Linnaeus (Ulmaceae), *Parthenocissus quinquefólia* (Linnaeus) Planchon (Vitaceae).

Liopus misellus LeConte, 1852: 173;

Leiopus misellus Melsheimer, 1853: 108; White, 1855: 389; Lacordaire, 1872: 776; Casey, 1913: 313;

Sternidius alpha misellus; Dillon, 1956b: 216 (syn.); Stein & Tagestad, 1976: 41; Rice & Enns, 1981: 99 (distr.); Gosling, 1984: 73 (hosts); 1986: 157 (hosts);

Sternidius misellus; Lewis, 1986: 183 (revis.); Chemsak, Linsley & Noguera, 1992: 146 (cat.); MacRae, 1993: 245 (distr.); Monné, M.A., 1995a: 82 (cat.); Bousquet, 2008: 622; Webster, McCorquodale & Majka, 2009: 301 (distr.); Holt, 2013: 252 (distr.); Webster, 2016: 488 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 167, pl. 39

Liopinus misellus; Linsley & Chemsak, 1995: 95; Monné, M.A., & Giesbert, 1995: 261 (cat.); Yanega, 1996: 137, pl. 27, fig. 308; Linsley & Chemsak, 1997: 393 (hosts); Schiefer, 1998b: 126 (distr.); Monné, M.A. & Hovore, 2006: 188 (checklist) MacRae & Rice, 2007: 254 (distr., hosts)

10. *Sternidius punctatus* (Haldeman, 1847)

Syntypes locality - Syntypes: United States (MCZN). **Distribution** - Eastern United States, from New Jersey to Florida, west to Texas and Missouri. **Hosts plants** - *Acer rubrum* Linnaeus, *A. saccharinum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Ostrya virginiana* (Miller) K. Koch (Betulaceae), *Celastrus orbiculatus* (Celastraceae) *Cornus florida* Linnaeus (Cornaceae); *Carpinus caroliniana* Walter (Corylaceae), *Diospyros virginiana* Linnaeus (Ebenaceae); *Hamamelis virginiana* Linnaeus (Hamamelidaceae), *Carya cordiformis* (Wangenheim) K. Koch, *C. illinoinensis* (Wangenheim) K. Koch, *C. sulcata* Nuttall, *Juglans nigra* Linnaeus (Juglandaceae); *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae); *Fraxinus pennsylvanica* Marshall (Oleaceae), *Amelancher arborea* (Michaux fils) Fernald, *A. canadensis* Medikus, *Crataegus viridis* Linnaeus (Rosaceae), *Celtis occidentalis* Linnaeus (Ulmaceae), *Parhenocissu quinquefolia* (Linnaeus) Planchon (Vitaceae).

Amniscus punctatus Haldeman, 1847a: 49

Leptostylus punctatus; Melsheimer, 1853: 108

Sternidius punctatus LeConte, 1873a: 235; Lameere, 1883: 65 (cat.); Lewis, 1986: 182 (revis.); Chemsak, Linsley & Noguera, 1992: 263 (cat.); MacRae, 1993: 246 (distr., hosts); Monné, M.A., & Giesbert, 1994: 261 (cat.); Monné, M.A., 1995a: 83 (cat.); Bousquet, 2008: 622; Holt, 2013: 252 (distr.); Vlasák, 2014: 319 (hosts); Klingeman *et al*., 2017: 298 (distr.); Vlasak & Vlasakova, 2021: 4, 22 (hosts)

Liopus punctatus; Horn, 1880a: 124; Harrington, 1884a: 73 (distr.); Hopkins, 1893: 196 (biol.); Chittenden, 1894: 101 (host); Hamilton, 1895a: 339 (distr.); 1896: 125; Castle & Laurent, 1896: 304 (distr.); Wickham, 1898a: 37; Smith, 1900: 394 (distr., hosts); Ulke, 1903: 27; Smith, 1910: 333 (distr.); Blatchley, 1910: 1975; Nicolay, 1919: 70 (distr.); Craighead, 1923: 117 (larva); Beaulne, 1932: 220 (hosts); Wright & Whitehouse, 1941: 72 (distr.)

Leiopus punctatus; Casey, 1913: 311; Britton, 1920: 271 (distr.); Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 452 (distr.); Chagnon, 1938: 272; Brimley, 1938: 218 (distr); Knull, 1946: 249, pl. 25,, fig. 109; Fattig, 1947: 35 (distr.); Alexander, 1958: 47; Chagnon & Robert, 1962: 272; Monné, M.A., & Giesbert, 1994: 261 (cat.); Monné, M.A., 1995a: 83 (cat.);

Liopinus punctatus; Monné, M.A., & Giesbert, 1995: 261 (cat.); Linsley & Chemsak, 1995: 94; 1997: 393 (hosts); Yanega, 1996: 137, pl. 27, fig. 306; Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 126 (distr;); Morris, 2002: 212 (hosts); Monné, M.A. & Hovore, 2006: 188 (checklist) MacRae & Rice, 2007: 255 (distr., hosts)

Leiopus maculipennis Blatchley, 1922: 31

Syntypes locality - Syntypes: United States, Florida, Dunedin (Purdue University)

11. *Sternidius rusticus* (LeConte, 1852)

Type locality - Holotype: United States, Western New York. (MCZN). **Distribution** - Canada, Nova Scotia to southeastern Nebraska, south to Louisiana and central Georgia. In Canada, it is known from the Nova Scotia peninsula to southernmost Ontario, and from a single locality in the Winnipeg area in southeastern Manitoba. **Host plants** - *Acer negundo* Linnaeus, *A. saccharum* Marshall (Aceraceae).

Liopus rusticus LeConte, 1852: 283; Melsheimer, 1853: 108 (cat.); White, 1855: 389.

Sternidius rusticus; Lewis. 1986: 195, fig. 12 (rev.); Chemsak, Linsley & Noguera. 1992: 146 (cat.); MacRae, 1993: 246 (distr., hosts); Monné, M. A., 1995a: 83 (cat.); Bousquet, Laplante, Hammond & Langor, 2017: 168, pl. 39

12. *Sternidius vicinus* (Haldeman, 1847)

Type locality - Holotype: United States. (MCZN). **Distribution -** Canada: from southeastern Manitoba to the eastern border of southern Alberta, north to the Tobin Lake region in east-central Saskatchewan. United States: Maryland, District of Columbia, Virginia, Georgia, Florida, Alabama, Mississippi. **Host plants** - *Acer negundo* Linnaeus (Aceraceae)

Amniscus vicinus Haldeman, 1847a: 49; Melsheimer, 1853: 108 (cat.);

Leiopus vicinus; White, 1855: 379; Casey, 1913: 312; Wolcott & Montgomery, 1933: 157 (distr.)

Sternidius alpha vicinus; Dillon, 1956b: 215; Turnbow & Franklin, 1980: 345 (distr.); Waters & Hyche, 1984: 284 (distr.)

Sternidius vicinus; Bousquet, Laplante. Hamond & Langor, 2017: 168, pl. 39

13. *Sternidius vittatus* Dillon, 1956

Type locality - Holotype male: United States, Mississippi: Lucedale. (CUIC). **Distribution** - Eastern United States from New Jersey to Mississippi. Canada: southern Quebec and southern Ontario.

Sternidius vittatus Dillon, 1956b: 219; Lewis, 1986: 185 (rev.); Chemsak. Linsley & Noguera, 1992: 146 (cat.); MacRae, 1993: 246 (distr.); Monné, M.A., & Giesbert, 1994: 263 (cat.); Monné, M.A., 1995a: 84 (cat.); Bousquet, Laplante, Hammond & Langor. 2017: 168

14. *Sternidius wiltii* (Horn, 1880)

Type locality - Holotype male: United States, Texas. (ANSP). **Distribution** - United States (southern Texas), northern Mexico. **Host plants** - *Prosopis juliflora* (Swartz) de Candolle, *Vachellia farnesiana* (Linnaeus) Wight. & Arn. (Mimosaceae).

Liopus wiltii Horn, 1880a: 124; Lameere, 1883: 69 (cat.); Hamilton *in* Leng & Hamilton, 1896: 122; Schaeffer, 1908a: 328 (distr.).

Leiopus wiltii; Casey, 1913: 310; Linsley & Martin, 1933: 182 (distr.); Linsley, 1940: 561 (hosts); Vogt, 1949: 181 (distr.).

Sternidius wiltii; Dillon, 1956b: 209, fig. 8; Turnbow & Wappes, 1978: 370 (distr.); Lewis, 1986: 174, fig. 1; Hovore, Penrose & Neck, 1987: 318, fig. 18 (biol., distr.); Lingafelter & Horner, 1993: 184 (distr.); Chemsak, Linsley & Noguera, 1992: 146 (cat.); Monné, M.A., & Giesbert, 1994: 263 (cat.); Monné, M.A., 1995a: 84 (cat.); Bousquet, 2007: 622; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

Liopinus wiltii; Monné, M.A. & Hovore, 2006: 188 (checklist)

Sternidocinus Dillon, 1956

Sternidocinus Dillon, 1956a: 166; Arnett, 1962: 872; Monné, M. A., 1995a: 84 (cat.); Linsley & Chemsak, 1995: 65; Monné, M.A. & Hovore, 2006: 196 (checklist)

Type species - *Liopus barbarus* Van Dyke, 1920 (original designation)

1. *Sternidocinus barbarus* (Van Dyke, 1920)

Type locality - Holotype male: United States, California, Santa Barbara County, Carpenteria (CACS) **Distribution** - United States (California). **Host plants** - *Quercus agrifolia* Née (Fagaceae)

Liopus barbarus Van Dyke, 1920: 45

Leropus barbarus; Doane *et al*., 1936: 189 (error)

Sternidocinus barbarus; Dillon, 1956a: 166; Hovore & Giesbert, 1976: 358 (hosts); Chemsak, Linsley & Noguera, 1992: 146 (cat.); Monné, M.A., & Giesbert, 1994: 263 (cat.); Monné, M.A., 1995a: 84 (cat.); Linsley & Chemsak, 1995: 56; 1997: 437 (hosts); Monné, M.A. & Hovore, 2006: 196 (checklist); Gimmel *et al*., 2023: 254 (distr.)

Styloleptus Dillon, 1956

Styloleptus Dillon, 1956a: 158; Arnett, 1962: 872, 890; Chalumeau, 1983: 227; Ivie, 1985: 315 (syn.); Linsley & Chemsak, 1995: 121; Monné, M. A., 1995a: 89 (cat.); Monné, M.A., 2005: 129 (cat.); Monné, M.A. & Hovore, 2006: 197 (checklist) Monné, M.A., 2012: 75.

Type-species - *Leptostylus biustus* LeConte, 1852 (original designation).

Caribbeana Gilmour, 1963b: 97.

Type-species - *Caribbeana hebes* Gilmour, 1963 (original designation).

Antilleptostylus Gilmour, 1963a: 73; Micheli & Micheli, 2004: 22 (key spp.); Monné, M.A., 2005: 21 (cat.).

Type-species - *Leptostylus nigricans* Fisher, 1935 (original designation).

1. *Styloleptus biustus biustus* (LeConte, 1852)

Syntypes locality - Syntypes: Southern and middle states. (MCZN). **Distribution** - United States, Cuba. **Host plants** - *Acer rubrum* Linnaeus (Aceraceae), *Yucca* sp. (Agavaceae), *Metopium toxiferum* (Linnaeus) Krug & Urban, *Pistacia lentiscus* Linnaeus, *Rhus* sp. (Anacardiaceae), *Annona cherimola* Miller (Annonaceae), *Ilex* sp. (Aquifoliaceae), *Bursera simaruba* (Linaeus) Sargent (Burseraceae), *Celtis integrifolia* Lamarck (Cannabaceae), *Celastrus orbiculatus* Thunberg (Celastraceae), *Conocarpus erectus* Linnaeus (Combretaceae), *Manihot esculenta* Crantz, *M. palmata* Müller Argoviensis, *Ricinus communis* Linnaeus (Euphorbiaceae), *Cajanus cajan* (Linnaeus) Huth, *Sesbania drummondii* (Rydberg) Cory (Fabaceae), *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Carya illinoinensis* (Wangenheim) K. Koch (Juglandaceae), *Mimosa* sp. (Mimosaceae), *Ficus aurea* Nuttall, *F. carica* Linnaeus, *Morus rubra* Linnaeus (Moraceae),*Pinus clausa* (Pinaceae), *Citrus* sp., *Zanthoxylum fagara* (Linnaeus) Sargent (Rutaceae).

Leptostylus biustus LeConte, 1852: 169; 1873a: 233; Horn, 1880a: 121; Hamilton, *in* Leng & Hamilton, 1896: 119; Beutenmuller, 1896: 79 (hosts); Wickham, 1897a: 208; Smith,, 1900: 294; Ulke, 1903: 27 (distr.); Townsend, 1903: 78 (distr.); Fall & Cockerell, 1907: 194 (distr.); Schaeffer, 1908a: 328 (distr.); Smith, 1910: 333 (distr.); Nicolay, 1919: 70 (distr.); Craighead, 1923: 116 (larva); Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 451 (distr.); Beaulne, 1932: 219 (hosts); Knull, 1937a: 42 (hosts); Brimley, 1938: 217 (distr.); Linsley, 1942: 70; Loding, 1945: 122 (distr.); Duffy, 1960: 252 (hosts); Peck, 1963: 955 (paras.).

Amniscus biustus; White, 1855: 293.

Exocentrus biustus; Chevrolat, 1862: 249.

Styloleptus biustus biustus; Dillon, 1956a: 158; Wray, 1967: 47 (distr.); Turnbow & Hovore, 1979: 224 (biol.); Monné, M.A., & Giesbert, 1994: 264 (cat.); Monné, M.A., 1995a: 90 (cat.); Micheli & Hovore, 2003: 2 (syn.); Monné, M.A., 2005: 130 (cat.); Peck, 2005: 179 (distr.); Monné, M.A. & Hovore, 2006: 197 (checklist) MacRae & Rice, 2007: 257 (hosts); Perez-Gelabert, 2008 : 120 (distr.); Vlasak, 2014; 319 (hosts); Steury & MacRae, 2014; 12;Monné, M.A., Santos-Silva & Monné,M.L., 2020: 329; Vlasak & Vlasakova, 2021: 4, 22 (hosts)

Leptostylus pusillus Blatchley, 1925: 167.

Type locality - Type: Southern Florida.

2. *Styloleptus scurra* (Chevrolat, 1862)

Type locality - Holotype female: Cuba. (BMNH). **Distribution** – United States, Cuba, Bahamas, Jamaica, Cayman Islands.

Alcidion scurra Chevrolat, 1862: 249; Devesa *et al*., 2019: 25

Leptostylus scurra; Gahan, 1895: 135; Leng & Mutchler, 1914: 450 (distr.); Zayas, 1975: 252.

Styloleptus scurra; Gilmour, 1963a: 67; Chemsak, 1967a: 188 (distr.); 1969: 190 (distr.); Chemsak, Linsley & Noguera, 1992: 147 (cat.); Browne, Peck & Ivie, 1993: 51 (distr.); Monné, M.A., & Giesbert, 1994: 264 (cat.); Monné, M.A., 1995a: 92 (cat.); Vitali & Rezbanyai-Reser, 2003: 21; Monné, M.A., 2005a: 133 (cat.); Peck, 2005: 179 (distr.); Turnbow & Thomas, 2008: 22 (distr.)

Leptostylus scurra var. *maculifer* Fisher, 1926a: 21; Zayas, 1975: 254; Lingafelter *et al*., 2014: 316, figs. 150w, x (holotype); Devesa, Barro & Fonseca, 2017: 23, figs 20-22

Styloleptus scurra var. *maculifer*; Gilmour, 1965: 577 (cat.).

Type locality - Cuba, Santiago de las Vegas: Estación Experimental Agronómica. (USNM).

Leptostylus scurra var. *dorsalis* Fisher, 1926: 21; Zayas, 1975: 254; Lingafelter *et al*., 2014: 316, figs. 150u, v (holotype, available).

Type locality - Holotype female: Cuba, Las Villas: Cayamas (USNM)

Leptostylus scurra var. *maculifer* Fisher, 1926a: 21; Zayas, 1975: 254; Lingafelter *et al*., 2014: 316, figs. 150w, x (holotype).

Styloleptus scurra var. *maculifer*; Gilmour, 1965: 577 (cat.).

Type locality - Cuba, Santiago de las Vegas: Estación Experimental Agronómica. (USNM).

Liopus minuens Hamilton *in* Leng & Hamilton, 1896: 123; Lingafelter *et al*., 2014: 100, figs. 110c, d (lect. designation).

Type locality – Lectotype: United States, Florida: Lake Worth, Biscayne Bay. (USNM).

Leptostylus lewisi Fisher, 1948: 227.

Styloleptus lewisi; Gilmour, 1963a: 66; Chemsak, Linsley & Noguera, 1992: 147 (cat.); Monné, M.A., 2005a: 131 (cat.); Thomas, Turnbow & Steiner, 2013: 20 (distr.).

Type locality - Holotype: Cayman Islands, Little Cayman: Moddyffot's area. (BMNH).

Leptostylus thompsoni Fisher, 1948: 226.

Styloleptus thompsoni; Gilmour, 1963a: 66; Chemsak, Linsley & Noguera, 1992: 147 (cat.); Monné, M.A., 2005a: 133 (cat.); Thomas, Turnbow & Steiner, 2013: 20 (distr.).]

Type locality - Holotype: Cayman Islands, Grand Cayman: West Bay. (BMNH)

Trichastylopsis Dillon, 1956

Trichastylopsis Dillon, 1956a: 148; Arnett, 1962: 871, 890; Monné, M. A., 1995a: 42 (cat.); Linsley & Chemsak, 1995: 130; M. A., 2005: 138 (cat.); Monné, M.A. & Hovore, 2006: 198 (checklist) Monné, M.A., 2012: 75.

Type-species - *Leptostylus albidus* LeConte, 1852 (original designation).

1. *Trichastylopsis albidus* (LeConte, 1852)

Type locality - Holotype: United States, Arizona: Junction of the Colorado and Gila. (MCZN). **Distribution** - United States (Texas to southern California), northern Mexico. **Host plants** - *Acer* sp. (Aceraceae), *Rhus glabra* var. *cismontana* (Greene) Rehder (Anacardiaceae), *Populus deltoides* Bartram ex Marshall, *P. fremontii* Watson (Salicaceae)

Leptostylus albidus LeConte, 1852: 168; Lacordaire, 1872: 772; LeConte, 1873a: 233; Horn, 1880a: 119, 121; Hamilton *in* Leng & Hamilton, 1896: 119; Craighead, 1923: 116 (larva).

Amniscus albidus; White, 1855: 392.

Trichastylopsis albidus; Dillon, 1956a: 148; Hovore & Giesbert, 1976: 358 (hosts); Hovore, 1983: 386 (syn.); Lewis, 1986: 171 (syn.); MacKay, Zak & Hovore, 1987: 366 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 147 (cat.); Monné, M.A., & Giesbert, 1994: 265 (cat.); Monné, M.A., 1995a: 42 (cat.); Linsley & Chemsak, 1995: 131; Noguera & Chemsak, 1996: 407 (cat.); Linsley & Chemsak, 1997: 446 (hosts); Monné, M.A., 2001: 33 (cat. hosts); M. A., 2005: 138 (cat.); Monné, M.A. & Hovore, 2006: 198 (checklist); Monné, M.A., Santos-Silva & Monné,M.L., 2020: 21, fig 38 ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

Leiopus setipes Casey, 1891: 48; Hamilton *in* Leng & Hamilton, 1896: 126; Dillon, 1956b: 219; Lingafelter *et al*., 2014: 318, figs. 153q, r (holotype).
Sternidius setipes; Gilmour, 1965: 579 (cat.).
Type locality - Holotype: United States, Texas: El Paso. (USNM).
Leptostylus falli Linsley, 1934c: 182.
Trichastylopsis falli; Linsley, Knull & Statham, 1961: 29 (distr.).
Type locality - Holotype male: United States, Arizona: Huachuca Mts. (Carr Canyon). (CASC).

Trichocanonura Dillon, 1956

Trichocanonura Dillon, 1956b: 229; Arnett, 1962: 873, 891; Monné, M. A., 1995a: 4 (cat.); Linsley & Chemsak, 1995: 18; Monné, M.A., 2005: 140 (cat.); Monné, M.A. & Hovore, 2006: 199 (checklist) Monné, M.A., 2012: 75.
Type-species - *Acanthocinus linearis* Skinner, 1905 (original designation).

1. *Trichocanonura linearis* (Skinner, 1905)

Syntypes locality - Syntypes male and female: United States, Arizona: Huachuca Mts. (Carr Canyon). (ANSP). **Distribution** - United States (southern Arizona) to southern Sierra Madre, Mexico. **Host plants** - *Quercus* sp. (Fagaceae).
Acanthocinus linearis Skinner, 1905: 290; Schaeffer, 1908a: 331 (distr.); Casey, 1913: 341.
Acanthocinus (Acanthocinus) linearis; Aurivillius, 1923: 434 (cat.).
Trichocanonura linearis; Dillon, 1956b: 229; Chemsak, Linsley & Noguera, 1992: 147 (cat.); Monné, M.A., & Giesbert, 1994: 265 (cat.); Monné, M.A., 1995a: 4 (cat.); Linsley & Chemsak, 1995: 19; 1997: 446 (hosts); Monné, M.A., 2001: 33 (cat. hosts); M.A., 2005: 140 (cat.); Monné, M.A. & Hovore, 2006: 199 (checklist); Monné, M.A., Santos-Silva & Monné,M.L., 2020: 22, fig. 39; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485
Acanthocinus (Trichocanonura) linearis; Linsley, Knull & Statham, 1961: 30 (distr.).

Urgleptes Dillon, 1956

Urgleptes Dillon, 1956c: 332; Gilmour, 1959b: 8; Dillon & Dillon, 1961: 641; Arnett, 1962: 873, 891; Gilmour, 1962b: 21; 1963a: 78; 1968: 165; Villiers, 1980b: 578; Linsley & Chemsak, 1995: 109; Monné, M. A., 1995a: 120 (cat.); Micheli & Micheli, 2004: 35 (key spp.); M. A., 2005: 147 (cat.); Monné, M.A. & Hovore, 2006: 200 (checklist); Monné, M.A., 2012: 76; Ravin & Lingafelter, 2015: 56 (rev Hispaniola); Monné, M.A., Santos-Silva & Monné,M.L., 2020a: 304, 331; Monné, M.A., Santos-Silva & Monné,M.L., 2020b: 10, 52
Type-species - *Liopus signatus* LeConte, 1852 (original designation).

1. *Urgleptes celtis* (Schaeffer, 1905)

Type locality - Holotype: United States, Texas: Brownsville, Esperanza Ranch. (USNM). **Distribution** - United States (Texas), Mexico (Tamaulipas). **Host plants** - *Celtis laevigata* Willdenow, *C. pallida* Torrey (Cannabaceae), *Leucaena pulverulenta* (Schlechtendal) Bentham (Mimosaceae).
Lepturges celtis Schaeffer, 1905: 168 (hosts); 1908a: 326; Casey, 1913: 320; Linsley & Martin, 1933: 182 (distr.).
Urgleptes celtis; Dillon, 1956c: 336; Hovore & Penrose, 1982: 26; Hovore, Penrose & Neck, 1987: 320; Chemsak, Linsley & Noguera, 1992: 148; Monné, M.A., & Giesbert, 1994: 267 (cat.); Monné, M.A., 1995a: 121 (cat.); Linsley & Chemsak, 1995: 112; Monné, M.A. & Hovore, 2006: 200 (checklist) Lingafelter *et al*., 2014: 39, fig. 40k (holotype); García Morales *et al*., 2015: 108 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485
Urgleptus celtis; Linsley & Chemsak, 1997: 448 (hosts).

2. *Urgleptes facetus* (Say, 1826)

Type locality - Holotype: United States. (depository unknown). **Distribution** - This species ranges from southern Quebec to Minnesota, south at least to Missouri, southern Mississippi, southern Alabama, and Georgia. In Canada, it is known from southern Quebec, north to the Quebec City area, and in southern Ontario**Host plants** - *Acer rubrum* Linnaeus (Aceraceae), *Rhus glabra* Linnaeus (Anacardiaceae), *Betula nigra* Linnaeus (Betulaceae), *Cornus folrida* Linnaeus (Cornaceae)., *Diospyros virginiana* Linnaeus (Ebenaceae), *Castanea dentata* (Marsall) Borkhausem, *Quercus nigra* Linnaeus, *Q. velutina* Lamarck (Fagaceae), *Lindera benzoin* (Linnaeus) Blume (Lauraceae), *Maclura pomifera* (Rafinesque) C. Schneider (Moraceae), *Amelancher arborea* (ichaux fils) Fernald, *Crataegus crus-galli* Linnaeus (Rosaceae), *Salix exigua* Nutall (Salicaceae), *Vitis arborea* Linnaeus (Vitaceae).

Lamia faceta Say, 1826: 271; LeConte, 1859b: 329

Amniscus facetus; Haldeman, 1847a: 49

Leiopus facetus; Haldeman, 1847a: 373; Melsheimer. 1853: 108 (cat.); White, 1855: 387; Fitch. 1858: 751 (biol.); Packard, 1872: 712, pl. 15, fig. 1; 1881: 250, fig. 98; 1883: 712, pl. 15, fig. 1;

Liopus facetus; LeConte, 1852: 171; Packard, 1881: 132, fig. 62; Harrington, 1884b: 48, fig. 17;

Lepturges facetus; Horn, 1880a: 127, pl. 11, fig. 5; Snow, 1881: 76; Packard, 1890: 659, fig. 216; Hamilton, 1891a: 132; 1895a: 339 (distr.); Leng & Hamilton, 1896: 128; Wickham, 1898a: 38; Lugger, 1899: 125, fig. 131 (biol.); Smith, 1900: 295 Ouellet, 1902: 122 (distr.); Dury, 1902: 122 (distr.); Ulke, 1903: 27 (distr.); Wickham, 1909a: 29 (distr.); Smith, 1910: 334; Leng, 1910: 78 (distr.); Blatchley, 1910: 1077, fig. 463c; Fisher & Kirk, 1912: 314 (distr.); Rohwer, 1913: 540 (paras.); Casey, 1913: 322; Chagnon, 1917: 236 (distr.); Frost, 1920: 26 (biol.). Britton, 1920: 271 (distr.); Champlain, Kirk & Knull, 1925: 141 (hosts); Kirk & Knull, 1926: 43 (distr.); Knull, 1928a: 316 (hosts); Leonard, 1928: 452 (distr.); Fletcher, 1929: 259 (distr.); Cooper, 1930: 24 (distr.); Beaulne, 1932: 220 (hosts); Brimley, 1938: 218 (distr.); Knull, 1946: 254, pl. 1, fig. 15; Fattig, 1947: 36 (distr.)

Urgleptes facetus; Dillon, 1956c: 335; Dillon & Dillon, 1961: 541, pl. 54; Gardiner, 1966: 204; 1969: 90 (larva); Kirk, 1970: 82 (distr.); Kirk & Balsbaugh, 1975: 100 (distr.); Gosling & Gosling, 1976: 29 (distr.); Headstrom, 1977: 378; Laliberté, Chantal & LaRochelle, 1977: 100 (biol.); Turnbow & Franklin, 1980: 345 (distr); Rice & Enns, 1981: 100 (distr., hosts); Gosling, 1984: 73 (hosts); Chemsak, Linsley & Noguera, 1992: 148 (cat.); MacRae, 1993: 247 (distr., hosts); Monné, M.A., & Giesbert, 1994: 267 (cat.); Monné, M.A., 1995a: 122 (cat.); Linsley & Chemsak, 1995: 113, fig. 18; 1997: 448 (hosts); Yanega, 1996: 138, pl. 29, fig. 326; Krinsky & Godwin, 1996: 239; Schiefer, 1998: 126 (distr.); Vlasák & Vlasakova, 2002: 215 (distr.); Monné, M.A. & Hovore, 2006: 200 (checklist); MacRae & Rice, 2007: 257 (distr., hosts); Holt, 2013: 252 (distr.); Steury & MacRae, 2014: 12 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 169, pl. 41

3. *Urgleptes foveatocollis* (Hamilton, 1896)

Type locality - Lectotype: United States: Florida: Biscayne Bay. (USNM). **Distribution** - Southern United States to Texas - **Host plants** – *Celtis reticulata* Torrey (Cannabaceae), *Piscidia piscipula* (Linnaeus) Sargent (Fabaceae), *Lysiloma latisiliqua* (Linnaeus) Bentham (Mimosaceae), *Avicennia germinans* (Linnaeus) Stearn, *Lantana involucra* Linnaeus (Verbenaceae).

Liopus foveatocollis Hamilton, in Leng & Hamilton,1896: 125; Lingafelter *et al*., 2014: 65, fig. 60 o (lectotype)

Leiopus foveatocollis; Leng, 1920: 283 (cat.); Loding, 1933: 149 (distr.);

Urgleptes foveatocollis; Dillon, 1956c: 338; Chemsak, Linsley & Noguera, 1992: 148 (cat.); Monné, M.A., & Giesbert, 1994: 267 (cat.); Monné, M.A., 1995a: 123 (cat.); Linsley & Chemsak, 1995: 110 (syn.); 1997: 449 (hosts); Browne & Peck, 1996: 2159 (distr.); Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 126 (distr.); Morris, 2002: 212 (hosts); Monné, M.A. & Hovore, 2006: 200 (checklist); Holt, 2013: 252 (distr.); Klingeman *et al*., 2017: 298 (distr., hosts)

Lepturges minutus Champlain & Knull, 1925: 207; Linsley & Martin, 1933: 182 (distr.); Chemsak, 1977a: 176 (types)

Urgleptes minutus; Dillon 1956c: 335; Chemsak, Linsley & Noguera, 1992: 148 (cat.); Monné, M.A., 1995a: 125 (cat.)

Type locality - Holotype: United States, Louisiana: Slidell. (FMNH)

Urgleptes kissingeri Dillon, 1956c: 337, pl. 1, fig. 9; Chemsak, 1977a: 179 (types); Turnbow & Hovore, 1979: 225 (hosts); Chemsak, Linsley & Noguera, 1992: 148 (cat.)

Type locality - Holotype malk. e: United States, Florida: South Miami, (FMNH)

Urgleptes knulli Dillon, 1956c: 337, pl. 1, fig. 8; Chemsak, 1977a: 179 (types); Chemsak, Linsley & Noguera, 1992: 148 (cat.); Monné, M.A., 1995a: 124 (cat.)

Type locality – Holotype male: United States, Texas: Brownsville. (FMNH)

4. *Urgleptes querci* (Fitch, 1838)

Type locality - Type: United States, New York (NYSM). **Distribution** - From Nova Scotia to Minnesota, south to Texas and Georgia. In Canada, it occurs from the Halifax area in Nova Scotia to the Thunder Bay area on the western shore of Lake Superior in Ontario, north to the Chaleur Bay area in northern New Brunswick. **Hosts plants** - *Acer negundo* Linnaeus, *A; rubrum* Linnaeus, *A. saccharinum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Rhus glabra* Linnaeus, *R. typhina* Turner, *R. vernix* Linnaeus (Anacardiaceae), *Asimina triloba* W.S.Dun, *Betula nigra* Linnaeus, *Cercis canadensis* Linnaeus, *gymnocladus dioica* (LInnaeus) Koch (Caesalpiniaceae), *Viburnum acerifolium* Linnaeus (Caprifoliaceae), *Cornus alternifólia* Linnaeus fils, *C. florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae), *Oxydendrum arboreum* (Linnaeus) de Candolle, *Vaccinum corymbosum* Linnaeus (Ericaceae), *Fagus grandifolia* Ehrhardt, *Quercus alba* Linnaeus, *Q. bicolor* Willdenow, *Q. rubra* Linnaeus, *Q. velutina* Lamarck (Fagaceae), *Aesculus glabra* Willdenow (Hippocastanaceae), *Carya glabra* (Miller) Sweet, *C. ovata* (Miller) K. Koch, *C.tomentosa* Nuttall, *Juglans cinérea* Linnaeus, *J. nigra* LInnaeus (Juglandaceae), *Lindera benzoin* (Linnaeus) Blume (Lauraceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Tilia americana* Linnaeus (Malvaceae), *Morus alba* Linnaeus, *M. rubra* Linnaeus (Moraceae), *Fraxinus pennsylvanica* Marshall (Oleaceae), *Amelancher canadensis* Medikus, *Prunus serotina* Ehrhardt (Rosaceae), *Populus balsamifera* Linnaeus, *P. tremuloides* Michaux, *Salix exígua* Nuttall (Salicaceae), *Ulmus americana* Linnaeus (Ulmaceae), *Parthenocissus quinquefolia* (Linnaeus) Planchon (Vitaceae).

Leiopus querci Fitch, 1859: 796; Popenoe, 1877: 34; Packard, 1881: 24 (biol.); 1890: 73; 1890: 292;

Liopus quercus; Riley, 1880a: 271 (hosts)

Lepturges querci; Horn, 1880: 127, pl. 2, fig. 4; Harrington, 1884c: 102 (distr.); 1884b: 48 (hosts); Townsend, 1893: 203 (distr.); Chittenden, 1894: 101 (hosts); Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 128 (cat.); Beutenmuller, 1896: 79 (hosts); Wickham, 1898a: 38; Smith, 1900: 295 (distr.); Dury, 1902: 162 (distr.). Ulke, 1903: 27 (distr.); Chagnon, 1905b: 36 (distr.): Felt, 1906: 439 (biol.); Wickham, 1909a: 29 (distr.); Smith, 1910: 334; Blatchley, 1910: 1077, fig. 463 b; Leng, 1910: 78 (distr.); Fisher & Kirk, 1912: 314 (distr.); Casey, 1913 321; Stoner, 1915: 126 (hosts); Chagnon, 1917: 236 (distr.); Nicolay, 1919: 70 (distr.); Britton, 1920: 271 (distr.); Morris, 1920a: 75 (distr.); Frost, 1920: 26 (biol.); Craighead, 1923: 118 (larva); Blackman & Stage, 1924: 118; Champlain, Kirk & Knull, 1925: 141 (hosts); Kirk & Knull, 1926: 43 (distr.); Brues, 1927: 77; Leonard, 1928: 452 (distr.); Knull, 1930: 102 (hosts); Beaulne, 1932: 220 (hosts); Barrett, 1932: 290 (hosts); Loding, 1933: 149 (distr.); Chagnon, 1938: 273; Brimley, 1938: 218 (distr.); Hoffmann, 1940: 59 (biol.); Loding, 1945: 122 (distr.); Knull, 1946: 253, pl. 1, fig 14; Fattig, 1947: 33 (distr.); Steyskal, 1951: 76 (hosts); Chagnon & Robert, 1962: 273; Peck, 1963: 955 (paras.)

Urgleptes querci; Dillon, 1956c: 334 (syn.); Dillon & Dillon, 1961: 664, pl. 64; Bayer & Shenefelt, 1969: 29, fig. 38; Gosling & Gosling, 1976: 29 (distr.); Headstrom, 1977: 378; Laliberté, Chantal & LaRochelle, 1977: 100 (biol.); Turnbow & Franklin, 1980: 345 (distr.); Rice & Enns, 1981: 100 (distr., hosts); Gosling, 1984: 73 (hosts); 1986: 158 (hosts); Furth, 1985: 192; Rice, 1988: 413; Chemsak. Linsley & Noguera, 1992: 149 (cat.); MacRae, 1993: 247 (distr., hosts); Linsley & Chemsak, 1995: 115; Monné, M.A., & Giesbert, 1994: 261 (cat.); Monné, M.A., 1995a: 83 (cat.); Monné, M.A., 1995a: 127 (cat.); Yanega, 1996: 138,

pl, 29, figs 325; Krinsky & Godwin, 1996: 239; Linsley & Chemsak, 1997: 449 (hosts); Schiefer, 1998b: 126 (distr.); Vlasák & Vlasakova, 2002: 215 (hosts); Senchina, 2005: 332; Monné, M.A. & Hovore, 2006: 201 (checklist); MacRae & Rice, 2007: 257 (distr., hosts); Holt, 2013: 252 (distr.); Steury & MacRae, 2014: 12 (distr.); Webster *et al*., 2016: 116 (distr., hosts); Webster, 2016: 488 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 169, pl. 41; Maier, 2020: 86 (hosts); Haack, 2020: 188 (hosts)

Lepturges tristis Casey, 1913: 321; Lingafelter *et al*., 2014; 336, fig. 173 u (holotype)

Type locality - Holotype: United States, Pennsylvania: Buena Vista Spring, Franklin County. (USNM)

5. *Urgleptes signatus* (LeConte, 1852)

Type locality - Holotype: United States, Ne York (MCZN). **Distribution** - This species ranges from Nova Scotia to Minnesota, south to northern Mississippi and Florida . It occurs in Canada from the Halifax region in Nova Scotia to the Great Lakes area in southern Ontario. **Host plants** - *Acer rubrum* Linnaeus (Aceraceae),*Betula lenta* (Betulaceae), *Cornus florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae), *Quercus alba* Linnnaeus, *Q. rubra* Linnaeus (Fagaceae), *Hamamelis virginiana* Linnaeus (Hamamelidaceae), *Carya glabra*, *Carya ovata* (Miller) Sweet (Juglandaceae), *Tilia americana* Linnaeus (Malvaceae). *Prunus serotina* Ehrhart (Rosaceae). *Staphylaea trifolia* Linnaeus (Staphyleaceae)

Liopus signatus LeConte, 1852: 171

Leiopus signatus; Melsheimer, 1853: 1908; White, 1855: 388; Lacordaire, 1872: 776; Popenoe, 1877: 34 (distr.);

Lepturges signatus; Horn, 1880a: 127, pl. 2, fig. 3; Hopkins, 1893: 197 (biol.); Chittenden, 1894: 101 (hosts); Hamilton, 1895a: 339 (distr.); Knobel, 1895: 34, fig. 111; Leng & Hamilton, 1896: 128; Wickham, 1898a: 38; Smith, 1900: 295 (distr.); Dury, 1902: 162 (distr.); Ouellet, 1902: 122 (distr.); Ulke, 1903: 27 (distr.); Knaus, 1906: 106 (distr.); Wickham, 1909a: 29 (distr.); Blatchley, 1910: 1076, fig. 463 a; Smith, 1910: 334 (distr.); Fisher & Kirk, 1912: 314 (distr.); Casey, 1913: 320; Chagnon. 1917: 236 (distr.); Nicolay, 1919: 70 (distr.); Britton, 1920: 271 (distr.); Blatchley, 1920a: 69 (distr.); Craighead, 1923: 118 (larva); Champlain, Kirk & Knull, 1925: 140 (hosts); Kirk & Knull, 1926: 43 (distr.); Leonard, 1928: 452 (distr.); Frost & Dietrich, 1929: 436 (distr.); Knull, 1930: 102 (hosts); Brimley, 1938: 218 (distr.); Loding, 1945: 123 (distr.); Knull, 1946: 253, pl. 1, fig. 13; Fattig, 1947: 36 (distr.); Steyskal, 1951: 76 (hosts)

Urgleptes signatus; Dillon, 1956c: 333 (syn.); Dillon & Dillon, 1961: 641, pl. 54; Gosling & Gosling, 1976: 29 (distr.); Turnbow & Franklin, 1980: 345 (distr.); Gosling, 1984: 73 (hosts); Chemsak, Linsley & Noguera, 1992: 149 (cat.); Linsley & Chemsak, 1995: 117; Monné, M.A., 1995a: 128 (cat.); Yanega, 1996: 138, pl. 29, fig. 324; Krinsky & Godwin, 1996: 239; Linsley & Chemsak, 1997: 449 (hosts); Peck & Thomas, 1998: 123 (distr.); Schiefer, 1998b: 126 (distr.); Vlasák & Vlasakova, 2002: 215 (distr., hosts); Senchina, 2005: 332 (hosts); Monné, M.A. & Hovore, 2006: 201 (checklist);Webster *et al*., 2012: 316 (distr., hosts); Holt, 2013: 252 (distr.); Vlasák. 2014: 319 (hosts); Steury & MacRae, 2014: 12 (distr.); Webster *et al*., 2016: 117 (distr.); Webster, 2016: 488 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 169, pl. 40; Monné, M.A., Santos-Silva & Monné,M.L., 2020a: 304, 332, fig. 66; Monné, M.A., Santos-Silva & Monné,M.L., 2020b: 52

Lepturges tenebrosus Casey, 1913: 320; Leonard, 1928: 452 (distr.); Lingafelter *et al*., 2014: 331, fig. 168 c (holotype)

Type locality - Holotype male: United States, New York: Bluff Point, Lake Champlain (USNM)

Valenus Casey, 1891

Valenus Casey, 1891: 49; 1913: 322; Bradley, 1930: 246; Dillon, 1956c: 345; Arnett, 1962: 873, 891; Linsley & Chemsak, 1995: 32; Monné, M. A., 1995a: 32 (cat.); Monné, M.A., 2005: 156 (cat.); Monné, M.A. & Hovore, 2006: 202 (checklist); Monné, M.A., 2012: 76 ; Monné, M.A., Santos-Silva & Monné,M.L., 2020b: 3, 23

Type-species - *Valenus inornatus* Casey, 1891 (monotypy).

1. *Valenus inornatus* Casey, 1891

Type locality - Holotype: United States, Texas: El Paso. (USNM). **Distribution** - United States (southwestern Texas to western Arizona), northern Mexico. **Host plants** - *Agave* sp., *Yucca elata* Engelmann (Agavaceae).

Valenus inornatus Casey, 1891: 50; Leng & Hamilton, 1896: 127; Schaeffer, 1908a: 346; Dillon, 1956c: 346; Linsley, Knull & Statham, 1961: 30 (distr.); Lewis, 1979: 25 (distr.); MacKay, Zak & Hovore, 1987: 366 (biol., distr.);Hovore, Penrose & Neck, 1987: 319 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 149 (cat.); Monné, M.A., & Giesbert, 1994: 269 (cat.); Monné, M.A., 1995a: 35 (cat.); Linsley & Chemsak, 1995: 32, fig. 6; Noguera & Chemsak, 1996: 407 (cat.); Linsley & Chemsak, 1997: 450 (hosts); Monné, M.A., 2001: 36 (cat. hosts); Monné, M.A., 2005: 156 (cat.); Monné, M.A. & Hovore, 2006: 202 (checklist); Lingafelter *et al*., 2014: 80, figs. 87o, p (holotype); Rodríguez *et al*., 2019: 454; Monné, M.A., Santos-Silva & Monné,M.L., 2020b: 23, fig. 44; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

ACANTHODERINI Thomson, 1860

Acanthoderitae Thomson, 1860: 2 (key), 5; 1864: 14, 350.

Acanthoderinae; Pascoe, 1864: 6.

Acanthoderides; Lacordaire, 1872: 735.

Acanthoderini; LeConte, 1873b: 337; Bates, 1880: 130; Horn, 1880a: 115; LeConte & Horn, 1883: 322; Harrington, 1899a: 62; Blatchley, 1910: 1063, 1069 (*partim*); Casey, 1913: 301; Bradley, 1930: 243, 245; Chagnon, 1938: 268, 271 (*partim*); Knull, 1946: 242; Heyrovsky, 1955: 269; Duffy, 1960: 213 (larva); Dillon & Dillon, 1961: 624, 636; Chagnon & Robert, 1962: 269, 271 (*partim*); Zayas, 1975: 220; Villiers, 1980a: 582; Linsley & Chemsak, 1985: 241; Monné, M.A., 1994e: 24 (cat.); Chemsak & Hovore, 2002a: 3; M. A., 2005: 158 (cat.); Bousquet *et al*., 2009: 24; Bouchard *et al*., 2011: 486; Casari, 2016: 48 (larva, pupa).

Type-genus: *Acanthoderes* Audinet-Serville, 1835.

Acanthoderes Audinet-Serville, 1835: 29

Type-species: *Cerambyx (Lamia) daviesii* Swederus, 1787 (by subsequent designation Duponchel *in* d'Orbigny, 1841: 31, as *Acanthoderus*).

Dryoctenitae Thomson, 1860: 3 (key), 28 (key), 29.

Type-genus: *Dryoctenes* Audinet-Serville, 1835.

Type-species: *Dryoctenes caliginosus* Audinet-Serville, 1835 (monotypy).

Oreoderitae Thomson, 1860: 2 (key), 27 (key), 29; 1864: 15, 349.

Type-genus: *Oreodera* Audinet-Serville, 1835.

Type-species: *Cerambyx glaucus* Linnaeus, 1758 designated by Desmarest (1860: 321).

Hoplosiae LeConte & Horn, 1883: 325, 326.

Comments: unjustified emmendation of *Oplosia* Mulsant, 1863, not in prevailing usage.

Type-genus: *Hoplosia* Fairmaire, 1864

Type-species: *Cerambyx fennicus* Paykull, 1800 (monotypy).

Aegomorphus Haldeman, 1847

Aegomorphus Haldeman, 1847a: 45; Casey, 1913: 302; Chagnon, 1938: 272; Chagnon & Robert, 1962: 272; Linsley & Chemsak, 1985: 244; Sama, 1994: 329; Monné, M. A., 1994e: 57(cat.); Chemsak & Hovore, 2002a: 3; Monné, M.A., 2005: 165 (cat.); Monné, M.A. & Hovore, 2006:

203 (checklist); Monné, M.A., 2012: 77; Bousquet. Laplante, Hammond & Langor, 2017: 158; Santos-Silva, Botero & Wappes, 2020: 18, 35

Aethiopoctines (Aegomorphus); Bradley, 1930: 245.

Type-species - *Aegomorphus decipiens* Haldeman, 1847 (monotypy) [= *Lamia modesta* Gyllenhal, 1817].

Acanthoderes; Haldeman, 1847a: 45 (not Audinet-Serville, 1835); LeConte, 1852: 175; Horn, 1880a: 115; Leng & Hamilton, 1896: 114; Wickham, 1897a: 202, 206; Craighead, 1923: 112; Bradley, 1930: 245; Zayas, 1975: 224.

Aethiopoctines Thomson, 1868a: 147; Lacordaire, 1872: 739; LeConte & Horn, 1883: 322.

Aethiopoctines (Aethipoctines); Bradley, 1930: 245.

Type-species - *Aethiopoctines leucogenus* Thomson, 1868 (monotypy).

Psapharochrus; Casey, 1913: 301 (not Thomson, 1864); Knull, 1946: 242; Arnett, 1962: 871.

1. *Aegomorphus arizonicus* Linsley & Chemsak, 1985

Type locality - Holotype male: United States, Arizona: Santa Cruz Co (3 mi N Nogales). (CASC). **Distribution** - United States (Arizona), Mexico (Baja California).

Aegomorphus arizonicus Linsley & Chemsak, 1985: 253; Hovore, 1988: 28 (distr.); Chemsak, Linsley & Noguera, 1992: 130 (cat.); Monné, M.A., & Giesbert, 1994: 232 (cat.); Monné, M.A., 1994e: 34 (cat.); Noguera & Chemsak, 1996: 406 (cat.); Monné, M. A., 2005: 166 (cat.); Monné, M.A. & Hovore, 2006: 203 (checklist); Santos-Silva, Botero & Wappes, 2020: 35; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 486

2. *Aegomorphus modestus* (Gyllenhal, 1817)

Type locality - Holotype male: Finlandia. (NHRS). **Distribution** - From the Nova Scotia peninsula to southern Manitoba, south to Louisiana and southern Florida, Bahamas. **Host plants** - *Acer rubrum* Linnaeus, *A. saccharinum* Linnaeus (Aceraceaae), *Betula populifolia*, *Ostrya virginiana* (Miller) K. Koch (Betulaceae), *Celtis occidentalis* (Cannabaceae), *Cornus florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae), *Sesbania drummondii* (Rydberg) Cory (Fabaceae), *Fagus ferruginea* Aiton, *F. grandifolia* Ehrhart, *Quercus* sp. (Fagaceae), *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Carya* sp. (Juglandaceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Tilia americana* Linnaeus (Malvaceae), *Nyssa sylvatica* Marshall (Nyssaceae), *Fraxinus americana* Linnaeus, *F. nigra* Marshall (Oleaceae), *Pinus contorta* Douglas ex Loudon (Pinaceae), *Crataegus* sp., *Prunus avium* (Linnaeus) Linnaeus, *Pyrus malus* Linnaeus (Rosaceae), *Populus* sp., *Salix* sp. (Salicaceae), *Ulmus* sp. (Ulmaceae).

Lamia modesta Gyllenhal, 1817: 164.

Astynomus modestus; Mulsant, 1862: 291.

Acanthoderes modestus; Seidlitz, 1875: 518.

Acanthoderes (Psapharochrus) modesta; Aurivillius, 1923: 387 (cat., type locality); Zajciw, 1969: 608 (distr.)

Acanthoderes (Aegoschema) modesta; Hoffmann, 1940: 59

Acanthoderes modesta; Hoffmann, 1942: 11 (biol.); Beal & Massey, 1945: 148; Cazier & Lacey, 1952: 50 (distr.); Perry, 1975: 59 (hosts).

Aegoschema modestum; Knull, 1946: 243, pl. XXI, fig. 84; Fattig, 1947: 33.

Aegoschema modesta Dillon & Dillon, 1961: 636, pl. lxiii, No. 9; Gilmour, 1965: 607 (cat.); Browne, Peck & Ivie, 1993: 49 (distr.).

Aegomorphus modestus; Linsley & Chemsak, 1985: 250; Rice, 1985: 1224 (hosts); Gosling, 1986: 155 (hosts); Monné, M.A., & Giesbert, 1994: 232 (cat.); Monné, M.A., 1994e: 34 (cat.); Linsley & Chemsak, 1997: 338 (hosts); Peck & Thomas, 1998: 122 (distr.); Vlasák & Vlasakova, 2002: 214 (hosts, distr.); Monné, M.A. & Hovore, 2006: 203 (checklist); Turnbow & Thomas, 2008: 15 (distr.); Guarnieri, 2009: 18 (distr.); Vlasák, 2014: 319 (hosts); Webster, 2016: 488 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 158, pl. 36; Santos-Silva, Botero & Wappes, 2020: 35; Haack, 2020: 76 (distr.); Vlasak & Vlasakova, 2021: 4, 20

Acanthoderes decipiens LeConte, 1852: 176; 1859: 49; Bland, 1861: 97; LeConte, 1873b: 337; Horn, 1880a: 116; Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 114; Beutenmuller, 1896: 78 (hosts); Dury, 1902: 162 (distr.); Felt, 1906: 429, 473, fig. 119; Smith, 1910: 333; Blatchley, 1910: 1070; Fisher & Kirk, 1912: 314 (distr.); Craighead, 1923:112 (larvae).

Psapharochrus decipiens; Lacordaire, 1872: 751.

Syntypes locality - Syntypes: United States. (MCZN).

3. *Aegomorphus morrisi* (Uhler, 1855)

Type locality - Holotype: United States: Maryland, Baltimore. (USNM). **Distribution** - Eastern North America, Canada?. **Host plants** – *Liriodendron tulipifera* Linnaeus (Magnoliacee), *Nyssa aquatica* Linnaeus, *N. sylvatica* Marshall (Nyssaceae).

Acanthoderes morrisi Uhler. 1855: 417; Bland, 1861: 97 (distr.); LeConte, 1873b: 337; Horn, 1880a: 116; Packard, 1881: 131 (biol.); LeConte & Horn, 1883: 322; Lugger, 1884: 204 (hosts); Packard, 1890: 664 (biol.); Beutenmuller, 1896: 78 (hosts); Leng & Hamilton, 1896: 114; Wickham, 1897a: 207; Ulke, 1903: 23 (distr.); Felt, 1906: 732 (hosts); Blatchley, 1910: 1071; Craighead, 1923: 112 (larva)

Aethiopoctines morrisi Lacordaire, 1872: 740;

Aegomorphus morrisi Casey, 1913: 302; Kirk & Knull, 1926: 43 (distr.); Beaulne, 1932: 219 (hosts); Loding, 1933: 149 (distr.); Herrick, 1935: 194 (biol.); Loding, 1945: 122 (distr.); Linsley & Chemsak, 1985: 248, fig. 55; Chemsak, Linsley & Noguera, 1992: 130 (cat.); MacRae, 1993: 244 (distr.); Monné, M.A., 1994e: 34 (cat.); Monné, M.A., & Giesbert, 1994: 232 (cat.); Yanega, 1996: 133, pl. 26, fig. 301; Linsley & Chemsak, 1997: 339 (hosts); Schiefer, 1998b: 124 (distr.); Morris, 2002: 211 (distr, host); Monné, M.A. & Hovore, 2006: 203 (checklist); MacRae & Rice, 2007: 250 (distr.); Holt, 2013: 252 (distr.); Haack, 2017: 117 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 158, pl. 36; Santos-Silva, Botero & Wappes, 2020: 35

Aethiopoctines leucogenus Thomson, 1868a: 148; 1878: 15 (types)

Type locality - Holotype: Canada. (MNHN)

4. *Aegomorphus peninsularis* (Horn, 1880)

Syntypes locality - Syntypes: Mexico, Baja California. (ANSP). **Distribution** - United States (southern Arizona), Mexico (Baja California Sur, Sinaloa, Colima, Sonora). **Host plants** - *Bursera* sp. (Burseraceae), *Pachycereus pecten-aboriginum* (Engelmann) Britton & Rose, *P. pringlei* (S. Watson) Britton & Rose (Cactaceae), *Hippomane mancinella* Linnaeus (Euphorbiaceae).

Acanthoderes peninsularis Horn, 1880a: 116; Lameere, 1883: 66 (cat.); Horn, 1894: 339 (distr.); Leng *in* Leng & Hamilton, 1896: 114; Schaeffer, 1908a: 345; Linsley, 1934a: 62 (distr.); 1935a: 74; 1942: 24 (distr.).

Acanthoderes (Psapharochrus) peninsularis; Aurivillius, 1923: 387 (cat.).

Aegomorphus peninsularis; Linsley & Chemsak, 1985: 254; Chemsak, Linsley & Noguera, 1992: 130 (cat.); Monné, M.A., & Giesbert, 1994: 232 (cat.); Monné, M.A., 1994e: 35 (cat.); Noguera & Chemsak, 1996: 406 (cat.); Linsley & Chemsak, 1997: 339 (hosts); Monné, M.A., 2001: 38 (cat. hosts); Monné, M.A., 2005: 166 (cat.); Monné, M.A. & Hovore, 2006: 203 (checklist); Noguera & Gutiérrez, 2016: 660 (distr.); Santos-Silva, Botero & Wappes, 2020: 35; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

5. *Aegomorphus quadrigibbus* (Say, 1831)

Type locality - Holotype: United States, Louisiana: near New Orleans. (Depository unknown). **Distribution** – Canada (Ontario), eastern United States to Florida and Texas, northeastern Mexico (Guerrero, Jalisco, Yucatán), Nicaragua, Costa Rica. **Host plants** - *Acer negundo* (Aceraceae), *Annona muricata* Linnaeus (Annonaceae), *Betula* sp. (Betulaceae), *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Celtis* sp. (Cannabaceae), *Castanea* sp., *Fagus ferruginea* Aiton, *Quercus* sp. (Fagaceae), *Carya* sp. (Juglandaceae),

Tilia americana Linnaeus (Malvaceae), *Cedrela mexicana* M. Roemer (Meliaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Ficus* sp. (Moraceae), *Ulmus* sp. (Ulmaceae).

Acanthocinus quadrigibbus Say, 1831: 9; 1835: 195; LeConte, 1859b: 665.

Acanthoderes quadrigibbus; Haldeman, 1847a: 45; LeConte, 1852: 175; Bland, 1861: 97 (distr.); LeConte,1873b: 337; 1880: 237 (hosts); Packard, 1881: 55, 75, 131 (biol.); LeConte & Horn, 1883: 322; Townsend, 1884: 222; Harrington, 1884b: 48 (hosts); Townsend, 1885: 70 (distr.); Chittenden, 1894: 99 (hosts); Knobel, 1895: 34, fig. 102; Hamilton, 1895a: 339 (distr.); Leng *in* Leng & Hamilton, 1896: 114; Wickham, 1897a: 206; Harrington, 1897: 74 (hosts); Smith, 1900: 294 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 26 (distr.); Felt, 1906: 702, 715 (biol.); Smith, 1910: 333; Blatchley, 1910: 1070, fig. 459; Fisher & Kirk, 1912: 314 (distr.); Johnson, 1915: 315 (distr.); Nicolay, 1919: 70 (distr.); Craighead, 1923: 113 (larva); Turnbow & Franklin, 1980: 344 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 159, pl. 37

Psapharochrus quadrigibbus; Lacordaire, 1872: 751; Casey, 1913: 301; Champlain, Kirk & Knull, 1925: 140 (hosts); Kirk & Knull, 1926: 42 (distr.); Leonard, 1928: 451 (distr.); Beaulne, 1932: 219 (hosts); Pechuman, 1937: 12 (biol.); Brimley, 1938: 217; Kaston, 1938: 239 (biol.); Hoffman, 1942: 11; Knull, 1944: 92 (distr.); Beal & Massey, 1945: 148 (biol.); Loding, 1945: 122 (distr.); Knull, 1946: 243, pl. 23, fig. 92; Fattig, 1947: 33 (distr.); Monné, M.A., 2005: 211 (cat.); Audureau & Roguet, 2018: 76 (distr.).

Acanthoderes quadrigibba; Gemminger *in* Gemminger & Harold, 1873: 3146 (cat.); Horn, 1880a: 115; Franz, 1954: 226 (distr.); Duffy, 1960: 214 (larva, biol.); Rice & Enns, 1981: 92 (distr., hosts); Chemsak & Hovore, 2002b: 12, figs. 8, 9; Monné, M.A. & Hovore, 2006: 202 (checklist)

Guarnieri, 2009: 18 (distr.); Swift *et al*., 2010: 45 (distr.); Maes *et al.*, 2010: 319, 1 fig. (distr.); Audureau, 2010: 8 (distr.); Hernández-Fuentes *et al*., 2018: 544 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 159, pl. 37.

Acanthoderes 4-gibbus; Riley, 1880a: 270 (hosts); Packard, 1890: 91, 221, 291, 520, fig. 11 (biol.); Caulfield, 1890: 66 (hosts); Beutenmuller, 1896: 78 (hosts).

Aegomorphus quadrigibbus; Linsley & Chemsak, 1985: 246 (syn.); Hovore, Penrose & Neck, 1987: 316 (distr.); Chemsak, Linsley & Noguera, 1992: 131 (cat.); Lingafelter & Horner, 1993: 183 (distr.); MacRae, 1993: 244 (distr.); Monné, M.A., & Giesbert, 1994: 232 (cat.); Monné, M.A., 1994e: 35 (cat.); Noguera & Chemsak, 1996: 406 (cat.); Linsley & Chemsak, 1997: 339 (hosts); Peck & Thomas, 1998: 122 (distr.); Schiefer, 1998b: 125 (distr.); Monné, M.A., 2001: 39 (cat. hosts); Vlasák & Vlasakova, 2002: 214 (hosts); Santos-Silva, Botero & Wappes, 2020: 35; Vlasak & Vlasakova, 2021: 4, 20; Heffern, Santos-Silva & Botero, 2022: 7, figs 3g, h; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

Acanthoderes 4-gibbus; Riley, 1880a: 270 (hosts); Packard, 1890: 91, 221, 291, 520, fig. 11 (biol.); Caulfield, 1890: 66 (hosts); Beutenmuller, 1896: 78 (hosts).

Acanthoderes (Psapharochrus) quadrigibba; Aurivillius, 1923: 387 (cat.).

Psapharochrus quadrigibbus lucidus Knull, 1958: 282; Chemsak, 1977a: 178 (type).

Acanthoderes (Psapharochrus) quadrigibba lucidus; Gilmour, 1965: 613 (cat.).

Type locality - Holotype female: United States, Texas: Brownsville. (FMNH).

Oplosia Fairmaire, 1864

Oplosia Mulsant, 1862: 300; Lacordaire, 1872: 633; Bradley, 1930: 244; Knull, 1946: 262; Linsley & Chemsak, 1985: 255; Monné, M.A., 1994e: 36; Monné, M.A. & Hovore, 2006: 206 (checklist);

Hoplosia; Fairmaire, 1868: 158; LeConte, 1873b: 341; LeConte & Horn, 1883; 326; Leng & Hamilton, 1896: 134; Wickham, 1897a: 203; Blatchley, 1910: 1080; Craighead, 1923: 125; Chagnon, 1938: 275; Arnett, 1962: 870; Chagnon & Robert, 1962: 275

Type species - *Cerambyx fennicus* Paykull, 1800 (*nec* Linnaeus 1758 (= *Exocentrus cinereus* Mulsant, 2939) (monotypy)

Lepargus Schiodte, 1864: 212

Type species - *Cerambyx fennicus* Paykull, 1800 (monotypy)

1. *Oplosia nubila* (LeConte, 1852)

Type locality - Holotype: United States, Northern New York (MCZN). **Distribution** - Northeastern North America, in Canada, it occurs from southern New Brunswick to the Sault Ste. Marie area in Ontario. **Host plants** - *Acer rubrum* Linnaeus (Aceraceae), *Fagus ferrugínea* Aiton, *F. grandifolia* Ehrhart (Fagaceae), *Tilia americana* Linnaeus (Malvaceae), *Fraxinus americana* Linnaeus (Oleaceae). *Ulmus americana* Linnaeus (Ulmaceae).

Pogonocherus nubilus LeConte, 1862: 39; Packard, 1890: 475 (hosts)

Hoplosia nubila; LeConte, 1873b: 340; Riley, 1880a: 271 (hosts); Packard, 1881: 131 (biol.); LeConte & Horn, 1883: 326; Packard, 1890: 520 (biol.); Hopkins, 1893: 197 (biol.); Leng & Hamilton, 1896: 134; Beutenmuller, 1896: 80 (hosts); Harrington, 1897: 74 (hosts); Wickham, 1898a: 42; Ehrmann, 1900: 620 (distr.); Klages, 1901: 273 (distr.); Ouellet, 1902: 123 (distr.); Gibson, 1904: 60 (biol.); Stevenson, 1905: 91 (biol.); Chagnon, 1905b: 35 (distr.); Felt, 1906: 722 (hosts); Blatchley, 1910: 1080; Fisher & Kirk, 1912: 315 (distr.); Frost, 1916: 389 (distr.); Morris, 1916a: 19; 1916b: 199; 1918: 110; 1919: 52; Chagnon, 1917: 237 (distr.); Craighead, 1923: 125 (larva); Leonard, 1928: 454 (distr.); Beaulne, 1932: 220 (hosts); Chagnon, 1938: 275, pl. 19, fig. 2; Chagnon & Robert, 1962: 275, pl. 19, fig. 2; Gosling & Gosling, 1976: 23; Laliberté, Chantal & LaRochelle, 1977: 94 (distr., hosts)

Oplosia nubila; Knull, 1946: 262, pl. 23, fig. 94; Gardiner, 1970: 116; Breuning, 1974a: 37 (revis.); Gosling, 1984: 72 (hosts); Linsley & Chemsak, 1985: 256, fig. 57; Gosling, 1986: 157 (hosts); Chemsak, Linsley & Noguera, 1992: 131 (cat.); Monné., M.A., 1994e: 36 (cat.); Monné, M.A., & Giesbert, 1994: 235 (cat.); Krinsky & Godwin, 1996: 239; Yanega, 1996: 133, pl. 25, fig. 290; Linsley & Chemsak, 1997: 413 (hosts); Vlasák & Vlasakova, 2002: 214 (distr., hosts); Dajoz, 2005: 194 (hosts); Monné, M.A. & Hovore, 2006: 206 (checklist); MacRae & Rice, 2007: 256 (distr.); Webster *et al*., 2016: 117 (distr., hosts); Webster, 2016: 488 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 159, pl. 37; Maier, 2020: 84

Peritapnia Horn, 1894

Peritapnia Horn, 1894: 402; Leng & Hamilton, 1896: 133; Bradley, 1930: 243; Arnett, 1962: 869, 890; Marinoni, 1972: 6; Linsley & Chemsak, 1985: 242; Monné, M.A., 1994e: 73 (cat.); Monné, M.A., 2005: 197 (cat.); Monné, M.A. & Hovore, 2006: 208 (checklist); Monné, M.A., 2012: 79.

Type-species - *Tapeina (?) nudicornis* Bates, 1885 (original designation).

1. *Peritapnia fabra* Horn, 1894

Type locality - Holotype: United States, Arizona: Tucson. (ANSP). **Distribution** - United States (southern Arizona), Mexico (Baja California, Sinaloa, Sonora). **Host plants** - *Veatchia discolor* T. S. Brandegee (Anacardiaceae), *Opuntia* sp. (Cactaceae).

Peritapnia fabra Horn, 1894: 404; Leng & Hamilton, 1896: 134; Hamilton *in* Leng & Hamilton, 1896: 176, 177; Wickham, 1898b: 307; Linsley, 1942: 75; Linsley & Chemsak, 1985: 242, fig. 54; Chemsak, Linsley & Noguera, 1992: 132 (cat.); Monné, M.A., & Giesbert, 1994: 237 (cat.); Monné, M.A., 1994e: 73 (cat.); Noguera & Chemsak, 1996: 406 (cat.); Monné, M.A., 2001: 46 (cat. hosts); Monné, M.A., 2005: 197 (cat.); Monné, M.A. & Hovore, 2006: 208 (checklist); Noguera *et al.*, 2009: 89 (distr.); Santos-Silva & Nascimento, 2019; 4, FIGS 5-8; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

Acanthoderes wickhami Leng *in* Leng & Hamilton, 1896: 114.

Syntypes locality – Syntypes male: United States, Arizona: Tucson Mts. (AMNH).

AGAPANTHIINI Mulsant, 1839

Agapanthiaires Mulsant, 1839: 165, 172; Planet, 1924: 302.

Agapanthites; Lacordaire, 1872: 414, 829.

Agapanthiini; Reitter, 1912: 65; Aurivillius, 1923: 458 (cat.); Heyrovsky, 1955: 277; Breuning, 1961a: 183 (cat.); 1962a: 5 (rev.); Monné, M.A., 1994b: 36 (cat.); Monné, M.A., 2005: 245 (cat.); Bousquet *et al*., 2009: 25; Bouchard *et al*., 2011: 487.

Type-genus: *Agapanthia* Audinet-Serville, 1835.

Type-species: *Cerambyx cardui* Linnaeus, 1767 designated by Westwood (1838: 41).
Hippopsitae Thomson, 1860: 5, 123; 1864: 94; 1865: 388.
Hippopsinae; Pascoe, 1864: 8; 1866: 323.
Hippopsides; Lacordaire, 1872: 414, 690.
Hippopsini; LeConte, 1873b: 345; Bates, 1880: 128; LeConte & Horn, 1883: 330; Aurivillius, 1923: 353 (cat.); Bradley, 1930: 242; Heyrovsky, 1955: 268; Linsley & Chemsak, 1985: 228.
Type-genus: *Hippopsis* Lepeletier and Audinet-Serville, 1825.
Type-species: *Hippopsis lineolata* Lepeletier and Audinet-Serville, 1825 designated by Thomson (1864: 97). Comment. Although Thomson (1864: 97) listed *Saperda lemniscata* Fabricius, not an originally included species, as type species of *Hippopsis*, the fact that he listed *Hippopsis lineolata* Lepeletier and Audinet-Serville, one of the two originally included species in *Hippopsis*, at the same time in synonymy with *Saperda lemniscata* Fabricius, he is deemed to have designed *Hippopsis lineolata* Lepeletier and Audinet-Serville, 1825 as type species (Article 69.2.2). *Saperda lemniscata* Fabricius, 1801 was doubtfully included in *Hippopsis* by Lepeletier and Audinet-Serville (1825: 336) and so the species is not an originally included species (Article 67.2.5). (Bousquet *et al.,* 2009: 25).
Nemotragitae Thomson, 1864: 93.
Type-genus: *Nemotragus* Westwood, 1843
Type-species: *Nemotragus helvolus* Westwood, 1843 (monotypy).
Anauxesitae Thomson, 1864: 94
Type-genus: *Anauxesis* Thomson, 1857.
Type-species: *Nemotragus calabaricus* Chevrolat, 1855 designated by Thomson (1864: 94).
Aprosopitae Thomson, 1864: 95; 1865: 388.
Type-genus: *Aprosopus* Guérin-Méneville, 1844
Type-species: *Aprosopus buquetii* Guérin-Méneville, 1844 (monotypy).
Aegoprepinae Pascoe, 1871: 268, 277.
Type-genus: *Aegoprepes* Pascoe, 1871
Type-species: *Aegoprepes antennator* Pascoe, 1871 (monotypy).
Pachypézides Lacordaire, 1872: 414, 691.
Pachypezini; Dillon & Dillon, 1945b: 11.
Type-genus: *Pachypeza* Audinet-Serville, 1835
Type-species: *Saperda pennicornis* Germar, 1823 (monotypy).
Spalacopsides Lacordaire, 1872: 414, 701.
Spalacopsini; Aurivillius, 1923: 360 (cat.); Bradley, 1930: 242, 245.
Type-genus: *Spalacopsis* Newman, 1842.
Type-species: *Spalacopsis stellio* Newman, 1842 designated by Thomson (1864: 95).
Didymonychini Aurivillius,1922b: 435; 1923: 604 (cat.); Tippmann, 1951: 292.
Type-genus: *Didymonycha* Aurivillius, 1922
Type-species: *Didymonycha singularis* Aurivillius, 1922 (monotypy).
Amillarinen Aurivillius, 1925: 524.(based on *Amillarus* Thomson, 1857). **Nomen nudum**. Comment. This name is unavailable under Article 11.7 (vernacular name proposed after 1899).
Hippopsiconini Dillon and Dillon, 1945b: 11.
Type-genus: *Hippopsicon* Thomson, 1858
Type-species: *Hippopsicon lacteolum* Thomson, 1858 (monotypy).

***Hippopsis* Lepeletier & Audinet-Serville, 1825**

Hippopsis Lepeletier & Audinet-Serville *in* Latreille, 1825: 336; Audinet-Serville, 1835: 41; Drapiez, 1839: 451; Laporte, 1840: 493; Blanchard, C.E., 1845: 162; Chevrolat *in* D'Orbigny, 1845: 632; Haldeman, 1847a: 54; LeConte, 1852: 145; Desmarest *in* Chenu, 1860: 326; Thomson, 1860: 124; 1864: 97; 1865: 389; Strauch, 1861: 137; Pascoe, 1865b: 126; Bates, 1866: 38; Desmarest *in* Chenu, 1870: 326; Lacordaire, 1872: 698; LeConte, 1873b: 345; Bates, 1880: 128; LeConte & Horn, 1883: 330; Leng & Hamilton, 1896: 143; Blatchley, 1910: 1083: Bradley, 1930: 242; Knull, 1946: 266; Dillon & Dillon, 1961: 636; Breuning, 1962a: 6 (rev.); Arnett, 1962: 869, 892; Marinoni, 1977a: 45; Linsley & Chemsak, 1985: 229; Monné, M.A., 1994b: 36 (cat.); Monné, M.A., 2005: 248 (cat.); Monné, M.A. & Hovore, 2006: 217 (checklist); Monné, M.A., 2012: 83

Hippopsis (Hippopsis); Breuning, 1961a: 197 (cat.); 1962: 9 (rev.); Monné, M.A., 2005: 249 (cat.).

Type-species - *Hippopsis lineolatus* Lepeletier & Audinet-Serville, 1825 (subsequent designation, Thomson, 1864: 97).

1. *Hippopsis lemniscata lemniscata* (Fabricius, 1801)

Syntypes locality - Syntypes: Carolina. (MNHN). **Distribution** – Canada, it is known only from southernmost Ontario. Eastern United States to Texas, Mexico, Guatemala, Honduras, Nicaragua (Matagalpa, Jinotega), Colombia (Atlantico) **Host plants** - *Amaranthus* sp. (Amaranthaceae), *Ageratum* sp., *Ambrosia artemisiifolia* Linnaeus, *A. trifida* Linnaeus, *Aster spinosus* Bentham, *Bidens* sp., *Coreopsis* sp., *Erechtites* sp., *Erigeron ramosus* Britton, Stern & Poggenburg, *Helianthus* sp., *Polymnia canadensis* Linnaeus, *Rudbeckia* sp., *Vernonia interior* Small, *Xanthium* sp. (Asteraceae), *Melothria pendula* Linnaeus (Cucurbitaceae), *Desmodium elegans* Bentham , *Glycine* sp. (Fabaceae), *Sesamum indicum* Linnaeus (Pedaliaceae).

Saperda lemniscata Fabricius, 1801: 330; Schoenherr, 1817: 436; Zimsen, 1964: 177 (type).

Hippopsis lemniscata; Lepeletier & Audinet-Serville *in* Latreille, 1825: 336; Haldeman, 1847a: 54; LeConte, 1852: 145; Bland, 1861: 99; Thomson, 1864: 97; Lacordaire, 1872: 698; Popenoe, 1877: 34 (distr.); Riley, 1880a: 271 (biol.); Bates, 1880: 128 (distr.); Lugger, 1884: 204 (hosts); Leng & Hamilton, 1896: 144; Beutenmuller, 1896: 80 (hosts); Castle & Laurent, 1897: 8 (distr.); Slosson, 1899: 126 (distr.); Smith, 1900: 296 (distr.); Klages, 1901: 273, 290 (distr.); Dury, 1902: 263 (distr.); Ulke, 1903: 163 (distr.); McAtee, 1908: 26, 32, 85 (biol.); Wickham, 1909a: 29 (distr.);1909b: 402 (distr.); Blatchley, 1910: 1083 (distr.); Leng, 1910: 78 (distr.); Smith, 1910: 335 (distr.); Fisher & Kirk, 1912: 315 (distr.); Nicolay, 1919: 71 (distr.); Craighead, 1923: 134, pl. 2, fig. 13, pl. 7, fig. 11, pl. 13, fig. 7, pl. 17, figs. 17, 18, pl. 24, fig. 13, pl. 31, fig. 1 (larva, pupa); Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 455 (distr.); Knull, 1930: 102 (hosts); Kelly, 1931: 170; Linsley & Martin, 1933: 183 (distr.); Gaines, 1933: 52 (distr.); Brimley, 1938: 219 (distr.); Schwitzgebel & Wilbur, 1942: 41(biol.); Loding, 1945: 124 (distr.); Knull, 1946: 266, pl. 22, fig. 89; Fattig, 1947: 41 (distr.); Hicks, 1947: 117; Vogt, 1949: 184 (distr.); Muma *et al*., 1950: 479 (control); Genung, 1952: 124; Peterson, 1953: 112, fig. C14a (larva); Genung, 1960: 105; Dillon & Dillon, 1961: 636, pl. 63, No. 7; Genung & Allen, 1962: 158; Genung & Green, 1962: 141; 1965: 29, figs. 1, 2; Kirk, 1969: 87 (biol.); Harris & Piper, 1970: 138; Kirk & Balsbaugh, 1975: 100 (distr.); Gosling & Gosling, 1976: 24, fig. 138 (biol.); Piper, 1977: 273, figs. 1-5 (biol.); Rogers, 1977b: 834 (biol.); Dailey, Graves & Kingsolver, 1978: 226; Chemsak, Linsley & Mankins, 1980: 35 (distr.); Turnbow & Franklin, 1980: 346 (distr.); Linsley & Chemsak, 1985: 229; Waters & Hyche, 1984: 285 (distr.); Hovore, Penrose & Neck, 1987: 315 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 127 (cat.); Lingafelter & Horner, 1993: 183 (distr.); MacRae, 1993: 244 (distr.); Maes *et al*., 1994: 39 (distr., hosts); Monné, M.A., & Giesbert, 1994b: 192 (cat.); Monné, M.A., 1994b: 37 (cat.); Noguera & Chemsak, 1996: 405 (distr.); Linsley & Chemsak, 1997: 382 (hosts); Maes, 1998: 919 (distr.); Monné, M.A., 2001: 58 (cat. hosts); Turnbow, Cave & Thomas, 2003: 22 (distr.); Hovore, 2006: 375 (distr.); Wappes *et al.,* 2006: 25 (distr.); Monné, M.A. & Hovore, 2006: 203 (checklist); Fothergill, Woodley & Tindall, 2010: 637 paras.); Morales-Morales *et al*., 2012: 38 (biol.); Noguera *et al*., 2012: 622 (distr.); Steury & MacRae, 2014: 11 (distr.); García Morales *et al*., 2015: 108 (distr.);

Bousquet, Laplante, Hammond & Langor, 2017: 158, pl. 37; Klingerman *et al*., 2017: 298; (distr.); Haack, 2017: 111; Audureau & Roguet, 2018: 77 (distr.).

Hippopsis lemniscatus; Laporte, 1840: 493; Thomson, 1860: 124; Dozier, 1918: 335 (distr.)

Hippopsis lemnistica; Hamilton, 1895b: 320 (error).

Hippopsis (Hippopsis) lemniscata; Breuning, 1962a: 9.

Hippopsis lemniscata lemniscata; Monné, M.A., 2005: 250 (cat.); Martins & Galileo, 2006: 483, fig. 27; Maes *et al.*, 2010: 282, 11 figs (distr.) Galileo, Santos-Silva & Heffern, 2017: 177, 178; Audureau & Roguet, 2018: 77; Vlasak & Vlasakova, 2021: 4, 21/

; Garcia, Botero & Santos-Silva, 2021: 102; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 488

Hippopsis lineolata; Bates, 1872: 202 (distr.); 1880: 128, pl. 9, fig. 18; 1885: 370 (distr.); Schaeffer, 1908a: 328 (distr.) (not Lepeletier & Audinet-Serville, 1825).

Hippopsis lineola; Fattig, 1947: 41 (error).

Spalacopsis **Newman, 1842**

Spalacopsis Newman, 1842: 303, 305; Thomson, 1864: 95; 1865: 388; Lacordaire, 1872: 704; LeConte, 1873b: 345; Bates, 1880: 129; LeConte & Horn, 1883: 330; Casey, 1891: 61; Leng & Hamilton, 1896: 143; Casey, 1913: 354; Bradley, 1930: 245; Arnett, 1962: 871; Breuning, 1962a: 41 (rev.); Tyson, 1973: 118 (rev.); Zayas, 1975: 213; Marinoni, 1977a: 49; Linsley & Chemsak, 1985: 231; Monné, M.A., 1994b: 46 (cat.); Monné, M. A., 2005: 256 (cat.); Monné, M.A. & Hovore, 2006: 218 (checklist); Monné, M.A., 2012: 83.

Spacalopsis; LeConte, 1852: 145 (error).

Spalacopsis (Spalacopsis); Casey, 1913: 355; Tyson, 1973: 130.

Type-species - *Spalacopsis stellio* Newman, 1842 (Thomson subsequent designation, Thomson, 1864: 85) [=*Hippopsis filum* Klug, 1829].

Eutheia Dejean, 1835: 353 (not Stephens, 1830); Chevrolat *in* D'Orbigny, 1844: 532; Guérin-Méneville, 1844: 247; Bousquet & Bouchard, 2013: 81.

Type-species - *Hippopsis filum* Klug, 1829 (monotypy).

Euthuorus Jacquelin DuVal *in* Sagra, 1857: 276 (*nom. nov. pro Eutheia* Dejean, 1835); Thomson, 1860: 126; 1864: 95; 1865: 388.

Spalacopsis (Euthuorus); Casey, 1913: 355; Tyson, 1973: 121.

Systene Pascoe, 1858: 164 (*nom. nov. pro Eutheia* Guérin-Méneville, 1844).

1. ***Spalacopsis chemsaki*** **Tyson, 1973**

Type locality - Holotype female: United States: Florida: Lake Ashby, Volusia County (USNM). **Distribution** - United States (Florida).

Spalacopsis (s.str.) chemsaki Tyson, 1973: 130, fig. 13

Spalacopsis chemsaki; Linsley & Chemsak, 1985: 234; Chemsak, Linsley & Noguera, 1992: 128 (cat.); Monné, M.A., 1994b: 47 (cat.); Monné, M.A., & Giesbert, 1994b: 193 (cat.); Monné, M.A., 1994e: 34 (cat.); Peck & Thomas, 1998: 122 (distr.); Monné, M.A. & Hovore, 2006: 218 (checklist); Lingafelter *et al*. 2014: 40, fig. 42 c (holotype)

2. ***Spalacopsis filum costulatum*** **Casey. 1913**

Type locality - Lectotype: United States, Florida; Biscayne Bay. (USNM). **Distribution** - United States (Southern half of Florida). **Host plants** – *Bursera simaruba* (Linnaeus) Sargent (Burseraceae), *Conocarpus erectus* Linnaeus (Combretaceae), *Ipomoea aculeata* Kuntze, *I. alba* Linnaeus (Convolvulaceae), *Melothria pendula* Linnaeus (Cucurbitaceae), *Lysiloma latisiliqua* (Linnaeus) Bentham (Mimosaceae).

Spalacopsis (Euthuorus) costulata Casey, 1913: 355

Spalacopsis costulata; Aurivillius, 1923: 361 (cat.)

Spalacopsis (Euthuorus) filum costulatum; Tyson, 1973: 124, figs 6, 9, 11;

Spalacopsis filum costulatum; Turnbow & Hovore, 1979: 227 (hosts); Linsley & Chemsak, 1985: 233; Chemsak, Linsley & Noguera, 1992: 128 (cat.); Monné, M.A., 1994b: 47 (cat.); Monné, M.A., & Giesbert, 1994b: 193 (cat.); Monné, M.A., 1994b: 34 (cat.); Linsley & Chemsak, 1997: 433 (hosts); Peck & Thomas, 1998: 122 (distr.); Chalumeau & Touroult, 2005: 163

(hosts); Monné, M.A. & Hovore, 2006: 218 (checklist); Lingafelter *et al*., 2014: 47, fig. 49 o (lectotype).

Spalacopsis (Euthuorus) scapalis Casey, 1913: 355; Lingafelter *et al*., 2014: 315, fig. 149 o (holotype)

Type locality - Holotype male: United States, Florida: Palm Beach (USNM)

Spalacopsis confusa Casey, 1924: 293; Lingafelter *et al*., 2014: 44, fig. 45 s (holotype)

Type locality – Holotype: United States. Florida: Cape Sable (USNM)

3. *Spalacopsis stolata* Newman, 1842

Type locality - Holotype female: United States. Florida: St. John's Bluff, Duval County (BMNH). **Distribution** - United States (Eastern Florida. **Host plants** - *Flaveria linearis* Lagerheim (Asteraceae), *Chenopodium botrys* Linnaeus (Chenopodiaceae).

Spalacopis stolata Newman, 1842: 304; Haldeman, 1847b: 376; LeConte, 1852: 145; Melsheimer, 1853: 110 (cat.); Lacordaire, 1872: 704; LeConte, 1875: 174; 1878: 470 (distr.); Horn, 1885b: 6; Schwarz, 1888: 93 (hosts); Casey, 1891: 91; Leng & Hamilton, 1896: 146; 25, fig. 288; Casey, 1913: 357; Craighead, 1923: 134, pl. 7, fig. 16 (larva); Breuning, 1961a: 205 (syn., cat.); 1962: 43 (revis.); Tyson, 1973: 131, fig. 7 (syn.); Turnbow & Hovore, 1979: 227 (biol.); McCoy & Rey, 1981: 408 (distr.); Linsley & Chemsak, 1985: 233; Chemsak, Linsley & Noguera, 1992: 128 (cat.); Monné, M.A., 1994b: 48 (cat.); Monné, M.A., & Giesbert, 1994b: 193 (cat.); Browne & Peck, 1996: 2159; Linsley & Chemsak, 1997: 433 (hosts); Peck & Thomas, 1998: 122 (distr.); Monné, M.A. & Hovore, 2006: 219 (checklist);

Spalacopsis pertenuis Casey, 1913: 357, Lingafelter *et al*., 2014: 298, fig. 130 k (holotype)

Type locality - Holotype male: United States, Florida: Palm Beach. (USNM).

4. *Spalacopsis suffusa* Newman. 1842

Syntypes locality - Syntypes: United States. Florida: St. John's Bluff, Duval County (BMNH). **Distribution** - United States, Western Florida.

Spalacopis suffusa Newman, 1842: 304; LeConte, 1852: 145; Melsheimer, 1853: 110 (cat.); Horn, 1885b: 6; Casey, 1891: 51 (in key); Slosson, 1895c: 9 (distr.); Leng & Hamilton, 1896: 145 (cat.); Casey, 1913: 256; Blatchley, 1925: 167; Breuning, 1962a: 205 (revis.); Tyson, 1973: 132, figs 12, 19 (syn.); Linsley & Chemsak, 1985: 235; Chemsak, Linsley & Noguera, 1992: 128 (cat.); Monné, M.A., 1994b: 49 (cat.); Monné, M.A., & Giesbert, 1994b: 193 (cat.); Browne & Peck, 1996: 2159 (distr.); Peck & Thomas, 1998: 122 (distr.); Monné, M.A. & Hovore, 2006: 218 (checklist);

Spalacopsis suturalis Hamilton, 1896: 15; Casey, 1913: 256; Lingafelter *et al*., 2014: 330, fig. 167 e (lectotype)

Type locality - Lectotype: United States, Southern Florida: Punta Gorda (USNM)

Spalacopsis exilis Casey, 1924: 294; Lingafelter *et al*., 2014: 59, fig. 52 w (holotype)

Type locality - Holotype: United States, Florida: Chokoloskee, Collier County. (USNM).

5. *Spalacopsis texana* Casey, 1891

Type locality - Holotype female: United States, Texas. (USNM), **Distribution** - United States (Texas), Mexico (Tamaulipas). **Host plants** - *Andropogon scoparius* Michaux (Poaceae), *Lantana* sp. (Verbenaceae).

Spalacopsis texana Casey, 1891: 51; Leng & Hamilton, 1896: 146; Casey, 1913: 356; Breuning, 1962a: 44 (rev.); Tyson, 1973: 133, figs. 15, 18; Linsley & Chemsak, 1985: 235; Rice, Turnbow & Hovore, 1985: 22 (hosts); Hovore, Penrose & Neck, 1987: 316 (distr.); Chemsak, Linsley & Noguera, 1992: 128 (cat.); Monné, M.A., & Giesbert, 1994b: 193 (cat.); Monné, M.A., 1994b: 49 (cat.);Linsley & Chemsak, 1997: 434 (hosts); Monné, M.A. & Hovore, 2006: 219 (checklist); Lingafelter *et al*., 2014: 332, fig. 169k (holotype); García Morales *et al*., 2015: 108 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 488

ANISOCERINI Thomson, 1860

Anisocérites Thomson, 1860:3, 28, 31; 1861: 339; 1864: 22, 352.

Anisocerinae; Bates, 1862: 446.
Anisocérides; Lacordaire, 1872: 716.
Anisocerini; Aurivillius, 1923: 366 (cat.); Bradley, 1930: 242; Lane, 1973b: 138 (syn.); Villiers, 1980b: 585; Linsley & Chemsak, 1985: 237; Monné, M.A., 1994e: 1 (cat.); Monné, M.A., 2005: 259 (cat.); Bousquet *et al*., 2009: 26; Bouchard *et al*., 2011 : 488.
Type-genus: *Anisocerus* Lacordaire, 1830
Type-species: *Anisocerus penicillatus* Lacordaire, 1830 (monotypy).
Onychoceritae Thomson, 1864: 19, 351.
Type-genus: *Onychocerus* Lacordaire, 1830
Type-species: *Cerambyx scorpio* Fabricius, 1781 (monotypy).
Platysternides Lacordaire, 1872: 415 (key), 729.
Platysternini; Aurivillius, 1923: 371 (cat.).
Type-genus: *Platysternus* Dejean, 1835
Type-species: *Cerambyx hebraeus* Fabricius, 1781 (monotypy). Availability (under Article 11.7.2): Platysternini Lacordaire, 1872 (Aurivillius 1923: 371).
Comment. This family-group name is a junior homonym of Platysternidae Gray, 1869 (based on *Platysternon* Gray, 1831 [Reptilia]). The case is to be referred to the Commission for a ruling to remove the homonymy (Article 55.3.1). (Bousquet, 2009: 26).

Thryallis Thomson, 1858

Thryallis, 1858: 409; 1860: 31; 1864: 20, 351; Lacordaire, 1872: 719; Bates, 1880: 131; Bradley, 1930: 242; Arnett, 1962: 869, 890; Linsley & Chemsak, 1985: 238; Monné, M.A., 1994e: 3 (cat.);Chemsak & McCarty, 1997: 101 (rev.); Monné, M.A., 2005: 271 (cat.); Monné, M.A. & Hovore, 2006: 222 (checklist); Monné, M.A., 2012: 85.
Type-species - *Thryallis maculosus* Thomson, 1858 (subsequent designation, Thomson, 1864: 21).

1. *Thryallis undatus* (Chevrolat, 1834)

Syntypes locality - Syntypes male and female: Mexico, Veracruz: Minas de Zimapán. (BMNH). **Distribution** - United States (Southern Texas), Mexico (Hidalgo, Mexico, Veracruz, Chiapas, Oaxaca, Michoacán, Mexico, Jalisco, Tamaulipas, Quintana Roo), Guatemala, Honduras. **Host plants** - *Celtis berlandieri* Klotzch, *C. laevigata* Willdenow (Cannabaceae), *Leucaena pulverulenta* (Schlechtendal) Bentham, *Pithecellobium flexicaule* (Bentham) Coulter, *Vachellia farnesiana* (Linnaeus) Wight. & Arn. (Mimosaceae), *Forestiera* sp. (Oleaceae).

Onychocerus undatus Chevrolat, 1834: 61.
Thryallis undatus; Thomson, 1858: 410; 1860: 32; Lacordaire, 1872: 720; 1876: pl. 106, figs. 3, 3a; Bates, 1880: 131 (distr.); 1885: 374 (distr.); Schaeffer, 1904: 225; 1908a: 328 (distr.); Linsley & Martin, 1933: 181 (distr.); Vogt, 1949: 179 (distr., hosts); Arnett, 1962: 890; Turnbow & Wappes, 1981: 77 (biol.); Hovore & Penrose, 1982: 26 (biol.); Linsley & Chemsak, 1985: 238, fig. 53; Rice, Turnbow & Hovore, 1985: 22 (biol., hosts); Hovore, Penrose & Neck, 1987: 316, fig. 16 (hosts); Chemsak, Linsley & Noguera, 1992: 129 (cat.); Monné, M.A., & Giesbert, 1994e: 227 (cat.); Monné, M.A., 1994e: 4 (cat.);Noguera & Chemsak, 1996: 405 (cat.); Linsley & Chemsak, 1997: 443 (hosts); Chemsak & McCarty, 1997: 105, fig. 4; Monné, M.A. 2001: 61 (cat hosts); Toledo. *et al*., 2002: 531 (distr.); Turnbow, Cave & Thomas, 2003: 27 (distr.); Monné, M.A., 2005: 272 (cat.); Hovore, 2006: 376 (distr.); Monné, M.A. & Hovore, 2006: 222 (checklist); Noguera *et al*., 2012: 622 (distr.); Noguera & Gutiérrez, 2016: 660 (distr.); Noguera *et al*., 2017: 11 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 485

APOMECYNINI Thomson, 1860

Apomecynites Thomson, 1860: 3 [as Apomecinitae] (key), 66, 68; 1861: 346; 1864: 44; 1865: 363.
Apomecyninae; Pascoe, 1864: 5; 1865: 138.
Apomécynides; Lacordaire, 1872: 595.
Apomecynini; Bates, 1880: 103; Aurivillius, 1922a: 278 (cat.); Breuning, 1971: 209 (rev.); Villiers, 1980b: 542; Linsley & Chemsak, 1985: 119; Monné, M.A., 1994b: 1 (cat.); Monné, M.A., 2005: 274 (cat.); Bousquet *et al*., 2009: 26; Bouchard *et al*., 2011: 489.
Type-genus: *Apomecyna* Dejean, 1821
Type-species: *Saperda alboguttata* Megerle, 1802 (monotypy).
Agennopsides Lacordaire, 1872: 595. (based on *Agennopsis* Thomson, 1857). **Nomen nudum**. Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Lacordaire 1872).
Adétides Lacordaire, 1872: 413 (key), 595.
Adetini; Aurivillius, 1922a: 288 (cat.); Bradley, 1930: 242, 244; Linsley & Chemsak, 1985: 111.
Type-genus: *Adetus* LeConte, 1852
Type-species: *Polyopsia analis* Melsheimer, 1847 (monotypy). Availability (under Article 11.7.2): Adetini Lacordaire, 1872 (Aurivillius 1922a: 288).
Ptéricoptides Lacordaire, 1872: 416, 601.
Type-genus: *Ptericoptus* Lacordaire, 1830
Type-species: *Ptericoptus dorsalis* Audinet-Serville, 1835 by subsequent monotypy in Audinet-Serville (1835: 61). Availability (under Article 11.7.2): Ptericoptini Lacordaire, 1872 (Aurivillius 1922a: 294). Comment. Lacordaire (1830: 185) did not originally include any available species in his genus *Ptericoptus* although he described it. The first available species directly associated with it was *Ptericoptus dorsalis* Audinet-Serville by Audinet-Serville (1835: 61).
Ectatosiides Lacordaire, 1872: 708.
Type-genus: *Ectatosia* Pascoe, 1857.
Type-species: *Ectatosia moorei* Pascoe, 1857 (monotypy).
Ischiolonchides Lacordaire, 1872: 414 (key), 709.
Ischiolonchini; Aurivillius, 1923: 364 (cat.).
Type-genus: *Ischioloncha* Thomson, 1860.
Type-species: *Ischioloncha wollastonii* Thomson, 1860 (monotypy). Availability (under Article 11.7.2)

Adetaptera Santos-Silva, Nascimento & Wappes, 2019

Adetaptera Santos-Silva. Nascimento & Wappes, 2019: 14
Type species - *Parmenonta albisetosa* Bates (original designation)
Parmenonta Thomson, 1868a: 157; Lacordaire, 1869: 273; Bates, 1880: 104; Bradley, 1930: 244; Arnett, 1962: 870, 893; Breuning, 1971: 317 (rev.); Zayas, 1975: 179; Linsley & Chemsak, 1985: 112; Monné, M.A., 2005: 303 (cat.); Monné, M.A., 2012: 87.
Type-species - *Parmenonta valida* Thomson, 1868 (subsequent designation, Breuning, 1971: 317).

1. *Adetaptera thomasi* (Linsley & Chemsak, 1985)

Type locality - Holotype female: United States, Florida: Dade County, Matheson Hammock. (CASC). **Distribution** - United States (Florida), Honduras. **Host plants** - *Cycas rumphii* Miquel (Cycadaceae).

Parmenonta thomasi Linsley & Chemsak, 1985: 114; Chemsak, Linsley & Noguera, 1992: 116 (cat.); Monné, M.A., & Giesbert, 1994b: 232 (cat.); Monné, M.A., 1994b: 33

(cat.); Browne & Peck, 1996: 2159 (distr.); Peck & Thomas, 1998: 122 (distr.); Turnbow, Cave & Thomas, 2003: 21 (distr.); Monné, M.A. & Hovore, 2006: 227 (checklist)

Adetaptera thomasi; Santos-Silva, Nascimento & Wappes, 2019: 15

2. *Adetaptera wickhami* Schaeffer, 1908

Type locality - Holotype: United States: Texas, Brownsville (USNM). **Distribution** - United States (Southern Texas). **Host plants** - *Celtis* sp. (Cannabaceae), *Condalia* sp. (Rhamnaceae),

Parmenonta wickhami Schaeffer, 1908a: 350; Breuning, 1971: 320 (revis.); Linsley & Chemsak, 1985: 112, fig. 26; Rice, Turnbow & Hovore, 1985: 21 (distr.); Hovore, Penrose & Neck, 1987: 311 (distr.); Chemsak, Linsley & Noguera, 1992: 116 (cat.); Monné, M.A., & Giesbert, 1994e: 189 (cat.); Monné, M.A., 1994b: 33 (cat.); Linsley & Chemsak, 1997: 415 (hosts); Monné, M.A. & Hovore, 2006: 228 (checklist); Lingafelter *et al*., 2014: 347, fig. 8 m *Adetaptera wickhami*; Santos-Silva, Nascimento & Wappes, 2019: 15 (holotype)

***Adetus* LeConte, 1852**

Adetus LeConte, 1852: 161; Thomson, 1864: 114; 1865: 397; Bates, 1880: 106; Craighead, 1923: 132; Linsley, 1934c: 182 (syn.); Breuning, 1949: 17 (syn.); Arnett, 1962: 870, 892; Breuning, 1971: 290 (rev.); Marinoni, 1977a: 41; Villiers, 1980a: 543; Linsley & Chemsak, 1985: 115; Monné, M.A., 1994e:23 (cat.); Martins & Galileo, 2003: 373; Monné, M.A., 2005: 275 (cat.); Monné, M.A. & Hovore, 2006: 222 (checklist);Monné, M.A., 2012: 85; Santos-Silva, Nascimento & Wappes, 2019: 1 (syn.)

Type-species - *Polyopsia analis* Haldeman, 1847 (monotypy).

Polyopsia Haldeman, 1847a: 55 (not Mulsant, 1839).

Agennopsis Thomson, 1857a: 302; 1860: 72 (syn.); 1864: 44; 1865: 364; Bates, 1866: 295; Lacordaire, 1872: 593.

Type-species - *Agennopsis mutica* Thomson, 1857 (monotypy).

Talaepora Fairmaire & Germain, 1859: 521; Strauch, 1861: 137.

Type-species - *Talaepora pusilla* Fairmaire & Germain, 1859 (subsequent designation, Villiers, 1980c: 543).

Stygnesis Pascoe, 1866: 285; Lacordaire, 1872: 594.

Type-species - *Stygnesis punctiger* Pascoe, 1866 (monotypy).

Tautoclines Thomson, 1868a: 155; Lacordaire, 1872: 594.

Type-species - *Tautoclines antennatus* Thomson, 1868 (subsequent designation, Villiers, 1980c: 543).

Ptericthya Thomson, 1868a: 156; Lacordaire, 1872: 594.

Pterichthya; Bates, 1880: 109 (error).

Pterichtya; Aurivillius, 1922a: 290 (cat., error).

Type-species - *Ptericthya pisciformis* Thomson, 1868 (monotypy).

Atimuropsis Thomson, 1868a: 162; Lacordaire, 1872: 604.

Type-species - *Atimuropsis inaequalis* Thomson, 1868 (monotypy).

Sicyobius Horn, 1880a: 137; LeConte & Horn, 1883: 330; Leng & Hamilton, 1896: 143; Bradley, 1930: 244.

Type-species - *Sicyobius brousii* Horn, 1880 (monotypy).

1. *Adetus analis* (Haldeman, 1847)

Type locality - Holotype: United States, Pennsylvania. (MCZN). **Distribution** – United States, Mexico, Guatemala, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, French Guiana, Peru, Bolivia (Pando, Santa Cruz), Brazil (Pará, Maranhão, Bahia, Espírito Santo, Rio de Janeiro, São Paulo, Paraná, Santa Catarina, Rio Grande do Sul), Argentina. **Host plants** - *Sechium edule* (Jacquin) Swartz (Cucurbitaceae), *Musa* sp. (Musaceae).

Polyopsia analis Haldeman, 1847a: 55.

Adetus analis; LeConte, 1852: 161; Thomson, 1864: 114; Leng & Hamilton, 1896: 164; Breuning, 1971: 295, fig. 18; Chemsak, Linsley & Noguera, 1992: 114 (cat.); Maes *et al*., 1994: 29 (distr., hosts); Monné, M.A., & Giesbert, 1994b: 184 (cat.); Monné, M.A., 1994b: 29 (cat.);Noguera & Chemsak, 1996: 404 (cat.); Maes, 1998: 912 (distr.); Martínez, 2000: 95 (distr.); Monné, M.A., 2001: 61 (cat. hosts); Souza Filho, M. F., Gabriel & Azevedo Filho, 2001: 476, figs. 1, 2 (hosts); Turnbow, Cave & Thomas, 2003: 20 (distr.); Monné, M. A., 2005: 276 (cat.); Morvan & Morati, 2006: 41 (distr.); Wappes *et al.,* 2006: 24 (distr.); Hovore, 2006: 375 (distr.); Monné, M.A. & Hovore, 2006: 223 (checklist); Monné, M.L. *et al*., 2010: 247 (distr.); Swift *et al*., 2010: 49 (distr.); Maes *et al.*, 2010: 76, 4 figs (distr.); Monné, M.L. *et al*., 2012: 54 (distr.); Audureau & Roguet, 2018: 78, fig. 41 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 488

Agennopsis mutica Thomson, 1857a: 302; 1864: 45; 1878: 11 (type).

Adetus muticus; Bates, 1872: 234 (syn.); 1880: 106, pl. 8, fig. 4; 1885: 341 (distr.); Aurivillius, 1900: 412 (distr.); Belon, 1902b: 464, 471; Bruch, 1939: 202, fig. 1, pl. 1, fig. 2; Freude, 1954: 34 (distr.); Duffy, 1960: 273, fig. 172 (larva, pupa)

Type locality - Holotype female: Brazil. (MNHN).

Agennopsis pygaea Bates, 1866: 295.

Adetus pygaeus; Gemminger *in* Gemminger & Harold, 1873: 3099 (cat.)

Syntypes localities – Syntypes male and female: Brazil, Pará: Santarém. Rio de Janeiro. (MNHN).

Agennopsis mexicana Thomson, 1868a: 153.

Type locality - Holotype: Mexico. (MNHN).

2. *Adetus brousii* (Horn, 1880)

Syntypes locality - Syntypes: United States, Kansas. (ANSP). **Distribution** - United States (Western Kansas to New Mexico, Texas), northeastern Mexico. **Host plants** - *Cucurbita foetidissima* Kunth (Cucurbitaceae).

Sicyobius brousii Horn, 1880a: 137, pl. 2, fig. 9; Lameere, 1883: 60 (cat.); Leng & Hamilton, 1896: 144; Schaeffer, 1908a: 328, 351; Knaus, 1909: 71 (biol.); Linsley & Martin, 1933: 183 (distr.).

Adetus brousi; Linsley, 1934c: 182; Linsley & Chemsak, 1985: 117; Hovore, Penrose & Neck, 1987: 311, fig. 9 (biol.); Chemsak, Linsley & Noguera, 1992: 114 (cat.); Lingafelter & Horner, 1993: 181 (distr); Monné, M.A., & Giesbert, 1994e: 184 (cat.); Monné, M.A., 1994b: 25 (cat.); Heffern, 1998: 20 (distr.); Monné, M.A., 2001: 62 (cat. hosts); Monné, M.A., 2005:278 (cat.); Monné, M.A. & Hovore, 2006: 223 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 488

3. *Adetus croton* Heffern, Santos-Silva & Botero, 2019

Type locality - Holotype male: United States, Texas, Hidalgo Co., Santa Ana NWR. (TAMU). **Distribution** - United States (Texas), Mexico (Chiapas, Jalisco, Michoacán, Nuevo León, Quintana Roo, Sonora, Tamaulipas. Yucatán), Honduras. **Host plants** – *Croton humilis* Linnaeus (Euphorbiaceae)

Adetus croton Heffern, Santos-Silva & Botero, 2019: 565, figs 6-13, 17, 19; Bezark & Tyson, 2020: 25; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 488

4. *Adetus lewisi* Linsley & Chemsak, 1985

Type locality - Holotype male: United States, Arizona: Cochise Co, Tombstone. (CASC). **Distribution** - United States (Arizona), Mexico (Sinaloa, Jalisco). **Host plants** - *Cucurbita foetidissima* Kunth (Cucurbitaceae).

Adetus lewisi Linsley & Chemsak, 1985: 116; Chemsak, Linsley & Noguera, 1992: 114 (cat.); Monné, M.A., & Giesbert, 1994e: 184 (cat.); Monné, M.A., 1994b: 28 (cat.); Chemsak & Noguera, 1995: 65 (distr.); Noguera & Chemsak, 1996: 404 (cat.); Monné, M. A., 2001b: 62 (cat. hosts); Monné, M.A., 2005: 280 (cat.); Monné, M.A. & Hovore, 2006: 223 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 488

Adetus muticus; Knull, 1950: 92 (not Thomson, 1857).
Adetus sp. Hovore, 1983: 385 (hosts).

Bisaltes Thomson, 1868

Bisaltes Thomson, 1868d: 110; Lacordaire, 1872: 606; Breuning, 1971b: 276; Monné, M.A., 1994b: 19 (cat.);Monné, M.A., 2005a: 293 (cat.); Monné, M.A., 2012: 86.

Type-species - *Bisaltes buquetii* Thomson, 1868 (subsequent designation, Breuning, 1971b: 276).

Bisaltes (Bisaltes) Thomson, 1868

Bisaltes (Bisaltes); Breuning, 1960a: 177 (cat.); 1971b: 276; Monné, M.A., 1994b: 19 (cat.); Monné, M.A., 2005a: 293 (cat.).

1. *Bisaltes tibialis (*Schaeffer, 1908)

Type locality - Holotype: United States, Texas: Brownsille. (AMNH). **Distribution** - United States (Texas), Mexico (Tamaulipas). **Host plants** - *Zanthoxylum fagara* (Linnaeus) Sargent (Rutaceae).

Ataxia tibialis Schaeffer, 1908a: 348; Linsley & Martin, 1933: 183 (distr.); Breuning, 1961: 47 (rev.); Linsley & Chemsak, 1985: 132; Hovore, Penrose & Neck, 1987: 312, fig. 7; Chemsak, Linsley & Noguera, 1992: 117 (cat.); Monné, M.A., 1994b: 28 (cat.); Linsley & Chemsak, 1997: 348 (hosts); Monné, M.A., & Hovore, 2006: 294 (checklist); García Morales *et al*., 2015: 110 (distr.).

Bisaltes (Bisaltes) tibialis; Santos-Silva & Wappes, 2021: 2,figs 1-7, 9-14

Dorcasta Pascoe, 1858

Dorcasta Pascoe, 1858: 264; Thomson, 1861: 383; 1864: 95; 1865: 388; Lacordaire, 1872: 705; LeConte, 1873b: 345; Bates, 1880: 129; LeConte & Horn, 1883: 330; Leng & Hamilton, 1896: 143; Bradley, 1930: 245; Arnett, 1962: 871; Breuning, 1971: 246; Linsley & Chemsak, 1985: 119; Monné, M.A., 1994b: 11 (cat.); Monné, M.A., 2005: 299 (cat.); Monné, M.A. & Hovore, 2006: 226 (checklist); Monné, M.A., 2012: 86; Bezark, Santos-Silva & Nascimento, 2018: 50 (key spp.).

Type-species - *Dorcasta oryx* Pascoe, 1858 (subsequent designation, Thomson, 1864: 95) [= *Hippopsis dasycera* Erichson, 1849].

Aegilopsis Horn, 1860: 571; Thomson, 1864: 98; 1865: 389; Lacordaire, 1872; 706.

Type-species - *Aegilopsis cinerea* Horn, 1860 (monotypy).

1. *Dorcasta cinerea* (Horn, 1860)

Syntypes locality - Syntypes: United States, Texas: Comal Co. (ANSP). **Distribution** - United States (Kansas to Texas), northeastern Mexico (Tamaulipas, San Luís Potosí, Nuevo León). **Host plants** - *Matelea producta* (Torrey) Woods (Asclepiadaceae), *Helianthus annuus* Linnaeus, *Verbesina* sp. (Asteraceae), *Croton capitalus* Michaux (Euphorbiaceae), *Gossypium thurberi* Tofaro (Malvaceae), *Datura stramonium* Linnaeus, *Nicotiana trigonophylla* W.S.Dun, *Solanum obtusifolium* Humboldt & Bonpland ex Dunal (Solanaceae).

Aegilopsis cinerea Horn, 1860: 571, pl. 8, fig. 7; Thomson, 1864: 98; Lacordaire, 1872: 706.

Dorcasta cinerea; LeConte, 1873b: 345; LeConte & Horn, 1883: 330; Leng & Hamilton, 1896: 144; Wickham, 1898c: 41 (distr.); Townsend, 1903: 80 (biol.); Schaeffer, 1908a: 328 (distr.); Linsley & Martin, 1933: 183 (distr.); Vogt, 1949: 184 (biol.); Breuning, 1971: 248 (rev.); Rogers, 1977b: 834 (biol.); Turnbow & Wappes, 1978: 370 (biol.); Huffman & Harding, 1980: 33 (biol.); Turnbow & Wappes, 1981: 79 (hosts); Linsley & Chemsak, 1985: 120, fig. 27; Rice, Turnbow & Hovore, 1985: 22 (hosts);Hovore, Penrose & Neck, 1987: 311 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 116 (cat.); Lingafelter & Horner, 1993: 181 (distr.); MacRae, 1993: 243 (distr.); Monné, M.A., & Giesbert, 1994e: 188 (cat.); Monné, M.A., 1994b: 11 (cat.); Noguera & Chemsak, 1996: 404 (cat.); Linsley & Chemsak, 1997:

367 (hosts); Monné, M.A., 2001: 64 (cat. hosts); Monné, M.A., 2005: 299 (cat.); Monné, M.A. & Hovore, 2006: 226 (checklist); García Morales *et al*., 2015: 108 (distr.); Bezark, Santos-Silva & Nascimento, 2018: 66 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 489 .

***Sybra* Pascoe**, 1865

Sybra Pascoe, 1865a: 141, 198.

Type-species - *Ropica stigmatica* Pascoe, 1859 (original designation).

Mycerinopsis Thomson, 1864: 50

Type-species - *Mycerinus aridus* Pascoe, 1862 (original designation) (= *Hathlia lacteola* Hope, 1841).

1. *Sybra alternans* (Wiedemann, 1823)

Type locality - Holotype male: Indonesia, Java. (MNHN). **Distribution** - Myanmar, Thailand, Laos, Cambodia,Vietnam, Malaysia, Taiwan, Indonesia, Mariana Islands, Caroline Islands, Marshall Islands,Philippines, China, Chile (Isla de Pascua), United States. **Host plants** - *Ananas comosus* Merrill (Bromeliaceae), *Cycas* sp. (Cycadaceae), *Shorea smithiana* Symington (Dipterocarpaceae), *Erythrina* sp., *Phaseolus vulgaris* Linnaeus (Fabaceae), *Melanolepis* sp. (Euphorbiaceae), *Ocimum basilicum* Linné (Lamiaceae), *Barringtonia* sp. (Lecythidaceae), *Gossypium hirsutum* Linnaeus, *Ochroma pyramidale* (Cavanilles ex Lamarck) Urban (Malvaceae), *Inga feuillei* de Candolle (Mimosaceae), *Artocarpus* sp., *Ficus aurea* Nuttall, *F. carica* Linnaeus (Moraceae), *Musa paradisiaca* Linnaeus (Musaceae), *Saccharum officinarum* Linnaeus (Poaceae), *Triphasia* sp. (Rutaceae), *Clerodendron* sp. (Verbenaceae).

Lamia alternans Wiedemann, 1823: 111.

Sybra alternans; Monné, M.A. & Hovore, 2006: 229 (checklist); Mondaca, Ramírez & Rothmann, 2016: 2, fig. 1; Weigel & Skale, 2016: 446, figs 1-9, 18, 64 (neotype, holotype of *S. ochreovitatta* Breuning, 1939, hosts, syn.).

Agelais angustata Pic, 1926: 6

Type locality - Holotype: Tonkin. (MNHN).

Sybra fuscovittata Aurivillius, 1927: 572, fig. 189.

Type locality - Lectotype male: Philippines, Sibuyan (NHRS).

Sybra carolina Matsushita, 1935: 121.

Type locality - Holotype male: Micronesia, Carolina Islands: Palau. (Entomological Museum, Hokkaido University, Sapporo).

Sybra ochreovittata Breuning, 1939: 77.

Type locality - Holotype: Indonesia, Sulawesi: Macassar. (MCSN).

Falsoropica javaensis Breuning, 1982: 10. (MNHN).

Type locality - Holotype female: Indonesia, Java: Soekaboemi.

CYRTININI Thomson, 1864

Cyrtinitae Thomson, 1864: 41; 1865: 362.

Cyrtinides; Lacordaire, 1872: 818.

Cyrtinini; LeConte, 1873b: 333; LeConte & Horn, 1883: 318; Leng *in* Leng & Hamilton, 1896: 107; Blatchley, 1910: 1061, 1062; Aurivillius, 1923: 449 (cat.); Bradley, 1930: 243; Howden, 1959: 372; Villiers, 1980b: 587; Linsley & Chemsak, 1995: 156; Monné, M.A., 1995b: 1 (cat.); Micheli, 2003: 199 (key gen.); Monné, M. A., 2005: 369 (cat.); Bousquet *et al*., 2009: 28; Bouchard *et al*., 2011: 491.

Type-genus: *Cyrtinus* LeConte, 1852

Type-species: *Clytus pygmaeus* Haldeman, 1847 (monotypy).

Scopadini Villiers, 1980a: 587.

Type-genus: *Scopadus* Pascoe, 1857

Type-species: *Scopadus ciliatus* Pascoe, 1857 (monotypy).

Cyrtinus LeConte, 1852

Cyrtinus LeConte, 1852: 166; Thomson, 1864: 41; 1865: 362; Lacordaire, 1872: 819; LeConte, 1873b: 333; LeConte & Horn, 1883: 318; Horn, 1886b: xi (syn.); Blatchley, 1910: 1062; Bradley, 1930: 243; Knull, 1946: 232; Howden, 1959: 372 (key spp); Dillon & Dillon, 1961: 646; Arnett, 1962: 869, 888; Zayas, 1975: 283; Marinoni, 1977a: 43; Villiers, 1980b: 587; Joly & Rosales, 1990: 206; Monné, M.A., 1995b: 1 (cat.); Linsley & Chemsak, 1995: 156; Monné, M.A., 2005: 369 (cat.); Monné, M.A., 2012: 93; Monné, M.A. & Hovore, 2006: 240 (checklist);

Type-species - *Clytus pygmaeus* Haldeman, 1847 (monotypy).

Myrmolamia Bates, 1885: 363.

Type-species - *Myrmolamia opacicollis* Bates, 1885 (subsequent designation, Linsley & Chemsak, 1995: 157).

1. *Cyrtinus beckeri* Howden, 1960

Type locality - Holotype: United States, Texas: Chisos Mts., Pine Canyon (Big Bend National Park). (USNM). **Distribution** - United States (Texas), northeastern Mexico. **Host plants** - *Acer grandidentatum* Nuttall (Aceraceae), *Quercus* sp. (Fagaceae).

Cyrtinus beckeri Howden, 1960: 175, fig. 4; Ruette, 1970: 19 (paratype); Rice, Turnbow & Hovore, 1985: 23 (hosts); Chemsak, Linsley & Noguera, 1992: 149 (cat.); Monné, M.A., & Giesbert, 1994: 269 (cat.); Monné, M.A., 1995b: 2 (cat.); Noguera & Chemsak, 1996: 404 (cat.); Linsley & Chemsak, 1997: 367 (hosts); Linsley & Chemsak, 1995: 157; 1997: 362 (hosts); Van Pelt, 2002: 128 (distr.); Monné, M.A., 2002: 10 (cat. hosts); Monné, M.A., 2005: 370 (cat.); Monné, M.A. & Hovore, 2006: 240 (checklist); Lingafelter *et al*., 2014: 27, figs. 27m, n (holotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 490

2. *Cyrtinus pygmaeus* (Haldeman, 1847)

Type locality - Holotype: United States, Pennsylvania. (MCZN). **Distribution** - Canada (Ontario). Eastern North America to Texas. Mexico (Tamaulipas, Hidalgo, Nuevo León) **Host plants** – *Betula nigra* Linnaeus (Betulaceae), *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Cornus florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae). *Robinia pseudoacacia* Linnaeus (Fabaceae), *Quercus phellos* Linnaeus, *Q. prinoides* Rafinesque, *Q. prinus* Linneus, *Q. velutina* Lamarck (Fagaceae), *Juglans nigra* Linnaeus (Juglandaceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Sapindus marginatus* Willdenow (Sapindaceae).

Clytus pygmaeus Haldeman, 1847a: 42;

Cyrtinus pygmaeus; LeConte, 1852: 166; Melsheimer, 1853: 111 (cat;); Bland, 1861: 99; Thomson, 1864: 41; Lacordaire, 1872: 820; LeConte, 1873b: 333; LeConte & Horn, 1883: 318; Packard, 1890: 318 (biol.); Schwarz, 1891: 63 (hosts); Chittenden, 1894: 99 (hosts); Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 78 (hosts); Leng & Hamilton, 1896: 107; Wickham, 1897a: 204; Smith, 1900: 293 (distr.); Dury, 1902: 161 (distr.); Ulke, 1903: 26 (distr.); Felt, 1906: 702 (hosts); Leng, 1910: 77 (distr.); Blatchley, 1910; 1072; Smith, 1910: 332; Fisher & Kirk, 1912: 313 (distr.); Nicolay, 1919: 69 (distr.); Britton, 1920: 270 (distr.); Craighead, 1923: 124, pls. (larva); Kirk & Knull, 1926: 41 (distr.); Leonard, 1928: 449 (distr.); Beaulne, 1932: 203 (hosts); Brimley, 1938: 217 (distr.); Loding, 1945: 121 (distr.); Sherman, 1946: 127 (distr.); Knull, 1946: 232, pl. 19, fig. 77; Fattig, 1947: 30 (distr.); Vogt, 1949: 179 (distr.); Howden, 1960: 176, fig. 3; Dillon & Dillon, 1961: 646, pl. 54; Arnett, 1962: 869; Headstrom, 1977: 380; Turnbow & Franklin, 1980: 343 (distr.); Rice & Enns, 1981: 102 (distr., hosts); Hovore, Penrose & Neck, 1987: 320; Chemsak, Linsley & Noguera, 1992: 150 (cat.); MacRae, 1993: 247 (distr.); Monné, M.A., & Giesbert, 1994: 269 (cat.); Monné, M.A., 1995b: 3 (cat.); Linsley & Chemsak, 1995: 158, fig. 27; Yanega, 1996: 138, pl. 17, fig. 207; Krinsky & Godwin, 1996: 239; Linsley & Chemsak, 1997: 362 (hosts); Peck & Thomas, 1998: 123 (hosts); Schiefer, 1998b: 126 (distr.); Vlasák & Vlasakova, 2002: 216 (distr.);

Morris, 2002: 212 (hosts); Monné, M.A. & Hovore, 2006: 240 (checklist); MacRae & Rice, 2007: 250 (distr., hosts); Holt, 2013: 252 (distr., hosts); Bouchard, 2014: 531; Steury & MacRae, 2014: 11 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 170, pl. 41; Santos-Silva & Nascimento, 2019: 2, fig. 4; Wappes, Santos-Silva & Nascimento, 2020: 2, figs 1-9

DESMIPHORINI Thomson, 1860

Desmiphoritae Thomson, 1860: 3, 74; 1864: 104; 1865: 392; 1868b: 104; Bates, 1866: 200.

Desmiphorides; Lacordaire, 1872: 620.

Desmiphorini; LeConte, 1873b: 324; Bates, 1880: 115; LeConte & Horn, 1883: 328; Leng & Hamilton, 1896: 140; Casey, 1913: 349; Aurivillius, 1922a: 304 (cat.); Bradley, 1930: 242; Arnett, 1962: 869; Zayas, 1975: 189; Linsley & Chemsak, 1985: 135; Monné, M.A., 1994d: 28 (cat.); Monné, M.A., 2005: 374 (cat.); Bousquet *et al*., 2009: 28; Bouchard *et al*., 2011: 491.

Type-genus: *Desmiphora* Audinet-Serville, 1835

Type-species: *Lamia fasciculata* Olivier, 1792 designated by Drapiez, M. (1838: 456).

Anaesthétites Fairmaire, 1864: 166 (based on *Anaesthetis* Dejean, 1835). **Nomen nudum.** Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Fairmaire 1864).

Métonides Lacordaire, 1869: 299 (key), 387.

Type-genus: *Meton* Pascoe, 1859

Type-species: *Meton granulicollis* Pascoe, 1859 designated by Thomson (1864: 59). Availability (under Article 11.7.2): Metonini Lacordaire, 1869 (Aurivillius 1922*a*: 150). Comment. Pascoe (1859) included two species under *Meton*, *M. granulicollis* (p. 42) and *M. digglesii* (p. 59).

Hebesecinae Pascoe, 1871: 268, 277

Type-genus: *Hebesecis* Pascoe, 1865 (replacement name for *Hebecerus* Thomson, 1860)

Type-species: *Hebecerus crocogaster* Thomson, 1860 (monotypy).

Rhodopinini; Breuning, 1974a: 1 (rev.) (not Gressitt, 1951).

Amymomides Lacordaire, 1872: 415 (key), 468.

Type-genus: *Amymoma* Pascoe, 1866 (junior homonym of *Amymoma* Latreille, 1796 [Crustacea])

Type-species: *Amymoma pulchella* Pascoe, 1866 by monotypy. Availability (under Article 11.7.2): Amymomini Lacordaire, 1872 (Aurivillius 1922a: 218). Comment. This name is permanently invalid because it is based on a preoccupied type genus (Article 39).

Crinotarsides Lacordaire, 1872: 415 (key), 475.

Type-genus: *Crinotarsus* Blanchard, C. E., 1853

Type-species: *Crinotarsus plagiatus* Blanchard, 1853 (monotypy). Availability (under Article 11.7.2): Crinotarsini Lacordaire, 1872 (Aurivillius 1922a: 229).

Épicastides Lacordaire, 1872: 415 (key), 490.

Type-genus: *Epicasta* Thomson, 1864

Type-species: *Epicasta ocellata* Thomson, 1864 (original designation). Availability (under Article 11.7.2):

Apodasyides Lacordaire, 1872:416 (key), 623.

Type-genus: *Apodasya* Pascoe, 1863.

Apodasyini; Aurivillius, 1922a: 305 (cat.); Bradley, 1930: 242, 244; Heyrovsky, 1955: 260; Zayas, 1975: 193; Linsley & Chemsak, 1985: 141.

Type-species: *Apodasya pilosa* Pascoe, 1863 (original designation). Availability (under Article 11.7.2): Apodasyini Lacordaire, 1872 (Aurivillius 1922*a*: 305).

Nédinides Lacordaire, 1872: 416 (key), 635.

Type-genus: *Nedine* Thomson, 1864

Type-species: *Nedine longipes* Thomson, 1864 (original designation). Availability (under Article 11.7.2): Nedinini Lacordaire, 1872 (Aurivillius 1922*a*: 317).

Estolides Lacordaire, 1872: 416 (key), 636.

Estolae; LeConte, 1873b: 340; LeConte & Horn, 1883: 325; Leng & Hamilton, 1896: 133.

Estolini; Aurivillius, 1922a: 317 (cat.); Bradley, 1930: 243, 244 (*partim*); Zayas, 1975: 204; Villiers, 1980b: 558; Linsley & Chemsak, 1985: 156.

Type-genus: *Estola* Fairmaire & Germain, 1859

Type-species: *Estola hirsuta* Fairmaire and Germain, 1859 designated by Thomson (1861: 348). Availability (under Article 11.7.2): Estolini Lacordaire, 1872 (Aurivillius 1922a: 317).

Psenocerini LeConte, 1873b: 330, 333; LeConte & Horn, 1883: 318; Blatchley, 1910: 1062; Chagnon & Robert, 1962: 268.

Type-genus: *Psenocerus* LeConte, 1852

Type-species: *Callidium pini* Olivier *sensu* LeConte, 1852 (= *Clytus supernotatus* Say, 1824) (monotypy).

Eupogonii LeConte, 1873b: 333, 340, 342; LeConte & Horn, 1883: 318, 327.

Type-genus: *Eupogonius* LeConte, 1852

Type-species: *Desmiphora tomentosa* Haldeman, 1847 designated by Thomson (1861: 346).

Ancitini Aurivillius, 1917: 28.

Type-genus: *Ancita* Thomson, 1864

Type-species: *Ancita crossotoides* Thomson, 1864 (original designation).

Velorini Aurivillius, 1917: 32.

Type-genus: *Velora* Thomson, 1864

Type-species: *Velora australis* Thomson, 1864 (original designation).

Essisini Aurivillius, 1917: 44.

Type-genus: *Essisus* Pascoe, 1866

Type-species: *Essisus dispar* Pascoe, 1866 (monotypy).

***Desmiphora* Audinet-Serville, 1835**

Desmiphora Audinet-Serville, 1835: 62; Drapiez, 1838: 455; Laporte, 1840: 467; Chevrolat *in* D'Orbigny, 1844a: 711; Blanchard, C. E., 1845: 155; Thomson, 1860: 75; Desmarest *in* Chenu, 1860: 322; Strauch, 1861: 134; Thomson, 1864: 105; 1865: 393; Bates, 1866: 199; Desmarest *in* Chenu, 1870: 322; Lacordaire, 1872: 621; LeConte, 1873b: 342; Casey, 1913: 349; Bradley, 1930: 242; Breuning, 1949: 22 (syn.); Arnett, 1962: 869, 892; Breuning, 1974a: 139 (rev.); Zayas, 1975: 189; Marinoni, 1977a: 43; Linsley & Chemsak, 1985: 136; Giesbert, 1998: 27 (rev.); Monné, M.A., 2005: 382 (cat.); Monné, M.A., 2012: 94.

Type-species - *Lamia fasciculata* Olivier, 1792 (subsequent designation, Drapiez, 1838: 456).

Euchaestes Chevrolat, 1861: 252

Type-species - *Ischnolea pallidipennis* Chevrolat, 1861 [= *Euchaestes crinita* Dejean *in* Chevrolat, 1861 = *Lamia intonsa* Germar, 1823].

Pyrracita Thomson, 1868b: 105; Lacordaire, 1872: 622.

Pyrrhacita Gemminger *in* Gemminger & Harold, 1873: 3107 (cat., emend.).

Type-species - *Pyrracita apicata* Thomson, 1868 (subsequent designation, Linsley & Chemsak, 1985: 136).

Therchaetes Thomson, 1868b: 107.

Terchaetes; Lacordaire, 1872: 623 (error).

Type-species - *Lamia intonsa* Germar, 1823 (monotypy).
Desmophora Gemminger *in* Gemminger & Harold, 1873: 3107 (cat., unjustified emend.).

Desmiphora (Desmiphora) Audinet-Serville, 1835

Desmiphora (Desmiphora); Breuning, 1963: 511 (cat.); Monné, M.A., 1994d: 55 (cat.); Monné, M.A. & Hovore, 2006: 242 (checklist);

1. *Desmiphora (Desmiphora) aegrota* Bates, 1880

Type locality - Holotype: Guatemala, Sacatepéquez: Capetillo. (BMNH). **Distribution** - United States (Southern Texas), Mexico (Tamaulipas, Veracruz, Oaxaca, Chiapas), Guatemala (Sacataepéquez), Honduras. Nicaragua (Granada), Costa Rica (Alajuaela, Guanacaste, Puntarenas), Panama. **Host plants** - *Malvaviscus arboreus* var. *drummondii* (Torrey & A. Gray) Schery (Malvaceae).

Desmiphora aegrota Bates, 1880: 116; Turnbow & Wappes, 1981: 78 (biol.); Linsley & Chemsak, 1985: 139; Rice, Turnbow & Hovore, 1985: 22 (hosts); Hovore, Penrose & Neck, 1987: 312, fig. 9; Chemsak, Linsley & Noguera, 1992: 118 (cat.); Linsley & Chemsak, 1997: 365 (hosts); Monné, M.A., 2002: 11 (cat. hosts); Turnbow, Cave & Thomas, 2003: 25 (distr.); Audureau, 2010: 9, fig. 8 (distr.)

Desmophora aegrota; Lameere, 1883: 58 (cat.).

Desmiphora (Desmiphora) aegrota; Breuning, 1974a: 153; Monné, M.A., & Giesbert, 1994: 216(cat.); Monné, M.A., 1994d: 55 (cat.); Giesbert, 1998: 29; Toledo *et al*., 2002: 530 (distr.); Monné, M.A., 2005: 383 (cat.); Hovore, 2006: 376 (distr.); Monné, M.A. & Hovore, 2006: 242 (checklist);Swift *et al*., 2010: 54 (distr.); Maes *et al.*, 2010: 136, 3 figs (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 :

2. *Desmiphora (Desmiphora) hirticollis* (Olivier, 1795)

Type locality - Holotype: not stated. (Depository unknown). **Distribution** - United States (southern Texas), Mexico (Oaxaca, Guerrero, Chiapas, Quintana Roo), Guatemala, Belize, Honduras, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, French Guiana, Brazil (Ceará, Maranhão, Bahia, Minas Gerais, Espírito Santo, Rio de Janeiro, São Paulo, Paraná, Santa Catarina, Rio Grande do Sul), Bolivia (Santa Cruz), Argentina (Buenos Aires), Cuba, Jamaica, St. Vincent, St. Lucia, Grenada, Martinique, Guadeloupe, Grenadines, Cayman Islands, Curação, Puerto Rico, Union, Mustique, Galápagos Islands. **Host plants** - *Araujia hortorum* Fournier, *Morrenia odorata* (Hooker & Arnott) Lindley (Asclepiadaceae), *Cordia alliodora* (Ruíz & Pavón) Oken, *C. boisseri* A. de Candolle, *C. collococca* Linnaeus, *C. elaeagnoides* de Candolle, *Ehretia anacua* (Berlandier) I. M. Johnston, *Patagonula americana* Linnaeus (Boraginaceae), *Celtis ehrenbergiana* (Klotzsch) Liebmann, *C. tala* Gillies ex Planchon (Cannabaceae). *Sapium aucuparium* Jacquin (Euphorbiaceae), *Sesbania virgata* Poiret (Fabaceae), *Wigandia urens* (Ruiz & Pavón) Kunth (Hydrophyllaceae), *Hibiscus syriacus* Linnaeus, *Tilia moltkei* Spaeth ex C. K. Schneider (Malvaceae), *Maclura pomifera* (Rafinesque) C. Schneider, *Morus alba* Linnaeus (Moraceae), *Passiflora caerulea* Linnaeus (Passifloraceae), *Platanus acerifolia* Willdenow (Platanaceae), *Solanum glaucophyllum* Desfontaines (Solanaceae).

Saperda hirticollis Olivier, 1795: (68) 11, pl. 4, fig. 37; Schoenherr, 1817: 440.

Desmiphora hirticollis; Audinet-Serville, 1835: 63; Laporte, 1840: 468; Erichson *in* Schomburgk, 1849: 574 (distr.); White, 1855: 401; Thomson, 1864: 105; Gahan, 1895: 123; Schaeffer, 1908a: 328; Leng & Mutchler, 1914: 448 (distr.); Gowdey, 1926: 22 (distr.); Andrade, 1928: 450 (hosts); Lima, A.M., 1930: 66 (hosts); Blair, 1933: 482 (distr.); Lima, A.M., 1936: 306 (hosts); Bosq, 1945: 51 (distr.); Vogt, 1949: 183 (distr.); Bosq & Ruffinelli, 1951: 23 (distr.); Van Dyke, 1953: 134; Lima, A.M., 1955: 120 (hosts); Biezanko & Bosq, 1956: 13 (distr., hosts); Zajciw, 1958: 16 (distr.); Duffy, 1960: 272 (hosts); Zajciw & Ruffinelli, 1962: 73 (distr.); Silva, A.G. *et al*., 1968: 400 (hosts); Gilmour, 1968: 151, pl. 18, fig. 3; Villiers, 1971: 346 (distr.); Viana, 1972: 342 (distr., hosts); Zayas, 1975: 189, pl. 25, fig. c; Linsley & Chemsak, 1985: 136, fig. 30; Rice, Turnbow & Hovore, 1985: 22 (hosts); Hovore, Penrose &

Neck, 1987: 312, fig. 11 (biol.); Chemsak, Linsley & Noguera, 1992: 118 (cat.); Maes *et al*., 1994: 36 (distr., hosts); Chemsak & Noguera, 1995: 66 (distr., hosts); Linsley & Chemsak, 1997: 365 (hosts); Maes, 1998: 914 (distr.); Monné, M.A., 2002: 12 (cat. hosts); Micheli & Hovore, 2003: 3 (distr.); Vitali & Resbanyai-Reser, 2003: 10, fig. 28; Turnbow, Cave & Thomas, 2003: 25 (distr.); Lozada Piña, Fernández García & Trujillo Anaya, 2004: 106 (distr.); Tavakilian & 2004: 60, figs. 6, 21a-b; Lingafelter Néouze, & Micheli, 2004: 51 (distr.); Chalumeau & Touroult, 2005b: 165, fig. 87; Peck, 2005: 176 (distr.); Hovore, 2006: 376 (distr.); Touroult, 2007: 8 (distr., hosts); Noguera *et al.*, 2009: 89 (distr.); Peck, 2010: 53 (distr.); Micheli, 2010: 206, pl. 68; Machado *et al*., 2012: 194 (hosts); Touroult, 2012: 75 (distr.); Thomas, Turnbow & Steiner, 2013: 18 (distr.); Peck, 2016: 182 (distr.); Nascimento, Botero & Bravo, 2016: 559 (distr.); Lingafelter, Wappes & Ledezma Arias, 2017: 214, 1 fig.

Desmiphora (Desmiphora) hirticollis; Breuning, 1974a: 143; Zajciw, 1974: 72 (distr.); Monné, M.A., & Giesbert, 1994: 217(cat.); Monné, M.A., 1994d: 57 (cat.); Giesbert, 1998: 37; Martínez, 2000: 97 (distr.); Monné, M.A., 2005: 386 (cat.); Monné, M.A. & Hovore, 2006: 243 (checklist); Audureau, 2008: 15 (distr.); Monné, M.L. *et al*., 2010: 248 (distr.); Swift *et al*., 2010: 54 (distr.); Maes *et al.*, 2010: 145, 12 figs (distr.); Morvan & Roguet, 2013: 25, fig. 44 (distr.); Peck, Thomas & Turnbow, 2014: 97 (distr.); Barros *et al*., 2019: 192 (distr.) ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 490

Desmiphora mexicana Thomson, 1860: 75; Bates, 1872: 200 (distr.); LeConte, 1873b: 343; Thomson, 1878: 11 (type); Bates,1880: 116; LeConte & Horn, 1883: 328; Bates, 1885: 351 (distr.); Lameere, 1893: 276 (distr.); Leng & Hamilton, 1896: 140; Wickham, 1898c: 41; Townsend, 1903: 79 (distr.); Audureau & Roguet, 2018: 82 (distr.).

Desmiphora (Desmiphora) hirticollis m. *mexicana*; Breuning, 1963: 511 (cat.); 1974a: 144.

Type locality - Holotype male: Mexico. (MNHN).

Desmiphora lanata Chevrolat, 1862: 253; Monné, M.A., 2005: 387 (cat.).

Desmiphora (Desmiphora) hirticollis m. *lanata*; Breuning, 1963: 511 (cat.).

Desmiphora (Desmiphora) hirticollis lanata; Breuning, 1974a: 144.

Type locality - Holotype: Cuba, La Habana. (BMNH).

Desmiphora intricata Casey, 1913: 350; Lingafelter *et al*., 2014: 82, figs. 89k, l (holotype).

Type locality - Holotype female: United States, Texas: Brownsville. (USNM).

Estoloides Breuning, 1940

Estoloides Breuning, 1940a: 74; 1974: 51 (rev.); Linsley & Chemsak, 1985: 159; Monné, M. A., 2005: 403 (cat.); Monné, M.A., 2012: 95; Heffern & Santos-Silva, 2017: 470; Santos-Silva, Wappes & Galileo, 2018: 453 (syn).

Estoloides (Estoloides) Breuning, 1940a: 74; 1974a: 53; Monné, M.A., 1994d: 38 (cat.); Monné, M.A., 2005: 403 (cat.); Monné, M.A. & Hovore, 2006: 246 (checklist);

Type-species - *Estola perforata* Bates, 1872 (original designation).

Estoloides (Parestoloides) Breuning, 1940a: 75; 1974a: 62; Monné, M.A., 2005: 405 (cat.); Monné, M. A., 2012: 95.

Type-species - *Estoloides (Parestoloides) parva* Breuning, 1940 (original designation).

Mimestoloides Breuning, 1974b: 158; Villiers, 1980b: 559; Monné, M.A., 2005: 420 (cat.); Monné, M.A., 2012: 96.

Type-species - *Mimestoloides andresi* Breuning, 1974 (original designation).

1. *Estoloides andresi* (Breuning, 1974)

Type locality - Holotype female: Mexico, San Andrés de la Sierra. [San Andres Mountains, Sierra Company, New Mexico ¿ , United States]. (ZMHB). **Distribution** - Mexico.

Mimestoloides andresi Breuning, 1974b: 158; Chemsak, Linsley & Noguera, 1992: 120 (cat.); Monné, M.A., & Giesbert, 1994: 223 (cat.); Monné, M.A., 1994d: 38 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Monné, M.A., 2005: 420 (cat.).

Estoloides andresi: Santos-Silva, Wappes & Galileo, 2018: 452, figs 55-58, 98.

2. *Estoloides aquilonius* Linsley & Chemsak. 1985

Type locality - Holotype male: United States: Arizona, Madera Canyon, Santa Rita Mountains, Santa Cruz County. (CACS). **Distribution** - United States (Arizona). **Host plants** - *Rhus radicans* Linnaeus (Anacardiaceae)

Estoloides aquilonius Linsley & Chemsak, 1985: 139; Chemsak, Linsley & Noguera, 1992: 119 (cat.); Monné, M.A., 1994d: 39 (cat.); Monné, M.A., & Giesbert, 1994: 220(cat.); Monné, M.A. & Hovore, 2006: 245 (checklist); Santos-Silva, Wappes & Galileo, 2018; 456, fig. 140

3. *Estoloides sordida* (LeConte, 1873)

Syntypes locality - Syntypes: Mexico, Baja California: Cabo San Lucas. (MCZN). **Distribution** - United States (Arizona), Mexico (Baja California).

Pogonocherus ? sordidus LeConte, 1873a: 237.

Estola sordida; Horn, 1878: 43; LeConte & Horn, 1883: 325; Lameere, 1883: 62 (cat.); Horn, 1894: 340 (distr.); Leng & Hamilton, 1896: 134; Blaisdell, 1925: 341 (distr.); Linsley, 1934a: 63 (distr.).

Estoloides (Estoloides) sordida; Linsley, 1942: 77, pl. 5, fig. 3; Breuning, 1974a: 61; Chemsak, Linsley & Noguera, 1992: 119 (cat.); Monné, M.A., & Giesbert, 1994: 220 (cat.); Monné, M.A., 1994d: 40 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Monné, M.A., 2005: 405 (cat.); Monné, M.A. & Hovore, 2006: 246 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 491

Eupogonius LeConte, 1852

Eupogonius LeConte, 1852: 159; Thomson, 1861: 346; 1864: 110; 1865: 395; Lacordaire, 1872: 631; LeConte, 1873b: 342; Provancher, 1877: 581, 631; Bates, 1880: 117; LeConte & Horn, 1883: 327; Horn, 1885a: 196; Leng & Hamilton, 1896: 138; Wickham, 1897a: 203; 1898c: 30; Blatchley, 1910: 1080, 1082; Craighead, 1923: 125 (larva); Bradley, 1930: 244; Chagnon, 1938: 275; Knull, 1946: 262, 263; Arnett, 1962: 870, 892; Chagnon & Robert, 1962: 275; Breuning, 1974a: 4 (rev.); Zayas, 1975: 197; Linsley & Chemsak, 1985: 142; Monné, M.A., 1994d: 28 (cat.); Monné, M.A., 2005: 408 (cat.); Monné, M.A. & Hovore, 2006: 247 (checklist); Monné, M.A., 2012: 95; Bousquet, Laplante, Hammond & Langor, 2017: 154. (key spp)

Type-species - *Desmiphora tomentosa* Haldeman, 1847 (subsequent designation, Thomson, 1861: 346).

Phidola Chevrolat, 1862: 254; Thomson, 1864: 110; 1865: 395; Lacordaire, 1872: 630; Zayas, 1975: 193.

Type-species - *Phidola maculicornis* Chevrolat, 1862 (original designation).

Eriopsilus Bates, 1866: 193; Lacordaire, 1872: 631.

Type-species - *Eriopsilus nigrinus* Bates, 1866 (monotypy).

1. *Eupogonius annulicornis* Fisher, 1926

Type locality - Holotype female: Cuba, Cayamas. (USNM). **Distribution** - United States (Florida), Cuba.

Eupogonius annulicornis Fisher, 1926a: 9; Breuning, 1974a: 11; Zayas, 1975: 198; Hovore, Penrose & Giesbert, 1978: 96 (distr.); Linsley & Chemsak, 1985: 150; Chemsak, Linsley & Noguera, 1992: 119 (cat.); Monné, M.A., & Giesbert, 1994: 220 (cat.); Monné, M.A., 1994d: 29 (cat.); Browne & Peck, 1996: 2159, 2160 (distr.); Peck & Thomas, 1998: 122 (distr.); Monné, M.A., 2005: 408 (cat.); Peck, 2005: 176 (distr.); Monné, M.A. & Hovore, 2006: 247 (checklist); Lingafelter *et al*., 2014: 17, figs. 17g, h (type); Devesa, Barro & Fonseca, 2019: 24, 100, 110, 2 figs

2. *Eupogonius arizonensis* Knull, 1954

Type locality - Holotype female: United States: Arizo: na, Ruby. (FMNH). **Distribution** - United States (Arizona)

Eupogonius arizonensis Knull, 1954: 127; Breuning, 1974a: 21 (revis.); Chemsak, 1977a: 175 (types); Linsley & Chemsak, 1985: 144; Chemsak, Linsley & Noguera, 1992: 119 (cat.);

Monné, M.A., & Giesbert, 1994: 220 (cat.); Monné, M. A., 1994d: 29 (cat.); Monné, M.A. & Hovore, 2006: 247 (checklist); Santos-Silva, 2022: 3, figs; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 :491

Eupoginius sonorensis Wappes & Santos-Silva, 2020: 9, figs 45-48

Type locality – Holotype male, Mexico, Sonora, 16 km SSE Nacozari de García (Rancho La Zulema) (Arizona State Univ., Tempe)

3. *Eupogonius fulvovestitus* Schaeffer, 1905

Syntypes localities - Syntypes: United States, Texas: Brownsville, Las Boragos. (USNM). **Distribution** - United States (Texas: Lower Rio Grande Valley).

Eupogonius fulvovestitus Schaeffer, 1905: 134; 1908: 328 (distr.); Linsley & Martin, 1933: 182 (distr.); Knull, 1954: 128 (reval.); Breuning, 1974a: 21 (revis.); Linsley & Chemsak, 1985: 149; Hovore, Penrose & Neck, 1987: 313 (distr.); Chemsak, Linsley & Noguera, 1992: 119 (cat.); Monné, M.A., 1994d: 30 (cat.); Monné, M.A., & Giesbert, 1994: 221 (cat.); Monné, M.A. & Hovore, 2006: 247 (checklist); Lingafelter *et al*. , 2014: 67, fig. 72 m (syntype); Wappes & Santos-Silva, 2020: 2, figs 1-8

4. *Eupogonius pauper* LeConte, 1852

Type locality - Holotype: United States, Pennsylvania. (MCZN). **Distribution** –This species is known from southern Quebec, north to the Quebec City area, southern Ontario, and southeastern Manitoba, south to southern Texas and southern Florida. **Host plants** - *Acer rubrum* Linnaeus (Aceraceae) *Rhus glabra* Linnaeus, *R. radicans* Linnaeus, *R. toxicodendron* Linnaeus (Anacardiaceae), *Asimina triloba* W. S. Dun (Annonaceae), *Cercis canadensis* Linnaeus, *Gleditschia triacanthus* Linnaeus (Caesalpiniaceae); *Celastrus scandens* Linnaeus (Celastraceae), *Cornus candidissima* Marsall. *C. florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae), *Hamamelis virginiana* Linnaeus, *Liquidambra styraciflua* Linnaeus (Hamamelidaceae). *Carya glabra* (Miller), Sweet, *C. ovata* (Miller) K. Koch, *Juglans nigra* Linnaeus (Juglandaceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Tilia americana* Linnaeus (Malvaceae) *Maclura pomifera* (Rafinesque) C. Schneider, *Morus rubra* Linnaeus (Moraceae), *Fraxinus berlandieriana* A. de Candolle, *F. nigra* Marshall (Oleaceae); *Zanthoxylum clava-herculis* Linnaeus, *Z. fagara* (Linnaeus) Sargent (Rutaceae), *Staphylaea trifolia* Linnaeus (Staphyleaceae)

Eupogonius pauper LeConte, 1852: 159; White, 1855: 402; Breuning. 1974a: 7 (syn.); Turnbow & Franklin, 1980: 246 (distr.); Turnbow & Wappes, 1981: 77, fig. 2 (hosts); Linsley & Chemsak, 1985: 146, fig. 31; Rice, 1985: 1224 (hosts); Hovore, Penrose & Neck, 1987: 312 (distr.); Lingafelter & Horner, 1993: 182 (distr.); Monné, M.A., 1994d: 31 (cat.); Monné, M.A., & Giesbert, 1994: 221 (cat.); Yanega, 1996: 131, pl. 25, fig. 289; Krinsky & Godwin, 1996: 239; Linsley & Chemsak, 1997: 375 (hosts); Peck & Thomas, 1998: 122 (distr.); Schiefer, 1998b: 124 (distr.); Vlasák & Vlasakova, 2002: 213 (distr., hosts); Sikes & Webster, 2005: 321 (distr.); Senchina, 2005: 332 (hosts); Monné, M.A. & Hovore, 2006: 247 (checklist);Holt. 2013: 252 (distr.); Vlasák, 2014: 319 (host); Steury & MacRae, 2014: 11 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 154, pl. 34; Maier, 2020: 81; Webster *et al*., 2020; 89; Vlasak & Vlasakova, 2021: 4, 21 ; Santos-Silva, 2022: 3

Saperda vestita Say, 1826: 273 (nec Say, 1824); LeConte, 1859b: 331

Exocentrus vestitus; Haldeman, 1847a: 373

Pogonocherus vestitus; Haldeman, 1847a: 50

Eupogonius vestitus; LeConte, 1852: 159; White, 1855: 402; Bland, 1861: 98 (distr., hosts); Popenoe, 1878: 83 (distr.); Riley, 1880a: 271 (hosts); Packard, 1881: 75 (biol.); Harrington, 1884b: 49 (hosts); Horn, 1885a: 196; Saunders, 1887: 29 (distr.); Packard, 1890: 292 (biol.); Hopkins, 1893: 298 (biol.); Chittenden, 1894: 101 (hosts); Hamilton, 1895a: 369 (distr.); Leng & Hamilton, 1896: 139 (cat.); Beutenmuller, 1896: 80 (hosts); Chittenden, 1897: 72; Wickham, 1898a: 42; Smith, 1900: 296 (hosts); Dury, 1902: 163 (distr.); Ulke, 1903: 27 (distr.); Felt, 1906: 715 (hosts); Schaeffer, 1908a: 328 (distr.); Wickham, 1909a: 29 (distr.); Smith, 1910: 335; Blatchley, 1910: 1082; Fisher & Kirk, 1912: 315 (distr.); Chagnon, 1917:

237 (distr.); Nicolay, 1919: 71 (distr.); Britton, 1920: 271 (distr.); Craighead, 1923: 126 (larva); Champlain, Kirk & Knull, 1925: 141 (hosts); Kirk & Knull, 1926: 44 (distr.); Blatchley, 1928: 71 (distr.); Leonard, 1928: 454 (distr.); Knull, 1930: 102 (hosts); Beaulne, 1932: 221 (hosts); Barrett,1932: 290 (hosts); Melzer, 1933: 381; Linsley & Martin, 1933: 182 (distr.); Brimley, 1938: 219 (distr.); Chagnon, 1938: 275; Hoffmann, 1942: 11; Thompson, 1943: 47 (paras.); Townes, 1944: 773 (paras.); Beal & Massey, 1945: 92 (biol.); Loding, 1945: 124 (distr.); Knull, 1946: 264; Fattig, 1947: 39 (distr.); Steyskal, 1951: 76 (hosts); Dillon & Dillon, 1953: 261 (syn.); Alexander, 1958: 47 (distr.); Dillon & Dillon, 1961: 634,, pl. 52; Chagnon & Robert, 1972: 275; Kirk & Balsbaugh, 1975: 100 (distr.); Gosling & Gosling, 1976: 22 (distr.); Solomon, Doolittle & Spilman, 1976: 290; Laliberté, Chantal & LaRochelle, 1977: 93 (biol.); Rice & Enns, 1981: 95; Gosling, 1984: 71 (hosts); Chemsak, Linsley & Noguera, 1992: 120 (cat.); MacRae, 1993: 243 (distr., hosts); Bousquet, Laplante, Hammond & Langor, 2017: 154, pl. 34

Type locality - Holotype: United States. (depository unknown)

Eupogonius fraxini Knull, 1918: 132; Kirk & Knull, 1926: 44; Loding, 1933: 149 (distr.); Chemsak, 1977a: 175 (types); Chemsak, Linsley & Noguera, 1992: 119 (cat.)

Type locality - Holotype male: United States, Pennsylvania: Hummelstown. (FMNH).

5. *Eupogonius subarmatus* (LeConte, 1859)

Syntypes localities - Syntypes: United States. Northern New York, New Hampshire. (MCZN)

Distribution - This species ranges from New Brunswick to Minnesota, south to Texas and northern Florida. In Canada, it occurs in New Brunswick, in southern Quebec, as far north as the Quebec City area, and in southern Ontario. **Hosts plants** - *Celastrus scandens* Linnaeus (Celastraceae), *Fagus ferrugineus* Aiton (Fagaceae), *Tilia americana* Linnaeus (Malvaceae), *Ulmus americana* Linnaeus (Ulmaceae).

Amphionycha subarmata LeConte, 1859a: 22

Eupogonius subarmatus; LeConte, 1861: 654; 1873b: 342; Provancher, 1877: 631; LeConte & Horn, 1883: 327: Horn, 1885a: 196; Hamilton, 1895a: 369; Leng & Hamilton, 1896: 139 (hosts); Wickham, 1898a: 42; Harrington, 1899a: 67; Ouellet, 1902: 123 (distr.); Ulke, 1903: 27 (distr., hosts); Felt, 1906: 724 (hosts); Wickham, 1909a: 29 (distr.); Smith, 1910: 335 (distr.); Blatchley, 1910: 1082; Morris, 1911: 110 (distr.); Banks, 1912: 106; Fisher & Kirk, 1912: 315 (distr.); Morris, 1916a: 21; 1916b: 396; 1920 75; Chagnon, 1917: 237 (distr.); Champlain, Kirk & Knull, 1925: 141 (hosts); Kirk & Knull, 1926: 44 (distr.); Leonard, 1928: 454 (distr.); Loding, 1933: 249 (distr.); Knull, 1946: 265, pl. 25, fig. 108; Fattig, 1947: 40 (distr.); Chagnon & Robert, 1962: 275, pl. 19, fig. 1; Breuning, 1974a: 8 (revis); Gosling & Gosling, 1976: 22 (distr.); Laliberté, Chantal & LaRochelle, 1977: 92 (biol.); Turnbow & Franklin, 1980: 246 (distr.); Gosling, 1984: 71 (hosts); 1986: 256 (hosts); Linsley & Chemsak, 1985: 143; Chemsak, Linsley & Noguera, 1992: 120 (cat.); Monné, M.A., 1994d: 33 (cat.); Monné, M.A., & Giesbert, 1994: 221 (cat.); Yanega, 1996: 131, pl. 19, fig, 230; Linsley & Chemsak, 1997: 376 (hosts); Peck & Thomas, 1998: 122 (distr.); Vlasák & Vlasakova, 2002: 213 (distr., hosts); Monné, M.A. & Hovore, 2006: 247 (checklist); MacRae & Rice, 2007: 251; Holt, 2013: 252 (distr.); Steury & MacRae, 2014: 11 (distr.); Webster *et al*., 2016: 118 (distr.); Webster, 2016: 489 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 154, pl. 34; Maier, 2020: 81

6. *Eupogonius tomentosus* (Haldeman, 1847)

Type locality - Holotype: United States. (MCZN). **Distribution** - Eastern North America from Ontario to Florida, westward to Texas and Illinois. In Canada, it occurs in southern Quebec, north to the Trois-Rivieres area, and southern Ontario. **Host plants** - *Diospyros virginiana* Linnaeus (Ebenaceae), *Pinus banksiana* Lambert. *P. echinata* Miller, *P. resinosa* Aiton, *P. rigida* Miller, *P. strobus* Linnaeus (Pinaceae).

Desmiphora tomentosa Haldeman, 1847a: 50

Eupogonius tomentosus; LeConte, 1852: 159; White, 1855: 402; Thomson, 1861: 346; Bland, 1861: 98 (distr., hosts); Thomson, 1864: 110; Lacordaire, 1872: 632; Riley, 1880a: 271 (hosts); Horn, 1885a: 196; Smith, 1891: 43 (biol.); 1892: 64; Hamilton, 1892: 39 (syn.);

1895a: 369 (distr.); Slosson, 1893a: 147; Beutenmuller, 1896: 80 (hosts); Leng & Hamilton, 1896: 138; Castle & Laurent, 1897: 8 (distr.); Wickham, 1897b: 159 (distr.); 1898a: 42; Smith, 1900: 296 (distr.); Dury, 1902: 263 (distr.); Ulke, 1903: 27 (distr.); Felt, 1906: 751 (hosts); Wickham, 1909a: 29 (distr.); Leng, 1910: 78 (distr.); Smith, 1910: 334 (distr.); Blatchley, 1910: 1082; Nicolay, 1919: 71 (distr.); Frost, 1920: 28 (biol.); Craighead, 1923: 125, figs (larva); Kirk & Knull, 1926: 44 (distr.); Leonard, 1928: 454; Ware, 1929: 368 (distr.); Beaulne, 1932: 221 (hosts); Knull, 1932: 64 (hosts); Brimley, 1938: 219 (distr.); Savely, 1939: 379 (distr.); Loding, 1945: 124 (distr.); Beal & Massey, 1945: 144 (hosts); Knull, 1946: 263; Fattig, 1947: 39 (distr.); Dillon & Dillon, 1961: 634, pl. 62; Breuning, 1974a: 8, fig. 1 (revis); Gosling & Gosling, 1976: 22 (distr.); Laliberté, Chantal & LaRochelle, 1977: 92 (biol.); Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 95; Gosling, 1984: 71 (hosts); Waters & Hyche, 1984: 285 (distr.); Linsley & Chemsak, 1985: 145; Chemsak, Linsley & Noguera, 1992: 120 (cat.); MacRae, 1993: 243 (distr., hosts); Monné, M.A., 1994d: 33 (cat.); Monné, M.A., & Giesbert, 1994: 221 (cat.); Yanega, 1996: 131, pl. 25, fig. 288; Browne & Peck, 1996: 3159 (distr.); Linsley & Chemsak, 1997: 376 (hosts); Peck & Thomas, 1998: 122 (distr.); Schiefer, 1998b: 124 (distr.); Vlasák & Vlasakova, 2002: 213 (distr., hosts); Monné, M.A. & Hovore, 2006: 247 (checklist); Thomas & Turnbow, 2007: 587 (distr.); Turnbow & Thomas, 2008: 19 (distr.); Holt, 2013: 252 (distr.); Klingeman *et al*., 2017: 298 (distr.); DiGirolomo & Dods, 2017: 410 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 154, pl. 34; Maier, 2020: 81

Eupogonius pinivora Fitch, 1858:712; Packard, 1881: 156; 1890: 96; Hamilton, 1891a: 131 (hosts); Felt, 1906: 751; Fattig, 1947: 39

Type locality - Holotype: United States, New York. (NYSM)

Psenocerus LeConte, 1852

Psenocerus LeConte, 1852: 158; Thomson, 1861: 366; 1864: 113; Lacordaire, 1872: 634; LeConte, 1873b: 333; Provancher, 1877: 624; LeConte & Horn, 1883: 318; Casey, 1891: 46; Wickham, 1897a: 202; Blatchley, 1910: 1062; Bradley, 1930: 244; Chagnon, 1938: 268; Knull, 1946: 261; Dillon & Dillon, 1961: 633; Chagnon & Robert, 1962: 268; Arnett, 1962: 870; Breuning, 1974a: 33; Linsley & Chemsak, 1985: 151; Monné, M.A., 1994d: 36; Monné, M.A. & Hovore, 2006: 250 (checklist);

Type species - *Clytus supernotatus* Say, 1824 (monotypy)

Paralarica Breuning, 1938a :389

Type species - *Paralarica picta* Brening, 1938 (original designation)

1. *Psenocerus supernotatus* (Say, 1824)

Type locality - Holotype: United States. Missouri, on the Missouri (depository unknown). **Distribution** - This species ranges from Nova Scotia to western Montana, south to northcentral Texas, eastcentral Mississippi, central Alabama, and southeastern South Carolina. In Canada, it is found from the Nova Scotia peninsula to southern Saskatchewan. Eastern and Central North America **Host plants** - *Metopium toxiferim* (Linnaeus) Krug & Urban, *Rhus glabra* Linnaeus, *R. radicans* Linnaeus, *R. typhina* Turner (Anacardiaceae), *Haplopappus acradenius* S.F. Blake (Asteraceae), *Celastrus scandens* Linnaeus (Celastraceae), *Cornus florida* Linnaeus (Cornaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Quercus velutina* Lamarck (Fagaceae), *Ribes cynosbati* Linnaeus (Grossulariaceae), *Hamamelis virginiana* Linnaeus, *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Carya glabra* (Miller) Sweet, *C. tomentosa* Nuttall (Juglandaceae), *Lindera benzoin* (Linnaeus) Blume (Lauraceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Morus alba* Linnaeus (Moraceae), *Crataegus viridis* Linnaeus (Rosaceae), *Salix nigra* Marshall (Salicaceae), *Staphylea trifolia* Linnaeus (Staphyleaceae). *Parthenocissu engelmanni* Koehne & Graebner, *P. quinquefolia* (Linnaeus) Planchon, *Vitis hederaceae* Ehrhart (Vitaceae).

Clytus supernotatus Say, 1824: 425; Haldeman, 1847a: 42; LeConte, 1859b: 200;

Psenocerus supernotatus; Fitch, 1857: 416, pl. 2, fig. 1; LeConte, 1859a: 49 (distr.); Bland, 1861: 99 (distr., hosts); Osten-Sacken, 1862: 122; Thomson, 1864: 113; Walsh, 1865: 22; Fitch, 1867: 386; Walsh & Riley, 1868: 79 (biol.); Packard, 1872: 499, fig. 491; Saunders, 1872: 42; Lacordaire. 1872: 635; LeConte, 1873b: 333; Henshaw, 1874: 23 (distr.); Popenoe, 1877: 33 (distr.); Provancher, 1877: 624; Saunders, 1880a: 5, fig. 2; 1880b: 76; Riley, 1880a: 270 (hosts); Lintner, 1882: 330 (hosts); Saunders, 1883: 337 (biol.); LeConte & Horn, 1883: 318; Cooke, 1883 217 biol.); Forbes, 1883: 11 (biol.); Hamilton, 1884: 36; 1886: 113; Lintner, 1887: 135 (biol.); Bethune, 1888: 55 (biol.); Hillman, 1889: 178 (biol.); Lugger, 1890: 172, fig. 7; Packard, 1890: 292 (biol.); Cook, 1890: 111, fig. 9; 1891: 108, fig. 1; Gillette, 1890: 494 (biol.); Hamilton, 1891b: 64 (biol.); 1892a: 160; 1892b: 298; 1895a: 339 (distr.); Davis, 1895: 82, fig. 1 (hosts); Knobel, 1895: 34, fig. 93 (distr.); Beutenmuller, 1896: 78 (hosts); Chagnon, 1897: 15 (distr.); Wickham, 1897a: 204, fig. 30; Lugger, 1899: 205, fig. 27; Harrington, 1899a: 61 (biol.); Smith, 1900: 293, fig. 130; Murtfeldt, 1901: 322 (biol.); Dury, 1902: 161 (distr.); Ulke, 1903: 25 (distr.); Pettit, 1904: 36, fig. 34; Britton, 1904: 178 (biol.); Chagnon, 1905b: 36 (distr.); Felt, 1906: 736 (hosts); Wickham, 1909a: 29 (distr.); Smith, 1910: 332, fig. 133; Blatchley, 1910: 1062, fig. 453; Fisher & Kirk, 1912: 313 (distr.); Casey, 1913: 367; Johnson, 1915: 315 (distr.); Notman, 1916: 156 (distr.); Dow, 1916: 20 (biol.); Chagnon, 1917: 235 (distr.); Chapin, 1917: 29 (hosts); Nicolay, 1919: 69 (distr.); Britton, 1920: 270 (distr.); Frost, 1920: 26 (biol.); Morris, 1920b: 14; 1921: 13 (biol.); Craighead, 1923: 126, pls. (larva); Champlain, Kirk & Knull, 1925: 140; Kirk & Knull, 1926: 41 (distr.); Bird, 1927: 126 (hosts); Leonard, 1928: 449 (distr.); Frost & Dietrich, 1929: 436 (distr.); Fletcher, 1929: 259 (hosts); Brown, 1929: 154 (distr.); Ware, 1929: 368 (distr.); Beaulne, 1932: 203 (hosts); Herrick, 1935: 343 (biol.); Brimley, 1938: 217 (distr.); Kaston, 1938: 239 (biol.); Chagnon, 1938: 266, pl. 18, fig, 5; Hoffmann, 1942: 11 (biol.); Beal & Massey, 1945: 92 (biol.); Procter, 1946: 182 (biol.); Fattig, 1947: 30 (distr.); MacNay, 1950: 70; Alexander, 1958: 49 (distr.); Dillon & Dillon, 1961: 634, pl. 62; Chagnon & Robert, 1962: 268, pl. 18, fig. 5; Gardiner, 1966: 204; Breuning, 1974a: 34, fig. 5 (revis); Kirk & Balsbaugh, 1975: 99 (distr.); Stein & Tagestad, 1976: 32; Gosling & Gosling, 1976: 22 (distr.); Laliberté, Chantal & LaRochelle, 1977: 97 (biol.); Turnbow & Franklin, 1980: 343 (distr.); Rice & Enns, 1981: 95; Gosling, 1984: 73 (hosts); Waters & Hyche, 1984: 285 (distr.); Linsley & Chemsak, 1985: 152; Chemsak, Linsley & Noguera, 1992: 121 (cat.); Lingafelter & Horner, 1993: 182 (distr.); MacRae, 1993: 243 (distr.); Monné, M.A., 1994d: 36 (cat.); Monné, M.A., & Giesbert, 1994: 223 (cat.); Krinsky & Godwin, 1996: 239 (hosts); Yanega, 1996: 231, pl. 17, fig. 203; Linsley & Chemsak, 1997: 425 (hosts); Heffern, 1998: 21 (distr.); Schiefer, 1998b: 124 (distr.); Vlasák & Vlasakova, 2002: 214 (distr.); Monné, M.A. & Hovore, 2006: 250 (checklist); MacRae & Rice, 2007: 256 (distr., hosts); Guarnieri, 2009: 20 (distr.); Holt, 2013: 253 (distr., hoata); Vlasák, 2014: 319 (hosts); Steury & MacRae, 2014: 12 (distr.); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 298 (distr.); Haack, Keena & Eyre, 2017: 64 (biol.); Bousquet, Laplante, Hammond & Langor, 2017: 155, pl. 3; Maier, 2020: 84

Psenocerus tristis Casey, 1891: 46; Fall & Cockerell, 1907: 193 (distr.); Casey, 1913: 279; Lingafelter *et al*., 2014: 336, fig. 173 o (holotype)

Type locality - Holotype: United States, New Mexico (USN

Psenocerus supernotatus var. *funebris* Casey, 1914: 367; Breuning, 1974a: 34 (revis.); Lingafelter & Nearns, 2013: 599, fig, 5 a; Lingafelter *et al*., 2014: 351 (unavailable name)

Paralarica picta Breuning, 1938a: 390

Type locality - Holotype: United States, Indiana, Hessville. (MNHN).

Pygmaeopsis Schaeffer, 1908

Pygmaeopsis Schaeffer, 1908a: 347; Bradley, 1930: 244; Arnett, 1962: 870; Breuning, 1974a: 134; Chemsak & Linsley, 1975: 273; Linsley & Chemsak, 1985: 162; Monné, M.A., 1994d; 1; Monné, M.A., & Hovore, 2006: 292 (checklist);Bezark & Santos-Silva, 2019: 104 (transf.)

Type species - *Pygmaeopsis viticola* Schaeffer, 1908 (monotypy)

1. *Pygmaeopsis viticola* Schaeffer, 1908

Type locality - Lectotype: United States, Texas: Brownsville.. (USNM). **Distribution** - United States (Texas, Lower Rio Grande Valley)

Pygmaeopsis viticola Schaeffer, 1908a: 348; Linsley & Martin, 1933: 182 (distr.); Vogt, 1949: 182 (distr.); Breuning, 1974: 135 (revis.); Chemsak & Linsley, 1975: 274; Linsley & Chemsak, 1985: 163, fig. 34; Hovore, Penrose & Neck, 1987: 313 (distr.); Chemsak, Linsley & Noguera, 1992: 123 (cat.); Monné, M.A., 1994d: 1 (cat.); Monné, M.A., & Giesbert, 1994: 220 (cat.); Monné, M.A., & Hovore, 2006: 211 (checklist); Lingafelter *et al*., 2014: 344, fig. 182 w (lectotype).

Tigrinestola Breuning, 1949

Tigrinestola Breuning, 1949: 25; Chemsak & Linsley, 1966: 239 (rev.); Breuning, 1974a: 64 (rev.); Linsley & Chemsak, 1985: 157; Monné, M.A., 1994d: 41 (cat.); Monné, M.A., 2005: 427 (cat.); Monné, M.A. & Hovore, 2006: 251 (checklist); Monné, M.A., 2012: 98; Heffern & Santos-Silva, 2017: 468.

Type-species - *Estola tigrina* Skinner, 1905 (original designation).

1. *Tigrinestola tigrina* (Skinner, 1905)

Type locality - Lectotype female: United States, Arizona: Cochise Co., Huachuca Mts. Carr Canyon. (ANSP). **Distribution** - United States (Arizona, Texas, New Mexico), Mexico (Sonora, Baja California). **Host plants** - *Acer negundo* Linnaeus (Aceraceae), *Cercidium floridum* Bentham ex A. Gray, *Parkinsonia torreyana* S. Watson (Caesalpiniaceae), *Quercus* sp. (Fagaceae).

Lypsimena tigrina Skinner, 1905: 291.

Estola tigrina; Schaeffer, 1906: 20; 1908a: 331 (distr.); Knull, 1937b: 308 (hosts); Linsley, 1942: 78; Linsley, Knull & Statham, 1961: 30 (distr.).

Tigrinestola tigrina; Breuning, 1949: 25; Chemsak & Linsley, 1966: 239, figs. 1, 2; Breuning, 1974a: 64; Hovore & Giesbert, 1976: 358 (hosts); Lewis, 1979: 25; Linsley & Chemsak, 1985: 157; Cope, 1984: 35 (hosts); MacKay, Zak & Hovore, 1987: 365 (hosts); Chemsak, Linsley & Noguera, 1992: 121 (cat.); Monné, M.A., & Giesbert, 1994: 224 (cat.); Monné, M.A., 1994d: 41 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Linsley & Chemsak, 1997: 444 (hosts); Monné, M.A., 2002: 16 (cat.); Monné, M.A., 2005: 427 (cat.); Monné, M.A. & Hovore, 2006: 251 (checklist); Noguera *et al.*, 2009: 89 (distr.); Heffern & Santos-Silva, 2017: 472, figs 1-4, 23 (lect.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 491

Estola picta Schaeffer, 1906: 21.

Syntypes locality – Syntypes: United States, Arizona. (USNM).

DORCASCHEMATINI Thomson, 1860

Dorcaschemitae Thomson, 1860: 107; 1864: 90;

Dorcaschémides; Lacordaire, 1872: 456;

Dorcaschematini; Aurivillius, 1922a: 213; Bradley, 1930: 242; Breuning, 1940b: 527; Knull, 1946: 340; Dillon & Dillon, 1948: 173; 1961: 624; Arnett, 1962: 870; Linsley & Chemsak, 1985: 102; Monné, M.A., 1994a: 45; Bouchard *et al*., 2011: 493

Type genus - *Dorcaschema* Chevrolat, 1844

Type species - *Dorcaschema leptocera* Chevrolat 1844 (monotypy) (= *Saperda alternata* Say, 1824

Protonarthronitae Thomson, 1864: 57

Type genus - *Protonarthron* Thomson, 1858

Type species - ?

Dorcaschema Chevrolat, 1844

Dorcaschema Chevrolat, 1844: 110; Haldeman, 1847a: 54; LeConte, 1852: 147; Thomson, 1860: 104; Chevrolat, 1861: 192; Thomson, 1864: 92; Lacordaire, 1872: 457; LeConte, 1873b: 335;

Provancher, 1877: 526; LeConte & Horn, 1883: 320; Horn, 1885a: 193; Leng & Hamilton, 1896: 110; Wickham, 1897a: 203; Blatchley, 1910: 1065; Craighead, 1923: 110; Bradley, 1930: 244; Chagnon, 1938: 269; Breuning, 1940b: 527 (revis.); Knull, 1946: 240; Dillon & Dillon, 1948: 285; 1961: 632; Arnett, 1962: 870; Marinoni, 1977a: 43; Linsley & Chemsak, 1985: 102; Monné, M.A., 1994a: 45; Monné, M.A. & Hovore, 2006: 251 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 253 (key spp.)

Type species - *Dorcaschema leptocera* Chevrolat, 1844 (monotypy) (= *Saperda alternata* Say, 1824)

Hetoemis Haldeman, 1847a: 54; LeConte, 1852: 146; Thomson, 1860: 14; Chevrolat, 1861: 187; LeConte, 1873b: 335; LeConte & Horn, 1883: 320; Leng & Hamilton, 1896: 108; Blatchley, 1910: 1066; Bradley, 1930: 244; Breuning, 1940b: 527; Knull, 1946: 240; Dillon & Dillon, 1948: 291; 1961: 633; Arnett, 1962: 870

Type species - *Hetoemis juglandis* Haldeman, 1847 (monotypy) (= *Saperda cinérea* Olivier, 1795)

1. *Dorcaschema alternatum* (Say, 1824)

Syntypes locality - Syntypes male and female: United States. (depository unknown)

Distribution - Canada (Ontario). Eastern United States to South Dakota and Texas. **Hosts plants** - *Maclura pomifera* (Rafinesque) C. Schneider, *Morus alba* Linnaeus, *M. celtidifolia* Kunth, *M. rubra* Linnaeus (Moraceae).

Saperda alternata Say, 1824: 405; LeConte, 1859b: 188

Dorcaschema alternata; Haldeman, 1847a: 54

Dorcaschema alternatum; LeConte, 1852: 147; Melsheimer, 1853: 110 (cat.); Thomson, 1860: 108; Chevrolat, 1861: 192 (syn.); Bland, 1861: 99 (distr., hosts); Thomson, 1864: 92; Lacordaire, 1872: 460; Popenoe, 1877: 33 (distr.); Westcott, 1879: 140 (distr.); Riley, 1880a: 270 (biol.); Horn, 1885a: 194; Knobel, 1895: 34; Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 110 (cat.); Beutenmuller, 1896: 78 (biol.); Laurent, 1898: 33; Popenoe, 1899: 41; Smith, 1900: 293 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 50 (distr., hosts); Felt, 1906: 726; Wickham, 1909a: 29 (distr.); Blatchley, 1910: 1066; Smith, 1910: 332; Fisher & Kirk, 1912: 314 (distr.); Dozier, 1918: 335 (distr.); Craighead, 1923: 110 (larva); Kirk & Knull, 1926: 42 (distr.); Leonard, 1928: 450 (distr.); Beaulne, 1932: 203 (hosts); Knull, 1934: 210 (hosts); Brimley, 1938: 217 (distr.); Breuning, 1940b: 531 (revis.); Smith *et al*., 1943: 317; Loding, 1945: 121 (distr.); Beal & Massey, 1945: 77; Knull, 1946: 241; Fattig, 1947: 31; Dillon & Dillon, 1948: 287, pl. 14, fig. 9 (revis.); Alexander, 1958: 43 (distr.); Dillon & Dillon, 1961: 632, pl. 52; Peck. 1963: 955 (paras.); Solomon, 1968: 1024; 1969: 1214 (pred.); Baker, 1972: 194 (biol.); Solomon, Doolittle & Spilman, 1976: 290; Gosling & Gosling, 1976: 21 (distr.); Solomon, 1977a: 298 (biol.); Turnbow & Franklin, 1980: 344 (distr.); Waters & Hyche, 1984: 284 (distr.); Linsley & Chemsak, 1985: 108, fig. 25; Hovore, Penrose & Neck, 1987: 311 (distr.); Chemsak, Linsley & Noguera, 1992:113 (cat.); MacRae, 1993: 242 (distr.); Lingafelter & Horner, 1993: 181 (distr.); Monné, M.A., 1994a: 45 (cat.); Monné, M.A., & Giesbert, 1994: 182 (cat.); Yanega, 1996: 130, pl. 29, fig. 332; Linsley & Chemsak, 1997: 366 (hosts); Heffern, 1998: 20 (distr.); Peck & Thomas, 1998:: 121 (distr.); Schiefer, 1998b: 123 (distr.); Vlasák & Vlasakova, 2002: 213 (distr.); Monné, M.A. & Hovore, 2006: 251 (checklist);Holt, 2013: 253 (distr.); Klingeman *et al*., 2017: 298 (distr.); Haack, 2017: 117 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 153, pl. 35.

Dorcaschema octovittata Knull, 1937b; 307; Chemsak, 1977a: 174 (types)

Dorcaschema alternatum octovitata; Dillon & Dillon, 1948: 289, pl. 14, fig. 10

Type locality - Holotype male: United States, Texas: Davis Mts. (FMNH).

2. *Dorcaschema cinereum* (Olivier, 1795)

Type locality - Holotype: North America (OXUM). **Distribution** – Canada (Ontario), Mideastern United States to Florida and Kansas and Nebraska. **Host plants** - *Celtis* sp. (Cannabaceae). *Cornus florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae), *Hamamelis virginiana* Linnaeus, *Liquidambra styraciflua* Linnaeus

(Hamamelidaceae). *Carya glabra* (Miller), Sweet, *C. ovata* (Miller) K. Koch, *Juglans nigra* Linnaeus (Juglandaceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae); *Tilia* sp. (Malvaceae), *Maclura aurantiaca* Nuttall, *M. pomifera* (Rafinesque) C. Schneider, *Morus alba* Linnaeus, *M. rubra* Linnaeus (Moraceae).

Saperda cinerea Olivier, 1800: 26, pl. 3, fig. 35; Schoenherr, 1817: 440;

Hetoemis cinerea; LeConte, 1852: 146; Melsheimer, 1853: 11o (cat.); Thomson, 1860: 14; Chevrolat, 1861: 187; Bland, 1861: 99 (distr., hosts); Popenoe, 1877: 34 (distr.); Riley, 1880a: 270 (hosts); Lugger, 1884: 204 (hosts); Horn, 1886a: 138; Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 111 (distr., hosts); Beutenmuller, 1896: 77 (hosts); Smith, 1900: 293 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 26 (distr.); Hopkins, 1904: 36 (biol.); Felt, 1906: 726; Wickham, 1909a: 29 (distr.); Blatchley, 1910: 1066; Smith, 1910: 332; Fisher & Kirk, 1912: 314 (distr.); Britton, 1920: 270 (distr.); Craighead, 1923: 111, pl. 5, fig, 1 (larva); Blackman & Stage, 1924: 113 (biol.); Kirk & Knull, 1926: 42 (distr.); Leonard, 1928: 450 (distr.); Barrett, 1932: 290 (hosts); Breuning, 1940b: 532 (revis.); Loding, 1945: 121 (distr.); Knull, 1946: 242, pl. 20, fig. 80; Fattig, 1947: 31; Alexander, 1958: 47 (distr.); Dillon & Dillon, 1961: 633, pl. 53; Wray, 1967: 43 (distr.); Gosling & Gosling, 1976: 22 (distr.); Turnbow & Franklin, 1980: 344 (distr.); Gosling, 1984: 72 (hosts); Waters & Hyche, 1984: 284 (distr.); Monné, M.A. & Hovore, 2006: 251 (checklist);

Hetoemis cinerea cinerea; Dillon & Dillon, 1948: 291, pl. 14, fig. 12

Dorcaschema cinerea; Linsley & Chemsak, 1985: 105 (syn.); Chemsak, Linsley & Noguera, 1992: 113 (cat.); MacRae, 1993: 242 (distr., hosts); Monné, M.A., 1994a: 46 (cat.); Monné, M.A., & Giesbert, 1994: 182 (cat.); Yanega, 1996: 130, pl. 29, fig, 329; Linsley & Chemsak, 1997: 366 (hosts); Peck & Thomas, 1998: 121 (distr.); Schiefer, 1998b: 123 (distr.); Guarnieri, 2009: 18 (distr.); Holt, 2013: 153 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 153, pl. 35; Vlasak & Vlasakova, 2021: 21

Saperda 3-lineata Say, 1826: 273; LeConte, 1859b: 331

Compsidea? trilineata; Haldeman, 1847a: 55

Hetoemis trilineata; Thomson, 1860: 14

Syntypes locality - Syntypes: United States. (depository unknown)

Hetoemis juglandis Haldeman, 1847a: 55; Thomson, 1860: 14; Chevrolat, 1861: 187

Syntypes localities - Syntypes: United States. Pennsylvania, Alabama. (MCZN).

Hetoemis cinerea bimaculata Dillon & Dillon, 1948: 293, pl. 14, fig. 13; Cools, 1993: 64 (paratype)

Type locality - Holotype male: United States, Kansas: Montgomery County. (SEMK).

3. *Dorcaschema nigrum* (Say, 1826)

Syntypes - Syntypes: United States, (depository unknown). **Distribution -** Eastern North America to Kansas and Texas. Canada: Lower Great Lakes/St. Lawrence Lowland region, north to the Trois Rivieres area in Quebec. **Host plants** - *Carya cordiformis* (Juglandaceae).

Saperda nigra Say, 1826: 272; LeConte, 1859b: 330

Dorcaschema nigra Haldeman, 1847a: 54

Dorcaschema nigrum; LeConte, 1852: 147; Melsheimer, 1853: 110 (cat.); Thomson, 1860: 108; Chevrolat, 1861: 192 (syn.); Bland, 1861: 99 (distr., hosts); Lacordaire, 1872: 460; Popenoe, 1877: 33 (distr.); Provancher, 1877: 626; Riley, 1880a: 270 (hosts); Packard, 1881: 73 (biol.); Harrington, 1884b: 47 (hosts); 1884c: 102 (distr.); Horn, 1885a: 194; Hamilton, 1890a: 239 (biol.); Packard, 1890: 293 (hosts); Hamilton, 1891a: 130 (hosts); Harrington, 1891: 133 (paras.); Hopkins, 1893: 196 (hosts); Townsend, 1893: 203 (distr.); Knobel, 1895: 34; Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 110 (cat.); Beutenmuller, 1896: 78 (hosts); Wickham, 1898a: 39; Harrington, 1899a: 66; Smith, 1900: 293 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 26 (distr.); Chagnon, 1905a: 42 (distr.); Zavitz, 1906: 126 (biol.); Felt, 1906: 427, fig. 100; Wickham, 1909a: 29 (distr.); Smith, 1910: 332, Blatchley, 1910: 1066; Fisher & Kirk, 1912: 314 (distr.); Johnson, 1915: 315 (distr.); Chagnon, 1917: 235 (distr.); Britton, 1920: 270 (distr.); Cushman, 1921: 288 (paras.); Craighead, 1923: 110 (larva); Kirk & Knull, 1926: 42; Leonard, 1928: 450 (distr.); Beaulne, 1932: 203 (hosts);

Chagnon 1938: 269; Breuning, 1940b: 531 (revis.); Townes, 1944: 773 (paras.); Knull, 1946: 241, pl. 20, fig. 81; Fattig, 1947: 31 (distr.); Dillon & Dillon, 1948: 289, pl. 14, fig. 11 (revis.); Jacques, 1951: 266, fig. 630; Dillon & Dillon, 1961: 633, pl. 52; Chagnon & Robert, 1962: 269; Gosling & Gosling, 1976: 21 (distr.); Laliberté, Chantal & LaRochelle, 1977: 92 (hosts); Perry, 1977: 98 (distr.); Turnbow & Franklin, 1980: 344 (distr.); Linsley & Chemsak, 1985: 106; Chemsak, Linsley & Noguera, 1992: 113 (cat.); MacRae, 1993: 243 (distr., hosts); Monné, M.A., 1994a: 46 (cat.); Monné, M.A., & Giesbert, 1994: 182 (cat.); Yanega, 1996; 130, pl. 29, fig. 230; Linsley & Chemsak, 1997: 366 (hosts); Schiefer, 1998b: 124 (distr.); Vlasák & Vlasakova, 2002: 213 (distr., hosts); Monné, M.A. & Hovore, 2006: 251 (checklist); Guarnieri, 2009: 19 (distr.); Holt, 2013: 256 (distr.); Klingeman *et al*., 2017: 298 (distr,); Bousquet, Laplante, Hammond & Langor, 2017: 153, pl. 35; Haack, 2020: 187; Vlasak & Vlasakova, 2021: 4, 21

4. *Dorcaschema wildii* Uhler, 1855

Syntypes locality - Syntypes: United States, Maryland, Baltimore. (USNM). **Distribution** - Eastern United States to Nebraska and Texas **Host plants** - *Maclura pomifera* (Rafinesque) C. Schneider, *Morus alba* Linnaeus, *M. rubra* Linnaeus (Moraceae)

Dorcaschema wildii Uhler, 1855: 417; Bland, 1861: 99 (distr., hosts); Rathvon, 1862: 614; Popenoe, 1877: 33 (distr.); Riley, 1880a: 270 (biol.); Horn, 1885a: 194; Murtfeld, 1893: 155; Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 78 (hosts); Leng & Hamilton, 1896: 110; Laurent, 1898: 33, pl. 2; Popenoe, 1899: 41; Smith, 1900: 293; Dury, 1902: 162 (distr.); Ulke, 1903: 26 (distr., hosts); Felt, 1906: 726; Smith, 1910: 332; Blatchley, 1910: 1065; Fisher & Kirk, 1912: 314 (distr.); Craighead, 1923: 110, pls. (larva); Kirk & Knull, 1926: 42 (distr.); Beaulne, 1932: 203 (hosts); Doane *et al*., 1936: 187; Breuning, 1940b: 531 (revis.); Smith *et al*., 1943: 317, pl. 5, fig. 2; Beal & Massey, 1945: 77 (biol.); Knull, 1946: 240; Dillon & Dillon, 1948: 286, pl. 14, fig. 8 (revis); Beal, Haliburton & Knight, 1952: 57; Alexander, 1958: 46 (distr.); Dillon & Dillon, 1961: 632, pl. 52; Wray, 1967: 46 (distr.); Solomon, 1968: 1023 (biol.); 1969: 1214, fig. 1b; Swan & Papp, 1972: 452, fig. 967; Solomon, Newsome & Darwin, 1972: 78; Baker, 1972: 193, fig. 94; Solomon, Doolitle & Spilman, 1975: 290; Solomon, 1977a: 298; White, 1985: 287, fig. 125; Linsley & Chemsak, 1985: 104; Hovore, Penrose & Neck, 1987: 311 (distr.); Chemsak, Linsley & Noguera, 1992: 113 (cat.); MacRae, 1993: 243 (distr.); Monné, M.A., 1994a: 47 (cat.); Monné, M.A., & Giesbert, 1994: 182 (cat.); Yanega, 1996: 130, pl. 29, fig. 331; Linsley & Chemsak, 1997: 366 (hosts); Peck & Thomas, 1998: 121 (distr.); Schiefer, 1998b: 24 (distr.); Vlasák & Vlasakova, 2002: 213 (distr.); Rice & Beal, 2006: 261 (distr.); Monné, M.A. & Hovore, 2006: 251 (checklist); Holt, 2013: 253 (distr.); Klingeman *et al*., 2017: 298 (distr,); Haack, 2017: 117 (hosts)

HEMILOPHINI Thomson, 1868

Amphionychitae Thomson, 1860: 41 (key), 63 [*nomen oblitum*].

Amphionychinae; Pascoe, 1864: 8; Bates, 1866: 367.

Amphionychides; Lacordaire, 1872: 881; Bates, 1881b: 149.

Type-genus: *Amphionycha* Dejean, 1835

Type-species: *Saperda hemispila* Germar, 1821 designated by Marinoni (1977: 40).

Hemilophitae Thomson, 1868a: 189 [*nomen protectum*].

Hemilophini; Aurivillius, 1923: 584 (cat.); Bradley, 1930: 243, 247; Linsley, 1961: 633 (mimet.); Villiers, 1980b: 591: Monné, M.A., 1995c: 1 (cat.); Monné, M.A., 2005: 438 (cat.); Bousquet *et al*., 2009: 31 (*nomen protectum*); Bouchard *et al*., 2011: 494; Lingafelter, 2013: 56 (key Hispaniolan sp.); Martins & Galileo, 2014: 6 (rev.); 2014b: 5.

Type-genus: *Hemilophus* Audinet-Serville, 1835.

Type-species: *Hemilophus dimidiaticornis* Audinet-Serville, 1835 (monotypy).

Itesini Lepesme, 1943: 137.

Type-genus: *Ites* Waterhouse, 1880

Type-species: *Ites plagiatus* Waterhouse, 1880 (monotypy).

Cathetopteron Hamilton, 1896

Cathetopteron Hamilton, *in* Leng & Hamilton, 1896: 162; Bradley, 1930: 247; Arnett, 1962: 873; Monné, M.A., 1995c: 87; Linsley & Chemsak, 1995: 47; Monné, M.A. & Hovore, 2006: 257 (checklist);

Type-species - *Amphionycha amœna* Hamilton, 1896 (original designation).

1. *Cathetopteron amoena* Hamilton, 1896

Type locality - Holotype: United States, Texas, Brownsville. (USNM). **Distribution** - United States (Texas), Mexico (Tamaulipas).

Cathetopteron amoena Hamilton *in* Leng & Hamilton, 1896: 161; Wickham, 1898a: 41; Townsend, 1903: 80 (distr.); Schaeffer, 1908a: 329 (distr.);

Cathetopteron amoena; Aurivillius, 1923: 591 (cat.); Linsley & Martin, 1933: 183 (biol.); Turnbow & Wappes, 1978: 370 (hosts); Hovore, Penrose & Neck. 1987: 322; Chemsak, Linsley & Noguera, 1992: 158 (cat.); Linsley & Chemsak, 1995: 287; Monné, M.A., & Giesbert, 1994: 283 (cat.); Monné. M.A., 1995c: 47 (cat.); Linsley & Chemsak, 1997: 354 (hosts); Monné, M.A. & Hovore, 2006: 257 (checklist); Lingafelter *et al*. 2014: 14, fig. 14a (holotype); Martins, Santos-Silva & Galileo, 2015: 103 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 492

Dylobolus Thomson, 1868

Dylobolus Thomson, 1868a: 195; Lacordaire, 1872: 900; Souza, Marinoni, Monné, M.L. & Gómez-Zurita, 2020: 14

Mecas (Dylobolus); Chemsak & Linsley, 1973: 153; Linsley & Chemsak, 1995: 205; Monné, M.A., 2005: 617 (cat.); Monné, M.A., 2012: 116.

Type-species - *Dylobolus rotundicollis* Thomson, 1868 (monotypy).

1. *Dylobolus rotundicollis* Thomson, 1868

Type locality - Holotype: Mexico. (MNHN). **Distribution** - United States (Oklahoma to Arizona, Texas), Mexico (Chihuahua, Nuevo León, Tamaulipas, Nayarit, Jalisco, Hidalgo, Veracruz, Distrito Federal, Puebla, Guerrero, Oaxaca, Morelos, Chiapas, Zacatecas), Guatemala, Honduras, Costa Rica. **Host plants** - *Verbesina microptera* de Candolle (Asteraceae).

Dylobolus rotundicollis Thomson, 1868a: 196; Lacordaire, 1872: 900; Thomson, 1878: 15 (type) ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 492

Hemilophus rotundicollis; Gemminger *in* Gemminger & Harold, 1873: 3210 (cat.).

Mecas rotundicollis; Bates, 1881a: 205; Breuning, 1956 1: 148; Chemsak, Linsley & Mankins, 1980: 37 (distr.); Linsley & Chemsak, 1997: 395 (hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); García Morales *et al*., 2015: 110 (distr.).

Mecas (Dylobolus) rotundicollis; Chemsak & Linsley, 1973: 153, figs 4-6; Hovore, Penrose & Giesbert, 1978: 97 (biol.); Hovore, Penrose & Neck, 1987: 320, fig. 20 (distr.); Chemsak, Linsley & Noguera, 1992: 153 (cat.); Monné, M.A., & Giesbert, 1994: 276 (cat.); Monné, M.A., 1995c: 40 (cat.); Linsley & Chemsak, 1995: 205, fig. 39; Noguera & Chemsak, 1996: 407 (cat.); Schiefer, 1998a: 279, fig. 1; Monné, M.A., 2002: 51 (cat. hosts); Turnbow, Cave & Thomas, 2003: 41 (distr.); Monné, M.A., 2005: 617 (cat.); Hovore, 2006: 378 (distr.); Noguera *et al*., 2007: 314 (distr.); MacRae & Rice, 2007: 255 (distr.); Swift *et al*., 2010: 65 (distr.); Holt, 2013: 254 (distr.); Noguera & Gutiérrez, 2016: 661 (distr.); Noguera *et al*., 2017: 13 (distr.); Santos-Silva & Androw, 2022: 11, figs 28, 29

Mecas ruficollis Horn, 1878: 44; Bates, 1881a: 205 (distr.); Leng & Hamilton, 1896: 153; Casey, 1913: 362; Linsley, Knull & Statham, 1961: 31 (distr.).

Oberea ruficollis; Lameere, 1883: 75 (cat.).

Mecas rotundicollis m. *ruficollis*; Breuning, 1956: 149.

Syntypes locality - Syntypes male and female: United States, Texas. (ANSP).

Mecas laticeps Bates, 1881a: 204; Breuning, 1956: 151.
Oberea laticeps; Lameere, 1883: 75 (cat.).
Syntypes locality – Syntyes male and female; Mexico, Guanajuato. (BMNH).
Mecas mexicana Bates, 1881a: 204.
Oberea mexicana; Lameere, 1883: 75 (cat.).
Mecas rotundicollis m. *mexicana*; Breuning, 1956: 149.
Syntypes locality – Syntypes female: Mexico, Puebla: Izúcar de Matamoros. (BMNH).
Mecas vitticollis Casey, 1913: 363; Knull, 1934: 211 (distr.); Lingafelter *et al*., 2014: 345, figs. 183m, n (holotype).
Mecas laticeps m. *vitticollis*; Breuning, 1956: 152.
Type locality - Holotype female: Mexico, Durango City. (USNM).
Mecas rotundicollis m. *mediomaculata* Breuning, 1956: 149.
Type locality - Holotype male: Mexico, Guerrero. (BMNH).
Mecas laticeps m. *sutureflava* Breuning, 1956: 151.
Type locality - Holotype male: Mexico, Yucatán: Temax. (BMNH).
Mecas laticeps m. *mediopunctata* Breuning, 1956: 151.
Type locality - Holotype male: Mexico. (MNHN).
Mecas bivitticollis Breuning, 1962c: 148.
Type locality - Holotype: Mexico. (MNHN).

Essostrutha Thomson, 1868

Essostrutha Thomson, 1868: 198; Lacordaire, 1872: 895; Bates, 1881: 210; Monné, M.A., 1995c: 45 (cat.); 2005: 468; 2012: 102; Monné, M.A. & Hovore, 2006: 259 (checklist)
Type-species - *Saperda laeta* Newman, 1840 (monotypy)

1. *Essostrutha laeta* (Newman, 1840)

Type locality - Mexico. (BMNH). Distribution – United States (Texas), Mexico (Chiapas, Guerrero, Jalisco, Morelos, Nayarit, Oaxaca, Puebla, Sinaloa, Veracruz), Guatemala. **Host flowers** - *Asclepias* sp., (Asclepiadaceae), *Melanpodium divaricatum* (A.Rich) de Candolle, *Jatropha curcas* Linnaeus (Euphorbiaceae), *Gliricidia sepium* (Jacquin) Kunth ex Steudel (Fabaceae)
Saperda laeta Newman, 1840: 13.
Essostrutha laeta; Thomson, 1868e: 199; Lacordaire, 1872: 895; 1876: pl. 110, figs. 3, 3a; Bates, 1881a: 210 Chemsak, 1978: 126, 1 fig. (syn.); Chemsak *et al*., 1992: 159 (cat.); Monné, M.A., & Giesbert, 1994: 284 (cat.); Monné, M.A., 1995c: 45 (cat.); Chemsak & Noguera, 1995: 69 (distr.); Noguera & Chemsak, 1996: 408 (cat.); Heffern, 2001: 94 (distr.) Toledo *et al*., 2002: 532 (distr.); Noguera *et al*., 2002: 626 (distr.); Monné, M.A., & Hovore, 2006: 259 (checklist); MacRae, Bezark & Swift, 2012: 184; Morales-Morales *et* al, 2012: 38, 45, fig. 31;Noguera *et al*., 2018: 469
Hemilophus laetus; Gemminger & Harold, 1873: 3209 (cat.).
Amphionycha albina Pascoe, 1858: 256.
Hemilophus albinus; Gemminger & Harold, 1873: 3208 (cat.).
Essostrutha albina; Bates, 1881a: 211.
Type locality - Guatemala. (BMNH).
Essostrutha miniata Lacordaire, 1872: 895.
Hemilophus laetus var. *miniatus*; Gemminger & Harold, 1873: 3209 (cat.).
Type locality - Mexico. (MNHN).
Essostrutha fimbriolata Bates, 1881a: 210; Casey, 1913: 364; Chemsak & Linsley, 1970: 410 (lect.).
Hemilophus fimbriolatus; Lameere, 1883: 77 (cat.).
Type locality - Mexico, Veracruz: Playa Vicente. (BMNH).
Essostrutha cinnabarina Bates, 1881a: 211; 1885: 428; Chemsak & Linsley, 1970: 410 (lect.).
Hemilophus cinnabarinus; Lameere, 1883: 77 (cat.).
Type locality - Guatemala, Escuintla: El Zapote. (BMNH).

Hemierana Aurivillius, 1923

Hemierana Aurivillius, 1923: 394; Bradley, 1930: 247; Knull, 1946: 285; Arnett, 1962: 873; Monné, M.A., 1995c: 48.; Linsley & Chemsak, 1985: 288; Monné, M.A. & Hovore, 2006: 260 (checklist);

Type species - *Saperda marginata* Fabricius, 1798 (Linsley & Chemsak designation, 1985: 289)

1. *Hemierana marginata marginata* (Fabricius, 1798)

Syntypes locality - Syntypes: United States, Carolina (ZMUC). **Distribution** - Eastern United States to Texas and Kansas. **Host plants** – *Vernonia interior* Small (Asteraceae)

Saperda marginata Fabricius, 1798: 148; 1801: 331; Schoenherr, 1817: 437; LeConte, 1852: 165; Zimsen, 1964: 177 (types)

Amphionycha marginata Dejean, 1835: 352; Haldeman, 1847a: 57; 1847b: 374

Hemierana marginata; Aurivillius, 1923: 594 (cat.); Loding, 1945: 126; Fattig, 1947: 45 (distr.); Hovore, Penrose & Giesbert, 1798: 97 (biol.); Turnbow & Franklin, 1980: 347 (distr.); Chemsak, Linsley & Noguera, 1992: 159 (cat.); MacRae, 1993: 249 (distr.); Lingafelter & Horner, 1993: 187 (distr.); Monné, M.A., & Giesbert, 1994: 285 (cat.); Monné, M.A., 1995c: 40 (cat.); Linsley & Chemsak, 1995: 289; 1997: 381 (hosts); Monné, M.A., 1995c: 48 (cat.); Monné, M.A. & Hovore, 2006: 260 (checklist); Haack, 2017: 111 (hosts)

Hemierana marginata marginata; Linsley & Chemsak, 1995: 290; Monné, M.A., & Giesbert, 1995: 293 (cat.); Peck & Thomas, 1998: 124 (distr.); Haack, 2017: 111

Saperda flammata Newman, 1840: 13

Amphionyha flamata; LeConte, 1852: 154; Popenoe, 1877: 34; Horn, 1878: 50 (syn.); 1885: 6; Hamilton, 1893a: 326 (distr.); 1893b: 275 (distr.); 1896: 161; Wickham, 1898a: 40; Ehrmann, 1900: 621 (distr.); Smith, 1900: 297 (distr.); Klages, 1901: 273 (distr.); Ulke, 1903: 27 (distr.); Morris, 1908: 443 (distr.); Wickham, 1909a: 30 (distr.); Leng, 1910: 78 (distr.); Smith, 1910: 337; Kirk & Knull, 1926: 46 (distr.); Leonard, 1928: 457 (distr.); Brimley, 1938: 220 (distr.)

Type locality - Holotype: United States, Florida: St. John's Bluff. (BMNH)

1a. *Hemierana marginata ardens* (LeConte, 1859)

Type locality - Holotype: United States, Kansas: Fort Riley. (MCZN). **Distribution** - Eastern United States to Texas and Kansas. **Host plants** – *Vernonia* sp. (Asteraceae)

Amphionycha ardens LeConte, 1859a: 22; Popenoe, 1877: 34;

Amphionycha flammata var. *ardens*; Horn, 1878: 50; Hamilton, 1896: 161; Wickham, 1898a: 41 (distr.)

Amphionycha marginata ab. *ardens*; Aurivillius, 1923: 595 (cat.)

Hemierana marginata ab. *ardens:* Schwitzgebel & Wilbur, 1942: 38, figs 1, 2,5;

Hemierana marginata ardens; Linsley & Chemsak, 1985: 290, fig, 55; Monné, M.A., & Giesbert, 1994: 293 (cat.); Yanega, 1996: 148, pl. 19, fig. 229; Schiefer, 1998b: 128 (distr.); Vlasák & Vlasakova, 2002: 217 (distr.); Monné, M.A. & Hovore, 2006: 260 (checklist); MacRae & Rice, 2007: 251 (distr.); Holt, 2013: 253 (distr.)

1b. *Hemierana marginata suturalis* (Linell, 1897)

Type locality - Holotype: United States, Texas: Brownsville (USNM). **Distribution** - United States, Texas. **Host plants** - *Benardia myricaefolia* Bentham & Hooker fils (Euphorbiaceae)

Amphionycha suturalis Linell, 1897: 398; Townsend, 1903: 80 (distr.); Schaeffer, 1908a: 329 (distr.)

Hemierana suturalis; Aurivillius, 1923: 595 (cat.); Blatchley, 1930: 34 (distr.); Linsley & Martin, 1933: 183 (distr.); Hovore, Penrose & Neck, 1987: 322; Chemsak, Linsley & Noguera, 1992: 159 (cat.); Monné, M.A., 1995c: 48 (cat.);

Hemierana marginata suturalis; Monné, M.A., & Giesbert, 1994: 285 (cat.); Linsley & Chemsak, 1995: 292; Browne & Peck, 1996: 2159 (distr.); Monné, M.A. & Hovore, 2006: 260 (checklist); Lingafelter *et al*., 2014: 330, fig. 167 g (holotype)

2. *Hemierana rileyi* Heffern, Botero & Santos-Silva, 2019

Type locality - Holotype female: United States, Texas: Jeff Davis Co., Davis Mountain Preserve, Mount Livermore, Mount Livermore Road (2,400–2,500 m; 30.63467º N / 104.16.899º W (± 350 m). (TAMU). **Distribution -** United States, Texas.

Hemierana rileyi Heffern, Botero & Santos-Silva, 2019: 567, figs 14-21

LAMIINI Latreille, 1825

Lamiariae Latreille, 1825: 401; 1829: 122
Lamiides; Blanchard, C. E., 1845: 154, 158.
Lamiidae; White, 1855: 347.
Lamitae verae; Thomson, 1860: 81.
Lamiaires; Mulsant, 1863: 271; Planet, 1924: 260.
Lamiitae; Thomson, 1864: 7.
Lamiini; Reitter, 1912: 54; Plavilstshikov, 1948: 487; Lane, 1974: 537; Villiers, 1980b: 554; Monné, M.A., 1994a: 15 (cat.); Monné, M.A., 2005: 505 (cat.); Bouchard *et al*., 2011: 495; Souza, Marinoni, Monné, M.L. & Gómez-Zurita, 2020: 14
Type genus - *Lamia* Fabricius, 1775
Type species - *Cerambyx textor* Linnaeus, 1768, Latreille designation, 1810
Dorcadioninae Swainson, 1840: 291

Dorcadionitae; Thomson, 1860: 22
Dorcadionini; Breuning, 1962: 371
Type genus - *Dorcadion* Dalman, 1817
Type species - *Cerambyx glycyrrhizae* Pallas, 1773 , Thomson designation 1864: 43
Monohammidae Gistel, 1848a: [9].
Monochamitae; Thomson, 1860: 96; 1864: 80; 1865: 381.
Monochaminae; Pascoe, 1864: 8.
Monohammites; Fairmaire *in* Jacquelin DuVal, 1864: 160.
Monohammides; Lacordaire, 1869: 299.
Monohammini; LeConte, 1873b: 334; Bates, 1880: 95; LeConte & Horn, 1883: 319; Leng & Hamilton, 1896: 108; Blatchley, 1910: 1061, 1063.
Monohammi; Harrington, 1899a: 61.
Monochamini; Aurivillius, 1922a: 73 (cat.); Bradley, 1930: 242, 243; Chagnon, 1938: 268, 269; Saalas, 1936: 131; Dillon & Dillon, 1941: 2 (rev.); Knull, 1946: 233; Duffy, 1953: 244 (larva); 1960: 179 (larva); Dillon & Dillon, 1961: 624; Arnett, 1962: 870, 889; Chagnon & Robert, 1962: 268, 269; Hatch, 1971: 147; Zayas, 1975: 174; Linsley & Chemsak, 1985: 39; Bousquet *et al*., 2009: 33; Bouchard *et al*., 2011: 496.
Type-genus - *Monohammus* Dejean, 1835 (unjustified emendation of *Monochamus* Dejean, 1821 not in prevailing usage)
Type-species - *Cerambyx sutor* Linnaeus, 1758 designated by Curtis (1828: pl. 219).
Pachystolaeidae Gistel, 1848: 2
Type genus - *Pachystola* Dejean, 1835
Type species - *Cerambyx textor* Linnaeus, 1758 (monotypy)
Phryssomitae Thomson, 1860: 22
Phrissomini Aurivillius, 1922: 64. Breuning, 1961: 313
Type genus - *Phrissoma* Dejean, 1835

Type species - *Lamia crispa* Fabricius, 1776 (subsequent designation , Desmarest, 1860: 324
Taeniotitae Thomson, 1864: 76; 1865: 379.
Type-genus - *Taeniotes* Audinet-Serville, 1835
Type-species - *Lamia subocellata* Olivier, 1792 designated by Thomson (1864: 77).
Agnitae Thomson, 1864: 83.
Agniini; Breuning, 1943: 137 (rev.); Heyrovsky, 1955: 252; Breuning, 1961a: 318 (cat.).
Type-genus - *Agnia* Newman, 1842
Type-species - *Agnia casta* Newman, 1842 designated by Thomson (1864: 86).
Geranitae Thomson, 1864: 93.
Type-genus - *Gerania* Audinet-Serville, 1835
Type-species - *Saperda boscii* Fabricius, 1801 (monotypy).
Morimitae Thomson, 1864: 77
Type -genus - *Morimus* Brullé, 1832
Type -species - *Lamia lugubris* Fabricius, 1792 (Thomson designation, 1864 : 77)
Ptychodes LeConte, 1873b: 334 (key), 335.
Type-genus: *Ptychodes* Audinet-Serville, 1835
Type-species: *Ptychodes politus* Audinet-Serville, 1835 (monotypy).
Goes LeConte, 1873b: 334 (key), 335.
Type-genus: *Goes* LeConte, 1852
Type-species: *Cerambyx tigrinus* Degeer, 1775 designated by Thomson (1864: 76)
Rhodopides Lacordaire, 1872: 450
Potemnemini Aurivillius, 1922: 117
Type - genus: *Potemnemus* Thomson, 1864
Type - species - *Cerambyx scabrosus* Olivier, 1790 (original designation)
Docohammidi Dillon & Dillon,1959: 7.
Type-genus: *Docohammus* Aurivillius, 1908.
Type-species: *Docohammus benningseni* Aurivillius, 1908 (monotypy)
Monochamini (Acridocephalidi) Dillon & Dillon, 1959: 49
Acridocephalini; Bouchard *et al*., 2011 : 487
Type- genus: *Acridocephala* Chevrolat, 1855
Type -species : *Acridocephala bistriata* Chevrolat, 1855 (monotypy)
Phrissomini Breuning, 1961: 313
Type- genus : *Phrissoma* Laporte, 1840

***Anoplophora* Hope, 1839**

Anoplophora Hope, 1839: 43; Duponchel, 1841: 611; Thomson, 1860: 79; 1864: 76; 1868a: 183; Lacordaire, 1869: 310; Breuning, 1944: 284; Lingafelter & Hoebeke, 2002: 28; Monné, M.A. & Hovore, 2006: 267 (checklist); Wallin, Torstein & Nylander, 2014: 429; Svacha & Lawrence, 2014: 88; Lin, 2015: 218; Bi & N. Ohbayashi, 2015: 291; Bousquet, Laplante, Hammond & Langor, 2017: 147

Anoplophora (Anoplophora); Breuning, 1944: 284; 1961: 337 *Oplophora* Hope, 1839: 42

Type species - *Anoplophora stanleyana* Hope, 1840 (monotypy

Calloplophora Thomson, 1864: 76; Breuning, 1944: 282; Rondon & Breuning, 1970: 437

Type species - ?

Cyriocrates Thomson, 1868a: 181;

Anoplophora (Cyriocrates); Breuning, 1961a: 339

Type species - *Oplophora Horsfieldii* Hope, 1842 (monotypy)

Melanauster Thomson, 1868a: 181
Type species - *Cerambyx chinensis* Forster, 1771 (subsequent designation Lingafelter & Hoebeke, 2002)
Melanauster (Micromelanauster) Pic, 1931: 49
Type species - *Monohammus Bowringii* White, 1858 (original designation)
Falsocyriocrates Pic, 1953: 2
Type species - *Cyriocrates adonis* Pic, 1925 (original designation)
Mimonemophas Breuning, 1961: 309
Type species - *Mimonemophas quadrifasciatus* Breuning, 1961 (original designation)

1. *Anoplophora glabripennis* (Motschulsky, 1854)

Type locality - Lectotype male China, Pekin (Moscow). **Distribution** - East Asia, the species was inadvertently introduced into the United States in the 1990s and is established at least in Long Island, New York, and in the Chicago area. It was detected outdoors in Canada in northwest Toronto and nearby Vaughan in 2003 and in Mississauga, Ontario, in 2013. **Host plants** - *Acer* spp. (Aceraceae), *Betula pendula* Rothmaier (Betulaceae), *Casuarina equisetifolia* Linnaeus (Casuarinaceae), *Carpinus betulus* Linnaeus (Corylaceae), *Robinia pseudoacacia* Linnaeus (Fabaceae), *Fagus sylvatica* Linnaeus (Fagaceae), *Aesculus hippocastanum* Linnaeus (Hippocastanaceae), *Juglans regia* Linnaeus (Juglandaceae), *Melia azederach* Linnaeus (Meliaceae), *Morus alba* Linnaeus (Moraceae), *Fraxinus sxcelsior* Linnaeus (Oleaceae), *Pinus* sp. (Pinaceae), *Platanus orientalis* Linneus (Platanaceae), *Prunus* sp. (Rosaceae), *Populuis* spp., *Salix* spp. (Salicaceae), *Ulmus* spp (Ulmaceae)

Cerosterna glabripennis Motschulsky, 1854: 48; 1860: 19; 1866: 175
Melanauster glabripennis; Gemminger *in* Gemminger & Harold, 1873: 3023 (cat.);
Anoplophora glabripennis; Breuning, 1944: 287, fig. 170 (revis.); Cavey *et al*., 1998: 373, figs 1-11; Nowak *et al*., 2001: 116; Smith, Bancroft, Guohong, Ruitong & Teale, 2001: 1036; Lingafelter & Hoebeke, 2002: 109, pls. (syn.); Smith, Bancroft & Tropp, 2002:76; Britton & Sun, 2002: 125; Morewood *et* al., 2003: 1028; Keena, 2005: 536; Keena, 2006: 912; Schloss *et al* ., 2006: 625; Monné, M.A. & Hovore, 2006: 267 (checklist); Hajek & Kalb, 2007: 751; Mankin *et al*., 2008: 838; Carter, Smith & Harrison, 2010: 1165; Dodds & Orwig, 2011: 1729; Bouchard, 2014: 528; Fisher & Hajek, 2014: 384; Van Der Gaag & Loomans, 2014:518 (hosts); Meng, Hoover & Keena, 2015: 1; Turgeon *et al*., 2015: 674; Haack, Keena & Eyre, 2017: 76, figs; Hanks & Wang, 2017: 134; Haack. 2017: 119; Bousquet, Laplante, Hammond & Langor, 2017: 147, pl. 34
Cerosterna laevigator Thomson, 1857a: 297
Anoplophora laevigator; Thomson, 1860: 87
Melanauster laevigator; Thomson, 1868a: 182; 1878: 9
Syntypes locality - Syntypes: China. (MNHN)
Melanauster nobilis Ganglbauer, 1889: 82; Breuning, 1946: 23
Syntypes locality - Syntypes male and female: China, Gansu (NHMW)
Melanauster luteonotatus Pic, 1925: 21
Syntypes - Syntypes: China, Gansu, Fukland (MNHN)
Melanauster angustatus Pic, 1925: 21
Type locality - Holotype: China. Sechuan, Batang (MNHN)
Melanauster nankineus Pic, 1926: 2
Type locality - Holotype: China, Nankin (MNHN)

Goes LeConte, 1852

Goes LeConte, 1852: 150; Thomson, 1860: 79; 1864: 76; Lacordaire, 1869: 330; LeConte, 1873b: 335; LeConte & Horn, 1883: 320; Horn, 1885a: 193; Leng & Hamilton, 1896: 108; Wickham, 1897: 202; Blatchley. 1910: 1066; Casey, 1913: 296; Craighead, 1923: 107; Bradley, 1930: 244; Chagnon, 1938: 270; Dillon & Dillon, 1941: 116. 1943: 18; Breuning, 1943: 140; Knull,

1946: 233; Dillon & Dillon, 1961: 628; Arnett, 1962: 870; Chagnon & Robert, 1962: 270; Baker. 1972: 182; Linsley & Chemsak, 1985: 80; Monné, M.A., 1994a: 39; Monné, M.A. & Hovore, 2006: 268 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 151 (key spp)

Type species - *Cerambyx tigrinus* Degeer, 1775 (Thomson designation, 1864: 76)

1. *Goes debilis* LeConte, 1852

Type locality - Holotype; United States, New York. (MCZN). **Distribution** - Eastern North America to Iowa and Arizona. In Canada, it is known from southern Quebec and southern Ontario as far north as North Bay near Lake Nipissin. **Host plants –** *Quercus* spp. (Fagaceae).

Goes debilis LeConte, 1852: 150; Fitch, 1859: 792 (biol.); Bland, 1861: 98 (distr., hosts); Evett, 1862: 220; Riley, 1880: 270 (biol.); Packard, 1881: 30 (biol.); Moffat, 1882b; 58 (distr.); Horn, 1885a: 193; Linell, 1889: 40 (hosts); Packard. 1890: 82, fig. 110 (biol.); Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 78 (hosts); Leng & Hamilton, 1896: 111; Castle & Laurent, 1896: 301 (distr.); 1897: 8 (distr.); Wickham, 1897a: 206; Smith, 1900: 293 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 26 (distr.,hosts); Knaus, 1906: 234 (distr.); Felt, 1906: 702 (distr.); Wickham, 1909a: 29 (distr.); Davis, 1909: 96 (distr.); Leng, 1910: 77 (distr.); Smith, 1910: 333; Blatchley, 1910: 1067; Casey, 1913: 297; Nicolay, 1919: 69 (distr.); Craighead, 1923: 108 (larva); Kirk & Knull, 1926: 42 (distr.); Leonard, 1928: 451 (distr.); Beaulne, 1932: 219 (hosts); Champlain & Knull, 1932: 257; Chagnon, 1938: 271; Dillon & Dillon, 1941: 118 (revis.); Breuning, 1944: 412 (revis.); Knull, 1946: 237; Fattig, 1947: 32 (distr.); Craighead, 1950: 248 (biol.); Jacques, 1951: 266; Anderson, 1960: 282 (biol.); Dillon & Dillon, 1961: 628, pl. 62; Chagnon & Robert, 1962: 271; Solomon, 1969: 1214 (pred.); Baker, 1972: 183 (biol.); Gosling & Gosling, 1976: 18 (distr., hosts); Solomon, Doolittle & Spilman, 1976: 190; Solomon, 1977a: 298 (biol.); 1977b: 57, figs 1-7; Laliberté, Chantal & LaRochelle, 1977: 93 (biol.); Turnbow & Franklin, 1980: 344 (distr.); Linsley & Chemsak, 1985: 82; Chemsak, Linsley & Noguera, 1992: 109 (cat.); MacRae, 1993: 242 (distr.); Monné, M.A., 1994a: 39 (cat.); Monné, M.A., & Giesbert, 1994: 178 (cat.); Yanega, 1996: 127, pl. 30, fig. 339; Krinsky & Godwin, 1996: 239; Linsley & Chemsak, 1997: 379 (hosts); Schiefer. 1998: 123 (distr.); Vlasák & Vlasakova, 2002: 213 (distr., hosts); Rice & Veal, 2006: 231 (distr.,hosts); Monné, M.A. & Hovore, 2006: 268 (checklist); Guarnieri, 2009: 19 (distr.); Spomer, 2014: 302 (distr.); Klingeman *et al*., 2017: 298 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 152, pl.34

2. *Goes fisheri* Dillon & Dilon, 1941

Type locality - Holotype female: United States, Texas; Uvalde. (USNM). **Distribution** - United States (Texas)

Goes fisheri Dillon & Dillon, 1941: 122; 1943: 18; Linsley & Chemsak, 1985: 91; Hovore, Penrose & Neck, 1987: 310 (distr.); Chemsak, Linsley & Noguera, 1992: 109 (cat.); Monné, M.A., 1994a: 39 (cat.); Monné, M.A., & Giesbert, 1994: 178 (cat.); Monné, M.A. & Hovore, 2006: 268 (checklist); Lingafelter *et al* ., 2014: 62, fig. 66 q (holotype).

3. *Goes novus* Fall, 1928

Type locality - Holotype male: United States, Texas; Alpine. (MCZN). **Distribution** -United States (Texas). **Host plants** - *Quercus mohriana* Buckley ex Rydberg (Fagaceae).

Goes novus Fall, 1928: 236; Dillon & Dillon, 1941: 124, pl. 4, fig. 9; Breuning, 1944: 411 (revis.); Hovore, 1983: 385 (biol.); Linsley & Chemsak, 1985: 94; Chemsak, Linsley & Noguera, 1992: 109 (cat.); Monné, M.A., 1994a: 40 (cat.); Monné, M.A., & Giesbert, 1994: 178 (cat.); Linsley & Chemsak, 1997: 379 (hosts); Monné, M.A. & Hovore, 2006: 268 (checklist); Heffern, Vlasák & Alten, 2018: 748 (distr., hosts)

4. *Goes pulchra* (Haldeman, 1847)

Syntype locality - Syntypes: United States, Pennsylvania (MCZN). **Distribution** - Canada: Lower Great Lakes/St. Lawrence Lowland region, north to the Montreal area. Southern

Canada to Georgia westward to Texas and Kansas. **Host plants** - *Carya cordiformis* (Wagenheim(K. Koch, *C. illinoinensis* (Wagenheim) K.Koch, *C. tomentosa* Nuttall, *Juglans nigra* Linnaeus (Juglandaceae).

Monohammus pulcher Haldeman, 1847a: 52; Melsheimer, 1853: 109; Emmons, 1854: 123

Goes pulchra; LeConte, 1852: 150; Bland, 1861: 98; Horn, 1885a: 193; Townsend, 1889: 233 (distr.); Linell, 1889: 229 (biol.); Packard, 1890: 286, fig. 109; Hamilton, 1895a: 339 (distr.); Knobel, 1885: 34, fig. 180; Beutenmuller, 1896: 78 (hosts); Leng & Hamilton, 1896: 111; Wickham, 1897a: 206; Lugger, 1899: 207, pl. 6, fig. 129; Smith, 1900: 293 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 26 (distr., hosts); Zavitz, 1906: 126 (biol.); Felt, 1906: 426, pl. 9, figs 1-5; Fletcher, 1907: 100; Wickham, 1909a: 29 (distr.); Smith, 1910: 332; Blatchley, 1910: 1067, fig. 456; Fisher & Kirk, 1912: 314 (distr,); Nicolay, 1919: 69 (distr.); Britton, 1920: 270 (distr.);

Goes pulcher; Lacordaire, 1869: 331; Riley, 1880: 270 (biol.); Snow, 1881: 76 (distr.); Packard, 1881: 69 (biol.); Moffat, 1882b: 58 (distr.); Shufeldt, 1884: 234 (distr.); Harrington, 1884b: 47 (biol.); Casey, 1913: 296; Leng, 1920: 281; Craighead, 1923: 108 (larva); Kirk & Knull, 1926: 42 (distr,); Leonard, 1928: 450 (distr.); Craighead & Middleton, 1930: 7 (biol.); Beaulne, 1932: 203, 219 (hosts); Herrick, 1935: 120, fig. 87; Doane *et al*., 1936: 188 (biol.); Brimley, 1938: 217 (distr.); Dillon & Dillon, 1941: 120 (revis.); Hoffmann, 1942: 11; Breuning, 1944: 410, fig. 304 (revis.); Knull, 1946: 238; Fattig, 1947: 32; Craighead, 1950: 248 (biol.); Jacques, 1951: 266, fig. 639a; Beal, Haliburton & Knight, 1952: 69 (biol.); Alexander, 1958: 47 (distr.); Dillon & Dillon, 1961: 629, pl. 62; Solomon, 1969: 214 (pred.); Baker. 1972: 183 (biol.); Swan & Papp, 1972:1452, fig. 968; Solomon, 1974: 257, figs. 1-3 (biol.); Gosling & Gosling, 1976: 18 (distr.); Solomon, 1977a: 298 (biol.); Turnbow & Franklin, 1980: 344 (distr.); Hovore, 1983: 385 (hosts); Linsley & Chemsak, 1985: 88, fig. 21; Chemsak, Linsley & Noguera, 1992: 109 (cat.); MacRae, 1993: 142 (distr.); Monné, M.A., 1994a: 40 (cat.); Monné, M.A., & Giesbert, 1994: 178 (cat.); Yanega, 1996: 127, pl. 30, fig. 337; Linsley & Chemsak, 1997: 179 (hosts); Peck & Thomas, 1998: 121 (distr.); Schiefer, 1998b: 123 (distr.); Vlasák & Vlasakova, 2002: 213 (distr.); Monné, M.A. & Hovore, 2006: 268 (checklist); Rice & Veal, 2006: 261 (distr.); Guarnieri, 2009: 19 (distr.); Guarnieri, 2010: 21 (distr.); Holt, 2013: 253 (distr.); Klingeman *et al*., 2017: 298 (distr.); Haack, 2017: 117 (hosts); Bousquet, Laplante. Hammond & Langor, 2017: 152, pl. 34

Goes pulcher fuscatus Knull, 1944: 92; Alexander, 1958: 47 (distr.); Chemsak, 1977a: 85 (types) **Type locality** - Holotype male: United States, Oklahoma: McCurtain County (FMNH).

5. *Goes pulverulentus* (Haldeman, 1847)

Type locality - Holotype: United States. (MCZN). **Distribution** - Eastern North America to Florida, Minnesota and Texas. Canada: Lower Great Lakes/St. Lawrence Lowland region, as far north as the Montreal área. **Host plants** – *Betula nigra* Linnaeus, *Ostrya virginiana* (Miller) K. Koch (Betulaceae), *Carpinus caroliniana* Walter (Corylaceae), *Fagus ferrugínea* Aiton, *Quercus alba* Linnaeus, *Q, ilicifolia* Wagenheim, *Quercus marilandica, Quercus rubra,* (Fagaceae), *Pinus contorta* Douglas ex Loudon (Pinaceae), *Platanus occidentalis* Linnaeus (Platanaceae).

Monohammus pulverulentus Haldeman, 1847a: 51; Melsheimer, 1853: 109 (cat.);

Goes pulverulentus LeConte, 1852: 150; Horn, 1861: 43 (biol.); Bland, 1861: 98 (distr., hosts); Evett, 1862: 220; Lacordaire, 1869: 331; Riley, 1880a: 270 (biol.); Packard. 1881: 131 (biol.); Harrington, 1884a: 73 (distr.); 1884b: 48 (biol.); Horn, 1885a: 193; Townsend, 1889: 233; 1893: 203 (distr.); Packard, 1890: 215 (biol.); Hamilton, 1895a: 339 (distr.); Knobel, 1895: 34; Beutenmuller, 1896: 78 (hosts); Leng & Hamilton, 1896: 111; Wickham, 1897a: 206; Ehrmann, 1897: 169 (hosts); Castle & Laurent, 1897: 8 (distr.); Harrington, 1897: 74 (hosts); 1899a: 62 (biol.); Alwood, 1898: 63; Smith, 1900: 294 (distr.); Ulke, 1903: 26 (distr.); Joutel, 1903: 173 (hosts); Knaus, 1906: 106 (distr.); Davis, 1909: 96 (distr.); Blatchley, 1910: 1068; Smith, 1910: 333; Fisher & Kirk, 1912: 314 (distr.); Casey, 1913: 297; Chagnon, 1917: 236 (distr.); Nicolay, 1919: 70 (distr.); Britton, 1920: 270 (distr.); Craighead, 1923: 108, pls (larva); Kirk & Knull, 1926: 42 (distr.); Leonard, 1928: 450 (distr.); Fall, 1928: 238; Craighead & Middleton, 1930: 7; Beaulne, 1932: 219 (hosts); Herrick, 1935:

43 (biol.); Chagnon, 1938: 270, pl. 18, fig. 9; Brimley, 1938: 217 (distr.); Hoffmann, 1940: 59 (biol.); 1942: 11; Dillon & Dillon, 1941: 122, pl. 4, fig. 8 (revis.); Breuning, 1944: 411 (revis); Beal & Massey, 1945: 92; Loding, 1945: 121 (distr.); Knull, 1946: 238; Fattig, 1947: 32 (distr.); Craighead, 1950: 248 (biol.); Beal, Haliburton & Knight, 1952: 70 (biol.); Alexander. 1958: 47 (distr.); Anderson, 1960: 282; Dillon & Dillon, 1961: 629, pl. 52; Chagnon & Robert, 1962: 269, pl. 18, fig. 9; Hay, 1968: 255, fig. 3-1 (biol.); Solomon, 1969: 1214 (pred.); Donley, Hay & Burns, 1969: 18; Solomon, Newsome & Darwin, 1972: 78; Baker, 1972: 183 (biol.); Donley, 1974: 115; Perry, 1975: 59 (hosts); Gosling & Gosling, 1976: 18 (distr.); Solomon, 1977a: 298 (biol.); Laliberté, Chantal & LaRochelle, 1977: 93 (biol.); Turnbow & Franklin, 1980: 244 (distr.); Linsley & Chemsak. 1985: 95; Hovore, Penrose & Neck, 1987: 110 (distr.); Chemsak, Linsley & Noguera, 1992: 109 (cat.); MacRae, 1993: 242 (distr.); Monné, M.A., 1994a: 40 (cat.); Monné, M.A., & Giesbert, 1994: 178 (cat.); Yanega, 1996: 127, pl. 29, fig. 335; Linsley & Chemsak, 1997: 379 (hosts); Peck & Thomas, 1998: 121 (distr.); Schiefer, 1998b: 123 (distr.); Vlasák & Vlasakova, 2002: 213 (distr., hosts); Sikes & Webster, 2005: 327 (distr.); Monné, M.A. & Hovore, 2006: 268 (checklist); Rice & Veal, 2006: 261 (distr.); Guarnieri, 2009: 19 (distr.); Holt, 2013: 256 (distr.); Steury & MacRae, 2014: 11 (distr.); Haack, 2017: 117 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 152, pl. 34; Vlasak & Vlasanova, 2021: 4,21

Goes laurenticus Casey, 1913: 297

Type locality - Holotype male: United States, New York, Bluff Point, Lake Champlain (USNM).

6. *Goes tesselata* (Haldeman, 1847)

Type locality - Holotype: United States. (MCZN). **Distribution** - Eastern North America south to Florida, west to Texas. Canada: southern Ontario? **Host plants** - *Quercus alba* Linnaeus (Fagaceae), *Amelancher canadensis* Medikus (Rosaceae).

Monohammus tesselatus Haldeman, 1847a: 51

Goes tesselata; LeConte, 1852: 150; Horn, 1885a: 193; Linell, 1889: 40 (hosts); Leng & Hamilton, 1896: 111 (cat.)

Monohammus tessellatus Melsheimer, 1853: 109 (cat.)

Goes tessellata Bland, 1861: 98 (distr., hosts); Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 78 (hosts); Smith, 1900: 294 (distr.); Nicolay, 1919: 69 (distr.); Craighead & Middleton, 1930: 7 (biol.)

Goes tessellatus Lacordaire, 1872: 331; Casey, 1914: 368 (syn.); Brooks, 1923: 313, pls 1-3; Dillon & Dillon, 1941: 125 (revis.); Turnbow & Franklin, 1980: 344 (distr.)

Hammoderus tessellatus; Casey, 1913: 295; Kirk & Knull, 1926: 42; Leonard, 1928: 450 (distr.); Cooper, 1935: 152 (distr.); Herrick, 1935: 119 (biol.); Brimley, 1938: 217 (distr.); Loding, 1945: 121 (distr.);

Goes tesselatus; Craighead, 1923: 108 (larva); Fall, 1928: 237 (syn.); Breuning, 1944: 411 (revis.); Knull, 1946: 238; Fattig, 1947: 32 (distr.); Alexander, 1958: 47 (distr.); Anderson, 1960: 282 (biol.); Baker, 1972: 183; Swan & Papp, 1952: 452; Gosling & Gosling, 1976: 18 (distr.); White, 1985: 287; Linsley & Chemsak, 1985: 92; Hovore, Penrose & Neck, 1987: 310 (distr.); Chemsak, Linsley & Noguera, 1992: 109 (cat.); Monné, M.A., 1994a: 41 (cat.); Monné, M.A., & Giesbert, 1994: 178 (cat.); Yanega, 1996: 127, pl. 30, fig. 341; Linsley & Chemsak, 1997: 379 (hosts); Schiefer, 1998b: 123 (distr.); Vlasák & Vlasakova, 2002: 213 (distr.); Monné, M.A. & Hovore, 2006: 268 (checklist); Guarnieri, 2010: 21 (distr.); Holt, 2013: 253 (distr.); Klingeman *et al*., 2017: 299 (distr,); Haack, 2017: 118 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 152, pl. 34

Hammoderus tesselata; Hoffmann, 1942: 11

Hammoderus tesselatus; Craighead, 1950: 248; Beal, Haliburton & Knight,1952: 70

Hammoderus amplipennis Casey, 1913: 295; Lingafelter *et al*., 2014: 15, fig. 15 a (holotype)

Type locality- Holotype female: Unite-d States, Colorado (USNM)

Goes robinsoni Casey, 1914: 368; Lingafelter *et al*., 2014: 310, fig. 104 e (holotype)

Type locality - Holotype male: United States, Rhode Island, Watch Hill (USNM)

7. *Goes tigrina* (Degeer, 1775)

Type locality - Holotype: United States, Pennsylvania (NHRS). **Distribution** - United States, New York to Florida west to Texas and Michigan. Canada, Ontario. **Host plants** - *Quercus alba* Linnaeus (Fagaceae), *Juglans nigra* Linnaeus (Juglandaceae).

Cerambyx tigrinus Degeer, 1775: 114, pl. 14, fig. 6; Goeze, 1777: 474

Cerambyx (Stenocorus) tigrinus Gmelin, 1790: 1833

Lamia tigris; Schoenherr, 1817: 383

Goes tigrina; LeConte, 1852: 150; Fitch, 1855: 853; 1857: 438 (biol.); Bland, 1861: 98 (distr., hosts); Horn, 1885a: 193; Linell, 1889: 40 (hosts); Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 78 (hosts); Wickham, 1897a: 206; Smith, 1900: 293 (distr.); Ulke, 1903: 26 (distr.); Hopkins, 1904: 36 (biol.); Felt, 1905: 268 (biol.); Smith, 1910: 332; Blatchley, 1910: 1067; Kaeber, 1914: 89; Nicolay, 1919: 69 (distr.); Britton, 1920: 270 (distr.); Craighead & Middleton, 1930: 7 (biol.)

Monohammus tigrinus; Melsheimer, 1853: 109; Fitch, 1855: 850 (biol.)

Goes tigrinus; Thomson, 1864: 76; Lacordaire, 1869: 331; Riley, 1880a: 270 (biol.); Packard, 1881: 69 (biol.); Harrington, 1884b: 47 (hosts); Gahan, 1888a: 263 (syn.); Tolman, 1889: 343; Packard, 1890: 82, fig. 108; Lugger, 1899: 207 (hosts); Casey, 1913: 296; Craighead, 1923: 108, pls (larva); Felt, 1924: 190 (biol.); Kirk & Knull, 1926: 42 (distr.); Leonard, 1928: 450 (distr.); Fall, 1928: 237 (syn.); Beaulne, 1932: 203 (hosts); Barrett, 1932: 190 (hosts); Felt & Rankin, 1932: 260; Herrick, 1935: 119 (biol.); Doane *et al*., 1936: 288; Brimley, 1938: distr.); Dillon & Dillon, 1941: 119 (revis); Hoffmann, 1942: 11 (biol.); Breuning, 1944: 410, fig. 303 (revis); Loding, 1945: 121 (distr.); Knull, 1946: 237, pl. 23, fig. 95; Fattig, 1947: 32; Craighead, 1950: 248, figs; Beal, Haliburton & Knight,1952: 70 (biol.); Anderson, 1960: 282, fig. 11.5; Dillon & Dillon, 1961: 628, pl. 62; Solomon & Morris, 1965: 1, figs 1-4 (biol.); Solomon, 1969:1214, fig. 1A (pred.); Donley, Hay & Burns, 1969: 17 (biol.); Burns, 1969: 39; Donley, 1969: 40; Baker, 1972: 182, fig. 57; Solomon, Newsome & Darwin, 1972: 78 (biol.); Gosling & Gosling, 1976: 18 (distr.); Solomon, 1977a: 298; Turnbow & Franklin, 217 (1980: 244 (distr.); Linsley & Chemsak, 1985: 84; Chemsak, Linsley & Noguera, 1992: 109 (cat.); MacRae, 1993: 242 (distr.); Monné, M.A., 1994a: 41 (cat.); Monné, M.A., & Giesbert, 1994: 178 (cat.); Yanega, 1996: 128, pl. 30, fig. 340; Linsley & Chemsak, 1997: 379 (hosts); Peck & Thomas, 1998: 121 (distr.); Schiefer, 1998b: 123 (distr.); Monné, M.A. & Hovore, 2006: 268 (checklist); Guarnieri, 2009: 19 (distr.); Guarnieri, 2010: 21 (distr.); Holt, 2013: 253 (distr.); Spomer, 2014: 302 (distr.); Steury & MacRae, 2014: 11 (distr.); Klingeman *et al*., 2017: 299 (distr.); Haack, 2017:113 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 152, pl. 3

Lamia rotator Fabricius, 1775: 175; 1781: 222; 1787: 140; 1793: 85; Olivier, 1797: 466; Fabricius, 1801: 299; Chevrolat, 1861: 661 (syn.); Zimsen, 1964: 171 (type)

Cerambyx (Lamia) rotator; Gmelin, 1790: 833; Olivier, 1800: 84, pl. 17, fig. 126

Type locality - Holotype: India. (BMNH)

Monohammus tomentosus Ziegler, 1844: 47; Haldeman, 1847a: 51

Type locality - Holotype female: United States, Pennsylvania. (MCZN)

Goes tigrinus marmoratus Casey, 1913: 296; Lingafelter *et al*., 2014: 333, fig. 171 g (holotype)

Type locality - Holotype male: United States, Texas (USNM)

8. *Goes tumifrons* Linsley & Chemsak, 1985

Type locality - Holotype male: United States, Missouri, Poplar Bluff, Forestry Camp. (University of Missouri, Columbus). **Distribution** - United States (Missouri, Florida, Georgia, Alabama and Texas).

Goes tumifrons Linsley & Chemsak. 1985: 91; Chemsak, Linsley & Noguera, 1992: 109 (cat.); MacRae, 1993: 242 (distr.); Monné, M. A., 1994a: 42 (cat.); Monné, M.A., & Giesbert, 1994: 178 (cat.); Yanega, 1996: 128, pl. 30, fig. 338; Peck & Thomas. 1998: 121 (distr.); Schiefer, 1998b: 123 (distr.); Monné, M.A. & Hovore, 2006: 268 (checklist); Holt, 2013: 253 (distr.); Ciegler & Gemmill, 2018: 3 (distr.)

9. *Goes variegatus* Linsley & Chemsak, 1985

Type locality - Holotype male: United States, Florida: Gainesville (FSCA). **Distribution** - United States (Florida, South Carolina, Georgia and Mississippi).

Goes variegatus Linsley & Chemsak. 1985: 86, fig. 20; Chemsak, Linsley & Noguera, 1992: 109 (cat.); MacRae, 1993: 242 (distr.); Monné, M.A., 1994a: 42 (cat.); Monné, M.A., & Giesbert, 1994: 178 (cat.); Yanega, 1996: 128, pl. 30, fig. 342; Peck & Thomas, 1998: 121 (distr.); Schiefer, 1998b: 123 (distr.); Androw & Keeney, 1999: 4 (distr.); Monné, M.A. & Hovore, 2006: 268 (checklist); MacRae & Rice, 2007: 251 (distr.); Guarnieri, 2010: 21 (distr.); Holt, 2013: 253 (distr.); Cleger & Gemmill, 2018:3

Hebestola Chevrolat. 1845

Hebestola Chevrolat, 1845: 496; Haldeman, 1847a: 54; Chevrolat, 1861: 190; Marinoni, 1977a: 44; Linsley & Chemsak, 1985: 44; Monné, M.A., 1994a: 42 (cat.); Monné, M.A. & Hovore, 2006: 268 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 146

Type species - *Hebestola nebulosa* Haldeman, 1847 (subsequent monotypy)

Cacoplia LeConte, 1852: 149; Thomson, 1864: 76; Lacordaire, 1869: 338; LeConte, 1873b: 335; LeConte & Horn, 1883: 320; Leng & Hamilton, 1896: 108; Blatchley, 1910: 1063; Bradley, 1930: 243; Dillon & Dillon, 1941: 127; Breuning, 1943: 139; 1944: 413; Knull, 1946: 233; Arnett, 1962: 870

Type species - *Cacoplia pruinosa* LeConte, 1852 (monotypy)

1. *Hebestola pullata* (Haldeman, 1847)

Type locality - Holotype: United States, Alabama. (MCZN). **Distribution** - From southern Quebec to eastern Minnesota, south to Texas and Florida. In Canada, it occurs in the Lower Great Lakes/St. Lawrence Lowland region. **Host plants** - *Castanea* sp., *Quercus* sp. (Fagaceae), *Amelancher canadensis* Medikus (Rosaceae).

Saperda pullata Haldeman, 1847a: 54; LeConte, 1852: 163; Melsheimer, 1853: 111 (cat.);

Cacoplia pullata; LeConte, 1853: 234; Beutenmuller, 1896: 78 (hosts); Leng & Hamilton, 1896: 111 (cat.); Smith, 1900: 293 (distr.); Klages, 1901: 273 (distr.); Ulke, 1903: 26 (distr.); Dury, 1906: 259 (distr.); Felt, 1906: 702; Davis, 1909: 96 (distr.); Leng, 1910: 77 (distr.); Smith, 1910: 332; Blatchley, 1910: 1076; Leng, 1920: 281 (cat.); Britton, 1920: 270 (distr.); Kirk & Knull, 1926: 42 (distr.); Leonard, 1928: 450 (distr.); Belkin, 1934: 222 (distr.); Brimley, 1938: 217 (distr.); Loding, 1945: 121 (distr.); Fattig, 1947: 32 (distr.)

Hebestola pullata; Bousquet, Laplante, Hammond & Langor, 2017: 146, pl. 31

Hebestola nebulosa Haldeman, 1847a: 54; Melsheimer, 1853: 110 (cat.); Linsley & Chemsak, 1985: 45 (syn.); Chemsak, Linsley & Noguera, 1992: 110 (cat.); MacRae, 1993: 242 (distr.); Monné, M.A., 1994a: 42 (cat.); Monné, M.A., & Giesbert, 1994: 178 (cat.); Yanega, 1996: 128, pl. 29, fig. 336; Linsley & Chemsak, 1997: 381 (hosts); Peck & Thomas, 1998: 121 (distr.); Schiefer, 1998b: 123 (distr.); Vlasák & Vlasakova, 2002: 213 (distr.); Sikes & Webster, 2005: 321 (distr.); Monné, M.A. & Hovore, 2006: 268 (checklist); Holt, 2013: 253 (distr.); DiGirolomo & Dodds, 2017: 402 (distr.).

Cacoplia nebulosa; Aurivillius, 1922a: 107 (cat.); Dillon & Dillon, 1941: 27 (revis.); Breuning, 1944: 413 (revis.); Knull, 1946: 239, pl. 19, fig. 74; Fattig, 1947: 32 (distr.); Gosling & Gosling, 1976: 19 (distr.); Turnbow & Franklin, 1980: 344 (distr.)

Caccoplia nebulosa nebulosa; Knull, 1960: 116

Type locality - Holotype: United States. (MCZN)

Cacoplia pruinosa LeConte, 1852: 149; 1853: 234; Bland, 1861: 98 (distr., hosts); Thomson, 1864: 76

Type locality - Holotype: United States, New York (MCZN)

Cacoplia nebulosa albata Knull, 1960: 116; Chemsak. 1977: 173 (types)

Type locality - Holotype male: United States, Alabama: Mobile (FMNH)

Microgoes Casey, 1913

Microgoes Casey, 1913: 298; Bradley, 1930: 244; Dillon & Dillon, 1941: 83; Breuning, 1943: 142; 1944: 412; Knull, 1946: 263; Arnett, 1962: 870; Linsley & Chemsak, 1985: 78;Monné, M.A., 1994a: 38; Monné, M.A. & Hovore, 2006: 268 (checklist);

Type species - *Monohammus oculatus* LeConte, 1862 (original designation)

1. *Microgoes oculatus* (LeConte, 1862)

Type locality - Holotype: United States, Wisconsin, Racine. (MCZN). **Distribution** - United States, Eastern North America, southward to Alabama and westward to Illinois. In Canada this species ranges from Nova Scotia to the Sault Ste. Marie area in Ontario. **Host plants** - *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Cornus florida* Linnaeus (Cornaceae), *Oxydendron arboreum* (Linnaeus) de Candolle, *Fagus ferrugínea* Aiton, *Quercus rubra* Linnaeus (Fagaceae), *Tilia americana* Linnaeus (Malvaceae), *Fraxinus americana* Linnaeus (Oleaceae), *Pinus contorta* Douglas ex Loudon (Pinaceae).

Monohammus oculatus LeConte, 1862: 40; Lacordaire, 1869: 316;

Goes oculatus; 1877: 627; Harrington, 1884b: 48 (biol.); Horn, 1885a: 193; Packard, 1890: 286 (biol.); Hopkins, 1893: 196 (hosts); Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 78 (hosts); Leng & Hamilton, 1896: 111; Wickham, 1897a: 206; Harrington, 1899a: 62 ; Dury, 1902: 162 (distr.); Ulke, 1903: 26 (distr.); Felt, 1906: 715; Blatchley, 1910: 1068; Leng, 1910: 77; Smith, 1910: 333 (distr.); Rohwer, 1914: 316 (paras.); Morris, 1915: 21; 1916: 20; Chagnon, 1917: 236; Morris, 1920a: 75 (distr.); Craighead, 1923: 108, pl. 5, fig. 8 (larva); Beaulne, 1932: 119

Microgoes oculatus Casey, 1913: 298; Leng, 1920: 281 (cat.); Mundinger, 1924: 320 (hosts); Kirk & Knull, 1926: 42 (distr.); Brues, 1927: 77; Procter, 1927: 113 (distr.); Leonard, 1928: 451 (distr.); Champlain & Knull, 1932: 257; Loding, 1933: 149 (distr.); Brimley, 1938: 217 (distr.); Chagnon, 1938: 270, pl. 18, fig. 8; Dillon & Dillon, 1941: 83 (syn.); Breuning, 1944: 412, fig. 305; Loding, 1945: 121 (distr.); Fattig, 1947: 32 (distr.); Chagnon & Robert 1962: 270, pl. 18, fig. 8; Gardiner, 1970: 116; Perry, 1975: 59 (hosts); Gosling & Gosling, 1976: 19 (distr.); Laliberté, Chantal & LaRochelle, 1977: 95 (biol.); Turnbow & Franklin, 1980: 344 (distr.); Linsley & Chemsak, 1985: 78; Gosling, 1986: 156 (hosts); Chemsak, Linsley & Noguera, 1992: 110 (cat.); Monné, M.A., 1994a: 38 (cat.); Monné, M.A., & Giesbert, 1994: 2179 (cat.); Krinsky & Godwin, 1996: 239; Yanega, 1996: 128, pl. 29, fig. 333; Linsley & Chemsak, 1997: 397 (hosts); Schiefer, 2001b: 335 (distr.); Vlasák & Vlasakova, 2002: 13 (distr., hosts); Monné, M.A. & Hovore, 2006: 268 (checklist); Webster, McCorquadale & Majka, 2009: 300 (distr.); Holt, 2013: 253 (distr.); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 299 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 151, pl. 33; Maier, 2020: 83

Microgoes tenuicornis Casey, 1913: 298; Procter, 1946: 182 (distr.); Lingafelter *et al*., 2014: 331, fig. 168 i (lectotype)

Type locality - Lectotype: United States, Pennsylvania, Westmoreland County, Saint Vicent. (USNM)

Monochamus Megerle, 1821

Monochamus Megerle *in* Dejean, 1821: 106 (cat.); Guérin-Méneville, 1826: 186; 1827: 91; Curtis, 1828: 219; Latreille *in* Cuvier, 1829: 124; Stephens, 1831: 230; Audinet-Serville, 1835: 91; Kirby *in* Richardson, 1837: 167; Laporte, 1840: 478; Emmons, 1854: 122; Thomson, 1857b: 174; 1860: 97; 1864: 80; 1865: 381; Desmarest *in* Chenu, 1860: 323; Pascoe, 1866: 292; Desmarest *in* Chenu, 1870: 323; Casey, 1913: 291; Hopping, 1921: 253 (rev.); Craighead, 1923: 103 (larva); Bradley, 1930: 243; Chagnon, 1938: 269; Dillon & Dillon, 1941: 61 (rev.); Breuning, 1943: 170 (key spp.); 1944: 414 (rev.); Knull, 1946: 233; Dillon & Dillon, 1961: 626; Arnett, 1962: 870, 889; Chagnon & Robert, 1962: 269; Hatch, 1971: 148; Baker, 1972: 203; Zayas, 1975: 177; Gosling & Gosling, 1976: 20; Marinoni, 1977a: 45; Furniss & Carolin, 1977: 309; Linsley & Chemsak, 1985: 49; Monné, M.A., 1994a: 15 (cat. Monné, M.A., 2005: 509 (cat.); Monné, M.A. & Hovore, 2006: 269 (checklist); Monné, M.A., 2012: 108; Bousquet, Laplante, Hammond & Langor, 2017: 147 (key spp); Goring & Farrell, 2023: 107777refer

Monachammus; Gray *in* Griffith & Pidgeon, 1832: 109.

Monohammus; Dejean, 1835: 340; Haldeman, 1847a: 51; Chevrolat *in* D'Orbigny, 1846b: 326; LeConte, 1852: 147; Lacordaire, 1869: 314; LeConte, 1873a: 231; 1873b: 334; Provancher,

1877: 624; Bates, 1880: 103; LeConte & Horn, 1883: 319; Horn, 1885a: 190; Leng & Hamilton, 1896: 108; Beutenmuller, 1896: 108; Wickham, 1897a: 202, 204; Fiske, 1908: 26; Blatchley, 1910: 1063.

Monohamus; Guérin-Méneville, 1844: 242.

Monachamus; Jacobson, 1910: 489.

Monochammus; Schaufuss *in* Calwer, 1916: 869.

Type-species - *Cerambyx sutor* Linnaeus, 1758 (subsequent designation, Curtis, 1828, pl. 219).

1. *Monochamus carolinensis* (Olivier, 1793)

Type locality - Holotype female: United States, South Carolina (MHNG). **Distribution** – In United States eastern Nebraska, south to eastern Texas and southern Florida. In Canada, it occurs from New Brunswick to the Sault Ste. Marie region in Ontario **Host plants** - *Pinus banksiana* Lambert, *P. contorta* Douglas ex Loudon, *P. echint* Miller, *P. resinosa* Aiton, *P. strobus* Linnaeus, *P. sylvestris* Linnaeus (Pinaceae)

Lamia carolinensis Olivier, 1793: 278

Cerambyx (Lamia) caroliniensis; Olivier, 1800: 85

Monochamus caroliniensis; Dejean, 1821: 106;

Monochamus carolinensis; Horn, 1875: 150; Casey, 1913: 292; Leng, 1920: 281 (cat,); Brimley, 1938: 217 (distr.); Dillon & Dillon, 1941: 77 (revis,); Breuning, 1944: 442 (revis.); Loding, 1945: 121 (distr.); Knull, 1946: 235; Fattig, 1947: 30; Beal, Haliburton & Knight,1952: 118 (biol.); Dillon & Dillon, 1961: 620, pl. 63; Soper & Olson, 1963: 63; Chang, 1965: 453, 17 figs (morph.); Baker, 1972: 209; Perry, 1975: 59 (hosts); Gosling & Gosling, 1976: 20 (distr.); Hines & Heikkenen, 1977: 123 (biol.); Chantal, 1977: 147 (biol.); Laliberté, Chantal & LaRochelle, 1977: 95 (biol.); Turnbow & Franklin, 1980: 344 (distr.); Gosling, 1984: 72 (hosts); Walsh & Linit, 1984: 1164 (biol.); Pershing & Linit, 1985: 543 (morph.); 1986a: 251 (biol.); 1986b: 706; Alya & Hain, 1986: 390 (biol.); Edwards & Linit, 1991: 319 (biol.); Chemsak, Linsley & Noguera, 1992: 110 (cat.); MacRae, 1993: 242 (distr., hosts); Monné, M.A., 1994a: 16 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.); Yanega, 1996: 129, pl. 30, fig. 345; Browne & Peck, 1996: 2159 (distr.); Linsley & Chemsak, 1997: 400 (hosts); Peck & Thomas, 1998: 121 (distr.); Schiefer, 1998b: 123 (distr.); Vlasák & Vlasakova, 2002: 213 (distr., hosts); Monné, M.A. & Hovore, 2006: 269 (checklist); Rice & Veal, 2006: 261 (distr.); Guarnieri, 2009: 19 (distr.); Togashi *et al*., 2009: 249; Guarnieri, 2010: 22 (distr.); Allison *et al.,*2000: 158; Holt, 2013: 253 (distr.); Spomer, 2014: 202 (distr.); Webster, 2016: 489 (distr.); Webster *et al*., 2016: 118 (distr., hosts); Klingeman *et al*., 2017: 299 (distr.); Blatt, Bishop & Sweeney, 2017: 192 (paras., pherom.); Haack, Keena & Eyre, 2017: 74 (biol.); Bousquet, Laplante, Hammond & Langor, 2017: 148, pl. 31 (*Nomen oblitum)*; Akbulut, Togashi & Linit, 2017: 210 (hosts); DiGirolomo & Dodds, 2017: 410 (hosts)

Lamia dentator Fabricius, 1793: 278; 1801: 294, Palisot de Beauvois, 1805: 244, pl. 36, fig. 5; Haworth, 1812: 84; Schoenherr, 1817: 386 (*Nomen oblitum)*

Monochamus dentator; Audinet-Serville, 1835: 92;

Monohammus dentator Haldeman, 1847a: 51; Chevrolat. 1852a: 650; Melsheimer, 1853: 109 (cat.); Bowditch, 1873: 498 (biol.); Harrington, 1879: 120 (distr.); 1881: 33 (hosts)

Type locality - Syntypes: United States, Carolina (ZMUC)

Monochamus minor LeConte, 1873a: 231; Knobel. 1895: 34, fig. 95

Type locality - Syntypes: United States, Georgia (MCZN)

2. *Monochamus clamator clamator* (LeConte, 1852)

Type locality - Holotype female: United States, New Mexico: Santa Fé. (MCZN). **Distribution** - Rocky Mountain region of Colorado and Utah to Arizona, New Mexico and western Texas. **Host plants** - *Pinus arizonica* Engelmann & Rothrock, *P. ayacahuite* Ehrenberg & Schlechtendal*, P. contorta* Douglas ex Loudon, *P. edulis* Engelhorn, *P. jeffreyi* Balfour, *P. ponderosa* Douglas ex Laeson & nP. Lawson (Pinaceae).

Monohammus clamator LeConte, 1852: 149; Melsheimer, 1853: 109; Lacordaire, 1869: 316; LeConte, 1873a: 231; 1876: 520;

Monochamus clamator; Breuning, 1944: 442 (revis.); Dillon & Dillon, 1949: 2; Knowlton & Wood, 1950: 12 (distr.); Lewis, 1979: 24 (distr.); Linsley & Chemsak, 1985: 65; Chemsak, Linsley & Noguera, 1992: 110 (cat.); Macias-Samano, Wakarchuk, Millar & Hanks, 2012: 823 (hosts, pheromone); Costello, Jacobi & Negron, 2013: 151 (hosts); Rice, MacRae & Merickel, 2017: 671 (distr.)

Monochamus clamator clamator; Stein & Tagestad, 1976: 20; Turnbow & Franklin, 1980: 347 (deletion); Linsley & Chemsak, 1985: 68; 1997: 400 (hosts); Monné, M.A., 1994a: 17 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.); Monné, M.A. & Hovore, 2006: 269 (checklist);

Monochamus strenuus Casey, 1913: 293; 1924: 290; Lingafelter *et al*., 2014: 326, fig. 162 q (holotype)

Type locality - Holotype male: United States. Colorado. (USNM)

Monohammus maculosus; Harrington, 1884a: 73 (distr.); 1890: 186 (distr.); Horn. 1885a: 190; Leng & Hamilton, 1896: 108; Wickham, 1897a: 205; Warren 1899: 296 (distr.); Harrington, 1899b: 108 (distr.); Chittenden, 1899: 58 (biol.); Wickham, 1899: 123 (distr.); Fall, 1901: 150 (distr.); Dury, 1902: 161; Skinner, 1903: 40 (distr.); Fall & Cockerell, 1907: 193 (distr.); Schaeffer. 1908: 330 (distr.); Garnett, 1918: 281 (hosts) (*non* Haldeman, 1847)

Monochamus maculosus; Casey, 1913: 292; Hopping, 1921: 253, pl. 11, figs 5, 6; Craighead, 1923: 106 (larva); Essig, 1926: 459, fig. 365; Keen, 1929: 65, fig. 32 a; Craighead & Middleton, 1930: 13 (biol.); Beaulne, 1932: 203 (hosts); Doane *et al*., 1936: 187, figs 96. 97; Lange, 1937: 174 (hosts); Keen, 1938: 152, fig. 75 (biol.); Dillon & Dillon, 1941: 69 (revis.); Keen, 1952: 193 fig. 90 (biol.); Duffy, 1953: 250 (larva); Papp. 1955: 218 (distr.); Clark, 1956: 42 (distr.); Essig, 1958: 459, fig. 365 (biol.); Anderson, 1960: 295;Townes & Townes, 1960: 120 (paras.); Tyson, 1966: 204 (hosts); Ross & Downton. 1966: 377 (control); Safranyik & Raske, 1970: 1903 (biol.); Horning & Barr, 1970: 37; Baker, 1972: 205; Swan & Papp, 1972: 453, fig. 969; Raske, 1973: 799, fig, 14, 17, 32; Furniss & Carolin, 1977: 310 (biol.) (*non* Haldeman, 1847).

2a. *Monochamus clamator latus* Casey, 1924

Type locality - Lectotype female: United States, California: Truckee. (USNM). **Distribution** - Southern California along Sierra Nevada to British Columbia eastward to Nebraska. In Canada, it occurs from Vancouver Island to the Rocky Mountains in Alberta, north to the Skeena River in west-central British Columbia. **Host plants** – *Pinus contorta* Douglas ex Loudon, *P. jeffreyi* Balfour, *P. monticola* Douglas ex D. Don, *P. ponderosa* Douglas ex Lawson & P. Lawson, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae)

Monochamus oregonensis latus Casey, 1924: 290

Monochamus maculosus latus; Dillon & Dillon, 1941: 70, figs; Hardy, 1944: 18; 1948: 33 (distr.)

Monochamus clamator latus; Breuning, 1944: 43 (revis.); Hatch, 1971: 149, pl. 17, figs 7, 8; Chemsak & Linsley, 1982: 77 (cat.); Linsley & Chemsak, 1985: 69, fig. 17; Chemsak, Linsley & Noguera, 1992: 110 (cat.); Monné, M.A., 1994a: 17 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.); Linsley & Chemsak, 1997: 400 (hosts); Monné, M.A. & Hovore, 2006: 269 (checklist); Lingafelter *et al*., 2014: 292, fig. 124 c (lectotype); Blatt, Bishop & Sweeney. 2017: 192 (paras.); Bousquet, Laplante, Hammond & Langor, 2017: 149, pl. 31

2b. *Monochamus clamator linsleyi* Dillon & Dillon, 1941

Type locality - Holotype female: United States, California: Panamint Mts., Inyo County. (CACS). **Distribution** - United States (California: Panamint Mts.). **Host plants** - *Pinus monophylla* Torrey & Fremont (Pinaceae)

Monochamus linsleyi Dillon & Dillon 1941 : 72; Cope, 1967 : 86 (hosts); Tyson, 1970: 298 (hosts)

Monochamus clamator linsleyi: Linsley & Chemsak, 1985: 7; Chemsak, Linsley & Noguera, 1992: 110 (cat.) ; Monné, M.A., 1994a: 17 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.); Linsley & Chemsak, 1997: 400 (hosts); Monné, M.A. & Hovore, 2006: 269 (checklist);

2c. *Monochamus clamator nevadensis* Dillon & Dillon, 1941

Type locality - Holotype male: United States, Nevada: Mt. Wheeler (CACS). **Distribution** - United States (Higher elevations of Nevada and Southern Idaho). **Host plants** - *Pinus monophylla* Torrey & Frémont (Pinaceae)

Monochamus maculosus nevadensis Dillon & Dillon, 1941: 72

Monochamus clamator nevadensis; Breuning, 1961: 367 (cat.); Linsley & Chemsak, 1985: 89; Chemsak, Linsley & Noguera, 1992: 110 (cat.); Monné, M,.A., 1994a: 18 (cat); Monné, M.A., & Giesbert, 1994: 179 (cat.); Linsley & Chemsak, 1997: 400 (hosts); Monné, M.A. & Hovore, 2006: 269 (checklist);

2d. *Monochamus clamator rubigineus* Bates, 1880

Type locality - Lectotype female: Mexico. (BMNH). **Distribution** - United States (southeastern Arizona), Mexico (Durango, Tamaulipas, Veracruz, Distrito Federal, Hidalgo, Chiapas), Guatemala, Honduras. **Host plants** - *Pinus leiophylla chihuahuana* (Engelmann) A.E. Murray, *P. ponderosa* Douglas ex Lawson & P. Lawson (Pinaceae).

Monohammus rubigineus Bates, 1880: 103; Lameere, 1883: 50 (cat.).

Monochamus rubigineus; Aurivillius, 1922a: 92 (cat.); Dillon & Dillon, 1941: 73; Breuning, 1944: 443 (rev.).

Monochamus clamator clamator; Linsley, Knull & Statham, 1961: 27 (hosts).

Monochamus rubigeneus; Chemsak & Linsley, 1970: 414 (lect., error); Chemsak, Linsley & Mankins, 1980: 35 (distr.).

Monochamus clamator rubigineus; Linsley & Chemsak, 1985; 68, fig. 16; Chemsak, Linsley & Noguera, 1992: 110 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.); Monné, M,.A., 1994a: 18 (cat); Noguera & Chemsak, 1996: 404 (cat.); Linsley & Chemsak, 1997: 400 (hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Monné, M.A., 2002: 19 (cat. hosts); Turnbow, Cave & Thomas, 2003: 19 (distr.); Monné, M.A., 2005: 509 (cat.); Hovore, 2006: 375 (distr.); Monné, M.A. & Hovore, 2006: 269 (checklist); Gutiérrez, Márquez & Noguera, 2014: 148, fig. 4i (distr.); García Morales *et al*., 2015: 109 (distr.); Noguera & Gutiérrez, 2016: 661 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 492

3. *Monochamus maculosus* (Haldeman, 1847)

Type locality - Holotype: United States (MCZN). **Distribution** - This species ranges from the Nova Scotia peninsula to the Horn Plateau in southwestern Northwest Territories, south to Minnesota and.Lake Superior region of Michigan.

Monohammus maculosus Haldeman, 1847a: 51; LeConte, 1873a: 231

Monochamus maculosus; Aurivillius, 1922: 91 (cat.); Brimley, 1938: 217 (distr.); Dillon & Dillon, 1941: 76, pl. 1, fig. 3 (revis.); Gardiner, 1957: 246 (biol.); 1966: 201, figs 21, 57; Gosling & Gosling, 1976: 20 (distr.); Linsley & Chemsak. 1985: 62; Chemsak, Linsley & Noguera, 1992: 110 (cat.); Monné, M.A., 1994a: 19 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.);Yanega, 1996: 129, pl. 30, fig. 346; Monné, M.A. & Hovore, 2006: 269 (checklist);Blatt, Bishop & Sweeney, 2017: 192 (paras.); Bousquet, Laplante, Hammond & Langor, 2017: 149, pl. 33.

4. *Monochamus marmorator* Kirby, 1837

Type locality - Holotype: Canada latitude 54º. (BMNH). **Distribution** - Cape Breton Island to the Lake Winnipeg area in eastern Manitoba, south to Tennessee and North Carolina. **Host plants** - *Abies balsamea* (Linnaeus) Miller, *Picea rubens* Sargent (Pinaceae)

Monochamus marmorator Kirby, 1837: 169; Horn, 1876: 169; Casey, 1913: 294; Swaine, 1917: 96; Leng, 1920: 281; Hopping, 1921: 253, pl. 12, figs 1, 8; Craighead, 1923: 106 (larva); Mundinger, 1924: 320 (biol.); Hatch, 1925: 581 (distr.); Kirk & Knull, 1926: 42 (distr.); Peirson, 1927: 66 (biol.); Leonard, 1928: 450 (distr.); Craighead & Middleton, 1930: 13 (biol.); Beaulne, 1932: 203 (hosts); Easterling, 1934: 140 (hosts); Doane *et al*., 1936: 287 (biol.); Chagnon, 1938: 270; Brimley, 1938: 217 (distr.); Dillon & Dillon, 1941: 82, pl. 4, fig. 7 (revis.); Breuning. 1944: 441 (revis.); Craighead, 1950: 252 (biol.); Belyea, 1952: 325

(hosts); Smith, 1953: 41; Duffy, 1953: 250 (larva); Fickus, 1956: 18; Anderson, 1960: 295; Reymond & Reid, 1961: 241; Lindquist, 1962: 978; Steinhaus & Marsh, 1962: 378; Chagnon & Robert, 1962: 270; Soper & Olson, 1963: 83 (biol.); Gardiner, 1966: 201, figs; Baker. 1972: 205; Raske, 1973: 799, figs; Gosling & Gosling, 1976: 20 (distr.); Perry, 1977: 98 (distr.); Laliberté, Chantal & LaRochelle, 1977: 95 (biol.); Linsley & Chemsak, 1985: 60; Gosling, 1986: 156 (hosts); Chemsak, Linsley & Noguera. 1992: 110 (cat.); Monné, M.A., 1994a: 18 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.);Yanega, 1996: 129, pl. 30, fig. 348; Linsley & Chemsak, 1997: 400 (hosts); Monné, M.A. & Hovore, 2006: 269 (checklist); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 299 (distr.); Blatt, Bishop & Sweeney, 2017: 192, figs 1, 3; Haack, 2017: 124 (biol.); Akbulut, Togashi & Linit, 2017: 210 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 150. pl.33;Haack, 2020: 76

Monohammus marmorator; LeConte, 1852: 148; Melsheimer, 1853: 109 (cat.); Fitch, 1858: 710 (biol.); LeConte, 1862: 40 (syn.); Lacordaire, 1869: 316; Caulfield, 1872: 98 (distr.); Bethune, 1872: 55; LeConte, 1873a: 231; Harrington, 1881: 33 (hosts); Packard. 1881: 156 (biol.); Horn, 1885a: 191; Packard, 1890: 695 (biol.); Harrington, 1890a: 186 (distr.); Hopkins, 1893: 196 (hosts); Laurent, 1895: 323 (distr.); Leng & Hamilton, 1896: 109 (cat.); Fyles, 1896: 23 (biol.); Wickham, 1897a: 205; Chittenden, 1899: 58; Harrington, 1899a: 66; Chagnon. 1905: 36 (distr.); Knaus, 1906: 106 (distr.); Felt, 1906: 339; Schaeffer, 1908a: 344; Morris, 1911: 110; Frost, 1916: 388 (distr.); Chagnon, 1917: 235 (distr.); Britton, 1920: 270 (distr.)

Lamia marmorata Randall, 1838: 26

Type locality - Holotype: United States. Maine. (MCZN)

Monohammus fautor LeConte, 1852: 149

Type locality - Holotype female: United States. Lake Superior (MCZN)

Monohammus acutus Lacordaire, 1869: 316

Type locality - Holotype female: Canada, Nova Scotia (MNHN)

5. *Monochamus notatus* (Drury, 1775)

Syntypes locality - Syntypes: United States. Maryland (depository unknown). **Distribution** Eastern Newfoundland to western British Columbia, north to the Great Bear Lake area in the Northwest Territories, south to southern Washington, southern Oklahoma, and northern Georgia. **Host plants** - *Abies balsamea* (Linnaeus) Miller, *Picea glauca* (Moench) Voss, *Pinus monticola* Douglas ex D. Don, *P. resinosa* Aiton, *P. strobus* Linnaeus, *Psedotsuga menziesii* (Mirbel) Franco (Pinaceae).

Cerambyx notatus Drury, 1773: 77, pl. 35, fig. 2; Goeze, 1777: 466;

Monohammus notator; Fitch, 1858: 707; Packard, 1890: 686, figs 226-230; Gahan, 1908: 245 (syn.); Schaeffer, 1909a: 101 (syn.); Smith, 1910: 232; Blatchley, 1910: 1065; Fisher & Kirk, 1912: 314 (distr.)

Monochamus notatus; Casey, 1913: 293; Swaine, 1917: 96; Leng, 1920: 281 (cat.); Hopping, 1921: 255, pl. 9, figs 2, 3; Mundinger, 1924: 319 (biol.); Hatch, 1925: 580; Kirk & Knull, 1926: 42 (distr.); Fletcher, 1926: 143 (distr.); Procter, 1927: 113 (distr.); Leonard, 1928: 449 (distr.); Dunn, 1931: 86; Beaulne, 1932: 203 (hosts); Wolcott & Montgomery, 1933: 156; Linsley, 1933a: 119; Brown, 1934: 230 (distr.); Herrick, 1935: 243, figs 204, 205 (biol.); Sheppard, 1936: 75 (distr.); Saalas, 1936: 133 (morph.); Leach *et al.*, 1936: 130 (biol.); Chagnon, 1938: 270, pl. 18, fig. 7; Brimley, 1938: 217 (distr.); Bedard, 1938: 195 (hosts); Morley, 1939: 244 (biol.); Parmelee, 1941: 376; Dillon & Dillon, 1941: 74, pl. 4, fig, 4 (revis); Townes, 1944: 773 (paras.); Breuning, 1944: 440 (revis,, syn); Knull, 1946: 234, pl. 29, fig. 2; Procter, 1946: 162 (biol.); Fattig, 1947: 31 (distr.); Craighead, 1950: 252; Smith, 1950: 63, fig. 17 (biol.); Gardiner, 1950: 1; Duffy, 1953: 250 (larva); Smith, 1953: 41; Gardiner, 1954: 465; Thomas, 1955: 340 (biol.); Papp. 1955: 218 (distr.); Fickus, 1956: 17 (biol.); Gardiner, 1957: 246 (biol.); Anderson, 1960: 295; Paim & Beckel. 1960: 875; Dillon & Dillon, 1961: 627, pl. 63; Chagnon & Robert, 1962: 270, pl. 18, fig. 7; Steinhaus & Marsh, 1962: 378; Lindquist, 1962: 975; Soper & Olson, 1963: 83 (biol.); Gardiner, 1966: 201, fig. 23; Ross, 1968: 11 (biol.); Barr & Penrose, 1969: 92 (distr.); Gardiner, 1970: 116; Safranyik & Raske, 1970: 1903 (biol.); Hatch, 1971: 149; Baker, 1972: 205 (biol.); Raske, 1973: 799,

figs; Dyer & Seabrook, 1975: 513, figs (morph.); 1978: 199; Gosling & Gosling, 1976: 20 (distr.); Laliberté, Chantal & LaRochelle, 1977: 95 (biol.);Turnbow & Franklin, 1980: 344 (distr.); Linsley & Chemsak, 1985: 75; Gosling, 1986: 156 (hosts); Chemsak, Linsley & Noguera, 1992: 110 (cat.); Monné, M.A., 1994a: 19 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.);Yanega, 1996: 129, pl. 30, figs 343; Linsley & Chemsak, 1997: 400 (hosts); Allison *et al*., 2000: 4 (paras.); Vlasák & Vlasakova, 2002: 213 (distr., hosts); Monné, M.A. & Hovore, 2006: 269 (checklist);Majka, McCorquodale & Smith, 2007: 262; Guarnieri, 2009: 19 (distr.); Fierce *et al.* 2012: 20129 (pherom.); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 299 (distr.); Blatt, Bishop & Sweeney, 2017: 192, figs 1,2,4; Akbulut, Togashi & Linit, 2017: 210 (hosts); Rice, MacRae & Merickel, 2017: 271 (distr.); DiGirolomo & Dodds, 2017: 409 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 150, pl. 33; Maier, 2020: 83; Haack, 2020: 76

Lamia varia Froelich, 1792: 144

Type locality - Holotype: Germany ? (NHMW)

Monochamus confusor Kirby, 1837: 168; Bethune, 1872: 54; Horn, 1876: 169

Monohammus confusor; LeConte, 1852: 148; Melsheimer, 1853: 109; Bland, 1861: 98 (distr.); Couper, 1863: 325; Lacordaire, 1869: 316; LeConte, 1873a: 231; Bethune, 1877a: 28 (biol.); 1877b: 225; Provancher, 1877: 626; Harrington, 1879: 119 (distr.); Saunders, 1879: 181 (biol.); Deveraux, 1879: 110 (distr.); Riley, 1880a: 275 (biol.); Packard, 1881: 152; Harrington, 1881: 33 (hosts); Snow, 1881: 76 (distr.); Saunders, 1881: 8 (biol.);1884: 52, fig. 19; Riley, 1884: 379, pls; 1885: 379; Lintner, 1885a: 379 (biol.); Horn, 1885a: 191; Saunders, 1887: 29 (distr.); Packard, 1888: 172 (biol.); 1890: 686, figs 226-230; Harrington, 1890a: 168 (distr.); 1891: 68; Riley & Howard, 1891: 77; Treat, 1891: 62; Hopkins, 1893: 195 (hosts); Hamilton, 1893b: 275 (distr.); 1893a: 326; 1895a: 339 (distr.); Knobel, 1895: 34, fig. 97; Laurent, 1895: 323 (distr.); Slosson, 1895b: 319 (distr.); Evans, 1895: 173 (distr.); Fletcher, 1896: 49 (biol.); Fyles, 1896: 23, fig. 6; Wickham, 1897a: 205, fig. 32; 1897b: 159 (distr.); Chagnon, 1897: 15 (distr.); Warren, 1899: 296 (distr.); Hopkins, 1899: 439 (biol.); Harrington, 1899b: 108 (distr.); Chittenden, 1899: 58 (biol.); Lugger, 1899: 206, fig. 128 (biol.); Smith, 1900: 293 (distr.); Felt, 1902: 104 (biol.); 1903: 494, pl. 10, fig. 1; Dury, 1902: 151 (distr.); Ulke, 1903: 26 (distr.); Hopkins, 1904: 35 (biol.); Felt, 1904: 169; Chagnon, 1905: 36 (distr.); Felt, 1906: 334, pl. 63, fig. 1; Blatchley, 1910: 1065; Elliott & Morley, 1911: 467 (paras.); Walker, 1912: 59, fig. 26; Frost, 1916: 388 (distr.); Hess, 1917: 64, figs; Chagnon, 1917: 235 (distr.); Blackman, 1919: 89

Monochamus confusor; Treherne, 1916: 187 (biol.); Craighead, 1923: 165 (larva); Felt, 1924: 235 (hosts); Cloudman, 1925: 34 (distr.); Peirson, 1927: 105 (biol.); Graham, 1929:27; Craighead & Middleton, 1930: 13 (biol.); Felt & Rankiln, 1932: 408; Easterling, 1934: 131 (hosts); Doane *et al*., 1936: 187

Syntypes localities - Syntypes: Canada, Nova Scotia; United States. Massachusetts (BMNH)

Monohammus peregrinus Gradl, 1881: 301

Type locality – Holotype female: Czech Republic. Bohemia. (NMPC)

Monochamus notatus morgani Hopping, 1945: 17; Morgan, 1948: 26 (biol.)

Type locality - Holotype male: Canada, British Columbia, Trinity Valley (CNCI)

6. *Monochamus obtusus obtusus* Casey, 1891

Type locality - Lectotype male: United States, California: Siskiyou County, near the northern boundary of the State. (USNM). **Distribution** – Canada, United States (Idaho and Washington to central California). In British Columbia, it occurs from Vancouver Island east to the Selkirk Mountains. **Host plants** – *Abies concolor* Gordon & Glen, *Pinus* spp., *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae)

Monochamus obtusus Casey, 1891: 47; Schaeffer, 1908a: 344 (distr.); Casey, 1913: 293; Leng, 1920: 281 (cat.); Hopping, 1921: 255, pl. 12, figs 4, 7; Casey, 1924: 290; Keen, 1929: 65 (biol.); DeLeon, 1934: 57 (hosts); Hardy, 1936: 35; Keen, 1938: 153 (biol.); Dillon & Dillon, 1941: 67, pl. 4, fig. 2; Hardy, 1942: 11 (distr.); Dillon & Dillon, 1943: 17 (distr., hosts); Breuning, 1944: 443 (revis,); Hardy, 1944: 18 (distr.); Keen, 1952: 194 (biol.); Papp, 1955: 219 (distr.); Tyson, 1966: 204 (biol.); Hatch, 1971: 149; Furniss & Carolin,

1977: 311 (biol.); Cope, 1984: 31 (hosts); Linsley & Chemsak, 1985: 58; Chemsak, Linsley & Noguera, 1992: 110 (cat.); Monné, M.A., 1994a: 20 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.);Linsley & Chemsak, 1997: 401 (hosts); Monné, M.A. & Hovore, 2006: 269 (checklist); Lingafelter *et al*., 2014: 110, fig. 121 s (lectotype); Blatt, Bishop & Sweeney, 2017: 192; Akbulut, Togashi & Linit, 2017: 210 (hosts); Rice, MacRae & Merickel. 2017: 671 (distr.)*;* Bousquet, Laplante, Hammond & Langor, 2017: 150, pl.32

6a. *Monochamus obtusus fulvomaculatus* Linsley, 1933

Type locality - Holotype female: United States, California: eastern slopes of Mt. Diablo (CACS). **Distribution** - United States (Hamilton Range of central California). **Host plants** – *Pinus coulteri* D.Don, *P. sabiniana* Douglas ex D. Don (Pinaceae)

Monochamus fulvomaculatus Linsley, 1933a: 118; Dillon & Dillon, 1941: 68 (revis.); Tyson, 1966: 204 (hosts)

Monochamus obtusus fulvomaculatus; Linsley & Chemsak, 1985: 60; Chemsak, Linsley & Noguera, 1992: 110 (cat.); Monné, M.A., 1994a: 20 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.); Linsley & Chemsak, 1997: 400 (hosts); Monné, M.A. & Hovore, 2006: 269 (checklist);

7. *Monochamus scutellatus* (Say, 1824)

Syntypes locality - Syntypes: United States, Northwest Territory (depository unknown). **Distribution** - Newfoundland, Nova Scotia, Cape Breton, Quebec, Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, Ontario, New York, Pennsylvania, New Jersey, Michigan, Minnesota, Wisconsin, Maryland, District of Columbia, Virginia, North Carolina, Tennessee, Indiana, North Dakota, Montana, Colorado, Hudson Bay, Alberta, Yukon, Alaska. **Host plants** - *Abies* spp., *Larix laricina* (Duroi) K. Koch, *Picea glauca* (Moench) Voss, *Pinus* spp., *Pseudotsuga menziesii* (Mirbel) Franco, *P. taxifolia* (Poiret) Britton, *Tsuga canadensis* (Linnaeus) Carriére, *T. hetrophylla* (Rafinesque) Sargent (Pinaceae).

Cerambyx scutellatus Say, 1824: 289; LeConte, 1859b: 192

Monohammus scutellatus; Haldeman, 1847: 51; LeConte, 1852: 148 (hosts); Melsheimer, 1853: 109 (cat.); Mannerheim, 1853: 248; LeConte, 1857: 23 (distr.); Fitch, 1858: 710, pl. 3, fig. 7 (biol.); Saunders, 1868: 13 (distr.); LeConte, 1869: 371 (distr.); Lacordaire, 1869: 316; Packard, 1872: 498; LeConte, 1873a: 231; Austin & LeConte, 1874: 271 (distr.); Provancher, 1877: 626; Bethune, 1877a: 22; 1877b: 221 (biol.); Popenoe, 1877: 33 (distr.); Snow, 1877: 19 (distr.); 1878: 76 (distr.); Cook, 1878: 248 (biol.); Harrington, 1879: 120 (distr.); Riley, 1880a: 270; Saunders, 1881: 8; Packard, 1881: 156 (biol.); Harrington, 1881: 33 (hosts); Snow, 1883: 42 (distr.); Saunders, 1884: 53, fig. 20 (biol.); Packard, 1890: 696, fig. 232 (biol.); Hamilton, 1890b: 44; Harrington, 1890a: 186 (distr.); 1891: 68; Hopkins, 1893: 195 (hosts); Slosson, 1894: 3 (distr.); Hamilton, 1894a: 31 (distr.); 1895a: 339 (distr.); Laurent, 1895: 323 (distr.); Knobel, 1895: 34; Evans, 1895: 173 (distr.); Fyles, 1896: 23, fig. 7; Fletcher, 1896: 49 (biol.); Wickham, 1897a: 205, fig. 31; 1897b: 199 (distr.); Chagnon, 1897: 15 (distr.); Warren, 1899: 296 (distr.); Hopkins, 1899: 438; Wickham, 1899a: 7; 1899b: 123 (distr.); Smith, 1900: 293 (distr.); McGillivray & Houghton, 1902: 252 (distr.); Ulke, 1903: 25 (distr.); Hopkins, 1904: 21 (biol.); Felt, 1904: 169; Fall & Cockerell, 1907: 193 (distr.); Wright & Coolidge, 1908: 68 (distr.); Morris, 1908: 446; 1909: 60, fig. 13; Engelhardt & Dow, 1909: 96 (distr.); Blatchley, 1910: 1065, fig. 455; Smith, 1910: 332; Elliott & Morley, 1911: 467 (paras.); Frost, 1912: 304; Fisher & Kirk, 1912: 314 (distr.); Swaine, 1913: 90; Clemens, 1916: 297; Chagnon, 1917: 235 (distr.); Nicolay, 1917: 95 (distr.); Blackman & Stage, 1918: 67, figs 16, 17; Garnett. 1918: 281 (distr.); Blackman, 1919: 89; Britton, 1920: 270 (distr.); Cloudman, 1925: 34

Monochamus scutellatus; LeConte, 1850: 235; Emmons, 1854: 123; Bethune, 1872: 74; Horn, 1876: 169; Casey, 1913: 293; Treherne, 1916: 188; Swaine, 1917: 96; Hopping, 1921: 255, pl. 13, figs 3, 5; Craighead, 1923: 106, pls. (larva); Carr, 1923: 197 (distr.); Graham, 1924: 377 (biol.); Mundinger, 1924: 220 (biol.); Hatch, 1925: 580 (biol.); Hutchings, 1925: 8; Essig, 1926: 459, fig. 366 (distr.); Fall, 1926: 202 (distr.); Kirk & Knull, 1926: 42; Peirson,

1927: 105; Procter, 1927: 113 (distr.); Leonard, 1928: 450 (distr.); Keen, 1929: 65, fig. 32b; Craighead & Middleton, 1930: 13 (biol.); Beaulne, 1932: 203 (hosts); Aldrich, 1932: 4 (paras.); Wolcott & Montgomery, 1933: 157 (distr.); Brown, 1934: 230 (distr.); Mank, 1934: 80 (distr.); Easterling, 1934: 140 (hosts); Herrick, 1935: 244 (biol.); Doane *et al*., 1936: 187; Leach *et al*., 1937: 130; Chagnon, 1939: 86; Morley, 1939: 244 (biol.); Hatch, 1939: 49 (distr.); Brown, 1939: 109 (hosts); 1940: 89 (biol.); 1941: 21 (biol.); Palmerlee, 1941: 378; Dillon & Dillon, 1941: 63 (revis.); Townes, 1944: 773 (paras.); Breuning, 1944: 443 (revis.); Kevan, 1945: 231 (biol.); Richmond & Lejeune, 1945: 168 (biol.); Knull, 1946: 234; Procter, 1946: 182 (biol.); Fattig, 1947: 31; Belyea, 1949: 1 (biol.); Gardiner, 1950: 1 (biol.); Craighead, 1950: 252, figs; Howden & Vogt, 1951: 291 (hosts); Belyea, 1952: 325, figs 4c, 4d (hosts); Peterson, 1953: 114, figs; Duffy, 1953: 249, fig. 230; Smith, 1953: 41; Gardiner, 1954: 465; Thomas, 1955: 340 (biol.); Bradley, 1956: 258 (distr.); Fickus, 1956: 16 (biol.). Clark, 1956: 42 (distr.); Gardiner, 1957: 246; 1957: 2; Essig, 1958: 459, fig. 366 (biol.); Prentice & Campbell, 1959: 142; Anderson, 1960: 295; Paim & Beckel, 1960: 875; Townes & Townes, 1960: 126 (paras.); Dillon & Dillon, 1961: 528, pl. 63; Raymond & Reid, 1961: 241; Chagnon & Robert, 1962: 269, pl. 18, fig 6; Lindquist, 1962: 976; Steinhaus & Marsh, 1962: 379; Soper & Olson, 1963: 83; Wickman, 1965: 162 (pred.); Graham & Knight, 1965: 360; Thomas, 1965: 2 (biol.); Gardiner, 1966: 201, figs 24, 55; Lanier & Raske, 1970: 947; Gardiner, 1970: 116; Safranyik & Raske, 1970: 1903; Swan & Papp, 1972: 453, fig. 970: Baker, 1972: 203, fig. 72; Raske, 1973: 23; Dyer & Seabrook, 1975: 513, figs 1-12 (morph.); Perry, 1975: 59 (hosts); Gardiner, 1975: 391; Hosking & Knight, 1976: 1; Gosling & Gosling, 1976: 21 (distr.); Stein & Tagestad, 1976: 21; Laliberté, Chantal & LaRochelle, 1977: 95 (biol.); Hines & Heikkenen, 1977: 124; Furniss & Carolin, 1977: 310, figs; Dyer & Seabrook, 1978: 199; Gagne, 1979: 32; Hughes, 1979: 45; Knight & Heikkenen, 1980: 375; Turnbow & Franklin, 1980: 344 (distr.); Hughes, 1981: 180 (biol.); Gosling, 1984: 72 (hosts); Linsley & Chemsak, 1985: 52; Monné, M.A., 1994a: 21 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.);Allison *et al*., 2000: 4 (paras.); Allison & Borden, 2001: 195 (distr.); Peddle, de Groof & Smith, 2002: 217; Saint-Germain, Drapeau, & Hébert 2004: 1703; O'Neill, Fultz & Ivie, 2008: 30 (distr.); Samaro *et al*., 2012: 823 (hosts., phero.); Fierke *et al*., 2012: 2029 (pherom); Webster, 2016: 489 (distr.); Blatt, Bishop & Sweeney. 2017: 192, figs; Bousquet, Laplante, Hammond & Langor, 2017: 150, pl. 32 (syn.); Akbulut, Togashi & Linit, 2017:210 (hosts); Rice, MacRae & Merickel, 2017: 571 (distr.); DiGirolomo & Dodds, 2017: 410 (hosts); Maier, 2020: 83; Haack, 2020: 76; Haack & Ruesink, 2020: 156; Kitchens *et al*., 2022: 3

Monochamus scutellatus scutellatus; Raske, 1973: 795, figs 2, 4-32; Cerazke, 1977: 232; Linsley & Chemsak, 1985: 53, fig. 13; Gosling, 1986: 156 (hosts); Chemsak, Linsley & Noguera, 1992: 110 (cat.); Monné, M.A., 1994a: 20 (cat.); Yanega, 1996: 129, pl. 30, figs 147; Linsley & Chemsak, 1997: 401 (hosts); Heffern, 1998: 20 (distr., hosts); Peck & Thomas, 1998: 121 (distr.); Vlasák Vlasakova, 2002: 213 (distr., hosts); Lingafelter & Hoebeke, 2002: 200, pl. 20.fig. f; Monné, M.A. & Hovore, 2006: 269 (checklist); Majka, McCorquodale & Smith, 2007: 261; MacRae & Rice, 2007: 255 (distr., hosts); Brodie, Wickman & Teale, 2012: 827 (hosts); Breton *et al*., 2012: 270; Klingeman *et al*., 2017: 299 (distr.); Hanks & Wang, 2017: 134 (biol.)

Monohammus resutor Kirby, 1837: 167; Bethune, 1872: 54

Syntypes locality - Syntypes: Canada, latitude 65 (BMNH)

Monohammus oregonensis LeConte, 1873a: 231; MacGillivray & Houghton, 1902: 252 (distr.);

Monohammus scutellatus oregonensis; Wickham, 1902: 283;

Monochamus oregonensis; Casey, 1913: 292; Hopping, 1921: 255, pl. 12, figs 2, 6; Carr, 1923: 197 (distr.); Casey, 1924: 290 (syn.); Hardy, 1926: 33, pl. 5, fig. 41; Keen, 1929: 65, fig. 32b (biol;); Beaulne, 1932: 203 (hosts); DeLeon, 1934: 67 (hosts); Knowlton & Thatcher, 1936: 280; Keen, 1938: 152; Dillon & Dillon, 1941: 65, pl. 4, fig. 11; Hardy, 1942: 11; 1945: 41, fig. 91; Breuning, 1944: 444 (revis.); Leech, 1947: 108 (hosts); Hardy, 1948: 33 (distr.); Knowlton & Wood, 1950: 13 (distr.); Keen, 1952: 194, figs; Ross, 1960: 355; Anderson, 1960: 295, figs; Lindquist, 1962: 978; Wickman, 1965: 162 (pred.); Tyson, 1966: 204 (hosts); Ross, 1968: 11; Lanier & Raske, 1970: 947, figs 1-12; Safranyik &

Raske, 1970: 1903; Gardiner, 1970: 116; Hatch, 1971: 148; Meyer, McKenzie & Davis, 1978: 326 (paras.); Knight & Heikkenen, 1980: 375

Monochamus scutellatus oregonensis; Essig. 1926: 459 (biol.); Doane *et al*., 1936: 287, fig. 98 (biol.); Essig, 1958: 459 (biol.); Raske, 1973: 795, figs; Furniss & Carolin, 1977: 210; Deyrup, 1977: 281 (hosts); Linsley & Chemsak, 1985: 57; Chemsak, Linsley & Noguera, 1992: 110 (cat.); Linsley & Chemsak, 1997: 401 (hosts); Lingafelter & Hoebeke, 2002: 100, pl. 20, fig. D; Monné, M.A. & Hovore, 2006: 269 (checklist);

Syntypes localities - Syntypes: United States, Oregon & Washington Territory (MCZN)

Monochamus monticola Casey, 1913: 293; Lingafelter *et al*., 2014: 101, fig; 112 c (lectotype)

Type locality - Lectotype: United States, Colorado, Rocky Mountains (USNM)

8. *Monochamus titillator* (Fabricius, 1775)

Type locality - Holotype: United States, Carolina (BMNH). **Distribution** - Eastern North America, west to Alabama in the south and British Columbia and Alaska. Introduced in Cuba, Puerto Rico, Bahamas and Bermudas**. Host plants** - *Abies balsamea* (Linnaeus) Miller, *Pinus* spp. (Pinaceae).

Lamia titillator Fabricius, 1775: 172; 1781: 219; 1787: 137; 1793: 279; Olivier, 1797: 463; 1800: 295; Schoenherr, 1817: 388; Harris, 1838: 89; Zimsen, 1964: 170 (type); Devesa *et al*., 2019: 46

Cerambyx titillator; Goeze, 1777: 470

Cerambyx (Lamia) titillator; Gmelin, 1790: 1831; Olivier, 1800: 85, pl. 15, fig. 109

Lamia (Monohammus) titillator; Harris, 1841: 87

Monohammus titillator; Haldeman, 1847a: 51; LeConte, 1852: 148; Melsheimer, 1853: 108 (cat.); Emmons, 1854: 123, pl. 16, fig. 5; Bland, 1861: 98 (distr., hosts); Rathvon, 1862: 613; Lacordaire, 1869: 316; Packard, 1870: 594, fig. 122 (biol.); 1872: 498 (biol.); LeConte, 1873a: 231; Provancher, 1877: 625, fig. 47; Packard, 1878: 521 (biol.); Cook, 1878: 247, fig. 4 (biol.); Riley, 1880a: 270 (biol.); Horn, 1885a: 190; 1885c: 89; 1886a: 138; Townsend, 1889: 233; Hamilton, 1894b: 252 (distr.); Gundlach, 1894: 328 (distr.); Knobel, 1895: 34, fig. 94; Townsend, 1895: 48 (distr.); Wickham, 1897b: 159 (distr.); Chittenden, 1899: 57 (biol.); Hopkins, 1899: 439 (biol.); Harrington, 1899a: 66; Warren, 1899: 296 (distr.); Smith, 1900: 2983 (distr.); Dury, 1902: 161 (distr.); Ulke, 1903: 26 (distr.); Felt, 1906: 339; Evans, 1906: 59 (distr.); Fall & Cockerell, 1907: 193 (distr.); Fletcher, 1907: 100 (biol.); Wright & Coolidge, 1908: 68 (distr.); Wickham, 1909a: 29 (distr.); 1909b: 402 (distr.); Webb, 1909: 41, figs 14-24 (biol.); Smith, 1910: 332; Blatchley, 1910: 1063, fig. 454; Leng, 1910: 77 (distr.); Webb, 1911: 346, fig.21; Fisher & Kirk, 1912: 314 (distr.); Davis & Leng, 1912: 121 (hosts); Buttrick, 1912: 458 (biol.); Kaeber, 1912: 287 (distr.); Casey, 1913: 292; Chagnon, 1917: 235 (distr.); Leng & Mutchler, 1917: 210 (distr.); Dozier, 1918: 335 (distr.); Britton, 1918: 360; Garnett, 1918: 281 (distr.); Nicolay, 1919: 69 (distr.); Blackman, 1919: 89; Britton, 1920: 270 (distr.); Craighead, 1920: 108 (biol.); Dozier, 1920: 367 (distr.);

Monochamus titillator; Hopping, 1921: 253, pl. 11, figs 1, 4; Craighead, 1923: 106, pl. 7, fig. 12 (larva); Mundinger, 1924: 319; Wolcott, 1924: 110 (distr.); Cloudman, 1925: 34; Kirk & Knull, 1926: 41 (distr.); Peirson, 1927: 88 (biol.; Leonard, 1928: 449 (distr.); Ware, 1929: 368 (distr.); Craighead & Middleton, 1930: 13 (biol.); Beaulne, 1932: 203 (hosts); Goldman, 1933: 97; Easterling, 1934: 140 (hosts); Herrick. 1935: 245 (hosts); Doane *et al*., 1936: 286; Wolcott, 1936: 262 (distr.); Brimley. 1938: 217 (distr.); Chagnon, 1938: 270; Savely, 1939: 333 (biol.); Morley, 1939: 244; Dillon & Dillon, 1961: 79, pl. 4, fig. 6, pl. 5, fig.1 (revis.); Chagnon & Robert, 1962: 270; Soper & Olson, 1963:83; Chemsak, 1967: 186 (distr.); Overgaard, 1968: 1198; Lindquist, 1970: 981; Swan & Papp, 1972: 454, fig. 972; Baker, 1972: 203, fig. 71; Finn, Mastro & Payne, 1972: 344; Zayas, 1975: 177; Perry, 1975: 59 (hosts); Stein & Tagestad, 1976: 21; Gosling & Gosling, 1976: 21 (distr.); Coulson *et al*., 1976: 235; White, 1985: 287, fig. 124; Pershing & Linit, 1985: 543 (morph.); Alya & Hain, 1985: 390, fig. 1 (biol.); Linsley & Chemsak, 1985: 72; Hilburn & Gordon, 1989: 278 (distr.); Chemsak, Linsley & Noguera, 1992: 110 (cat.); MacRae, 1993: 242 (distr., hosts); Monné, M.A., 1994a: 22 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.)Yanega, 1996: 129, pl. 30, figs 344; Browne & Peck, 1996: 2159 (distr.); Linsley & Chemsak, 1997: 401 (hosts); Peck

& Thomas, 1998: 121 (distr.); Schiefer, 1998b: 123 (distr.); Vlasák & Vlasakova, 2002: 213 (distr.); Monné, M.A. & Hovore, 2006: 269 (checklist);Turnbow & Thomas, 2008: 20 (distr.); Guarnieri, 2009: 19 (distr.); Guarnieri, 2010: 22 (distr.); Allison *et al*., 2012: 587; Holt, 2013: 253 (distr.); Steury & MacRae, 2014:11 (distr.); Klingeman *et al*., 2017: 299 (distr.); Blatt, Bishop & Sweeney, 2017: 192 (pherom.); Haack, 2017: 113 (hosts); Akbulut. Togashi & Linit, 2017: 210 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 150, pl. 32; Maier, 2020: 84

Monochamus angusticollis Casey, 1913: 292; Hopping, 1921: 254; Lingafelter *et al*., 2014: 16, fig. 16 kl (holotype)

Type locality - Holotype male: United States, Texas (USNM)

Monochamus titillator obesus Casey, 1924: 2990

Type locality - Holotype male: United States, Colorado (USNM).

Neoptychodes Dillon & Dillon, 1941

Neoptychodes Dillon & Dillon, 1941: 44; Arnett, 1962: 870, 889; Zayas, 1975: 175; Linsley & Chemsak, 1985: 40; Monné, M.A., 1994a: 24 (cat.); Monné, M.A., 2005: 509 (cat.); Monné, M.A. & Hovore, 2006: 269 (checklist); Monné, M.A., 2012: 108.

Type-species - *Cerambyx trilineatus* Linnaeus, 1771 (original designation).

1. *Neoptychodes trilineatus* (Linnaeus, 1771)

Type locality - Type: Jamaica. (Depository unknown). **Distribution** - Southern United States (Arizona), Mexico (Baja California, Colima, Tamaulipas, Nayarit, Guerrero, Puebla, San Luís Potosí, Mexico, Morelos, Tabasco, Yucatán, Sonora, Oaxaca, Durango), Guatemala, Belize, Honduras, El Salvador, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Greater Antilles, Cuba, Jamaica, Trinidad, Tahiti. **Host plants** - *Spondias cytherea* Sonnerat, *S. dulcis* G. Forster, *S. purpurea* Linnaeus (Anacardiaceae), *Annona squamosa* (Annonaceae), *Celtis reticulata* Torrey (Cannabaceae), *Alnus* sp. (Betulaceae), *Euphorbia mexicana* Norton (Euphortbiaceae), *Inocarpus edulis* Forster (Fabaceae), *Juglans* sp. (Juglandaceae), *Brosimum alicastrum* Swartz, *Chlorophora tinctoria* (Linnaeus) Bentham, *Ficus aurea* Nuttall, *F. carica* Linnaeus, *F. cotinifolia* Kunth, *Ficus crocata* (Miq.) Miq., *F. pertusa, Morus rubra* Linnaeus (Moraceae), *Coffea arabica* Linnaeus (Rubiaceae), *Salix* sp. (Salicaceae).

Cerambyx trilineatus Linnaeus, 1771: 532; Drury, 1770: 91, pl. 41, fig. 1; Olivier, 1790: 304, pl. 19, fig. 142; Gmelin, 1790: 1840.

Stenocorus trilineatus; Fabricius, 1775: 179; 1781: 226.

Saperda trilineata; Drury & Westwood, 1837: 86, pl. 41, fig. 1.

Ptychodes trilineatus; Laporte, 1840: 480; Gosse, 1848: 109 (distr.); LeConte, 1852: 146; Chevrolat, 1861: 187; 1862: 255; Rojas, 1866: 246 (distr.); Pascoe, 1866: 286 (distr.); Lacordaire, 1869: 322; Bates, 1872: 197 (distr.); Waterhouse, 1878: 303 (distr.); Bates, 1880: 95 (distr.); 1885: 337 (distr.); Gundlach, 1891: 217; Casey, 1893: 593; Horn, 1894: 339 (distr.); Pittier & Biolley, 1895: 29 (distr.); Gahan, 1895: 120; Leng & Hamilton, 1896: 110; Heyne & Taschenberg, 1907: 241, pl. 37, fig. 6; Mason, 1910: 24 (distr.); Casey, 1913: 294; Leng & Mutchler, 1914: 448 (distr.); Horton, 1917: 371, pls. 35-37 (biol.); Ritchie, 1918: 34 (biol.); Craighead, 1923: 105, pl. 5, fig. 5, pl. 7, fig. 15, pl. 23, fig. 7 (larva); Gowdey, 1926: 22 (distr.); Loding, 1933: 149 (distr.); Doane *et al*., 1936: 187 (hosts); Le Beau, 1938: 46 (biol.); Martorell, 1939: 205 (distr.); Martorell & Salas, 1939: 243 (distr.); Loding, 1945: 121 (distr.); Sherman, 1946: 126 (distr.); Risbec, 1946: 504, figs. (biol.); Craighead, 1950: 262 (biol.).

Neoptychodes trilineatus; Dillon & Dillon, 1941: 45, pl. 3, figs. 19, 20, pl. 4, fig. 12; Linsley, 1942: 68; Fattig, 1947: 31 (distr.); Duffy, 1953: 254, figs. 233, 234 (larva, pupa); Freude, 1954: 34 (distr.); Duffy, 1960: 181, figs. 99, 100 (larva, pupa); Breuning, 1961: 331 (syn.); Linsley, Knull & Statham, 1961: 27, fig. 20; Breuning, 1962b: 1 (syn.); Baker, 1972: 199 (biol.); Zayas, 1975: 175, pl. 24, fig. a; Chemsak & Linsley, 1978: 140 (biol.); Chemsak,

Linsley & Mankins, 1980: 34 (distr.); Turnbow & Franklin, 1980: 344 (distr.); Linsley & Chemsak, 1985: 41, fig. 11; Hovore, Penrose & Neck, 1987: 310 (distr., hosts); Maes & Tellez Robleto, 1988: 71 (hosts); Hovore, 1988: 28 (distr.); Chemsak, Linsley & Noguera, 1992: 111 (cat.); Terrón, 1992: 288 (distr.); Maes *et al*., 1994: 46 (distr., hosts); Monné, M.A., 1994a: 25 (cat.); Monné, M.A., & Giesbert, 1994: 179 (cat.); Chemsak & Noguera, 1995: 65 (distr., hosts); Noguera & Chemsak, 1996: 404 (cat.); Linsley & Chemsak, 1997: 408 (hosts); Maes, 1998: 910 (distr.); Peck & Thomas, 1998: 121 (distr.); Martínez, 2000: 100 (distr.); Monné, M.A., 2002: 20 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Noguera *et al*., 2002: 625 (distr.); Turnbow, Cave & Thomas, 2003: 19 (distr.); Lozada Piña, Fernández García & Trujillo Anaya, 2004: 2004 (distr.); Monné, M.A., 2005: 510 (cat.); Toledo, 2005: 419 (distr.); Hovore, 2006: 375 (distr.); Monné, M.A. & Hovore, 2006: 269 (checklist);Hubweber, 2008: 255 (distr.); Audureau, 2008: 16 (distr.); Noguera *et al.*, 2009: 89 (distr.); Swift *et al*., 2010: 61 (distr.); Maes *et al.*, 2010: 23, 12 figs (distr.); Noguera *et al*., 2012: 622 (distr.); García Morales *et al*., 2015: 109 (distr.); López-Martínez *et al*., 2015: 780 (hosts); Luna-León, 2015: 838 (distr.); Noguera & Gutiérrez, 2016: 661 (distr.); Noguera *et al*., 2017: 12 (distr.); Audureau & Roguet, 2018: 85 (distr.); Vargas-Cardoso *et al*., 2018: 97 (hosts): Noguera *et al*.,2018: 468; De Los Santos & García, 2019: 2, 12; Devesa, Barro & Fonseca, 2019: 48, figs 1-5; Hernández-Fuentes *et al*.,2020: 17, figs 1a-c; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 492

Taeniotes trilineatus; Breuning, 1943: 151, 249, fig. 95.

Saperda vittata Fabricius, 1776: 231; 1781: 233; 1793: 312; 1801: 322; Schoenherr, 1817: 421; Zimsen, 1964: 175 (type).

Ptychodes vittatus; Dejean, 1835: 345 (cat.); Haldeman, 1847a: 53; Thomson, 1860: 105; Riley & Howard, 1893: 365; Schaeffer, 1908a: 330 (distr.).

Type locality - Holotype: India. (Depository unknown).

Ptychodes 3-vittatus; Riley & Howard, 1892: 204 (error).

Ptychodes trivittatus; Morgan, H. A., 1897: 137 (error).

Ptychodes insularis Fairmaire, 1850: 61.

Ptychodes trilineatus var. *insularis*; Gemminger *in* Gemminger & Harold, 1873: 3020 (cat.); Risbec, 1946: 506, figs. 2-5 (biol.).

Neoptychodes trilineatus var. *insularis*; Dillon & Dillon, 1941: 45; Knull, 1948: 83 (distr.).

Taeniotes insularis; Breuning, 1943: 250, fig. 97 (syn.).

Neoptychodes insularis; Breuning, 1961: 331 (cat.).

Syntypes locality - Syntypes male and female: Tahiti. (MNHN).

Ptychodes fairmairei Thomson, 1865: 556; 1878: 9 (type); Breuning, 1943: 253.

Type locality - Holotype: Tahiti. (MNHN).

Ptychodes abbreviatus Casey, 1893: 593; Lingafelter *et al*., 2014: 9, fig. 8c, d. (type).

Type locality - Holotype female: United States, Arizona. (USNM).

Plectrodera Dejean, 1837

Plectrodera Dejean, 1835: 341; Blanchard, 1845: 158; Haldeman, 1847a: LeConte, 1852: 151; Thomson, 1857b: 176; 1860: 78, 85; 1864: 76, 379; Lacordaire. 1869: 360; Chenu, 1870: 323; LeConte, 1873b: 335; LeConte & Horn, 1883: 320; Leng & Hamilton, 1896 108; Blatchley, 1910: 1068; Bradley, 1930: 343; Dillon & Dillon, 1941: 128; Breuning, 1943: 142; 1944: 300; Knull, 1946: 233; Dillon & Dillon, 1961: 629; Arnett, 1962: 870; Linsley & Chemsak, 1985: 46; Monné, M.A., 1994a: 37; Monné, M.A. & Hovore, 2006: 270 (checklist); Bousquet & Bouchard, 2013: 89.

Type species - *Lamia scalator* Fabricius, 1793 (monotypy)

1. *Plectodera scalator* (Fabricius, 1792)

Type locality - Holotype: United States, Louisiana(depository unknown). **Distribution** - Eastern United States from New York to Georgia, westward to Texas and Colorado. Mexico?.

Host plants - *Populus deltoides* Bartram ex Marshall, *P. nigra* Linnaeus, *Salix alba* Linnaeus, *S. babylonica* Linnaeus, *S. longifolia* Muhlenberg, *S. nigra* Marshall (Salicaceae).

Lamia scalator Fabricius, 1793: 278;1801: 295; Schoenherr, 1817: 387; Zimsen, 1964: 170 (type)

Cerambix (Lamia) scalator; Olivier, 1795: 97, pl. 22, fig. 72

Plectrodera scalator; Dejean, 1835: 341; Chevrolat, 1838: 288; Laporte, 1840: 471; Haldeman, 1847a: 52; LeConte, 1852: 251; Melsheimer, 1853: 109 (cat.); LeConte, 1859a: 49; Thomson, 1860: 85; 1864: 76; Lacordaire, 1869: 351; Chenu, 1870: 323; Popenoe, 1877: 34 (distr.); McBride, 1880: 197 (distr.); Riley, 1880a: 270 (biol.); Packard, 1881: 144 (biol.); Shufeldt, 1884: 334 (distr.); Horn, 1886a: 138; Packard, 1890: 599 (biol.); Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 75 (hosts); Popenoe, 1896: 97; Webster, 1897: 84, fig. 82 (biol.); Knaus. 1899a: 199 (distr.); 1899b: 40 (distr.); Ulke, 1903: 25 (distr.); Hopkins, 1904: 37 (biol.); Felt, 1906: 746; Heyne & Taschenberg, 1907: 242, pl. 37, fig. 25; Wickham, 1909a: 29 (distr.); Blatchley, 1910: 1058, fig. 458; Vestal, 1913: 45; Hungerford, 1915: 135 (paras.); Millliken, 1916: 1, pl. 1, figs 1-3; Craighead, 1923: 110 (larva); Felt, 1924: 58 (biol.); Knaus, 1926b: 265; Kirk & Knull, 1926: 42 (distr.); Ortenburger & Hatch, 1926: 147 (distr.); Park, 1930: 62 (biol.); 1931: 189; Craighead & Middleton, 1930: 9; Beaulne, 1932: 219 (hosts); Felt & Rankin, 1932: 431; Loding, 1933: 149 (distr.); Herrick, 1935: 272, fig. 231; Haseman, 1936: 20 (biol.); Doane *et al*., 1936: 188; Fenton, 1939: 17 (biol.); Dillon & Dillon, 1941: 129 (revis.); Smith *et al*., 1943: 217, fig. 320; Breuning, 1944: 300, fig. 190 (revis.); Loding, 1945: 122 (distr.); Sherman, 1946: 226 (hosts); Knull, 1946: 240, pl. 19, fig. 75; Fattig, 1947: 33; Edwards, 1949: 57; Van Emden, 1950: 195 (paras.); Craighead, 1950: 31 (biol.); Alexander, 1958: 49 (distr.); English, 1958: 59; Dillon & Dillon, 1961: 629, pl. 63; Morris, 1963: 1; Finn, Mastro & Payne, 1962: 244, figs 1 2, 4 (biol.); Swan & Papp, 1972: 454, fig. 973; Baker, 1972: 179, fig,. 55; Kirk & Balsbaugh, 1975: 99 (distr.); Stein & Tagestad, 1976: 29; Gosling & Gosling, 1976: 18 (distr.); Solomon, 1977a: 298 (biol.); Furniss & Carolin, 1977: 312; Turnbow & Franklin, 1980: 344 (distr.); Solomon, 1980: 1 (biol.); Linsley & Chemsak, 1985: 47; MacKay, Zac & Hovore, 1987: 365 (distr.); Hovore, Penrose & Neck, 1987: 310 (distr.); Chemsak, Linsley & Noguera, 1992: 111 (cat.); MacRae, 1993: 242 (distr.); Lingafelter & Horner, 1993: 181 (distr.); Monné, M.A., 1994a: 37 (cat.); Monné, M.A., & Giesbert, 1994: 180 (cat.); Noguera & Chemsak, 1996: 404 (distr.); Yanega, 1996: 130, pl. 30, fig. 349; Linsley & Chemsak 1997: 421 (hosts); Heffern, 1998: 20 (distr.); Peck & Thomas, 1998: 121 (distr.); Schiefer, 1998b: 123 (distr.); Androw & Keeney, 1999: 4 (distr.); Lingafelter & Hoebeke, 2002: 102, pl, 21, fig. 6; Ginzel & Hanks, 2003: 183; Monné, M.A. & Hovore, 2006: 270 (checklist); Holt, 2013: 253 (distr.); Klingeman *et al*., 2017: 299 (distr.); Haack, 2017: 117 (hosts); Hanks & Wang, 2017: 134 (biol.)

Lamia Bellii LeConte, 1845: 201; 1847: 209, pl. 18, fig, 11

Type locality - Holotype female: United States, Missouri (MCZN)

MESOSINI Mulsant, 1839

Mésosaires Mulsant, 1839: 165.

Mesositae Thomson, 1860: 35; 1864: 58; 1865: 369.

Mesosinae; Pascoe, 1864: 94.

Mésosides; Lacordaire, 1869: 367.

Mesosini; LeConte, 1873b: 336; LeConte & Horn, 1883: 321; Aurivillius, 1922a: 135 (cat.); Breuning, 1938b: 365 (rev.); Duffy, 1953: 258 (larva); Arnett, 1962: 869, 889; Hatch, 1971: 147; Linsley & Chemsak, 1985: 97; Monné, M.A., 1994a: 41 (cat.); Monné, M.A., 2005: 526 (cat.); Bousquet *et al*., 2009: 32; Bouchard *et al*., 2011: 496.

Type-genus: *Mesosa* Latreille, 1829

Type-species: *Cerambyx curculionoides* Linnaeus, 1761 designated by Thomson (1864: 61). Availability under Article 11.7.

Synaphaeta Thomson, 1864

Synaphaeta Thomson, 1864: 260; Lacordaire, 1869: 383; LeConte, 1873b: 336; LeConte & Horn, 1883: 321; Leng & Hamilton, 1896: 112; Webb, 1912: 152; Casey, 1913: 299; Craighead, 1923: 101; Bradley, 1930: 242; Breuning, 1938b: 368; 1939: 422; Arnett, 1962: 869; Hatch, 1971: 150; Linsley & Chemsak, 1985: 97; Monné, M.A., 1994a: 44; Monné, M.A. & Hovore, 2006: 272 (checklist);

Synaphe Thomson, 1864: 60

Type species - *Mesosa guexii* LeConte, 1852 (original designation)

1. *Synaphaeta guexi* (LeConte, 1852)

Type locality - Holotype; United States, California: Benicia (MCZN). **Distribution** - Canada (British Columbia) to southern California. **Host plants**- *Alnus rhombifolia* (Betulaceae), *Wisteria floribunda* (Willdenow) de Candolle (Fabaceae), *Aesculus californica* (Spach) Nuttall (Hippocastanaceae); *Juglans californica* S. Watson, *J. nigra* Linnaeus, *J. regia* Linnaeus (Juglandaceae), *Umbellaria californica* (Hooker & Arnott) Nuttall (Lauraceae), *Rhamnus californica* Escholscholtz (Rhamnaceae), *Populus trichocarpa* Torrey & A. Gray, *Salix lasiandra* Bentham, *S. lasiolepis* Bentham (Salicaceae)

Mesosa Guexi LeConte, 1852: 166; Melsheimer, 1853: 111; LeConte, 1857: 24, pl. 2, fig. 16; LeConte, 1869: 371

Synaphe Guexii Thomson, 1860: 60

Synaphaeta Guexi; Lacordaire, 1869: 384; LeConte, 1873b: 336; LeConte & Horn, 1883: 321; Rivers, 1886: 7;

Synaphaeta guexi; Leng & Hamilton, 1896: 112; Harrington, 1899b: 108 (distr.); Fall, 1901: 150 (distr.); Essig, 1915: 252, fig. 242; Garnett, 1918: 281 (distr.); Craighead, 1923: 104, figs; Essig, 1926: 460, fig. 367 (biol.); Hardy & Preece, 1926: 40 (biol.); Hardy, 1926: 33, pl. 5, fig. 39; Hopping, 1928: 8 (syn.); Beaulne, 1932: 219 (hosts); Barrett, 1932: 291 (hosts); Ingles, 1933: 59 (biol.);. Doane *et al*., 1936: 288, fig. 99; Linsley, 1936: 119 (biol.); Breuning, 1938b: 273; 1939: 422 (syn.); Michelbacher & Ross, 1938: 248, fig. 1; Keen, 1938: 154 (hosts); Hoffmann, 1942: 11 (biol.); Hardy, 1942: 11 (biol.); 1945: 32, fig. 39 (biol.); Ebeling, 1950: 591 (hosts); Keen, 1952: 198 (hosts); Papp, 1955: 219 (distr.); Edwards, 1955: 33, fig. 1 (biol.); Michelbacher & Ortega, 1958: 60 (biol.); Ebeling, 1959: 375; Tyson, 1966: 206 (hosts); Hatch, 1971: 150, pl. 17, fig. 9; Swan & Papp, 1972: 452, fig. 966; Furniss & Carolin, 1977: 315; Cope, 1984: 35 (hosts); Linsley & Chemsak, 1985: 98, fig. 23; Chemsak, Linsley & Noguera, 1992: 113 (cat.); Monné, M.A., 1994a: 44 (cat.); Monné, M.A., & Giesbert, 1994: 182 (cat.); Linsley & Chemsak, 1997: 440 (hosts); Monné, M.A. & Hovore, 2006: 272 (checklist); Bousquet. Laplante, Hammond & Langor, 2017: 152, pl. 35; Steffens & Vessels, 2021: 682

Synaphaeta humeralis Casey, 1913: 299; Lingafelter *et al*., 2014: 77, fig. 84 g (holotype)

Type locality - Holotype male: United States: California. (USNM)

Synaphaeta annulata Casey, 1913: 300; Lingafelter *et al*., 2014: 17, fig. 16 u (holotype)

Type locality - Holotype male: United States, California: Tulare County. (USNM)

Synaphaeta brevicollis Casey, 1913: 300; Lingafelter *et al*., 2014: 32, fig. 33 a (holotype)

Type locality - Holotype female: United States, California (USNM)

ONCIDERINI Thomson, 1860

Oncideritae Thomson, 1860: 3, 38; 1864: 101; 1865: 391; Bates, 1865: 110.

Type-genus: *Oncideres* Lacordaire, 1830 (as *Oncyderes*)

Type-species: *Lamia vomicosa* Germar, 1823 designated by Thomson (1864: 104). Comment. *Oncideres* is an incorrect subsequent spelling of *Oncyderes* Lacordaire, 1830, introduced by Audinet-Serville (1835: 67), in prevailaing usage and attributed to Lacordaire (1830) (e.g. Monné, M.A., 2005: 280), and so deemed to be the correct original spelling (Article 33.3.1).

Oncidérites; Thomson, 1868c: 41; Lacordaire, 1872: 666.

Onciderini; LeConte, 1873b: 343; Bates, 1880: 121; LeConte & Horn, 1883: 328; Blatchley, 1910: 1083; Aurivillius, 1923: 340 (cat.); Bradley, 1930: 242, 245; Dillon

& Dillon, 1945a: v (rev.); Knull, 1946: 265; Duffy, 1960: 194 (larva); Dillon & Dillon, 1961: 624, 635; Villiers, 1980b: 545; Linsley & Chemsak, 1985: 210; Monné, M.A., 1994c: 1 (cat.); Monné, M.A., 2005: 534 (cat.); Bousquet *et al*., 2009: 34; Bouchard *et al*., 2011: 497; Souza, Marinoni, Monné, M.L. & Gómez-Zurita, 2020:14

Hypsiomitae Thomson, 1860: 4 (key), 109

Type-genus: *Hypsioma* Audinet-Serville, 1835

Type-species: *Hypsioma gibberum* Audinet-Serville, 1835 (monotypy).

Hypselominae Pascoe, 1864: 7; 1866: 227.

Type-genus: *Hypselomus* Perty, 1832

Type-species: *Hypselomus cristatus* Perty, 1832 (monotypy).

Onocephalitae Thomson, 1860: 5 (key), 120; 1861: 262; 1864: 100; 1865: 390.

Type-genus: *Onocephala* Sturm, 1843

Type-species: *Saperda diophthalma* Perty, 1832 (monotypy).

Onocephalinae; Pascoe, 1864: 8.

Onocéphalides; Lacordaire, 1872: 688.

Onocephalini; Aurivillius, 1923a: 352 (cat.); Dillon & Dillon, 1946c: 27 (rev.); Monné, M.A., 1994b: 49 (cat.); Monné, M.A., 2005a: 601 (cat.); Bousquet *et al*.,2009: 34; Bouchard *et al*., 2011: 498**.**

Cacostola Fairmaire & Germain, 1859

Cacostola Fairmaire & Germain, 1859: 527, 532; Strauch, 1861: 137; Thomson, 1868c: 68; Lacordaire, 1872: 687; Dillon & Dillon, 1946: 253; Breuning, 1949: 27 (syn.); 1962b: 11 (syn.); Villiers, 1980b: 550; Linsley & Chemsak, 1985: 225; Monné, M.A., 1994c: 1 (cat.); Monné, M.A., 2005: 536 (cat.); Monné, M.A., 2012: 109.

Type-species - *Cacostola vagelineata* Fairmaire & Germain, 1859 (monotypy).

Aporataxia Hamilton *in* Leng & Hamilton, 1896: 142; Bradley, 1930: 244; Breuning, 1961b: 42.

Type-species - *Aporataxia lineata* Hamilton, 1896 (monotypy).

Cylindrataxia Linsley, 1934c: 183; Arnett, 1962: 870, 892.

Type-species - *Cylindrataxia salicicola* Linsley, 1934 (original designation).

Paratucumaniella Breuning, 1943: 41.

Type-species - *Paratucumaniella mexicana* Breuning, 1943 (original designation).

Hyagniellus Breuning, 1943: 42.

Type-species - *Hyagniellus strandi* Breuning, 1943 (original designation).

Estolosybra Breuning, 1943: 41.

Type-species - *Estolosybra strandi* Breuning, 1943 (original designation

1. *Cacostola lineata* (Hamilton, 1896)

Type locality - Lectotype: United States, Texas: Brownsville. (USNM). **Distribution** - United States (Southern Texas). **Host plants** - *Pithecellobium flexicaule* (Bentham) Coulter (Mimosaceae)

Aporataxia lineata Hamilton, 1896: 142; Townsend. 1903: 79 (distr.); Schaeffer, 1908a: 328 (distr.); Linsley & Martin, 1933: 183 (distr.); Turnbow & Wappes, 1981: 78 (biol.);

Cacostola lineata; Breuning, 1961b: 42; Linsley & Chemsak, 1985: 226; Hovore, Penrose & Neck, 1987: 315, fig. 14 (distr.); Chemsak, Linsley & Noguera, 1992: 124 (cat.); Monné, M.A., 1994c: 36 (cat.); Monné, M.A., & Giesbert, 1994: 195 (cat.); Linsley & Chemsak, 1997: 251 (hosts); Monné, M.A. & Hovore, 2006: 274 (checklist); Lingafelter *et al*., 2014: 89, fig. 98 g (lectotype); Heffern, Vlasák & Alten, 2018: 748 (hosts).

2. *Cacostola salicicola* (Linsley, 1934)

Type locality - Holotype male: United States, Texas: Brownsville. (CASC). **Distribution** - United States (Southern Texas), northern Mexico. **Host plants** - *Leucaena pulverulenta* (Schlechtendal) Bentham (Mimosaceae), *Salix nigra* Marshall (Salicaceae).

Cylindrataxia salicicola Linsley, 1934c: 184; 1935c: 112 (distr.).
Cacostola salicicola; Breuning, 1961b: 42; Turnbow & Wappes, 1981: 78, fig. 3; Linsley & Chemsak, 1985: 226; Hovore, Penrose & Neck, 1987: 315, fig. 14 (distr.); Chemsak, Linsley & Noguera, 1992: 124 (cat.); Monné, M.A., 1994c: 36 (cat.); Monné, M.A., & Giesbert, 1994: 195 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Linsley & Chemsak, 1997: 351 (hosts); Monné, M.A., 2002: 29 (cat. hosts); Monné, M.A., 2005: 538 (cat.); Monné, M.A. & Hovore, 2006: 275 (checklist); érez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 494

Lochmaeocles Bates, 1880

Oncideres (Lochmaeocles) Bates, 1880: 124; Schaeffer, 1906: 18.
Lochmaeocles; Casey, 1913: 350; Dillon & Dillon, 1945a: xii; 1946a: 189; Linsley & Chemsak, 1985: 211; Monné, M.A., 2005: 563 (cat.); Monné, M.A. & Hovore, 2006: 279 (checklist); Nearns & Swift, 2011: 18 (syn.); Monné, M. A., 2012: 111.
Oncideres (Lochmaeodes); Aurivillius, 1923: 345 (cat., error).
Lochmalodes; Arnett, 1962: 871 (error).
Type-species - *Oncideres callidryas* Bates, 1865 (original designation).
Ischiomaeocles Franz, 1954: 224; Monné, M.A., 2005: 560 (cat.).
Type-species - *Ischiomaeocles salvadorensis* Franz, 1954 (original designation).

1. *Lochmaeocles cornuticeps cornuticeps* (Schaeffer, 1906)

Type locality - Holotype male: United States, Texas: Brownsville. (AMNH). **Distribution** - United States (southern Texas), northern Mexico (Tamaulipas). **Host plants** - *Celtis laevigata* Willdenow (Cannabaceae), *Acacia felicioides* Carr, *A. sphaerocephala* Chamisso & Schlechtendal, *Leucaena pulverulenta* (Schlechtendal) Bentham, *Mimosa galeotti, Vachellia farnesiana* (Linnaeus) Wight. & Arn., (Mimosaceae), *Salix nigra* Marshall (Salicaceae).
Oncideres (Lochmaeocles) cornuticeps Schaeffer, 1906: 20.
Oncideres cornuticeps; Linsley & Martin, 1933: 183 (distr.); Knull, 1942: 227.
Lochmaeocles cornuticeps cornuticeps; Dillon & Dillon, 1946: 196, pl. 8, fig. 3; Vogt, 1949: 183 (distr.); Hovore, Penrose & Giesbert, 1978: 96 (biol.); Hovore & Penrose, 1982: 25 (biol.); Linsley & Chemsak, 1985: 314, Hovore, Penrose & Neck, 1987: 314, figs. 4, 13; Chemsak, Linsley & Noguera, 1992: 125 (cat.); Di Iorio, 1993: 65 (hosts); Monné, M.A., 1994c: 27 (cat.); Monné, M.A., & Giesbert, 1994: 195 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Linsley & Chemsak, 1997: 393 (hosts); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.); Monné, M.A., 2002: 33 (cat. hosts); Monné, M.A., 2005: 564 (cat.); Monné, M.A. & Hovore, 2006: 279 (checklist); Vargas-Cardoso *et al*., 2018: 97 (hosts); érez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 494
Lochmaeocles cornuticeps; García Morales *et al*., 2015: 110 (distr.).
Lochmaeocles tessellatus; Knull, 1937a: 42 (not Thomson, 1868).

2. *Lochmaeocles marmoratus* Casey, 1913

Type locality - Lectotype male: United States, Arizona: Cochise Co., San Bernardino Ranch. (USNM). **Distribution** - Southeastern Arizona and northwestern Mexico. **Host plants** - *Populus fremontii* Watson, *Salix* sp. (Salicaceae).
Lochmaeocles marmoratus Casey, 1913: 351; Smyth, 1934: 117 (biol.); Dillon & Dillon, 1946: 208, pl. 8, fig. 15; Hovore & Giesbert, 1976: 358 (distr., hosts); Linsley & Chemsak, 1985: 212; Chemsak, Linsley & Noguera, 1992: 125 (cat.); Di Iorio, 1993: 65 (hosts); Monné, M.A., 1994c: 28 (cat.); Monné, M.A., & Giesbert, 1994: 200 (cat.); Linsley & Chemsak, 1997: 393 (hosts); Monné, M.A., 2002: 34 (cat. hosts); Monné, M.A., 2005: 566 (cat.); Monné, M.A. & Hovore, 2006: 280 (checklist); Lingafelter *et al*., 2014: 95, figs. 105k, l (lect. designation); érez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 494
Oncideres (Lochmaeocles) tessellatus; Schaeffer, 1906: 19; Snow, 1906: 170 (not Thomson, 1868).

Oncideres Lacordaire, 1830

Oncideres Lacordaire, 1830: 3, 38 (as *Oncyderes*); Audinet-Serville, 1835: 67; Laporte, 1840: 475; Blanchard, C.E., 1845: 160; Haldeman, 1847a: 52; Chevrolat *in* D'Orbigny, 1847b: 109; LeConte, 1852: 165; Desmarest *in* Chenu, 1860: 325; Thomson, 1860: 38, 40; 1864: 104; 1865: 392; Bates, 1865: 175; Thomson, 1868c: 75; Desmarest *in* Chenu, 1870: 325; Lacordaire, 1872: 677; LeConte, 1873b: 344; Girard, 1873: 745; Bates, 1880: 124; LeConte & Horn, 1883: 329; Horn, 1885a: 194; Leng & Hamilton, 1896: 140; Wickham, 1897a: 203; Blatchley, 1910: 1083; Casey, 1913: 352; Craighead, 1923: 131; Bradley, 1930: 245; Linsley, 1940: 561; Dillon & Dillon, 1946: 309; Knull, 1946: 265; Craighead, 1950: 356; Lima, A.M., 1955: 121; Duffy, 1960: 194 (biol.); Dillon & Dillon, 1961: 635; Arnett, 1962: 871; Fragoso, 1967: 101; Baker, 1972: 190; Furniss & Carolin, 1977: 311; Marinoni, 1977a: 47; Vulcano & Pereira, 1978: 178; Villiers, 1980b: 546; Linsley & Chemsak, 1985: 214; Monné, M.A., 1994c: 45 (cat.); Monné, M.A., 2005: 571 (cat.); Monné, M.A. & Hovore, 2006: 281 (checklist); Monné, M.A., 2012: 112; Aiello, 2015: 60 (key spp.); Nearns & Tavakilian, 2015: 108 (syn.); Paulino-Netto, 2016: 1 (biol.); Bousquet, Laplante, Hammond & Langor, 2017: 157

Oncideres (Oncideres); Schaeffer, 1906: 19.

Oncoderes Chevrolat *in* D'Orbigny, 1847b:109; Gemminger *in* Gemminger & Harold, 1873: 3124 (cat.); Ross, 1911: 259 (cat.).

Type-species - *Lamia vomicosa* Germar, 1823 (subsequent designation, Thomson, 1864: 104) [= *Lamia saga* Dalman, 1823].

Japi Martins & Galileo, 2012d: 559.

Type-species - *Japi duartei* Martins & Galileo, 2012 (original designation).

1.*Oncideres cingulata cingulata* (Say, 1826)

Syntypes locality - Syntypes: United States. (depository unknown). **Distribution** - Eastern United States from Connecticut to Florida, westward to Kansas and Texas . Canada: Ontario.

Host plants - *Betula nigra* Linnaeus (Betulaceae), *Cercis canadensis* Linnaeus, *Gleditschia triacanthos* Linnaeus (Caealpiniaceae), *Terminalia catalpa* Linnaeus (Combretaceae); *Cornus florida* Linnaeus (Cornaceae). *Carpinus caroliniana* Walter (Corylaceae); *Diospyros virginiana* Linnaeus (Ebenecae), *Carya cordiformis* (Wagenheim) K.Koch, *C. glabra* (Miller) Sweet, *C. illinoinensis* (Wagenheim) K;Koch, *C. ovata* (Miller) K.Koch, *C. texana* Buckley, *C. tomentosa* Nuttall, *Juglans nigra* Linnaeus (Juglandaceae), *Prosopis* sp. (Mimosaceae), *Myrica* sp. (Myricaceae), *Eucalyptus grandis* W.Hill ex Maiden (Myrtaceae), *Malus* sp, *Prunus* sp. *Pyrus* sp. (Rosaceae), *Populus deltoides* Bartram ex Marshall (Salicaceae), *Tilia americana* Linnaeus (Tiliaceae), *Celtis laevigata* Willdenow, *Ulmus americana* Linnaeus (Ulmaceae).

Saperda cingulata Say, 1826: 272; LeConte, 1859b: 330

Oncideres cingulatus Haldeman, 1847a: 52; LeConte, 1852: 155; Emmons, 1854: 123, pl. 22, fig. 1; Glover, 1868: 72; Walsh & Riley, 1868: 76, fig. 66 (biol.); 1869: 62 (biol.); Packard, 1872: 498, fig. 489 (biol.); LeConte, 1873b: 343; Packard, 1877: 805, fig. 67 (biol.); Popenoe, 1877: 34 (distr.); Riley, 1880a: 271 (biol.); 1880b: 297, figs 155, 156 (hosts); LeConte, 1880: 237; Pàckard, 1881: 71, figs 32, 33; Lintner, 1882: 330 (biol.); Treat, 1882: 171; Saunders, 1883: 142; LeConte & Horn, 1883: 329; Harrington, 1884b: 49, fig. 18 (biol.); Howard, 1889: 128; Kent, 1889: 216; Packard, 1890: 222,288, figs 113, 114; Kent, 1891: 338 (biol.); Slingerland, 1893: 781; Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 141 cat.); Bogue, 1897: 14, fig. 10 (biol.); Wickham, 1898a: 40, fig. 4; Hunter, 1898: 43 (biol.); Parrott, 1898: 267; 1899: 200, figs 1-4; Lugger, 1899: 210, fig. 132 (biol.); Slingerland, 1900: 606; Smith,1900: 296; 1901: 64; Townsend, 1903: 79 (distr.); Felt, 1905: 271, pl. 9, figs 6-12 (biol.); Symons, 1905: 148; Gossard, 1905: 305; Smith, 1906: 210, fig. 203; Adams, 1907: 8; Schaeffer, 1908b: 195; Matheny, 1909: 1-5, pls. 1, 2; Smith, 1910: 335; Garman, 1912: 467; Casey, 1913: 353; Matz, 1918: 159; Felt, 1924: 184; Gill, 1924: 43; Leiby, 1925: 52, figs 50-54 (biol.); Kirk & Knull, 1925: 44; Leonard, 1928: 455 (distr.); Hatch & Ortenburger, 1930: 9 (biol.); Beaulne, 1932: 221 (hosts); Barrett, 1932: 291 (biol.); Felt & Rankin, 1932: 255 (biol.); Britton & Friend, 1935: 304 (biol.); Herrick, 1935: 114 (biol.); Doane *et al*.,

1936: 190; Kaston, 1938: 239; Quayle, 1938: 318 (biol.); Brimley, 1938: 219; Hoffmann, 1942: 11; Beal & Massey, 1942: 318; Smith *et al*., 1943: 314; Townes, 1944: 773 (paras.); Loding, 1945: 124 (distr.); Beal & Massey, 1945: 75 (biol.); Edwards, 1949: 68 (biol.); Craighead, 1950: 257, pls.; Ebeling, 1950: 493; Peterson, 1953: 116, figs.; Davis, 1954: 16 (biol.); Maxwell, 1959: 63; Anderson, 1960: 384, fig 13.3; Townes & Townes, 1960: 292 (paras.); Kirk, 1969: 87 (distr.); Turnbow & Hovore, 1979: 223

Oncideres cingulata; Thomson, 1868c: 85; Lacordaire, 1872: 679; Glover, 1872: 71 (biol.); Horn, 1885a: 195; Hubbard, 1885: 128, figs 49, 50; Linell, 1889: 39 (biol.); Atkinson, 1889: 40 (biol.); Neal, 1890: 10; Blount, 1890: 2; Campbell. 1890: 88 (biol.); Bruner, 1891: 230, fig. 40 (biol.); McCarthy, 1891: 28 (biol.); Neal, 1892: 13; Bruner, 1893: 197 (biol.); Hopkins, 1893: 198 (biol.); Bruner, 1894: 182 (biol.); Scheffer, 1895: 145 (biol.); Beutenmuller, 1896: 80 (biol.); Faville & Parrott, 1898: 56, figs 29-32; Bruner, 1899: 161 (biol.); Smith, 1900: 296 (distr.); Bruner & Hunter, 1901: 72, fig. 10 (biol.); Ulke, 1903: 27 (distr., hosts); Chittenden, 1903: 731 (biol.); Stevens & Sherman, 1903: 19; Hopkins, 1904: 34 (biol.); Conradt, 1905: 66; Chittenden, 1905: 665; Sanderson, 1906: 39, pl. 1; Neweld & Rosenfeld, 1908: 154; Rosenfeld, 1910: 216; Blatchley, 1910: 1083, fig. 467; Webb, 1911: 356, fig. 29 (biol.); Sanborn, 1911: 5, figs 1-7; Ross, 1911: 259 (cat.); Slingerland & Crosby, 1914: 202; Johnson, 1916: 119; Gill, 1917: 43; Dozier, 1918: 225.; Nicolay, 1919: 71 (distr.); Britton, 1920: 271 (distr.); Cushman, 1921: 350 (paras.); Craighead, 1923: 131, pls (larva, hosts); Davis, 1930: 23; Craighead & Middleton, 1930: 8 (biol.); Moznette, Bissel & Adair, 1931: 49, figs 62-66; Gahan, 1932: 7446 (paras.); Linsley, 1940: 561 (syn.); Thompson, 1943: 83 (paras;); Dillon & Dillon, 1946: 385, pl. 15, fig. 7 (revis.); Knull, 1946: 265, pl. 28, fig. 1; Fattig, 1947: 40 (distr.); Beal, Haliburton & Knight,1952: 42 (biol.); Ebeling, 1959: 319; Duffy, 1960: 202 (hosts). Dillon & Dillon, 1961: 635, pls; Peck, 1963: 955 (paras.); Gosling & Gosling, 1976: 24 (distr.); Payne *et al*., 1979: 18, fig. 6; Turnbow & Franklin, 1980: 346 (distr.); Kennedy, Solomon & Krinard, 1981: 1; Forcella, 1981: 211 (biol.); 1984: 37 (biol.); Linsley & Chemsak, 1985: 220; Chemsak, Linsley & Noguera, 1992: 126 (cat.); Rice, 1995: 451 (hosts); Browne & Peck, 1996: 2159; Cramer, 1998: 186 (biol.); Guarnieri, 2010: 22, fig. 8 (distr.); Coppedge, 2011: 405 (hosts); Bouchard, 2014: 536; Haack, Keena & Eyre, 2017: 73, fig. 4; Bousquet, Laplante, Hammond & Langor, 2017: 157, pl. 36

Oncideres cingulata cingulata; Baker, 1972: 191, fig. 62; Linsley & Chemsak, 1985: 221; MacRae, 1993: 244 (distr., hosts); Monné, M.A., 1994c: 48 (cat.); Monné, M.A., & Giesbert, 1994: 200 (cat.); Yanega, 1996: 132, pl. 29, fig. 334; Linsley & Chemsak, 1997: 411 (hosts); Peck & Thomas, 1998: 122 (distr.); Schiefer, 1998b: 124 (distr.); Rice & Veal, 2006: 262 (distr.); Guarnieri, 2009: 20 (distr.); Holt, 2013: 254 (distr., hosts); Klingeman *et al*., 2017: 299 (distr.)

Oncideres texana; Herrick, 1902a: 15; 1902b: 26; Fiske, 1902: 75; Chittenden, 1903: 731 (biol.); Herrick, 1904: 3, figs 1-5; Gossard, 1905: 305; Girault. 1910: 226; Bilsing, 1916: 110; Peirson, 1927: 83; Herrick, 1935: 114; Fenton, 1939: 20; Osburn *et al*., 1954: 21 (biol.); Papp, 1955: 220 (distr.); Monné, M.A. & Hovore, 2006: 281 (checklist);

Oncideres cingulatus pallescens Casey, 1913: 353; Lingafelter *et al*., 2014: 41, fig. 43 e (holotype)

Type locality - Holotype male: United States, New York. (USNM)

Oncideres praecidens Casey, 1913: 354; Brimley, 1938: 219; Lingafelter *et al*., 2014: 302, fig. 135 i (lectotype)

Type locality - Lectotype: United States, North Carolina: Southern Pines (USNM)

1a. *Oncideres cingulata texana* Horn, 1885

Type locality – Lectotype: United States, Texas. (ANSP). **Distribution** - United States (Texas), Mexico (Coahuila, Hidalgo, Nuevo León, San Luís Potosí, Tamaulipas, Veracruz). **Host plants** - *Cercis canadensis* Linnaeus, *Gleditschia triacanthos* Linnaeus, *Parkinsonia aculeata* Linnaeus (Caesalpiniaceae), *Celtis laevigata* Willdenow (Cannabaceae), *Robinia pseudoacacia* Linnaeus (Fabaceae), *Acacia berlandieri* Bentham, *Pithecellobium flexicaule* (Bentham) Coulter, *Prosopis juliflora* (Swartz) de Candolle, *Vachellia farnesiana* (Linnaeus)

Wight. & Arn., (Mimosaceae), *Platanus occidentalis* Linnaeus (Platanaceae), *Citrus sinensis* (Linnaeus) Osbeck (Rutaceae).

Oncideres texana Horn, 1885a: 194, 195; Townsend, 1903: 79 (distr.); Schaeffer, 1908a: 328 (distr.); Linsley, 1940: 562 (distr.); Stride & Warwick, 1962: 112 (biol.); Turnbow & Franklin, 1980: 348.

Oncideres texanus; Leng & Hamilton, 1896: 141; Schaeffer, 1908b: 195; Casey, 1913: 353; Linsley & Martin, 1933: 183 (distr.); Craighead, 1950: 257 (biol.).

Oncideres (Oncideres) texana; Schaeffer, 1906: 19.

Oncideres cingulata texanus; Baker, 1972: 192 (biol.).

Oncideres cingulata texana; Linsley & Chemsak, 1985: 224; Hovore, Penrose & Neck, 1987: 314, fig. 15 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 126 (cat.); Noguera, 1993: 34 (rev.); Lingafelter & Horner, 1993: 183 (distr.); Monné, M.A., 1994c: 49 (cat.); Monné, M.A., & Giesbert, 1994: 202 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Linsley & Chemsak, 1997: 412 (hosts); Monné, M.A., 2002: 37 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Monné, M.A., 2005: 574 (cat.); Monné, M.A. & Hovore, 2006: 281 (checklist); García Morales *et al*., 2015: 110 (distr.); érez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 494

Oncideres cingulatus; Townsend, 1903: 79 (not Say, 1826); Vogt, 1949: 184 (distr., hosts); Ward *et al*., 1977: 14 (*partim*); Rogers, 1977a: 222, figs. 1-3 (biol.); 1977b: 834 (biol.).

Oncideres subtropicus Casey, 1913: 353; Lingafelter *et al*., 2014: 329, figs. 165u, v (holotype).
Type locality - Holotype female: United States, Texas: Brownsville. (USNM)

2.*Oncideres fisheri* Dillon & Dillon, 1946

Type locality - Holotype female: Guatemala, Cayuga. (USNM). **Distribution** – United States (Arizona), Mexico (Veracruz, Oaxaca, Chiapas), Guatemala, Honduras, Nicaragua, Costa Rica.

Oncideres fisheri Dillon & Dillon, 1946a: 395, pl. 15, fig. 23; Chemsak, Linsley & Noguera, 1992: 126 (cat.); Monné, M.A., 1994c: 51 (cat.); Monné, M. A. & Giesbert, 1994: 202 (checklist); Monné, M.A., 2005a: 576 (cat.); Monné, M.A. & Hovore, 2006: 281 (checklist); Hovore, 2006: 375 (distr.); Swift *et al*., 2010: 64 (distr.); Maes *et al.*, 2010: 241, 4 figs (distr.); Lingafelter *et al*., 2014: 62, figs. 66s, t (holotype); Bezark, 2018: 58 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 494; Nearns & Swift, 2022: 44 (distr.)

3. *Oncideres pustulata* LeConte, 1854

Type locality - Holotype female: United States, Texas: Laredo. (MCZN). **Distribution** - United States (Texas), Mexico (Nuevo León, Tamaulipas). **Host plants** - *Parkinsonia aculeata* Linnaeus (Caesalpiniaceae), *Casuarina cuninghamiana* Miquel, *C. glauca* Sieber (Casuarinaceae), *Albizia julibrissin* Durazzini, *Leucaena leucocephala* (Lamarck) De Wit, *L. pulverulenta* (Schlechtendal) Bentham, *Mimosa lindheimeri* Gray, *Pithecellobium flexicaule* (Bentham) Coulter, *Prosopis juliflora* (Swartz) de Candolle, *Vachellia farnesiana* (Linnaeus) Wight. & Arn., (Mimosaceae), *Citrus* sp. (Rutaceae).

Oncideres pustulatus LeConte, 1854b: 82; 1858: 41 (distr.); Lacordaire, 1872: 679; Leng & Hamilton, 1896: 140; Townsend, 1903: 79 (biol.); Schaeffer, 1908b: 195 (hosts); Linsley & Martin, 1933: 183 (distr.); Doane *et al*., 1936: 190; Vogt, 1949: 183 (hosts); Craighead, 1950: 257 (biol.); Baker, 1972: 192 (biol.); Linsley & Chemsak, 1985: 215; Rice, 1986: 423, fig. 1 (biol.); Hovore, Penrose & Neck, 1987: 314, fig. 3 (hosts); Neck, 1988: 84 (biol.); Rice, 1989a: 181; Linsley & Chemsak, 1997: 412 (hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Heffern, Vlasak & Alten, 2018; 745

Oncideres pustulata; Horn, 1885a: 194, 195; Wickham, 1898c: 41; Schaeffer, 1908a: 328 (distr.); Linsley, 1940: 561 (biol.); Dillon & Dillon, 1946: 364, pl. 14, fig. 9; Papp, 1959: 92; Peck, 1963: 955 (paras.); Furniss & Carolin, 1977: 312, fig. 190 (biol.); Ward *et al*., 1977: 15; Hovore & Penrose, 1982: 26 (biol.); Chemsak, Linsley & Noguera, 1992: 126 (cat.); Noguera, 1993: 28 (rev.); Monné, M.A., 1994c: 57 (cat.); Monné, M.A., & Giesbert, 1994: 203 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Monné, M.A., 2002: 42 (cat. hosts); Rodríguez-del-

Bosque, 2004: 309 (biol.); Monné, M.A., 2005: 584 (cat.); Monné, M.A. & Hovore, 2006: 282 (checklist); Rodríguez-del-Bosque & Garza-Cedillo, 2008: 209 (biol.); Rodríguez-del-Bosque, 2013: 487 (hosts); García Morales *et al*., 2015: 110 (distr.); Haack, Keena & Eyre, 2017: 73 (biol.); Nearns & Powell, 2017: 4, figs 13a, b (type); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 494

Oncideres (Oncideres) pustulatus; Schaeffer, 1906: 19.

Oncideres (Lochmaeodes) pustulata; Aurivillius, 1923: 346 (cat.).

Oncideres putator; Riley, 1880a: 271; Beutenmuller, 1896: 80 (hosts); High, 1915: 1; 4 pls (biol.); Craighead, 1923: 132 (larva, hosts); Craighead & Middleton, 1930: 8 (biol.); Papp, 1955: 220 (distr.); Peck, 1963: 955 (paras.) (not Thomson, 1868).

Oncideres trinodatus; Essig, 1926: 480; 1958: 460 (not Casey, 1913).

4. *Oncideres quercus* Skinner, 1905

Syntypes locality - Syntypes: United States, Arizona: Cochise Co., Huachuca Mts (Carr Canyon). (ANSP). **Distribution** - United States (Arizona), Mexico (Nuevo León). **Host plants** - *Quercus hypoleucoides* A. Camus, *Q. rugosa* Née *Quercus arizonica*, (Fagaceae).

Oncideres quercus Skinner, 1905: 291; Beyer, 1908: 32 (biol.); Schaeffer, 1908a: 331 (distr.); Casey, 1913: 352; Brisley & Channel, 1924: 159 (biol.); Essig, 1926: 460 (biol.); Doane *et al*., 1936: 190 (biol.); Linsley, 1940: 562 (hosts); Dillon & Dillon, 1946a: 383, pl. 15, fig. 6; Keen, 1952: 47 (hosts); Essig, 1958: 460 (biol.); Linsley, Knull & Statham, 1961: 31 (biol.); Stride & Warwick, 1962: 112 (biol.); Furniss & Carolin, 1977: 312; Lewis, 1979: 25 (distr.); Linsley & Chemsak, 1985: 218, fig. 52; Chemsak, Linsley & Noguera, 1992: 126 (cat.); Noguera, 1993: 40 (rev.); Monné, M.A., 1994c: 57 (cat.); Monné, M.A., & Giesbert, 1994: 203 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Linsley & Chemsak, 1997: 412 (hosts); Monné, M.A., 2002: 42 (cat. hosts); Monné, M.A., 2005: 584 (cat.); Monné, M.A. & Hovore, 2006: 282 (checklist); Haack, Keena & Eyre, 2017: 73 (biol.); Heffern, Vlasák & Alten, 2018: 749 (hosts);Vlasak & Vlasakova, 2121: 4, 21; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 494

Oncideres (Oncideres) quercus; Schaeffer, 1906: 19.

5. *Oncideres rhodosticta* Bates, 1885

Type locality - Lectotype male: Mexico, Durango: Villa Lerdo. (MNHN). **Distribution** - United States (Arizona, Texas, New Mexico), Mexico (Baja California, Chihuahua, Coahuila, Durango, Sonora, Tamaulipas). **Host plants** - *Parkinsonia aculeat*a Linnaeus (Caesalpiniaceae), *Casuarina cuninghamiana* Miquel (Casuarinaceae), *Sarcobatus vermiculatus* (Hooker) Torrey (Chenopodiaceae), *A. greggii* A.Gray, *Mimosa* sp., *Pithecellobium flexicaule* (Bentham) Coulter, *Prosopis juliflora* (Swartz) de Candolle, *P. glandulosa* Torrey, *Vachellia farnesiana* (Linnaeus) Wight. & Arn. (Mimosaceae).

Oncideres rhodosticta Bates, 1885: 367; Linsley, 1940: 562 (syn.); 1942: 76 (distr.); Dillon & Dillon, 1946: 382, pl. 15, fig. 5; Keen, 1952: 47 (hosts); Essig, 1958: 460, fig. 368 (biol.); Papp, 1959: 92; Linsley, Knull & Statham, 1961: 31 (biol.); Ueckert, Polk & Ward, 1971: 116; Polk & Ueckert, 1973: 411, figs. 1-3 (biol.); Ueckert & Wright, 1974: 386; Furniss & Carolin, 1977: 312 (biol.); Ward *et al*., 1977: 15; Rogers, 1977a: 227 (hosts); Hovore, Penrose & Giesbert, 1978: 98 (hosts); Whitford, DePree & Johnson, 1978: 345; Linsley & Chemsak, 1985: 217; MacKay, Zak & Hovore, 1987: 366 (distr., hosts); Hovore, 1988: 20 (distr.); Chemsak, Linsley & Noguera, 1992: 126 (cat.); Noguera, 1993: 41 (rev.); Monné, M.A., 1994c: 58 (cat.); Monné, M.A., & Giesbert, 1994: 203 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Linsley & Chemsak, 1997: 412 (hosts); Monné, M.A., 2002: 43 (cat. hosts); Monné, M.A., 2005: 585 (cat.); Monné, M.A. & Hovore, 2006: 283 (checklist); Duval & Whitford, 2008: 161, I fig. (hosts); Noguera *et al.*, 2009: 89 (distr.); Martínez *et al.*, 2009: 535 (biol.); García Morales *et al*., 2015: 110 (distr.); Nearns & Tavakilian, 2015: 27, figs 103a, b (lect.); Haack, Keena & Eyre, 2017: 73 (biol.); Pérez-Flores & Toledo-Hernández, 2020: 19; Kleinhan, Hoffmann & Kistensamy, 2021: 866 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 494

Oncideres putator; Horn, 1885a: 194, 195 (not Thomson, 1868); Howard, 1900: 94; Doane *et al*., 1936: 190.
Oncideres cingulatus; Leng & Hamilton, 1896: 141 (*partim*).
Oncideres (Oncideres) putator; Schaeffer, 1906: 19 (not Thomson, 1868).
Oncideres trinodatus Casey, 1913: 352; Anderson, 1960: 384; Lingafelter *et al*., 2014: 335, figs. 173g, h (lect. designation).
Type locality – Lectotype male: United States, Texas: El Paso. (USNM).
Oncideres pustulatus; Essig, 1926: 460, fig. 368 (not LeConte, 1854).

Taricanus Thomson, 1868

Taricanus Thomson, 1868c: 73; Lacordaire, 1872: 680; LeConte, 1873b: 344; LeConte & Horn, 1883: 329; Leng & Hamilton, 1896: 140; Bradley, 1930: 245; Dillon & Dillon, 1946: 402; Monné, M.A., 1994c: 61 (cat.); Monné, M.A., 2005: 594 (cat.); Monné, M.A. & Hovore, 2006: 284 (checklist); Monné, M.A., 2012: 113.
Type-species - *Taricanus truquii* Thomson, 1868 (monotypy).

1. *Taricanus truquii* Thomson, 1868

Type locality - Holotype male: Mexico. (MNHN). **Distribution** - United States (Texas?); Mexico (Puebla, Guerrero, Morelos, Oaxaca, Chiapas), Nicaragua. **Host plants** - *Spondias purpurea* (Anacardiaceae), *Conzattia multiflora* (Robinson) Standley (Caesalpiniaceae), *Juglans mollis* (Juglandaceae), *Acacia* sp. (Mimosaceae).
Taricanus truquii Thomson, 1868c: 74; Lacordaire, 1872: 681; LeConte, 1873b: 344; Thomson, 1878: 13 (type); Bates, 1880: 126, pl. 9, fig. 6; 1885: 368 (distr.); Leng & Hamilton, 1896: 141; Mason, 1910: 23 (distr.); Perkins & Swezey, 1924: 51 (hosts); Dillon & Dillon, 1946: 403, pl. 17, fig. 1; Hovore, Penrose & Neck, 1987: 323 (distr.); Chemsak, Linsley & Noguera, 1992: 126 (cat.); Maes *et al*., 1994: 54 (distr.); Monné, M.A., 1994c: 61 (cat.); Monné, M.A., & Giesbert, 1994: 2m05 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Maes, 1998: 919 (distr.); Toledo *et al*., 2002: 530 (distr.); Noguera *et al*., 2002: 625 (distr.); Monné, M.A., 2005: 594 (cat.); Monné, M.A. & Hovore, 2006: 284 (checklist); Maes *et al.*, 2010: 266, 1 fig. (distr.); Nearns & Tavakilian, 2015: 35, figs 119a, b; Luna-León, 2015: 838 (distr.); Ordóñez-Reséndiz & Martínez-Ramos. 2017: 828 (distr.); Vargas-Cardoso *et al*., 2018: 97 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 494

PARMENINI Mulsant, 1839

Parménaires Mulsant, 1839: 118; Planet, 1924: 252.
Type-genus: *Parmena* Dejean, 1821
Type-species: *Lamia unifasciata* Rossi, 1790 designated by Silfverberg (1984: 63). Availability (under Article 11.7.2): Parmenini Mulsant, 1839
Parmenitae; Thomson, 1860: 38; 1864: 38; 1865: 360.
Parménides; Lacordaire, 1869: 263.
Parmenini; Breuning, 1950: 29; Villiers, 1980b: 553; Linsley & Chemsak, 1985: 8; Monné, M. A., 1994a: 1 (cat.); Monné, M.A., 2005: 604 (cat.); Bousquet *et al*., 2009: 34; Bouchard *et al*., 2011: 498.
Hexarthricitae Thomson, 1864: 38, 339.
Type-genus: *Hexatrica* White, 1846
Type-species: *Lamia pulverulenta* Westwood, 1843 (monotypy). Comment. Thomson (1864: 38) used *Hexathrica*, an incorrect subsequent spelling of *Hexatrica* White, 1846 not in prevailing usage.
Dorcadidides Lacordaire, 1869: 257 (based on *Dorcadida* White, 1846). **Nomen nudum.** Comment. This name is unavailable Article 11.7 (not subsequently Latinized and attributed to Lacordaire 1869).

Ipochus LeConte, 1852

Ipochus LeConte, 1852: 166; Thomson, 1864: 41; 1865: 362; 1867: 26; Lacordaire, 1869: 276; LeConte, 1873b: 328; LeConte & Horn, 1883: 316; Casey, 1891: 44; 1913: 279; Bradley, 1930: 243; Breuning,1950: 30, 150; Arnett, 1962: 870, 888; Linsley & Chemsak, 1985: 8; Monné, M.A., 1994a: 2 (cat.); Monné, M.A., 2005: 606 (cat.); Monné, M.A. & Hovore, 2006: 286 (checklist); Monné, M.A., 2012: 115.

Type-species - *Ipochus fasciatus* LeConte, 1852 (monotypy).

1. *Ipochus fasciatus* LeConte, 1852

Syntypes locality - Syntypes male and female:United States, California: San Diego. (MCZN). **Distribution** - Coastal central California to Mexico (northern Baja California). **Host plants** - *Rhus integrifolia* Nuttall, *R. laurina* Nuttall (Anacardiaceae), *Silybum marianum* (Linnaeus) Gaertner (Asteraceae), *Quercus* sp. (Fagaceae), *Juglans californica* S. Watson, *J. regia* Linnaeus (Juglandaceae), *Laurus* sp. (Lauraceae), *Heteromeles arbutifolia* (Aiton) M. Roemer, *Malus* sp., *Pyrus* sp. (Rosaceae), *Populus trichocarpa* Torrey & A. Gray, *Salix* sp. (Salicaceae).

Ipochus fasciatus LeConte, 1852: 167; 1858: 41 (distr.); Thomson, 1864: 41; 1867: 26; Lacordaire, 1869: 276; Casey, 1891: 44; Blaisdell, 1892: 34 (hosts); Coquillett, 1892: 262 (biol.); Beutenmuller, 1896: 78 (hosts); Leng *in* Leng & Hamilton, 1896: 104; Fall, 1897: 240 (distr.); Wickham, 1897a: 204; Fall, 1901: 150 (distr.); Casey, 1913: 280; Essig, 1926: 458, fig. 364; Barrett, 1932: 290 (hosts); Linsley, 1934a: 61 (distr.); 1936: 119 (biol.); Doane *et al*., 1936: 186 (biol.); Saalas, 1936: 125; Moore, 1937: 91 (distr.); Quayle, 1938: 320; Linsley, 1942: 65; Ebeling, 1950: 591, fig. 462 (biol.); Swan & Papp, 1972: 451, fig. 965 (biol.); Goeden, 1975: 493; Linsley & Chemsak, 1985: 9, figs. 4, 5 (syn.); Hovore, 1988: 19 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 106 (cat.); Monné, M.A., 1994a: 2 (cat.); Monné, M.A., & Giesbert, 1994: 175 (cat.); Noguera & Chemsak, 1996: 404 (cat.); Linsley & Chemsak,. 1997: 384 (hosts); Monné, M.A., 2002: 48 (cat. hosts); Monné, M.A., 2005: 606 (cat.); Monné, M.A. & Hovore, 2006: 286 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 494; Gimmel *et al*., 2023: 254 (distr.)

Ipochus pubescens Casey, 1891: 45; 1913: 279; Moore, 1937: 91 (distr.); Lingafelter *et al*., 2014: 304, figs. 137e, f (holotype).

Type locality - Holotype female: United States, California: San Diego (USNM).

Ipochus subnitidus Casey, 1891: 45; 1913: 280; Lingafelter *et al*., 2014: 328, figs. 164w, x (holotype).

Type locality - Lectotype: United States, California: Los Angeles Co. (USNM).

Ipochus hispidus Casey, 1913: 279; Moore, 1937: 91 (distr.); Lingafelter *et al*., 2014: 76, figs. 82i, j (holotype)

Type locality - Holotype male: United States, California. (USNM).

Ipochus parvulus Casey, 1913: 280; Lingafelter *et al*., 2014: 296, figs. 128s, t (holotype).

Type locality - Holotype female: United States, California. (USNM).

Ipochus pinicola Casey, 19 13: 280; Lingafelter *et al*., 2014: 300, figs. 132w, x (lect. designation).

Type locality - Lectotype male: United States, California: Monterey. (USNM).

Ipochus globicollis Casey, 1913: 280; Lingafelter *et al*., 2014: 70, figs. 75m, n (holotype).

Type locality - Holotype female: United States, California: Los Angeles Co. (USNM).

Ipochus catalinae Casey, 1913: 281; Lingafelter *et al*., 2014: 38, figs. 39i, j (holotype).

Type locality - United States, California: Santa Catalina Island. (USNM).

Parmenosoma Schaeffer, 1908

Parmenosoma Schaeffer, 1908a: 343; Bradley, 1930: 243; Breuning, 1950: 150 (rev.); Arnett, 1962: 870, 888; Linsley & Chemsak, 1985: 15; Monné, M.A., 1994a: 3 (cat.); Monné, M.A., 2005: 609 (cat.); Monné, M.A. & Hovore, 2006: 287 (checklist); Monné, M. A., 2012: 115.

Type-species - *Parmenosoma griseum* Schaeffer, 1908 (original designation).

1. *Parmenosoma griseum* Schaeffer, 1908

Type locality - Holotype: United States, Texas: Edinburg (Hidalgo) (USNM). **Distribution** – United States (Texas: Lower Rio Grande Valley). **Host plants** – *Agave heterocantha* Zuccarini, *Yucca treculeana* Carriere (Agavaceae), *Opuntia lindheimeri* Engelmann (Cactaceae)

Parmenosoma griseum Schaeffer, 1908a: 344; Vogt, 1949: 178 (biol.); Breuning, 1950: 150 (revis.); Mann, 1969: 91; Linsley & Chemsak. 1985: 16, fig. 7; Rice, Turnbow & Hovore, 1985: 21 (distr.); Hovore, Penrose & Neck, 1987: 309, fig. 7; Chemsak, Linsley & Noguera. 1992: 106 (cat.); Monné, M.A., 1994a: 3 (cat.); Monné, M.A., & Giesbert, 1994: 176 (cat.); Linsley & Chemsak, 1997: 415 (hosts); Monné, M.A. & Hovore, 2006: 287 (checklist); Lingafelter *et al*., 2014: 72, fig 77 o (holotype); García *Morales et al*.,2014: 110

***Plectrura* Mannerheim, 1852**

Plectrura Mannerheim, 1852: 365; Thomson, 1861: 366; 1864: 42; 1867: 37; Lacordaire, 1869: 258; LeConte, 1873b: 331; LeConte & Horn. 1883: 316; Jakobson. 1899: 41; Craighead, 1923: 104; Bradley, 1930: 243; Breuning, 1950: 204; Arnett, 1962: 870; Hatch, 1971: 147; Linsley & Chemsak, 1985: 12; Monné, M.A., 1994a: 1; Monné, M.A. & Hovore, 2006: 287 (checklist); Monné, M.L. & Monné, M.A., 2008: 64; Danilevsky, 2014: 230

Type species - *Plectrura spinicauda* Mannerheim, 1852 (monotypy)

1. *Plectrura spinicauda* Mannerheim, 1852

Syntypes locality - Syntypes male and female: United States, Alaska: Sithka. (Finnish Museum, Helsinski). **Distribution** - . This species ranges from the Kenai Peninsula in southern Alaska to northern California. In Canada, it is known only from British Columbia, as far east as the Kootenay region in the southeast. **Host plants** - *Acer glabrum* Torrey, *A. macrophylluim* Pursh (Aceraceae), *Oplopanax horridus* (Smith) Miquel (Araliaceae), *Alnus rubra* Bongard, *A. sitchensis* Sargent (Betulaceae), *Thuja plicata* Donn ex D. Don (Cupressaceae), *Psudotsuga menziesii* (Mirbel) Franco, *Tsuga heterophylla* (Rafinesque) Sargent (Pinaceae), *Rhamnus californica* Escholsholtz (Rhamnaceae)

Plectrura spinicauda Mannerheim, 1852: 366; LeConte, 1857: 23; Thomson, 1864: 62; 1867: 37; LeConte, 1869: 371; Lacordaire, 1869: 259; Hamilton, 1894a: 31 (distr.); Keen, 1895: 219 (distr.); Leng & Hamilton, 1896: 104; Harrington, 1899b: 108 (distr.); Leng, 1920: 280 (cat.); Craighead, 1923: 104, figs; (larva); Van Dyke, 1924: 24; 1926; 5 (distr.); Hardy & Preece, 1926: 39 (hosts); Hardy, 1926: 32, pl. 4, fig. 26; Beaulne, 1932: 203 (hosts); Doane *et al*., 1936: 186 (hosts); Leech, 1938: 69 (biol.); Hardy, 1944: 17 (biol.); 1950: 18 (distr.); Breuning, 1950: 204, fig. 9 (revis.); Hatch, 1971: 147, pl. 19, fig. 5; Penrose & Westcott, 1974: 235; Deyrup, 1977: 281 (hosts); Furniss & Carolin, 1977: 312 (biol.); Linsley & Chemsak, 1985: 13, fig. 6; Chemsak, Linsley & Noguera, 1992: 106 (cat.); Monné, M.A., 1994a: 1 (cat.); Monné, M.A., & Giesbert, 1994: 176 (cat.); Linsley & Chemsak, 1997: 421 (hosts); Monné, M.A. & Hovore, 2006: 287 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 146, pl. 31; Stefens & Vessels, 2021; 682

Plectrura producta LeConte, 1854a: 19; 1857: 23, pl. 2, fig. 15; Lacordaire, 1869: 259

Type locality - Holotype. United States, Oregon, Fort Vancouver. (MCZN)

POGONOCHERINI Mulsant, 1839

Pogonochéraires Mulsant, 1839: 118 (key),151; 1863: 240, 296.

Type-genus: *Pogonocherus* Dejean, 1821.

Type-species: *Cerambyx hispidus* Linnaeus, 1758 designated by Guérin-Méneville (1826: 186). Availability (under Article 11.7.2): Pogonocherini Mulsant, 1839 (Villiers 1978: 465).

Pogonochérides; Lacordaire, 1872: 650.

Pogonocheri; LeConte, 1873b: 341 (*partim*).

Pogonocherini; Horn, 1878: 43; LeConte & Horn, 1883: 324 (*partim*); Blatchley, 1910: 1080 (*partim*); Aurivillius, 1923: 323 (cat.); Bradley, 1930: 242, 244; Linsley, 1935b: 76 (rev.); Knull, 1946: 232; Cazier & Lacey, 1952: 46; Duffy, 1953: 266 (larva); Arnett, 1962: 869; Hatch, 1971: 147; Chemsak & Linsley, 1975: 271; Breuning, 1975: 9 (rev.); Zayas, 1975: 207; Villiers, 1980b: 560; Linsley & Chemsak, 1985: 161; Monné, M.A., 1994d: 1 (cat.); Monné, M.A., 2005: 620 (cat.); Sama, 2008: 236 (syn.); Bousquet *et al*., 2009: 35; Bouchard *et al*., 2011: 499.

Pogocherini; Leng & Hamilton, 1896: 134.

Pogocheri; Harrington, 1899a: 62.

Exocentrinae Pascoe, 1864: 7.

Type-genus: *Exocentrus* Dejean, 1835 [stem = *Exocentr*-].

Type-species: *Lamia balteata* (Fabricius) *sensu* Schönherr, 1817 (= *Cerambyx lusitanus* Linnaeus, 1757) by monotypy. Comment. This synonymy was proposed by Sama (2008: 236). (Bousquet *et al*., 2009: 36).

Exocentrites Faimaire, 1864: 157, 193 (based on *Exocentrus* Dejean, 1835). **Nomen nudum**.

Comment. This name is unavailable under Article 11.7.2 (not subsequently latinized and attributed to Fairmaire 1864).

Zaploi LeConte and Horn, 1883: 325 (key), 327.

Type-genus: *Zaplous* LeConte, 1878

Type-species: *Zaplous hubbardi* LeConte, 1878 (monotypy).

Alphomorphus Linsley, 1935

Alphomorphus Linsley, 1935b: 100; Arnett, 1962: 869, 889; Chemsak & Linsley, 1975: 275; Monné, M.A., 1994d: 9 (cat.); Monné, M.A., 2005: 620 (cat.); Monné, M.A., & Hovore, 2006: 291 (checklist); Monné, M.A., 2012: 116.

Type-species - *Pogonocherus vandykei* Linsley, 1930 (original designation).

1. *Alphomorphus vandykei* (Linsley, 1930)

Type locality - Holotype female: United States, Texas: Uvalde. (CASC). **Distribution** - United States (southern Texas), Mexico (Mexico, Guerrero, Morelos, Oaxaca). **Host plants** - *Bursera bipinnata*; (Burseraceae), *Opuntia* sp. (Cactaceae).

Pogonocherus vandykei Linsley, 1930: 82.

Alphomorphus vandykei; Linsley, 1935b: 100; Chemsak & Linsley, 1975: 275 (distr., syn.); Chemsak, Linsley & Noguera, 1992: 121 (cat.); Monné, M.A., 1994d: 9 (cat.); Monné, M.A., & Giesbert, 1994: 210 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Monné, M.A., 2002: 52 (cat. hosts); Monné, M.A., 2005: 620 (cat.); Monné, M.A., & Hovore, 2006: 291 (checklist); Noguera *et al*., 2012: 622 (distr.); Vargas-Cardoso *et al*., 2018: 97 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

Poliaenus vandykei grandis Linsley, 1933b: 185

Poliaenus schaefferi grandis; Breuning, 1975: 33.

Type locality - Holotype male: Mexico, Mexico: Distrito de Temascaltepec. (Tejupilco). (CASC).

Poliaenus mexicanus Breuning, 1940a: 185; 1975: 34, fig. 3.

Type locality - Holotype male: Mexico, Morelos: Tlaltizapán. (MNHN).

Callipogonius Linsley, 1935

Callipogonius Linsley, 1935b: 79; Arnett, 1962: 871, 891; Chemsak & Linsley, 1975: 274; Breuning, 1975: 10, 45; Linsley & Chemsak, 1985: 167; Monné, M.A., 1994d: 4 (cat.); Monné, M.A., 2005: 620 (cat.); Monné, M.A., & Hovore, 2006: 291 (checklist); Monné, M.A., 2012: 116.

Type-species - *Poliaenus hircinus* Bates, 1885 (original designation).

1. *Callipogonius cornutus* (Linsley, 1930)

Type locality - Holotype male: United States, Texas: Brownsville. (CASC). **Distribution** - United States (Texas), Mexico (Jalisco, Veracruz), Nicaragua. **Host plants** - *Salix nigra* Marshall (Salicaceae).

Ecyrus cornutus Linsley, 1930: 86, figs 1, 2; Linsley & Martin, 1933: 182 (biol.).

Callipogonius cornutus; Linsley, 1935b: 81; Vogt, 1949: 183 (distr.); Chemsak & Linsley, 1975: 274; Breuning, 1975: 46; Hovore, Penrose & Giesbert, 1978: 95 (biol.); Linsley & Chemsak, 1985: 168, fig. 35; Hovore, Penrose & Neck, 1987: 313 (distr.); Chemsak, Linsley & Noguera, 1992: 121 (cat.); Monné, M.A., 1994d: 4 (cat.); Monné, M.A., & Giesbert, 1994: 210 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Linsley & Chemsak, 1997: 353 (hosts); Monné, M.A., 2002: 52 (cat. hosts); Monné, M.A., 2005: 620 (cat.); Monné, M.A., & Hovore, 2006: 291 (checklist); Audureau, 2008: 16 (distr.); Maes *et al.*, 2010: 184, 3 figs (distr.); Santos-Silva & Bezark, 2021: 23; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

Ecyrus LeConte, 1852

Ecyrus LeConte, 1852: 160; Thomson, 1864: 48; 1865: 365; Lacordaire, 1872: 651; LeConte, 1873b: 341; Bates, 1880: 137; LeConte & Horn, 1883: 326; Leng & Hamilton, 1896: 136; Wickham, 1897a: 204; Blatchley, 1910: 1081; Linsley, 1930: 85; Bradley, 1930: 45; Linsley, 1935b: 88 (rev.); Knull, 1946: 259; Dillon & Dillon, 1961: 635; Arnett, 1962: 871, 892; Chemsak & Linsley, 1975: 281; Zayas, 1975: 207; Breuning, 1975: 10, 39; Villiers, 1980b: 560; Linsley & Chemsak, 1985: 185; Monné, M.A., 1994d: 7 (cat.); Monné, M.A., 2005: 621 (cat.); Monné, M.A., & Hovore, 2006: 291 (checklist); Monné, M.A., 2012: 117.

Type-species - *Lamia dasycerus* Say, 1826 (subsequent designation, LeConte, 1859b: 320).

Oebaceres Thomson, 1868a: 164; Lacordaire, 1872: 650, 652.

Type-species - *Exocentrus exiguus* Haldeman, 1847 (monotypy).

1. *Ecyrus arcuatus* Gahan, 1892

Type locality - Lectotype: Mexico, Yucatán: Temax. (BMNH). **Distribution** - United States (southern Texas), Mexico (Yucatán, Quintana Roo), Guatemala, Honduras, Nicaragua. **Host plants** - *Cercis canadensis* Linnaeus, *Parkinsonia aculeata* Linnaeus, *P. texana* S. Watson (Caesalpiniaceae), *Celtis laevigata* Willdenow (Cannabaceae) *Sesbania drummondii* (Rydberg) Cory (Fabaceae), *Prosopis juliflora* (Swartz) de Candolle, *Vachellia farnesiana* (Linnaeus) Wight. & Arn. (Mimosaceae).

Ecyrus arcuatus Gahan, 1892: 259, pl. 12, fig. 2; Linsley, 1935b: 91, pl. 1, fig. 9; Chemsak & Linsley, 1975: 284; Breuning, 1975: 41; Rice, 1985: 1223 (hosts); Linsley & Chemsak, 1985: 190, fig. 44 (syn.); Hovore, Penrose & Neck, 1987: 314, fig. 12 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 121 (cat.); Monné, M.A., 1994d: 8 (cat.); Monné, M.A., & Giesbert, 1994: 210 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Linsley & Chemsak, 1997: 368 (hosts); Monné, M.A., 2002: 52 (cat. hosts); Turnbow, Cave & Thomas, 2003: 25 (distr.); Monné, M.A., 2005: 621 (cat.); Hovore, 2006: 376 (distr.); Monné, M.A., & Hovore, 2006: 291 (checklist); MacRae & Rice, 2007: 251 (hosts); Maes *et al.*, 2010: 189, 1 fig. (distr.); Santos-Silva & Bezark, 2021: 17, fig. 12; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

Ecyrus dasycerus arcuatus; Linsley, 1930: 90.

Ecyrus dasycerus var. *texanus* Schaeffer, 1908a: 347; Linsley & Martin, 1933: 182 (distr.); Lingafelter *et al*., 2014: 50, figs. 53a, b (lect. designation).

Ecyrus dasycerus texanus; Vogt, 1949: 182 (biol.).

Ecyrus texanus; Linsley, 1930: 90; 1935c: 92, pl. 1, fig. 8; Breuning, 1975: 41; Linsley & Chemsak, 1997: 369 (hosts).

Type locality - United States, Texas: Brownsville (Esperanza Ranch). (USNM).

2. *Ecyrus dasycerus dasycerus* (Say, 1826)

Type locality - Holotype female: United States. (depository unknown). **Distribution** - This species ranges from southern Quebec to eastern Nebraska, south to southeastern Texas and southern Florida. In Canada, it is found in southern Quebec, as far north as the Montreal region, and in southern Ontario. **Host plants** - *Acer saccarum* Marshall, *Acer negundo*, *Acer rubrum* (Aceraceae), *Gleditsia triacanthos* Linnaeus, *Gymnocladus dioica* (Linnaeus) Koch (Caesalpiniaceae), *Robinia pseudoacacia* Linnaeus (Fabaceae), *Quercus falcata* Michaux, *Quercus ilicifolia, Quercus marilandica, Q. prinus* Linnaeus, *Q. stellata, Quercus marilana, Q, velutina* Lamarck (Fagaceae), *Carya glabra* (Miller) Sweet, *Juglans nigra* Linnaeus (Juglandaceae), *Magnolia grandiflora* Linnaeus (Magnoliaceae), *Salix nigra* Marshall (Salicaceae), *Tilia americana* Linnaeus (Tiliaceae), *Celtis laevigata* Willdenow, *C. occidentalis* Linnaeus, *C. tenuifolia* Nuttall, *Ulmus americana* Linnaeus (ULmaceae).

Lamia dasycerus Say, 1826: 270; LeConte, 1859b: 328

Exocentrus dasycerus; Haldeman, 1847a: 50

Exocentrus obscurus Haldeman, 1847a: 50

Type locality - Holotype: United States, Pennsylvania. (MCZN)

Exocentrus exiguus Haldeman, 1847a: 50

Ecyrus exiguus; LeConte, 1852: 161; White, 1855: 396; Thomson, 1868a: 165; Popenoe, 1877: 34 (distr.); Leng & Hamilton, 1896: 137 (cat.); Dury, 1902: 162 (distr.); Wickham, 1909b: 402 (distr.); Blatchley. 1910: 1082 (distr.); Loding, 1945: 124 (distr.); Alexander, 1958: 46 (distr.)

Type locality - Holotype male: United States. (MCZN).

Ecyrus dasycerus; LeConte, 1852: 160; Thomson, 1864: 68; LeConte, 1880: 237 (hosts); Packard, 1881: 75 (biol.); Harrington, 1884b: 49 (hosts); Packard, 1890: 292 (biol.); Schwarz, 1891: 74 (hosts); Gahan, 1892: 259 (syn.); Chittenden, 1894: 101 (hosts); Hamilton, 1895a: 339 (distr.); Knobel, 1895: 34 (distr.); Leng & Hamilton, 1896: 137 (car.); Beutenmuller, 1896: 80 (hosts); Castle & Laurent, 1897: 8 (distr.); Wickham, 1898a: 43; Smith, 1900: 295 (distr.); Dury, 1902: 162 (distr.); Ulke, 1903: 27 (distr.); Houghton, 1908: 161 (hosts); Wickham, 1909a: 29 (distr.); Smith, 1910: 334; Leng, 1910: 78 (distr.); Fisher & Kirk, 1912: 315 (distr.); Frost, 1912: 307; Chagnon. 1917: 237 (distr.); Dozier, 1918: 335 (distr.); Blatchley. 1918: 56 (distr.); Nicolay, 1919: 71 (distr.); Britton, 1920: 271 (distr.); Rosewall, 1920: 203 (hosts); Craighead, 1923: 122, pls. (larva); Kirk & Knull, 1926: 44 (distr.); Knull, 1928a: 316 (hosts).; Leonard, 1928: 454 (distr.); Linsley, 1930: 89; Knull, 1932: 64 (hosts); Beaulne, 1932: 221 (hosts); Linsley, 1935b: 92; Brimley, 1938: 218 (distr.); Loding, 1945: 124 (distr.); Beal & Massey, 1945: 71 (hosts); Knull, 1946: 259, pl. 23, fig. 96; Fattig, 1947: 39 (distr.); Bray & Triplehorn, 1953: 18 (biol.); Alexander, 1958: 45 (distr.); Dillon & Dillon, 1961: 235, pl.; Breuning, 1975: 40, fig. 4 (revis.); Gosling & Gosling, 1976: 23 (distr.); Gosling, 1984: 71 (hosts); Linsley & Chemsak, 1985: 188; Chemsak, Linsley & Noguera, 1992: 121 (cat.); Krinsky & Godwin, 1996: 239; Noguera & Chemsak, 1996: 405 (distr.); Browne & Peck. 1996: 2159 (distr.)

Ecyrus dasycerus dasycerus; Turnbow & Franklin, 1980: 246; Rice & Enns, 1981: 96; Waters & Hyche, 1984: 285 (distr.); Linsley & Chemsak, 1985: 188; Lingafelter & Horner, 1993: 182 (distr.); MacRae, 1993: 243 (distr., hosts); Monné, M.A., 1994d: 8 (cat.); Monné, M.A., & Giesbert, 1994: 210 (cat.); Yanega, 1996: 132, pl. 25, fig. 291; Linsley & Chemsak, 1997: 368 (hosts); Peck & Thomas, 1998: 121 (distr.); Schiefer, 1998b: 124 (distr.); Vlasák & Vlasakova, 2002: 214 (distr., hosts); Monné, M.A., & Hovore, 2006: 291 (checklist); MacRae & Rice, 2007: 291 (distr., hosts); Guarnieri, 2009: 19 (distr.); Holt, 2013: 254 (distr;. hosts); Steury & MacRae, 2014: 11 (distr.); Klingeman *et al*., 2017: 299 (distr.); Bousquet, Laplante, Hammond & Langor, 2017:

155, pl. 35; Maier, 2020: 81; Vlasak & Vlasakova, 2021: 4, 21; Santos-Silva & Bezark, 2021:17, figs 9-11

2a. *Ecyrus dasycerus floridanus* Linsley, 1935

Type locality - Holotype male: United States, Florida: Royal Palm Park. (Purdue University). **Distribution** - United States (Southern Florida). **Host plants –** *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae). *Quercus laevis* Walker, *Q. laurifolia* Michaux (Fagaceae), *Lysiloma latisiliqua* (Linnaeus), Bentham (Mimosaceae), *Ficus aurea* Nuttall (Moraceae).

Ecyrus dasycerus floridanus Linsley, 1935b: 93; Frost, 1969: 95; Breuning, 1975: 40 (rev.); Turnbow & Hovore, 1979: 226 (hosts); Linsley & Chemsak, 1985: 190; Chemsak, Linsley & Noguera, 1992: 122 (cat.); Monné, M.A., 1994d: 9 (cat.); Monné, M.A., & Giesbert, 1994: 210 (cat.); Linsley & Chemsak, 1997: 369 (hosts); Peck & Thomas, 1998: 121 (distr.); Monné, M.A., & Hovore, 2006: 291 (checklist); MacRae & Rice, 2007: 251 (distr., hosts)

***Hypomia* Thomson, 1868**

Hypomia Thomson, 1868a: 51; Lacordaire, 1872: 671; Dillon & Dillon, 1945a: ix; Monné, M.A. & Giesbert, 1992: 252; Monné, M.A., 1994d: 10 (cat.); Monné, M.A., 2005a: 623 (cat.); Monné, M.A. & Hovore, 2006: 291 (checklist); Monné, M.A., 2012: 117 ; Santos-Silva & Bezark, 2o212 : 18

Type-species - *Hypomia mexicana* Thomson, 1868 (monotypy).

1. *Hypomia penicillata* (Bates, 1880)

Type locality - Lectotype female: Mexico, Veracruz: Mirador. (BMNH). **Distribution** - United States (southern Texas), Mexico (Tamaulipas, Sinaloa, Veracruz), Guatemala, Nicaragua (Matagalpa), Honduras. **Host plants** - *Celtis* sp. (Cannabaceae).*Pithecellobium flexicaule* (Bentham) Coulter (Mimosaceae), *Zanthoxylum* sp. (Rutaceae), *Salix* sp. (Salicaceae).

Ecyrus penicillatus Bates, 1880a: 137; Lameere, 1883: 61 (cat.); Linsley, 1935c: 91, pl. 1, fig. 7; Chemsak & Linsley, 1970: 410 (lect.); 1975: 282; Breuning, 1975b: 42; Linsley & Monné, M.A., 1994d; 9 (cat.); Chemsak, 1985: 186, fig. 42; Rice, Turnbow & Hovore, 1985: 22 (hosts); Hovore, Penrose & Neck, 1987: 313, fig. 12 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 122 (cat.); Monné, M.A., 1994d: 9 (cat.); Monné, M. A. & Giesbert, 1994: 210 (checklist); Noguera & Chemsak, 1996: 405 (cat.); Linsley & Chemsak, 1997: 369 (hosts); Monné, M. A., 2002: 53 (cat. hosts); Ruiz & Coronado, 2002: 102 (distr.); Turnbow, Cave & Thomas, 2003: 25 (distr.); Monné, M.A., 2005a: 622 (cat.); Monné, M.A. & Hovore, 2006: 291 (checklist); Hovore, 2006: 376 (distr.); García Morales *et al*., 2015: 110 (distr.); Audureau & Roguet, 2018: 87 (distr.); Santos-Silva & Bezark, 2021: 21, fig 13-2; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

Ecyrus pencillatus; Linsley, 1930: 89 (error).

Ecyrus fasciatus Hamilton *in* Leng & Hamilton, 1896: 137; Townsend, 1903: 79 (distr.); Schaeffer, 1908a: 328 (distr.); Linsley, 1931: 106; Linsley & Martin, 1933: 182 (distr.); Lingafelter *et al*., 2014: 60, figs. 64i, j (holotype).

Type locality - Lectotype male: United States, Texas: Brownsville. (USNM).

***Lophopogonius* Linsley, 1935**

Lophopogonius Linsley, 1935b: 94; Arnett, 1962: 871; Hatch, 1971: 152; Breuning, 1975: 46; Linsley & Chemsak, 1985: 192; Monné, M.A., 1994b: 5 (cat.); Monné, M.A., & Hovore, 2006: 291 (checklist);

Type species - *Pogonocherus crinitus* LeConte, 2873 (original designation)

1. *Lophopogonius crinitus* (LeConte, 1873)

Type locality - Holotype: United States, California. (MCZN). **Distribution - C**anada (British Columbia)? to southern California. **Host plants** – *Lithocarpus densiflora* Rehder, *Quercus agrifolia* Née, *Q. chrysolepis* Liebman, *Q. dumosa* Nuttall, *Q. garryana* Douglas (Fagaceae)

Pogonocherus crinitus LeConte, 1873a: 237; Horn, 1878: 42; LeConte & Horn, 1883: 323; Lameere, 1883: 59 (cat.); Rivers, 1886: 7; Leng & Hámilton, 1896: 135; Fall, 1901: 151 (distr.); 1910: 7; Garnet, 1918: 283 (distr.); Van Dyke, 1920: 57 (hosts); Craighead, 1923: 142 (larva); Hardy, 1926: 33; Linsley, 1930: 80 (distr., hosts); Hopping, 1931: 106 (distr.); Beaulne, 1932: 220 (hosts); Linsley & Usinger, 1934: 104 (distr.); Keen, 1938: 37 (hosts)

Lophopogonius crinitus Linsley, 1935b: 95, pl. 1, fig. 12; Keen, 1952: 47 (hosts); Hatch, 1971: 153, pl. 18, fig. 4; Breuning, 1975: 47 (rev.); Furniss & Carolin, 1977: 309 (hosts); Linsley & Chemsak, 1985: 193, pl. 45; Chemsak, Linsley & Noguera, 1992: 122 (cat.); Monné, M.A., 1994d: 5 (cat.); Monné, M.A., & Giesbert, 1994: 210 (cat.); Linsley & Chemsak, 1997: 393 (hosts); Monné, M.A., & Hovore, 2006: 291 (cat.); Bousquet, Laplante, Hammond & Langor, 2017: 155, pl. 36; Gimmel *et al*., 2023: 255 (distr.)

Lypsimena Haldeman, 1847

Lypsimena Haldeman, 1847a: 54; Chevrolat *in* D'Orbigny, 1846a: 521; LeConte, 1852: 155; Thomson, 1864: 114; 1865: 395; Lacordaire, 1872: 653; LeConte, 1873b: 342; LeConte & Horn, 1883: 327; Leng & Hamilton, 1896: 139; Bradley, 1930: 244; Linsley, 1935b: 78 (rev.); Knull, 1946: 259; Cazier & Lacey, 1952: 49; Breuning *in* Biezanko & Bosq, 1956: 13 (syn.); Arnett, 1962: 871, 891; Breuning, 1963: 520 (syn., cat.); Linsley & Chemsak, 1975: 272; Zayas, 1975: 208; Breuning, 1975: 10, 48; Linsley & Chemsak, 1985: 165; Monné, M.A., 1994d: 2 (cat.); Monné, M.A., 2005: 623 (cat.); Monné, M.A., & Hovore, 2006: 291 (checklist); Monné, M.A., 2012: 117.

Type-species - *Lypsimena fuscata* Haldeman, 1847 (monotypy).

Alloescelis Bates, 1885: 358; Gahan, 1895: 123.

Type-species - *Alloescelis leptis* Bates, 1885:358 (monotypy).

1. *Lypsimena fuscata* Haldeman, 1847

Type locality - Holotype: United States, New York ? (MCZN). **Distribution** - Eastern North America and southern California, Mexico, Central America, Cuba, Jamaica, Puerto Rico, Bahamas, Cayman Islands, Hispaniola, Colombia, Venezuela, French Guiana, Brazil (Roraima, Maranhão, Piauí, Rio Grande do Norte, Paraíba, Bahia, Minas Gerais, Espírito Santo, Rio de Janeiro, São Paulo, Paraná, Santa Catarina, Rio Grande do Sul), Argentina (Salta, Tucumán, Chaco, Corrientes), Bolivia (Santa Cruz), Paraguay, Uruguay. **Host plants** - *Manihot palmata* Müller Argoviensis (Euphorbiaceae), *Quercus agrifolia* Née, *Q. inopina* Ashe (Fagaceae), *Persea americana* P. Miller (Lauraceae), *Prunus* sp. (Rosaceae).

Lypsimena fuscata Haldeman, 1847a: 54; LeConte, 1852: 155; Chevrolat, 1862: 253; Thomson, 1864: 114; Lacordaire, 1872: 653; Gundlach, 1891: 214 (distr.); Gahan, 1895: 123 (syn.); Leng & Hamilton, 1896: 139; Aurivillius, 1900: 415 (distr.); Bruch, 1912: 210 (cat.); Leng & Mutchler, 1914: 449 (distr.); Moznette, 1919: 47 (biol.); Leonard, 1928: 455 (distr.); Linsley, 1935b: 79; Brimley, 1938: 219 (distr.); Quayle, 1938: 351 (biol.); Bosq, 1943: 25 (distr., hosts); Loding, 1945: 124 (distr.); Knull, 1946: 259, pl. 23, fig. 91; Prosen, 1947: 331 (distr.); Fattig, 1947: 40 (distr.); Cazier & Lacey, 1952: 49 (distr.); Ebeling, 1959: 319 (biol.); Hayward, 1960: 10 (hosts); Duffy, 1960: 207 (hosts); Chemsak, 1967: 188 (distr.); 1969: 189 (distr.); Viana, 1972: 345 (distr.); Chemsak & Linsley, 1975: 272 (syn.); Zayas, 1975: 209, pl. 27, fig. b; Breuning, 1975: 49; Chemsak, Linsley & Mankins, 1980: 35 (distr.); Turnbow & Franklin, 1980: 346 (distr.); Linsley & Chemsak, 1985: 166; Rice, Turnbow & Hovore, 1985: 22 (distr.); Chemsak, Linsley & Noguera, 1992: 122 (cat.); Browne, Peck & Ivie, 1993: 49 (distr.); Monné, M.A., 1994d: 3 (cat.); Monné, M.A., & Giesbert, 1994: 210 (cat.);

Noguera & Chemsak, 1996: 405 (cat.); Linsley & Chemsak, 1997: 394 (hosts); Maes, 1998: 916 (distr.); Morris, 2002: 212 (distr.); Monné, M. A., 2002: 54 (cat. hosts); Turnbow, Cave & Thomas, 2003: 25 (distr.); Monné, M.A., 2005: 624 (cat.); Peck, 2005: 176 (distr.); Hovore, 2006: 376 (distr.); Monné, M.A., & Hovore, 2006: 292 (checklist); Swift *et al*., 2010: 65 (distr.); Maes *et al.*, 2010: 191, 2 figs (distr.); Wappes, Lingafelter & Perger, 2011: 6 (distr.); Morvan & Roguet, 2013: 34 (distr.); Thomas, Turnbow & Steiner, 2013: 19 (distr.); Ferreira & Rocha, 2015: 369 (distr.); Noguera & Gutiérrez, 2016: 662; Nascimento, Botero & Bravo, 2016: 559 (distr.); Lingafelter, Wappes & Ledezma Arias, 2017: 243, 1 fig. 22; Devesa, Barro & Fonseca, 2019: 85,88, figs 1-10

Alloeoscelis leptis Bates, 1885: 358; Chemsak & Linsley, 1970: 407 (lect.).

Type locality - Lectotype male : Panama, Chiriquí: Volcán de Chiriquí. (BMNH).

Lypsimena californica Horn, 1885a: 194; Leng & Hamilton, 1896: 140; Garnett, 1918: 283 (distr.); Linsley, 1935b: 79; Moore, 1937: 91 (distr.); Breuning, 1975: 50.

Type locality - Holotype male: United States, California: San Diego. (ANSP).

Lypsimena brasiliensis Aurivillius, 1922c: 164; Zajciw, 1965: 15 (distr.); Breuning, 1975: 50, fig. 6; Marinoni, 1977b: 217 (syn., distr.); Penteado-Dias, 1984: 229, fig. 25 (morphol.); Martínez, 2000: 102 (distr.); Monné, M.A., 2002: 53 (cat. hosts); Monné, M.A., 2005: 623 (cat.); Monné, M.L. *et al*., 2010: 250 (distr.).

Syntypes locality - Syntypes male; Brazil, São Paulo. (NHRS, RMNH).

Estoloderces navarroi Melzer, 1928: 148, pl. 24, fig. 5; Zikán & Zikán, 1944: 27 (distr.); Zikán & Wygodzinsky, 1948: 52 (type); Buck, 1959: 599 (distr.); Monné, M.A. *et al*., 2017a: 79 (lectotype).

Lypsimena navarroi; Breuning *in* Biezanko & Bosq, 1956: 13; Zajciw & Monné, M.A., 1968: 55 (distr.); Monné, M.A. & Zajciw, 1972: 52 (distr.); Zajciw, 1974: 73 (distr.).

Type locality - Lectotype: Brazil, São Paulo: São Paulo. (MZSP).

Pogonocherus Dejean, 1821

Pogonocherus Dejean, 1821: 107; Drapiez, 1844: 78; Chevrolat *in* D'Orbigny, 1847b: 309; Desmarest *in* Chenu, 1860: 322; Desmarest *in* Chenu, 1870: 322; Monné, M.A., 2005: 625 (cat.); Monné, M.A., 2012: 117; Bousquet. Laplante, Hammond & Langor, 2017: 155 (key spp)

Pogonocherus (Eupogonocherus) Linsley, 1935

Pogonocherus (Eupogonocherus) Linsley, 1935b: 97; Knull, 1946: 260; Breuning, 1975: 11, 17; Linsley & Chemsak, 1985: 198; Monné, M.A., 1994d: 11 (cat.); Monné, M.A., 2005: 625 (cat.).

Type-species - *Cerambyx hispidus* Linnaeus, 1758 (original designation).

1. *Pogonocherus (Eupogonocherus) arizonicus* Schaeffer, 1908

Type locality - Holotype: United States, Arizona: Huachuca Mts, Carr's Peak. (USNM). **Distribution** - United States (southern Arizona), Mexico (Durango). **Host plants** - *Pinus* sp. (Pinaceae).

Pogonocherus arizonicus Schaeffer, 1908a: 346; 1909a: 102; Fall, 1910: 8; Casey, 1913: 346; Linsley, 1930: 80; Hopping, 1931: 105 (distr.); Hovore, 1983: 385; Monné, M.A., 1994d:11 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 422 (hosts); Monné, M.A., 2002: 54 (cat. hosts); Monné, M.A., & Hovore, 2006: 292 (checklist); Lingafelter *et al*., 2014: 20, figs. 20e, f (type).

Pogonocherus (Eupogonocherus) arizonicus; Linsley, 1935b: 98, pl. 1, fig. 10; Chemsak & Linsley, 1975: 280 (syn.); Breuning, 1975: 19; Linsley & Chemsak, 1985: 201, fig. 49; Chemsak, Linsley & Noguera, 1992: 211 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Monné, M.A., 2005: 625 (cat.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

Pogonocherus (Eupogonocherus) medianus Linsley, 1935b: 98, pl. 1, fig. 10; Linsley, Knull & Statham, 1961: 31 (distr.); Breuning, 1975: 19.

Type locality - Holotype male: United States, Arizona: Chiricahua Mts, Rustler Park. (CASC).

2. *Pogonocherus mixtus* Haldeman, 1847

Type locality - Holotype: United States, Pennsylvania. (MCZN). **Distribution** - This species ranges from Nova Scotia to central Alaska, south to northern Washington, New Mexico through the Rockies, east-central Mississippi, central Alabama and northern Florida along the Atlantic coast. **Host plants** - *Larix laricina* (Duroi) K.Koch. *Pinus echinata* Miller. *P. ponderosa* Douglas ex Lawson, *P. resinosa* Aiton, *P. strobus* Linnaeus, *Pyrus* sp. (Rosaceae), *Salix* sp. (Salicaceae).

Pogonocherus mixtus Haldeman, 1847a: 50; LeConte, 1852: 160; White, 1855: 398; Bland, 1861; 98 (distr., hosts); LeConte, 1873a: 237; Henshaw, 1874: 23 (distr.); Austin & LeConte, 1874: 271 (distr.); Packard, 1877: 804, pl. 70, fig. 9 (biol.); Snow, 1877: 19 (distr.); Provancher, 1877: 631; Snow, 1878: 76 (distr.); Horn, 1878: 42 (syn.); Snow, 1881: 70 (distr.); Packard, 1881: 141 (biol.); 1890: 558 (biol.); Harrington, 1890a: 186 (distr.); Slosson, 1896: 263 (distr.); Beutenmuller, 1896: 80 (hosts); Leng & Hamilton, 1896: 135 (cat.); Wickham, 1897b: 159 (distr.); 1898a: 43; 1899b: 199 (distr.); Smith, 1900: 295 (distr.); Fall, 1901: 151 (distr.); Klages, 1901: 273 (distr.); Ulke, 1903: 27 (distr.); Knaus, 1903: 176 (distr.); Chagnon, 1905: 36 (distr.); Knaus, 1906: 234 (distr.); Felt, 1906: 663, fig. 193 (hosts); Fall & Cockerell, 1907: 194 (distr.); Wickham, 1909a: 29 (distr.); Schaeffer, 1909: 102; Smith, 1910: 334 (distr.); Blatchley, 1910: 1081; Fall, 1910: 8; Casey, 1913: 348; Morris, 1916a: 20 (hosts); Chagnon, 1917: 237 (distr.); Blackman & Stage, 1918: 49; Morris, 1918: 42; Nicolay, 1919: 71 (distr.); Leng, 1920: 283 (cat.); Frost, 1920: 28 (biol.); Craighead, 1923: 123, pls. (larva); Mundinger, 1924: 320 (distr.); Hatch, 1925: 581 (distr.); Criddle, 1925: 98 (distr.); Kirk & Knull, 1926: 44 (distr.); Leonard, 1928: 454 (distr.); Brown, 1929: 154 (distr.); Hopping, 1931: 105 (distr.); Beaulne, 1932: 220 (hosts); Doane *et al*., 1936: 289 (biol.) : Brimley, 1938: 218 (distr.); Chagnon, 1938: 279; 1939: 86 (distr.); Palmerlee, 1941: 378; Loding, 1945: 123; Beal & Massey. 1945: 35; Procter, 1946: 183 (biol.); Fattig, 1947: 39; Gardiner, 1957: 252; Chagnon & Robert, 1962: 375; Gardiner, 1966: 204; 1970: 116; Kirk & Balsbaugh, 1975: 100 (distr.); Stein & Tagestad, 1976: 29; Gosling & Gosling, 1976: 22 (distr.); Laliberté, Chantal & LaRochelle, 1977: 96 (biol.); Turnbow & Franklin, 1980: 345 (distr.); Rice & Enns, 1981: 96; Gosling, 1984: 73 (hosts); Yanega, 1996: 132, pl. 25, figs, 287 a, b; Monné, M.A., 1994d:11 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 422 (hosts); Vlasák & Vlasakova, 2002: 214 (distr., hosts); Monné, M.A., & Hovore, 2006: 292 (checklist); Webster, 2016: 489 (distr.); Rice, MacRae & Merickel, 2017: 671 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 156, pl. 36; Maier, 2020: 84; Haack & Ruesink, 2020: 156

Pogonocherus (Pogonocherus) mixtus; Linsley, 1930: 81; 1935: 99; Monné, M.A. & Hovore, 2006: 292 (cat.); Holt, 2013: 254 (distr.); Klingeman *et al*., 2017: 299 (distr.);

Pogonocherus (Eupogonocherus) mixtus; Knull, 1946: 261; Hatch, 1971: 153; Breuning, 1975: 17 (revis.); Chemsak, Linsley & Noguera, 1992: 122 (cat.); MacRae, 1993: 243 (distr.); Monné, M.A., 1994d: 11 (cat.); Heffern, 1998: 20 (distr.); Peck & Thomas, 1998: 121 (distr.); Schiefer, 1998b: 124 (distr.); MacRae & Rice, 2007: 256 (distr., hosts);

Pogonocherus simplex LeConte, 1873a: 237; Snow, 1877: 19 (distr.); Lameere, 1883: 49 (cat.); Casey, 1913: 348; Knaus, 1914: 91

Pogonocherus mixtus var. *simplex*; LeConte, 1879: 305 (distr.)

Syntypes locality - Syntypes: United States, Texas, California. (MCZN)

3. *Pogonocherus parvulus* LeConte, 1852

Syntypes localities - Syntypes male and female: United States, Minnesota, Missouri. (MCZN). **Distribution –** Distributed from New Brunswick to central British Columbia, north to the Zama City area in northwestern Alberta, south to Utah and Pennsylvania. **Host plants** - *Pinus pomderosa* Douglas ex Lawson & P. Lawson, *P. balsamifera* Linnaeus (Pinaceae), *Salix* sp (Salicaceae)

Pogonocherus parvulus LeConte, 1852: 160; White, 1855: 398; LeConte, 1859a: 49; 1873a: 237; Casey, 1913: 346; Kirk & Knull, 1926: 44 (distr.); Leonard, 1928: 454 (distr.); Knowlton, 1930: 76 (distr.); Linsley, 1931: 106 (syn.); Doane *et al*., 1936: 189 (hosts); Kirk & Balsbaugh, 1975: 100 (distr.); Stein & Tagestad, 1975: 30; Gosling & Gosling, 1976: 23 (distr.); Laliberté, Chantal & LaRochelle, 1977: 97 (biol.); Yanega, 1996: 132, pl. 25, fig. 286; Monné, M.A., 1994d:12 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 422 (hosts); Vlasák & Vlasakova, 2002: 214 (distr.); Monné, M.A., & Hovore, 2006: 292 (checklist); Webster *et al*., 2016: 119 (distr., hosts); Webster, 2016: 489 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 156, pl. 36

Pogonocherus (Eupogonocherus) parvulus; Linsley. 1935b: 99; Knull, 1946: 261, pl. 23, fig. 93; Knowlton & Wood, 1950: 13 (distr.); Hatch, 1971: 154; Breuning, 1975: 18 (rev.); Linsley & Chemsak, 1985: 203; Gosling, 1986: 157 (hosts); Chemsak. Linsley & Noguera, 1992: 122 (cat.); Monné, M.A., 1994d: 12 (cat.); Heffern, 1998: 20 (distr.)

Pogonocherus (Pogonocherus) parvulus; Monné, M.A., & Hovore, 2006: 292 (cat.)

Pogonocherus salicola Casey, 1913: 347; Morris, 1918: 41; Craighead, 1923: 124, pl. 7, fig. 8 (larva); Lingafelter *et al*., 2014: 314, fig. 148 g (holotype)

Pogonocherus salicicola; Casey, 1918: 415; Frost, 1920: 25; Leonard, 1928: 454 (distr.)

Pogonocherus (Pogonocherus) salicicola; Linsley, 1930: 81

Type locality - Holotype female: United States, Massachusetts: Framingham. (USNM)

4. *Pogonocherus penicillatus* LeConte, 1850

Syntypes locality - Syntypes: Canada, N Lake Superior, Pic Island (MCZN). **Distribution** - Eastern Newfoundland to central Alaska, south to southern California, Colorado and the Upper Peninsula of Michigan **Host plants** - *Picea engelmanni* Engelmann, *P. glauca* (Moench) Voss, *P. nigra* Link, *Pinus contorta* Douglas ex Loudon, *P. flexilis* James, *P. jeffreyi* Balfour, *P. monticola* Douglas ex D.Don, *P. ponderosa* Douglas ex Lawson & P, lawson (Pinaceae).

Pogonocherus penicillatus LeConte, 1850: 234; White, 1855: 397; Provancher, 1877: 630; Horn, 1878: 42; Knobel, 1895: 34 (distr.); Leng & Hamilton, 1896: 135 (cat.); Wickham, 1898a: 42; Harrington, 1899a: 67 (biol.); Blatchley, 1910: 1080; Casey, 1913: 346; Craighead, 1923: 123 (larva); Mundinger, 1924; 220 (biol.); Leonard, 1928: 454 (distr.); Hopping, 1931: 105 (distr., hosts); Chagnon. 1938: 275; Brown, 1941: 21; Gardiner, 1957: 246 (larva); Chagnon & Robert, 1962: 275; Gardiner, 1970: 116; Laliberté, Chantal & LaRochelle, 1977: 97 (hosts); Chemsak, Linsley & Noguera, 1992: 122 (cat.); Monné, M.A., 1994d:13 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Vlasák & Vlasakova, 2002: 214 (distr., hosts); Majka, McCorquodale & Smith, 2007: 261; Webster, 2016: 489 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 157, pl. 36 (syn.); Maier, 2020: 84; Vlasak & Vlasakova, 2021:4,. 21

Pogonocherus (Pogonocherus) penicillatus; Linsley, 1935b: 96; Knull, 1946: 260; Hatch, 1971: 153; Breuning, 1975: 16 (revis.); Linsley & Chemsak, 1985: 196; Gosling, 1986: 157 (hosts); Monné, M.A., 1994d: 10 (cat.); Heffern, 1998: 20 (distr.); Monné, M.A., & Hovore, 2006: 292 (checklist);

Pogonocherus penicellatus; LeConte, 1852: 160; LeConte, 1873a: 237; Austin & LeConte, 1874: 271; Harrington, 1890a: 186 (distr.); Slosson, 1893b: 290 (distr.); Hopkins, 1893: 297 (biol.); Slosson, 1894: 4 (distr.); Evans, 1895: 173 (distr.); Chagnon, 1897: 15 (distr.); Smith, 1900: 295 (distr.); Felt, 1906: 737 (hosts); Schaeffer, 1909a: 102 (distr.); Sherman, 1910: 195 (distr.); Fall, 1910: 8; Nicolay, 1917: 94 (distr.); Chagnon, 1917: 237 (distr.); Kirk & Knull, 1926: 44 (distr.); Fall, 1926: 203 (distr.); Beaulne, 1932: 220 (hosts); Knull, 1934: 211 (hosts); Doane *et al*., 1936: 190 (hosts); Chagnon, 1939: 86 (distr.); Procter, 1946: 183 (biol.);

Pogonocherus (Pityphillus) penicellatus; Linsley, 1930: 83 (syn.)

Pogonocherus alaskanus Schaeffer, 1909b: 385; 1909a: 102; Fall, 1910: 8; Casey, 1913: 348; Lingafelter *et al*., 2014: 11, fig. 10 k (holotype)

Type locality - Holotype: United States, Alaska. (USNM)

Pogonocherus propinquus Fall, 1910: 6; Van Dyke, 1920: 48 (hosts); Keen, 1929: 68; Brown, 1931: 90 (distr.); Hopping, 1931: 105 (hosts); DeLeon, 1934: 57 (hosts); Lange, 1937: 174 (hosts); Ross, 1968: 11 (biol.); Cope, 1984: 33 (hosts); Linsley & Chemsak, 1997: 427 (hosts); Monné, M.A., & Hovore, 2006: 292 (checklist);Rice, MacRae & Merickel, 2017: 671 (distr.)

Pogonocherus (Pogonocherus) propinquus; Linsley, 1930: 80; 1935: 97, pl. 1, fig. 11;

Pogonocherus (Eupogonocherus) propinquus; Hatch, 1971: 153, pl. 18, fig. 6; Breuning, 1975: 19 (revis.); Linsley & Chemsak, 1985: 199; Chemsak, Linsley & Noguera, 1992: 122 (cat.). Monné, M.A., 1994d: 13 (cat.); Heffern, 1998: 20 (distr.)

Pogonocherus carinatus Casey, 1913: 346; Lingafelter *et al*., 2014: 37, 369, fig. 38 l (lectotype)
Type locality - Lectotype: United States, Colorado (USNM)

5. *Pogonocherus pictus* Fall, 1910

Syntypes localities - Syntypes: United States, Colorado, New Mexico. (MCZN). **Distribution** - From southern Quebec to western British Columbia, north to the Great Slave Lake area in southern Northwest Territories, south to east-central California, southern Arizona, and southern New Mexico. **Host plants** - *Larix occidentalis* Nuttall, *Pinus contorta* Douglas ex Loudon¸ *P. flexilis* James, *P. ponderosa* Douglas ex Lawson & P. Lawson, *P. tremuloides* Michaux (Pinaceae), *Populus trichocarpa* Torrey & A. Gray (Salicaceae).

Pogonocherus pictus Fall, 1910: 6; Stace-Smith, 1929: 74 (distr.); Hopping, 1931: 105 (hosts); Knowlton & Thatcher, 1936: 281 (distr.); Ross, 1967: 24; Monné, M.A., 1994d:12 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 423 (hosts); Monné, M.A., & Hovore, 2006: 292 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 157, pl. 36

Pogonocherus (Pogonocherus) pictus; Linsley, 1930: 80; 1935: 99; Monné, M.A., & Hovore, 2006: 292 (cat.)

Pogonocherus (Eupogonocherus) pictus; Breuning, 1975: 18 (rev.); Hatch, 1971: 153; Linsley & Chemsak, 1985: 206; Chemsak, Linsley & Noguera, 1992: 122 (cat.); Monné, M.A., 1994d: 12 (cat.); Heffern, 1998: 29 (distr.)

Pogonocherus emarginatus Casey, 1913: 347; Lingafelter *et al*. 2014: 57, fig. 61 l (holotype)
Type locality - Holotype male: United States, Colorado. (USNM)

Pogonocherus fastigiatus Casey, 1913: 348; Lingafelter *et al*., 2014: 61, fig. 65 a (holotype)
Type locality - Holotype: United States, Montana (USNM)

Poliaenus Bates, 1880

Poliaenus Bates, 1880: 120; Linsley, 1935b: 81; Arnett, 1962: 871, 892; Hatch, 1971: 152; Chemsak & Linsley, 1975: 276; Breuning, 1975: 10, 31; Linsley & Chemsak, 1985: 168; Monné, M.A., 1994d: 5 (cat.); Monné, M.A., 2005: 625 (cat.); Monné, M.A., & Hovore, 2006: 292 (checklist); Monné, M.A., 2012: 117.
Type-species - *Poliaenus hirsutus* Bates, 1880 (monotypy) [=*Lophopoeum volitans* LeConte, 1873].

1. *Poliaenus abietis* Tyson, 1968

Type locality - Holotype female: United States, California: Cone Peak, Santa Lucia Mountains, Monterey County. (CACS). **Host plants -** *Abies venusta* (Douglas) K. Koch (Pinaceae)

Poliaenus abietis Tyson, 1968: 140, fig. 1; Linsley & Chemsak, 1985: 171; Chemsak, Linsley & Noguera, 1992: 122 (cat.); Monné. M.A., 1994d: 5 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 423 (hosts); Monné, M.A., & Hovore, 2006: 292 (checklist);

2. *Poliaenus californicus* (Schaeffer, 1908)

Type locality - Holotype female: United States, California: Tulare County (USNM). **Distribution** - United States (Foothills of central and southern California from Mariposa to

San Diego Counties). **Host plants** - *Fremontodendron californicum* (Torrey) Coville (Sterculiaceae)

Pogonocherus californicus Schaeffer, 1908a: 347; 1909: 103; Fall, 1910: 7 (distr.); Garnett, 1918: 283 (distr.); Schaeffer, 1932: 153 (syn.)

Poliaenus californicus Linsley, 1935b: 82, pl. 1, fig. 2; Doane *et al*., 1936: 190 (hosts); Breuning, 1975: 105 (revis.); Linsley & Chemsak, 1985: 182, fig. 40; Chemsak, Linsley & Noguera, 1992: 122 (cat.); Monné, M.A., 1994d: 5 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 423 (hosts); Monné, M.A., & Hovore, 2006: 292 (checklist);

Pogonocherus pilatei Van Dyke, 1920: 46; Davis, 1932: 85 (distr.)

Pogonocherus (Pityphilus) pilatei; Linsley, 1930: 83 (hosts)

Type locality - Holotype male: United States, California: Havilah (CACS)

3. *Poliaenus negundo* (Schaeffer, 1905)

Syntypes locality - Syntypes male: United States, Arizona: Huachuca Mts. (USNM). **Distribution** - United States (Arizona), Mexico (Sonora). **Host plants** - *Acer grandidentatum* Nuttall, *A. negundo* Linnaeus (Aceraceae), *Rhus glabra* Linnaeus, *Quercus* sp. (Fagaceae).

Pogonocherus negundo Schaeffer, 1905: 164; 1908a: 331 (distr.); 1909a: 103; Fall, 1910: 7; Craighead, 1923: 123 (larva); Linsley, 1930: 84 (distr.); Lingafelter *et al*., 2014: 104, figs. 115c, d (holotype).

Poliaenus negundo; Linsley, 1935b: 86; Linsley, 1940: 562 (biol.); Linsley, Knull & Statham, 1961: 31 (distr., hosts); Breuning, 1975: 33; Hovore & Giesbert, 1976: 358 (biol.); Linsley & Chemsak, 1985: 174; Cope, 1984: 30 (hosts); Chemsak, Linsley & Noguera, 1992: 123 (cat.); Monné, M.A., 1994d: 6 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 423 (hosts); Monné, M.A., 2002: 55 (cat. hosts); Monné, M.A., 2005: 626 (cat.); Monné, M.A., & Hovore, 2006: 292 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

4. *Poliaenus nuevoleonis nuevoleonis* Chemsak & Linsley, 1975

Type locality - Holotype male: Mexico, Nuevo León: Chipinque Mesa, near Monterrey. (CNCI). **Distribution** - United States (Texas), Mexico (Nuevo León, Durango). **Host plants** - *Quercus* sp. (Fagaceae).

Poliaenus nuevoleonis Chemsak & Linsley, 1975: 279; Linsley & Chemsak, 1985: 176; McNamara, 1984: 733 (type); Chemsak, Linsley & Noguera, 1992: 123 (cat.); Linsley & Chemsak, 1997: 423 (hosts); Monné, M.A., 2002: 55 (cat. hosts).

Poliaenus nuevoleonis nuevoleonis; Skiles, 1979: 107; Linsley & Chemsak, 1985: 177; Monné, M.A., 1994d: 6 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Monné, M.A., 2005: 626 (cat.); Monné, M.A., & Hovore, 2006: 292 (checklist);

Pogonocherus nuevoleonis nuevoleonis; Ruíz Cancino & Coronado Blanco, 2002: 103 (distr., error).

4a. *Poliaenus nuevoleonis similnegundo* Skiles, 1979

Type locality - Holotype female: United States, Arizona; Cochise Co, Madera Canyon (Santa Rita Lodge, 4960 ft). (CASC). **Distribution** - United States (Arizona), Mexico (Durango). **Host plants** - *Quercus hypoleucoides* A. Camus (Fagaceae).

Poliaenus nuevoleonis similnegundo Skiles. 1979: 107; Linsley & Chemsak, 1985: 178; Chemsak, Linsley & Noguera, 1992: 123 (cat.); Monné, M.A., 1994d: 6 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Monné, M.A., 2005: 626 (cat.); Monné, M.A., & Hovore, 2006: 292 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

5. *Poliaenus obscurus obscurus* (Fall. 1910)

Syntypes locality - Syntypes male and female: United States, Arizona, Bright Angel. (MCZN). **Distribution** - United States (Arizona and Southern Nevada). **Host plants** – *Pinus edulis* Engelhorn, *P. monophylla* Torrey & Frémont (Pinaceae).

Pogonocherus obscurus Fall, 1910: 5

Pogonocherus (Pityphilus) obscurus; Linsley, 1930: 85

Poliaenus obscurus; Linsley, 1935b: 84; Linsley, Knull & Statham, 1961: 31 (distr.); Breuning, 1975: 37 (revis); Lewis, 1979: 25 (distr.,hosts); Linsley & Chemsak, 1985: 178; Chemsak, Linsley & Noguera, 1992: 123 (cat.); Monné, M.A., & Hovore, 2006: 292 (checklist);

Poliaenus obscurus obscurus; Linsley & Chemsak, 1985: 179; Monné, M.A., 1994d: 6 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 423 (hosts); Monné. M;A. & Hovore, 2006: 292

5a. *Poliaenus obscurus albidus* Linsley, 1933

Type locality - Holotype male: United States, California: Havilah, Kern County; (CACS). **Distribution** - United States (California: Sierra Nevada and Coast Range Foothills) **Host plants –** *Pinus sabiniana* Douglas ex D. Don (Pinaceae)

Poliaenus albidus Linsley, 1933b: 184; 1935: 83 (distr.); Linsley & Usinger. 1936: 52; Breuning, 1975: 37 (rev.);

Poliaenus obscurus albidus; Linsley & Chemsak, 1985: 181, fig. 39; Chemsak, Linsley & Noguera, 1992: 123 (cat.); Monné, M.A., 1994d: 6 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak. 1997: 423 (hosts); Monné, M.A., & Hovore, 2006: 292 (cat.)

5b. *Poliaenus obscurus ponderosae* Linsley, 1935

Type locality - Holotype male: United States, California: Carville, Trinity County (CACS). **Distribution** - United States (Montane California) **Host plants** – *Pinus edulis* Engelhorn, *P. jeffreyi* Balfour, *P. ponderosae* Douglas ex Lawson & P. Lawson (Pinaceae)

Pinus obscurus ponderosae

Poliaenus obscurus ponderosae Linsley, 1935b: 85, pl. 1, fig. 4; Breuning, 1975: 38 (rev.); Linsley & Chemsak, 1985: 180, fig. 38; Chemsak, Linsley & Noguera, 1992: 123 (cat.); Monné, M.A., 1994d: 6 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 423 (hosts); Monné, M.A., & Hovore, 2006: 292 (checklist); Westcott, LaBonte, Parsons & Johnson, 2006: 10 (distr., hosts)

5c. *Poliaenus obscurus schaefferi* Linsley, 1933

Type locality - Holotype: United States, California: \Ventura County (AMNH). **Distribution** - United States (Coastal southern California to Panamint Mts.). **Host plants –** *Pinus cembroides* Zuccarini, *P. coulteri* D.Don, *P. edulis* Engelhorn, *P. monophylla* Torrey & Frémont, *P. parryana* Engelmann, *P. ponderosae* Douglas ex Lawson & P. Lawson (Pinaceae)

Pogonocherus vandykei Schaeffer, 1932: 153 (preoccupied)

Poliaenus schaefferi Linsley, 1933b: 184; 1935: 85; Doane *et al*., 1936: 190 (host); Tyson, 1970: 298 (distr., hosts); Breuning, 1975: 33 (revis.)

Poliaenus obscurus schaefferi; Linsley & Chemsak, 1985: 181; Chemsak, Linsley & Noguera, 1992: 123 (cat.); Monné, M.A., 1994d: 6 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 423 (hosts); Monné, M.A., & Hovore, 2006: 292 (cat.); Monné, M.A., & Hovore, 2006: 292 (checklist);

6. *Poliaenus oregonus* LeConte, 1861

Type locality - Holotype: United States, Oregon, East of Fort Coville. (MCZN). **Distribution** - Pacific Coast of North America from British Columbia to southern California and Rocky Mountains region south from Montana to Colorado and Utah. In Canada, it is known from the Fraser River in British Columbia to southwestern Alberta, north to the Fort St. James area in central British Columbia. **Host plants** – *Abies concolor* Gordon & Glen, *A. grandis* (Lambert) Lindley, *A. magnifica* A. Murray, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Pogonocherus oregonus LeConte, 1861: 354; 1873a: 237; Horn, 1878: 42; LeConte & Horn, 1883: 323; Leng & Hamilton, 1896: 136; Fall, 1901: 151 (distr.); 1910: 7; Garnett, 1918: 283 (distr.); Van Dyke, 1920: 47 (distr.); Linsley, 1930: 84; Hopping, 1931: 106 (distr,); Beaulne, 1932: 221 (hosts); Papp, 1955: 220 (distr.)

Poliaenus oregonus; Linsley, 1935b: 84, pl. 1, fig. 6; Doane *et al*., 1936: 190 (hosts); Keen, 1938: 37; Tyson, 1966: 206 (hosts); Hatch, 1971: 152, pl. 18, fig. 5; Breuning, 1975: 36 (revis.); Furniss & Carolin, 1977: 313 (biol.); Linsley & Chemsak, 1985: 172, fig. 36; Chemsak, Linsley & Noguera, 1992: 123 (cat.); Monné, M.A., 1994d: 7 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 424 (hosts); Heffern, 1998: 21 (distr.); Monné, M.A., & Hovore, 2006: 292 (checklist);Rice, MacRae & Merickel, 2017: 671 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 157, pl. 36

***Zaplous* LeConte, 1878**

Zaplous LeConte, 1878: 415; LeConte & Horn, 1883: 327; Leng & Hamilton, 1896: 140; Bradley, 1930: 245; Linsley, 1935b: 77; Arnett, 1962: 871, 891; Zayas, 1975: 210; Breuning, 1975: 10, 47; Linsley & Chemsak, 1985: 163; Monné, M.A., 1994d: 2 (cat.); Monné, M.A., 2005: 627 (cat.); Monné, M.A., & Hovore, 2006: 293 (checklist); Monné, M.A., 2012: 117.
Type-species - *Zaplous hubbardi* LeConte, 1878 (monotypy) [= *Ecyrus annulatus* Chevrolat, 1862].

P

1. *Zaplous annulatus* (Chevrolat, 1862)

Type locality - Holotype: Cuba. (BMNH). **Distribution** - Southern United States (North Carolina to Florida and Louisiana), Cuba. **Host plants** - *Ilex* sp. (Aquifoliaceae).

Ecyrus annulatus Chevrolat, 1862: 250.

Zaplous annulatus; Gahan, 1895: 124; Leng & Mutchler, 1914: 449 (distr.); Linsley, 1935b: 77; Breuning, 1975: 48, fig. 5; Zayas, 1975: 211; Turnbow & Hovore, 1979: 226 (distr.); Turnbow & Franklin, 1980: 346 (distr.); Linsley & Chemsak, 1985: 165; Chemsak, Linsley & Noguera, 1992: 123 (cat.); Monné, M.A., 1994d: 2 (cat.); Monné, M.A., & Giesbert, 1994: 211 (cat.); Linsley & Chemsak, 1997: 454 (hosts); Peck & Thomas, 1998: 121 (distr.); Monné, M.A., 2005: 627 (cat.); Peck, 2005: 176 (distr.); Monné, M.A., & Hovore, 2006: 293 (checklist);De vesa, Barro & Fonseca, 2019: 85, 92, figs

Zaplous hubbardi LeConte, 1878: 415; LeConte & Horn, 1883: 327; Lameere, 1883: 63 (cat.); Leng & Hamilton, 1896: 140.
Syntypes locality – Syntypes: United States, Florida: Enterprise. (MCZN).

PTEROPLIINI Thomson, 1860

Pteroplitae Thomson, 1860: 3 (key), 43 (key), 73.

Type-genus: *Pteroplius* Lacordaire, 1830.

Type-species: *Pteroplius acuminatus* Audinet-Serville, 1835 designated by Thomson (1864: 107). Comment: *Pteroplius* is an incorrect subsequent spelling of *Pterhoplius* Lacordaire, 1830, introduced by Audinet-Serville (1835: 65), in prevailing usage and attributed to Lacordaire (1830), and so deemed to be the correct original spelling (Article 33.3.1). 2) Thomson (1860: 73) used *Pteroplia*, an incorrect subsequent spelling of *Pteroplius* Lacordaire, 1830 not in prevailing usage.

Ptéropliides; Lacordaire, 1872: 595.

Pteropliini; Aurivillius, 1922a: 290 (cat.); Breuning, 1961b: 5 (rev.); Villiers, 1980b: 551; Monné, M.A., 1994c: 62 (cat.); Monné, M.A., 2005: 631 (cat.); Bousquet *et al*., 2009: 36; Bouchard *et al*., 2011: 500.

Hebestolitae Thomson, 1864: 107 (*partim*); 1868b: 116 (*partim*).

Niphoninae Pascoe, 1864: 7, 56.

Type-genus: *Niphona* Mulsant, 1839

Type-species: *Niphona picticornis* Mulsant, 1839 (monotypy).

Abrynitae Thomson, 1864: 44.

Type-genus: *Abryna* Newman, 1842
Type-species: *Abryna coenosa* Newman, 1842 designated by Thomson (1864: 44).
Protorhopalitae Thomson, 1864: 69.
Type-genus: *Protorhopala* Thomson, 1860.
Type-species: *Lamia sexnotata* Klug, 1833 (monotypy).
Ataxiini; LeConte, 1873b: 344; Bates, 1880: 112; LeConte & Horn, 1883: 329; Aurivillius, 1922a: 291 (cat.); Bradley, 1930: 242, 244; Linsley & Chemsak, 1985: 123.
Ataxiides Lacordaire, 1872: 414 (key), 597.
Type-genus: *Ataxia* Haldeman, 1847.
Type-species: *Ataxia sordida* Haldeman, 1847 (monotypy). Availability (under Article 11.7.2): Ataxiini Lacordaire, 1872 (Aurivillius 1922a: 291).
Emphytoeciides Lacordaire, 1872: 416 (key), 713.
Type-genus: *Emphytoecia* Fairmaire and Germain, 1860
Type-species: *Agapanthia suturella* Blanchard, 1851 designated by Thomson (1864: 115). Availability (under Article 11.7.2):
Hebestolitae Thomson, 1864: 107 (*partim*); 1868b: 116 (*partim*).
Niphoninae Pascoe, 1864: 7, 56.
Type-genus: *Niphona* Mulsant, 1839
Type-species: *Niphona picticornis* Mulsant, 1839 (monotypy).
Abrynitae Thomson, 1864: 44.
Type-genus: *Abryna* Newman, 1842
Type-species: *Abryna coenosa* Newman, 1842 designated by Thomson (1864: 44).
Protorhopalitae Thomson, 1864: 69.
Type-genus: *Protorhopala* Thomson, 1860.
Type-species: *Lamia sexnotata* Klug, 1833 (monotypy).
Baroeides Lacordaire, 1872: 414 [as Baréides] (key), 439.
Type-genus: *Baraeus* Thomson, 1858.
Type-species: *Baraeus aurisecator* Thomson, 1858 (monotypy). Availability (under Article 11.7.2): Baraeini Lacordaire, 1872 (Aurivillius 1922a: 206). Comment: Lacordaire (1872: 439) used *Baroeus*, an incorrect subsequent spelling of *Baraeus* Thomson, 1858 not in prevailing usage.
Atossides Lacordaire, 1872: 414 (key), 496.
Type-genus: *Atossa* Thomson, 1864
Type-species: *Atossa strenua* Thomson, 1864 (original designation). Availability (under Article 11.7.2): Atossini Lacordaire, 1869 [lapsus for 1872] (Aurivillius 1922a: 149).
Metagnomini Aurivillius, 1925*a*: 13.
Type-genus: *Metagnoma* Aurivillius, 1925
Type-species: *Metagnoma singularis* Aurivillus, 1925 (monotypy)

Ataxia Haldeman, 1847

Ataxia Haldeman, 1847a: 56; Thomson, 1864: 108; 1865: 394; Lacordaire, 1872: 599; LeConte, 1873b: 344; Bates, 1885: 347; Hamilton *in* Leng & Hamilton, 1896: 142; Bradley, 1930: 244; Knull, 1946: 266; Breuning, 1961b: 42 (rev.); Arnett, 1962: 870, 892; Zayas, 1975: 182; Marinoni, 1977a: 42; Linsley & Chemsak, 1985: 124; Monné, M.A., 1994c: 67 (cat.); Monné, M.A., 2005: 632 (cat.); Monné, M.A., & Hovore, 2006: 294 (checklist); Monné, M.A., 2012: 118.

Type-species - *Ataxia sordida* Haldeman, 1847 (monotypy) [= *Lamia crypta* Say, 1832].

Proecha Thomson *in* Chevrolat, 1862: 252; Thomson, 1864: 107; 1865: 394; Lacordaire, 1872: 598; Zayas, 1975: 180.

Type-species - *Proecha spinipennis* Chevrolat, 1862 (original designation).

Parysatis Thomson, 1868b: 118; Lacordaire, 1872: 599; Bates, 1880: 112.
Type-species - *Parysatis collaris* Thomson, 1868 (subsequent designation, Linsley & Chemsak, 1985: 124).
Parepectasis Bruch, 1926: 344.
Type-species - *Parepectasis luteifrons* Bruch, 1926 (original designation).
Stenidea; Haldeman, 1847b: 373 (not Mulsant, 1842).
Stenosoma; LeConte, 1852: 158 (not Mulsant, 1839).
Esthlogena; Bates, 1866: 289 (not Thomson, 1864).

1. *Ataxia arizonica* Fisher, 1920

Type locality - Holotype male: United States, Arizona: Sabino Canyon. (USNM). **Distribution** - United States (southern Arizona), northwestern Mexico (Baja California).
Ataxia arizonica Fisher, 1920: 158; Linsley, 1934a: 63 (distr.); 1942: 77; Breuning, 1961b: 335; 19161a: 49 (revis.); Linsley & Chemsak, 1985: 133; Hovore, 1988: 28 (distr.); Chemsak, Linsley & Noguera, 1992: 117 (cat.); Monné, M.A., 1994c: 68 (cat.); Monné, M.A., & Giesbert, 1994: 207 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Monné, M.A., 2005: 633 (cat.); Monné, M.A., & Hovore, 2006: 294 (checklist); Lingafelter *et al*., 2014: 19, figs. 19u, v (type);); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

2. *Ataxia brunnea* Champlain & Knull, 1926

Type locality - Holotype female: United States, Northern Illinois. (FMNH). **Distribution** – Canada (Ontario, Manitoba), United States (Minnesota to Illinois, Texas), Mexico (Tamaulipas).
Ataxia brunnea Champlain & Knull, 1926: 206; Chemsak, 1977a: 173 (types); Linsley & Chemsak, 1985: 128; Chemsak, Linsley & Noguera, 1992: 117 (cat.); MacRae, 1993: 243 (distr.); Monné, M.A., 1994c: 68 (cat.); Monné, M.A., & Giesbert, 1994: 207 (cat.); Yanega, 1996: 130, pl. 25, fig. 282; Schiefer, 1998a: 279, fig.1; 1998b: 124 (distr.); Androw & Keeney, 1999: 5 (distr.); Monné, M.A., & Hovore, 2006: 294 (checklist);Rice & Veal, 2006: 260 (distr.); MacRae & Rice, 2007: 250 (distr.); García Morales *et al*., 2015: 110 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 154, pl. 35;); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495
Esthlogena (Pseudotaxia) brunnea; Breuning, 1961: 40 (rev.).
Esthlogena brunnea; Gosling & Gosling, 1976: 22 (distr); Turnbow & Wappes, 1981: 79 (distr,).

3. *Ataxia crypta* (Say, 1832)

Type locality - Holotype: United States, Louisiana (Depository unknown). **Distribution** - Eastern United States from Pennsylvania to Florida, westward to Kansas and Texas, eastern Mexico. **Host plants** - *Acer* sp. (Aceraceae), *Ambrosia* sp., *Verbesina* sp., *Xanthium* sp. (Asteraceae), *Celtis* sp. (Cannabaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Sophora secundiflora* (Ortega) de Candolle (Fabaceae), *Castanea* sp., *Quercus* sp. (Fagaceae), *Gossypium* sp. (Malvaceae), *Vachellia farnesiana* (Linnaeus) Wight. & Arn., (Mimosaceae), *Ficus* sp. (Moraceae), *Karwinskia humboldtiana* (Roemer & Schultes) Zuccarini (Rhamnaceae), *Prunus* sp., *Pyrus* sp. (Rosaceae), *Zanthoxylum clava-herculis* Linnaeus (Rutaceae), *Salix nigra* Marshall (Salicaceae), *Sideroxylon foetidissimum* (Jacquin) H.J.Lam (Sapotaceae), *Smilax* sp. (Smilacaceae).
Lamia crypta Say, 1832: 5; LeConte, 1859b: 302.
Amniscus ? cryptus; Haldeman, 1847a: 47.
Leptostylus cryptus; LeConte, 1852: 170.
Amniscus cryptus; White, 1855: 393.
Stenosoma crypta; LeConte, 1859b: 302.
Ataxia crypta; LeConte, 1873b: 344; Popenoe, 1877: 34 (distr.); Snow, 1878: 67 (distr.); Riley, 1880a: 271 (*partim*); LeConte & Horn, 1883: 329; Bates, 1885: 347 (distr.); Packard, 1890: 221 (biol.); Beutenmuller, 1896: 80 (hosts); Leng & Hamilton, 1896: 143 (*partim*); Wickham, 1898c: 41 (distr.); Griffith, 1900: 569 (distr.); Ulke, 1903: 27 (distr.); Townsend, 1903: 79 (distr.); Hunter & Hinds, 1905: pl. 12, fig. 55; Felt, 1906: 702 (biol.); Fall &

Cockerell, 1907: 194 (distr.); Morgan, A. C., 1907: 63, pl. 3 (biol.); Fall, 1907: 85; Schaeffer, 1908a: 328 (distr.); Horton, 1917: 371; Blatchley, 1918: 56; Dozier, 1918: 335 (distr.); Herrick, 1920: 129 (hosts); Craighead, 1923: 133, pl. 5, fig. 6, pl. 7, fig. 14, pl. 13, fig. 23, pl. 23, figs 1, 2, pl. 31, fig, 4 (larva, *partim*); Kirk & Knull, 1926: 45 (distr.); Beaulne, 1932: 221 (hosts); Linsley & Martin, 1933: 183 (distr.); Brimley, 1938: 219 (distr.); Beal & Massey, 1945: 113b (biol.); Loding, 1945: 124 (distr.); Knull, 1946: 266, pl. 21, fig. 85; Fattig, 1947: 40 (biol.); Hargreaves, 1948: 11 (hosts); Vogt, 1949: 184 (distr.); Breuning, 1961b: 45; Hovore, Penrose & Giesbert, 1978: 96; Turnbow & Hovore, 1979: 226 (hosts); Turnbow & Franklin, 1980: 346 (distr.); Turnbow & Wappes, 1981: 79; Waters & Hyche, 1984: 285 (biol.); Linsley & Chemsak, 1985: 129; Rice, 1985: 1224 (hosts); Hovore, Penrose & Neck, 1987: 312 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 117 (cat.); Lingafelter & Horner, 1993: 182 (distr.); MacRae, 1993: 243 (distr.); Monné, M.A., 1994c: 69 (cat.); Monné, M.A., & Giesbert, 1994: 207 (cat.); Noguera & Chemsak, 1996: 405 (cat.); Browne & Peck, 1996: 2159, 2160 (distr.); Tavakilian, 1997: 130 (syn.); Linsley & Chemsak, 1997: 347 (hosts); Schiefer, 1998b: 124 (distr.); Monné, M.A., 2002: 57 (cat. hosts); Monné, M.A., 2005: 634 (cat.); Monné, M.A., & Hovore, 2006: 294 (checklist); Holt, 2013 254 (distr.).; Vlasak & Vlasakova, 2021: 4, 20;); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

Saperda annulata Fabricius, 1801: 326 (not Fabricius, 1793); Schoenherr, 1817; 433; Zimsen, 1964: 176 (type).

Type locality - Holotype female: America meridionali. (ZMUK).

Ataxia sordida Haldeman, 1847a: 56; Thomson, 1864: 108; Lacordaire, 1872: 599.

Stenosoma sordidum; LeConte, 1852: 158; 1858; 41; Bland, 1861: 100 (distr.).

Type locality - Holotype: United States, Alabama. (MCZN).

4. *Ataxia falli* Breuning. 1961

Syntypes locality - Syntypes: United States, Florida: Key Largo. (MCZN). **Distribution** - United States (Southern Florida). **Host plants-** *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae), *Bursera simaruba* (L.) Sarg. (Burseraceae), *Piscidia piscipula* (Linnaeus) Sargent (Fabaceae), *Rhizophora mangle* Linnaeus (Rhizophoraceae)

Ataxia sulcata Fall, 1907: 84; Craighead, 1923: 133 (larva); Linsley, 1958: 111 (preoccupied)

Ataxia falli Breuning, 1961a: 225 (cat., *nomen nov.*); 1961b: 48 (revis.); Chemsak, 1972: 150 (hosts); Turnbow & Hovore, 1979: 226 (hosts); Turnbow & Franklin, 1980: 348; Linsley & Chemsak, 1965: 130, fig. 29; Chemsak, Linsley & Noguera, 1992: 117 (cat.); Monné, M.A., 1994c: 69 (cat,); Monné, M.A., & Giesbert, 1994: 207 (cat.); Browne & Peck, 1996: 2159 (distr.); Linsley & Chemsak, 1997: 348 (hosts); Peck & Thomas, 1998: 122 (distr.); Monné, M.A., & Hovore, 2006: 294 (checklist); Haack. 2017: 113 (hosts); Vlasak & Vlasakova, 2021: 4, 21

5. *Ataxia hubbardi* Fisher, 1924

Type locality - Holotype male: United States, Arizona: Tucson. (USNM). **Distribution** - Central United States from Nebraska to Arizona and Texas, northeastern Mexico (Tamaulipas). **Host plants** - *Apocynum cannabinum* Linnaeus (Apocynaceae), *Ambrosia psilostachya* de Candolle, *Cirsium* sp., *Erigeron* sp., *Helianthus annuus* Linnaeus, *Silphium terebinthinaceum* Jacquin, *Verbesina* sp., *Vernonia interior* Small, *Xanthium* sp. (Asteraceae), *Ipomoea leptophylla* Torrey (Convolvulaceae), *Glycine max* (Linnaeus) Merrill (Fabaceae), *Gossypium thurberi* Todaro (Malvaceae), *Thurberia* sp. (Poaceae), *Smilax* sp. (Smilacaceae).

Ataxia hubbardi Fisher, 1924: 253; Kelly, 1931: 163 (biol.); Linsley & Martin, 1933: 183 (distr.); Williams, 1941a: 271 (biol.); Schwitzgebel & Wilbur, 1942: 38, figs 1, 4 (biol.); Vogt, 1949: 184 (distr.); Harris & Piper, 1970: 27 (biol.); Rogers, 1977b: 833, fig. 6 (biol.); Rogers & Serda, 1979: 546 (biol.); Linsley & Chemsak, 1985: 125, fig. 28; Hovore, Penrose & Neck, 1987: 311, fig. 10 (biol.); Chemsak, Linsley & Noguera, 1992: 117 (cat.); Lingafelter & Horner, 1993: 182 (distr.); MacRae, 1993: 243 (distr.); Monné, M.A., 1994c: 70 (cat.);

Monné, M.A., & Giesbert, 1994: 207 (cat.); Heffern, 1998: 20 (distr., hosts); Monné, M.A., 2002: 58 (cat. hosts); Monné, M.A., 2005: 635 (cat.); Rice & Veal, 2006: 260 (distr.); Monné, M.A., & Hovore, 2006: 294 (checklist); Lingafelter *et al*., 2014: 77, figs. 83u, v (holotype); García Morales *et al*., 2015: 110 (distr.); Haack, Keena & Eyre, 2017: 81 (biol.); Haack, 2017: 111 (biol., hosts);

Esthlogena (Pseudotaxia) hubbardi; Breuning, 1961b: 40.

Ataxia crypta; Riley, 1880a: 271 (*partim*); Leng & Hamilton, 1896: 143 (*partim*); Sanderson, 1906: 38; Morgan, A. C., 1907: 63; Craighead, 1923: 133 (*partim*).

6.*Ataxia spinicauda* Schaeffer, 1904

Syntypes locality - Syntypes: United States, Florida: Key Largo. (USNM). **Distribution** - United States (Florida), Bahamas, Cuba, Jamaica, Cayman Islands. **Host plants** - *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae).

Ataxia spinicauda Schaeffer, 1904: 224; Fall, 1907: 85; Schaeffer, 1908a: 350; Gowdey, 1926: 22 (distr.); Cazier & Lacey, 1952: 47; Breuning, 1961b: 46; Zayas, 1975: 184, pl. 24, fig. d; Turnbow & Hovore, 1979: 226 (distr.); Linsley & Chemsak, 1985: 132; Hovore, Penrose & Neck, 1987: 323 (distr.); Chemsak, Linsley & Noguera, 1992: 117 (cat.); Browne, Peck & Ivie, 1993: 48 (distr.); Monné, M.A., 1994c: 72 (cat.); Monné, M.A., & Giesbert, 1994: 207 (cat.); Browne & Peck, 1996: 2159, 2160 (distr.); Linsley & Chemsak, 1997: 348 (hosts); Peck & Thomas, 1998: 122 (distr.); Monné, M.A., 2002: 59 (cat. hosts); Monné, M.A., 2005: 637 (cat.); Peck, 2005: 175 (distr.); Aragón, 2006: 54 (distr.); Monné, M.A., & Hovore, 2006: 294 (checklist); Turnbow & Thomas, 2008: 16 (distr.); Thomas, Turbow & Steiner, 2013: 18 (distr.); Lingafelter *et al*., 2014: 322, figs. 158g, h (holotype).; Devesa, Barro & Fonseca. 2019: 23, 72, 74, figs 1-13

SAPERDINI Mulsant, 1839

Saperdaires Mulsant, 1839: 181; 1863: 370

Type-genus: *Saperda* Fabricius, 1775

Type-species: *Cerambyx carcharias* Linnaeus. 1758 (Guérin-Méneville designation, 1829: 151)

Saperditae; Blanchard. 1853: 288; Thomson, 1860: 40; 1864; 114

Saperdinae; Pascoe. 1864: 8; 1866: 327

Saperdini; LeConte, 1873b: 345; LeConte & Horn, 1883: 331; Harrington, 1899a: 62; Chagnon. 1938: 275; Breuning, 1952: 107; Dillon & Dillon, 1961: 646; Monné, M.A., 1995b: 36 (cat.); Linsley & Chemsak, 1995: 161; Bouchard, 2011: 501; Souza, Marinoni, Monné, M.L. & Gómez-Zurita, 2020: 14

Gleneitae Thomson, 1864: 123

Gleneini; Aurivillius, 1923: 494

Type-genus: *Glenea* Newman, 1842

Type-species: *Saperda 9guttata* Guérin-Méneville, 1831 (subsequent designation, Thomson, 1879:1)

Obereitae Thomson, 1864: 117

Obereinae Pascoe, 1864: 81, 85.

Obereini; Sama, 2008: 237; Bousquet *et al*., 2009: 33; Bouchard *et al*., 2011: 497.

Type-genus: *Oberea* Dejean, 1835

Type-species: *Cerambyx oculatus* Linnaeus, 1758 designated by Thomson (1864: 121).

Phytoeciaires Mulsant, 1839: 165 (key), 191.

Type-genus: *Phytoecia* Mulsant, 1839.

Type-species: *Cerambyx cylindricus* Linnaeus, 1758 designated by Thomson (1859: 153). Availability (under Article 11.7.2): Phytoeciini Mulsant, 1839 (Villiers 1978: 521).

Phytoeciites Fairmaire *in* Jacquelin DuVal, 1864: 171, 194.

Phytoeciinae; Pascoe, 1864: 8, 1867: 362.

Phytoeciides vrais; Lacordaire, 1872: 849.

Phytoeciini; LeConte, 1873b: 346; Bates, 1881a: 202; LeConte & Horn, 1883: 332; Blatchley, 1910: 1089; Bradley, 1930: 243, 247; Chagnon, 1938: 278; Knull, 1946: 274; Duffy, 1953:

292; Linsley, 1961: 633; Arnett, 1962: 873; Chagnon & Robert, 1962: 278 (*partim*); Hatch, 1971: 147; Rice & Enns, 1981: 104; Linsley & Chemsak, 1995: 201; Monné, M.A., 2005: 613 (cat.); Bousquet *et al*, 2009: 35; Bouchard *et al*., 2011: 499.

***Mecas* LeConte, 1852**

Mecas LeConte, 1852: 155; Thomson, 1864: 114; 1865: 397; LeConte, 1873b: 347; Horn, 1878: 44; Bates, 1881a: 203; LeConte & Horn, 1883: 332; Leng & Hamilton, 1896: 151; Blatchley, 1910: 1090; Casey, 1913: 360; Bradley, 1930: 247; Knull, 1946: 274; Breuning, 1956: 138 (rev.); 1960b: 4; Dillon & Dillon, 1961: 652; Arnett, 1962: 873, 893; Hatch, 1971: 155; Chemsak & Linsley, 1973: 147 (rev.); Linsley & Chemsak, 1995: 202; Monné, M. A., 2005: 613 (cat.); Monné, M.A., 2012: 116.

Type-species - *Phytoecia femoralis* Haldeman, 1847 (monotypy).

Mecas (Mecas) LeConte, 1852

Mecas (Mecas); Chemsak & Linsley, 1973: 159; Monné, M.A., 1995b: 37 (cat.); Linsley & Chemsak, 1995: 208; Monné, M. A., 2005: 613 (cat.); Monné, M.A. & Hovore, 2006: 289 (checklist);

1. *Mecas (Mecas) bicallosa* Martin, 1924

Type locality - Holotype male: United States, California: Lassen Co., Martin Springs. (CASC). **Distribution** – From southern British Columbia to Kansas, south to Colorado and northern Baja California in Mexico. **Host plants** - *Artemisia tridentata* Nuttall, *Engelmannia pinnatifida* A. Gray ex Nuttall (Asteraceae).

Mecas bicallosa Martin, 1924: 244; Knowlton, 1930: 76 (distr.); Moore, 1937: 92 (distr.); Knowlton & Wood, 1950: 13 (distr.); Barr & Penrose, 1969: 90 (distr.); Ruette, 1970: 20 (types); Hatch, 1971: 156 (distr.); Hovore, 1988: 25 (distr.); Chemsak, Linsley & Noguera, 1992: 152 (cat.); Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 37 (cat.); Monné, M.A., 2002: 49 (cat. hosts); Monné, M.A. & Hovore, 2006: 289 (checklist); Rice, MacRae & Merickel, 2017: 671 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 176, pl. 43.

Saperda bicallosa; Breuning, 1956: 139, 140.

Mecas (Mecas) bicallosa; Chemsak & Linsley, 1973: 172 (rev.); Linsley & Chemsak, 1995: 215, fig. 41; Noguera & Chemsak, 1996: 407 (cat.); Linsley & Chemsak, 1997: 394 (hosts); Heffern, 1998: 22 (distr.); Monné, M.A., 2005: 614 (cat.); MacRae & Rice, 2007: 255 (distr., hosts);); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

2. *Mecas (Mecas) cana cana* (Newman, 1840)

Syntypes locality - Syntypes: United States, Florida: St. John's Bluff. (BMNH). **Distribution** - United States (Florida, South Dakota), northeastern Mexico. **Host plants** - *Ambrosia* sp., *Flaveria linearis* Lagerheim (Asteraceae).

Saperda cana Newman, 1840: 12; LeConte, 1852: 164; Lacordaire, 1872: 834.

Mecas cana; Gahan, 1888b: 300 (syn.); Leng & Hamilton, 1896: 152; Knaus, 1901: 112 (distr.); Casey, 1913: 360; Loding, 1933: 149 (distr.); 1945: 125 (distr.); Breuning, 1956: 148; Genung & Green, 1983: 207 (biol.); Chemsak, Linsley & Noguera, 1992: 152 (cat.).

Mecas (Mecas) cana cana; Chemsak & Linsley, 1973: 178; Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 37 (cat.); Linsley & Chemsak, 1995: 219; 1997: 394 (hosts); Peck & Thomas, 1998: 124 (distr.); Monné, M.A., 2002: 49 (cat. hosts); Monné, M.A., 2005: 614 (cat.); Monné, M.A. & Hovore, 2006: 289 (checklist); Klingeman *et al*., 2017: 299;); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

2a. *Mecas (Mecas) cana saturnina* (LeConte, 1859)

Type locality - Holotype: United States, Kansas. (MCZN). **Distribution** - United States (Alabama to South Dakota), northeastern Mexico (Tamaulipas). **Host plants** - *Ambrosia* sp.,

Gaillardia sp., *Helenium tenuifolium* Nuttall, *Helianthus annuus* Linnaeus, *H. maximiliani* Schrader, *H. tuberosus* Linnaeus, *Xanthium strumarium* Linnaeus (Asteraceae).

Stenostola saturnina LeConte, 1859a: 21.

Mecas saturnina; Planchard, 1887: 86; Horn, 1888: 301; Gahan, 1888b: 300; Casey, 1913: 361; Knaus, 1914: 91; Knowlton & Thatcher, 1936: 281 (distr.); Breuning, 1956: 146 (rev.); Wilson, 1960: 62; Stride & Warwick, 1962: 112 (biol.); Stride & Straatman, 1963: 446 (biol.); Kirk & Balsbaugh, 1975: 100 (distr.); Rogers, 1977b: 834 (biol.); Goeden, 1978: 384; Hilgendorf & Goeden, 1981: 103 (biol.).

Mecas (Mecas) cana saturnina; Chemsak & Linsley, 1973: 179; Rice & Enns, 1981: 105 (distr., hosts); Hovore, Penrose & Neck, 1987: 321 (distr., hosts); Rice, 1989b: 414; Chemsak, Linsley & Noguera, 1992: 152 (cat.); Lingafelter & Horner, 1993: 186 (distr., hosts); MacRae, 1993: 186 (distr.); Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 37 (cat.); Linsley & Chemsak, 1995: 219; Noguera & Chemsak, 1996: 407 (cat.); Linsley & Chemsak, 1997: 395 (hosts); Heffern, 1998: 22 (distr.); Monné, M.A., 2002: 49 (cat. hosts); Monné, M.A., 2005: 614 (cat.); Monné, M.A. & Hovore, 2006: 289 (checklist);García Morales *et al*., 2015: 110 (distr.);); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

Mecas cana saturnina; Haack, 2017: 111; Haack, Keena & Eyre, 2017: 81

Mecas brevicollis Casey, 1913: 362; Knaus, 1914: 91; Lingafelter *et al*., 2014: 32, figs. 33c, d (holotype).

Type locality - Holotype: United States, Kansas. (USNM).

Mecas inornata; Packard, 1872: 594, fig. 121; Popenoe, 1877: 34 (distr.); Snow, 1877: 19 (distr.); 1878: 67 (distr.); Horn, 1878: 44; Riley, 1880a: 271; Townsend, 1885: 70 (distr.); Horn, 1888: 301; Packard, 1890: 427, 599, fig. 156 (biol.); Dury, 1902: 163 (distr.); Baerg, 1921: 99 (biol.); Schwitzgebel & Wilbur, 1942: 43 (hosts); Loding, 1945: 125 (distr.); Knull, 1946: 274; Dillon & Dillon, 1961: 652, pl. 65, No 17; Rogers, 1977b: 833, figs 1-5 (biol.); Rogers & Serda, 1979: 546 (biol.) (not Say, 1824).

3. *Mecas (Mecas) cineracea* Casey, 1913

Type locality - Lectotype female: United States, Texas: Harris Co. (USNM). **Distribution** – Canada (Saskatchewan), southeastern United States to Arizona and Colorado, northeastern Mexico. **Host plants** - *Baileya multiradiata* Harvey & Gray, *Helenium microcephalum* de Candolle, *Ratibida pinnata* Barnhart (Asteraceae).

Mecas cineracea Casey, 1913: 361; Vogt, 1949: 184 (biol.); Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 105 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 152 (cat.); Lingafelter & Horner, 1993: 186 (distr.); MacRae, 1993: 248 (distr.); Linsley & Chemsak, 1997: 394 (hosts); Burne, 1998: 393 (distr.); Monné, M.A., 2002: 50 (cat. hosts); Rice & Veal, 2006: 261 (distr.); Monné, M.A. & Hovore, 2006: 289 (checklist); Lingafelter *et al*., 2014: 41, figs. 43c, d (lect. designation); Spomer, 2014: 202 (distr.); Bousquet, Laplante, Hammond & Langor. 2017: 177, pl. 43.

Saperda cineracea; Breuning, 1956: 139.

Mecas (Mecas) cineracea; Chemsak & Linsley, 1973: 166 (rev.); Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 38 (cat.); Linsley & Chemsak, 1995: 212; Heffern, 1998: 22 (distr.); Schieffer, 1998: 127 (distr.); Monné, M.A., 2005: 615 (cat.); MacRae & Rice, 2007: 255 (distr.); Holt, 2013: 254 (distr., hosts);); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 495

4. *Mecas (Mecas) confusa* Chemsak & Linsley, 1973

Type locality - Holotype male: United States, Texas: Luling, Gonzales County. **Distribution** - United States (Kansas to Texas) **Host plants** – *Helianthus annuus* Linnaeus, *Heterotheca lamarckii* Cassini (Asteraceae)

Mecas (Mecas) confusa Chemsak & Linsley, 1973: 163, fig. 8; Hovore, Penrose & Neck, 1987: 20; Monné, M.A., & Giesbert, 1994: 2756 (cat.); Monné, M.A., 1995b: 38 (cat.); Linsley & Chemsak, 1995: 209, fig. 40; 1997: 394 (hosts); Monné, M.A., 1995b: 38 (cat.); Monné, M.A. & Hovore, 2006: 289 (checklist);

Mecas confusa; Chemsak, Linsley & Noguera, 1992: 152 (cat.); Lingafelter & Horner, 1993: 285 (distr.)

5. *Mecas (Mecas) femoralis* (Haldeman, 1847)

Type locality - Holotype: United States. (MCZN). **Distribution** - Southeastern United States, North Carolina to Florida.

Phytoecia femoralis Haldeman, 1847a: 57; Melsheimer, 1853: 112 (cat.)

Oberea femoralis; LeConte, 1852: 153

Mecas femoralis; LeConte, 1852: 155; Thomson, 1864: 114; Horn, 1878: 44; Leng & Hamilton, 1896: 152; Wickham, 1909b: 402 (distr.); Casey, 1913: 360; Blatchley, 1920b: 263 (distr.); Brimley, 1938: 219 (distr.); Fattig. 1947: 43 (distr.); Breuning, 1956: 142 (revis.); Turnbow & Hovore, 1979: 227 (biol.); Turnbow & Franklin, 1980: 246 (distr.); Chemsak, Linsley & Noguera, 1992: 152 (cat.); Peck & Thomas, 1998: 124 (distr.)

Mecas (Mecas) femoralis; Chemsak & Linsley, 1973: 165 (revis.); Monné, M.A., & Giesbert, 1994: 276 (cat.); Monné, M.A., 1995b: 38 (cat.); Linsley & Chemsak, 1995: 211; Monné, M.A. & Hovore, 2006: 289 (checklist);

6. *Mecas (Mecas) linsleyi* Knull, 1975

Type locality - Holotype male: United States, Texas: Hidalgo Co., Bentsen Rio Grande Valley State Park. (FMNH). **Distribution** - United States (southern Texas), northern Mexico. **Host plants** - *Aster spinosus* Bentham (Asteraceae).

Mecas linsleyi Knull, 1975: 130, fig. 1; Chemsak, 1977a: 176 (type); Hovore, Penrose & Giesbert, 1978: 97 (distr., hosts); Lingafelter & Horner, 1993: 186 (distr.); Monné, M.A., & Giesbert, 1994: 276 (cat.); Monné, M.A., 1995b: 39 (cat.); Linsley & Chemsak, 1997: 394 (hosts); Monné, M.A., 2002: 50 (cat. hosts); Santos-Silva & Androw, 2022: 8, figs 22-24

Mecas (Mecas) linsleyi; Hovore, Penrose & Neck, 1987: 321 (distr., hosts); Linsley & Chemsak, 1995: 212; Monné, M. A., 2005: 616 (cat.); Monné, M.A. & Hovore, 2006: 289 (checklist);); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 496

7. *Mecas (Mecas) marginella* LeConte, 1873

Syntypes localities - Syntypes: United States, Western States and Texas. (MCZN). **Distribution** - Southeastern United States to New Mexico. **Host plants** – *Thelesperma megapotamicum* (Sprengel) Kuntze (Asteraceae).

Mecas marginella LeConte, 1873b: 239; Horn, 1878: 44; Lameere, 1883: 71 (cat.); Leng & Hamilton, 1896: 152; Blatchley, 1910: Casey, 1913: 361; Loding, 1933: 149 (distr.); Brimley, 1938: 219 (distr.); Loding, 1945: 125 (distr.); Fattig, 1947: 43 (distr.); Breuning, 1956: 147 (rev.); Kirk, 1969: 87 (distr.); Chemsak & Linsley, 1973: 162 (rev.); Lavigne, 1976: 762 (biol.); Turnbow & Franklin, 1980: 348; Rice, Turnbow & Hovore, 1985: 23 (hosts); Hovore, Penrose & Neck, 1987: 320, fig. 20; Chemsak, Linsley & Noguera, 1992: 152 (cat.); Lingafelter & Horner, 1993: 185 (distr.); Linsley & Chemsak, 1997: 395 (hosts); Spomer. 2014: 302 (distr.b:

Mecas (Mecas) marginella; Linsley & Chemsak, 1995: 208; Monné, M.A., 1995b: 39 (cat.); Schiefer, 1998b: 127 (distr.); Heffern, 1998: 23 (distr.); Monné, M.A. & Hovore, 2006: 289 (checklist); Holt, 2013: 254 (distr.); Spomer, 2014: 302, fig. 10

8. *Mecas (Mecas) menthae* Chemsak & Linsley, 1973

Type locality - Holotype male: Mexico, Sinaloa: 8 mi W El Palmito. (CASC). **Distribution** - United States (Arizona), Mexico (Jalisco, Mexico, Michoacán. Nayarit, Sinaloa).

Mecas (Mecas) menthae Chemsak & Linsley, 1973: 174, figs 10, 11; Monné, M.A., 1995b: 39 (cat.); Linsley & Chemsak, 1995: 216, fig. 42; Monné, M.A., 2005: 616 (cat.); Monné, M.A. & Hovore, 2006: 289 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 496

Mecas menthae; Chemsak, Linsley & Noguera, 1992: 152; Monné, M.A., & Giesbert, 1994: 276 (cat.); Monné, M.A., 1995b: 39 (cat.); Noguera & Chemsak, 1996: 407 (cat.); Monné, M.A. & Hovore, 2006: 289 (checklist)
Mecas marginella; Linsley, Knull & Statham, 1961: 32 (not LeConte, 1873).

9. *Mecas (Mecas) pergrata* (Say, 1824)

Type locality - Holotype: United States, Missouri. (Depository unknown). **Distribution** – From western North Dakota, south to New Mexico, northeastern Mexico, and eastern Mississippi. Canadian records. Ontario, Windsor **Host plants** - *Aster spinosus* Bentham, *Helianthus* sp., *Heterotheca* sp., *Ratibida pinnata* Barnhart (Asteraceae).

Saperda pergrata Say, 1824: 407; Haldeman, 1847a: 55; LeConte, 1859b: 190.
Stenostola pergrata; Haldeman, 1847b: 373; LeConte, 1852: 154; Lacordaire, 1872: 864.
Mecas pergrata; Popenoe, 1877: 34 (distr.); Packard, 1877: 804, pl. 70, fig. 10 (biol.); Snow, 1877: 19 (distr.); Horn, 1878: 44; Snow, 1883: 42 (distr.); Leng & Hamilton, 1896: 153; Wickham, 1898c: 41; Townsend, 1903: 80 (distr.); Knaus, 1905a: 352 (distr.); Fall & Cockerell, 1907: 194 (distr.); Schaeffer, 1908a: 328 (distr.); Blatchley, 1910: 1090, 1091 (distr.); Casey, 1913: 361; Craighead, 1923: 138, pl. 16, fig. 8, pl. 33, fig. 2 (larva); Linsley & Martin, 1933: 183 (distr.); Wright & Whitehouse, 1941: 72 (distr.); Knull, 1946: 275, pl. 22, fig. 86; Breuning, 1956: 144, fig. 1; Kirk & Balsbaugh, 1975: 100 (distr.); Gosling & Gosling, 1976: 35, fig. 179 (biol.); Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 105 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 153 (cat.); Lingafelter & Horner, 1993: 186 (distr.); MacRae, 1993: 248 (distr.); Noguera & Chemsak, 1996: 407 (cat.); Linsley & Chemsak, 1997: 395 (hosts); Monné, M.A., 2002: 50 (cat. hosts); Bousquet, Laplante, Hammond & Langor, 2017: 177, pl. 43
Mecas (Mecas) pergrata; Chemsak & Linsley, 1973: 169; Hovore, Penrose & Neck, 1987: 321 (distr., hosts); Monné, M.A., & Giesbert, 1994: 2756 (cat.); Monné, M.A., 1995b: 39 (cat.); Linsley & Chemsak, 1995: 214; Schiefer, 1998b: 127 (distr.); Heffern 1998: 23 (distr.); Monné, M.A., 2005: 616 (cat.); Monné, M.A. & Hovore, 2006: 289 (checklist);); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 496
Stenostola gentilis LeConte, 1852: 154; Lacordaire, 1872: 864.
Mecas gentilis; Popenoe, 1877: 34 (distr.); Snow, 1878: 67 (distr.).
Type locality - Holotype: United States, Missouri. (MCZN).
Mecas pergrata m. *semiruficollis* Breuning, 1956: 145.
Type locality - Holotype male: United States, Texas. (MNHN).
Mecas discovittata Breuning, 1956: 143.
Type locality - Holotype female: United States, Colorado. (ZSMC).

Oberea Mulsant, 1839

Oberea Mulsant, 1839: 192, 194; Stephens, 1839: 273; Chevrolat *in* D'Orbigny, 1847a: 768; LeConte, 1852: 151; Thomson, 1860: 47; 1864: 121; 1865: 400; Fairmaire *in* Jacquelin DuVal, 1864: 172; Lacordaire, 1872: 864; LeConte, 1873b: 347; Provancher, 1877: 581, 635; Horn, 1878: 45; LeConte & Horn, 1883: 332; Leng & Hamilton, 1896: 151, 153; Blatchley, 1910: 1091; Casey, 1913: 364; Craighead, 1923: 135 (larva); Mutchler & Weiss, 1923: 22 (key spp.); Bradley, 1930: 247; Chagnon, 1938: 278; Knull, 1946: 274, 275; Breuning, 1962c: 6, 16 (rev.); Arnett, 1962: 873, 893; Hicks, 1962: 5; Chagnon & Robert, 1962: 278; Linsley & Chemsak, 1995: 220; Monné, M.A., 1995b: 54 (cat.); Monné, M.A., 2005a: 618 (cat.); Monné, M.A. & Hovore, 2006: 289 (checklist); Monné, M.A., 2012: 108.
Type-species - *Cerambyx oculatus* Linnaeus, 1758 (subsequent designation, Thomson, 1864: 121).
Isosceles Newman, 1842b: 318; Thomson, 1865: 400; Pascoe, 1867: 420.
Type-species - *Isosceles macilenta* Newman, 1842 (monotypy).

1. *Oberea affinis* Dejean, 1835

Type locality - Holotype: America Borealis (BMNH). **Distribution** - Ontario, Quebec. From Maine to New Jersey and *west* to Wisconsin and Manitoba. **Host plants** - *Ratibida pinnata* Barnhart (Asteraceae)

Oberea tripunctata var. *affinis* Dejean, 1835: 351

Oberea affinis; Harris, 1841: 91; Casey, 1913: 364; Hicks, 1962: 6, fig. 2 (syn.); Linsley & Chemsak, 1995: 235; Monné, M.A., & Giesbert, 1995: 284 (cat.); Monné, M.A., 1995b: 54 (cat.); Yanega, 1996: 141, pl. 21, fig. 250; Linsley & Chemsak, 1997: 408 (hosts); Schiefer, 1998b: 127 (distr.); Sikes & Webster, 2005: 321 (distr.);Monné, M.A., & Hovore, 2006: 289 (checklist); Webster, MacCorquodale & Majka, 2009: 303 (distr., hosts); Holt, 2013: 253 (distr., hosts); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 299 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 180, pl. 44

Oberea bimaculata var. *affinis*; Fisher & Kirk, 1912: 316; Kirk & Knull, 1926: 46 (distr.); Leonard, 1928: 457 (distr.); Brimley, 1938: 219 (distr.); Malkin, 1941: 290 (distr.); Knull, 1946: 280; Procter, 1946: 184 (biol.); Breuning, 1962c: 230

2. *Oberea caseyi* Plavilstshikov, 1926

Type locality - Lectotype male: United States, Kansas. (USNM). **Distribution** - From the Saguenay River in Quebec to southeastern Saskatchewan, south to New Mexico, Texas, and Georgia. **Host plants** - *Salix* sp. (Salicaceae)

Oberea ferrugínea Casey, 1913: 366 (preoccupied); Knaus, 1914: 91; Craighead, 1923: 137 (larva); Keen, 1938: 37; Hicks, 1945: 214 (distr.); Craighead, 1950: 255 (biol.); Keen, 1952: 47 (hosts); Alexander, 1958: 48 (distr.); Baker, 1972: 190; Headstrom, 1977: 384; Drooz, 1985: 300; Lingafelter, *et al*., 2014: 62, fig. 66 a (lectotype)

Oberea caseyi Plavilstshikov, 1927: 64 (*nomen nov.*); Monné, M.A., & Giesbert, 1994: 277 (cat.); Monné, M.A., 1995b: 54 (cat.); Yanega, 1996: 141, pl. 21, figs 245 a, b (reval., lectotype); Monné, M.A., & Hovore, 2006: 289 (cat.); Bousquet, Laplante, Hammond & Langor, 2017: 180, pl. 45

Oberea canadensis Fisher, 1945: 56; Hicks, 1945: 214 (distr.); Hicks, 1962: 12 (distr.); Chemsak, Linsley & Noguera, 1992: 153 (cat.); Monné, M.A., 1995b: 94 (cat.); Lingafelter *et al*., 2014: 36, fig. 37 k (holotype)

Type locality - Holotype male: Canada, Ojibway (USNM)

3. *Oberea deficiens* Casey, 1924

Type locality - Holotype: United States, New Jersey (USNM). **Distribution** -From the Nova Scotia peninsula to southern Manitoba, south at least to Indiana and Virginia. **Host plants** - *Viburnum acerifolium* Linnaeus, *V. dentatum* Linnaeus (Caprifoliaceae)

Oberea praelonga deficiens Casey, 1924: 296

Oberea tripunctata var. *deficiens*; Breuning, 1962c; 229

Oberea deficiens: Hicks, 1962: 9 (hosts); Yanega, 1996: 142, pl. 29, figs 259 a, b; Monné, M.A., & Hovore, 2006: 289 (checklist); Lingafelter *et al*., 2014: 302, fig. 135 o (holotype); Heffern, Vlasák & Alten, 2018: 741, fig 1G (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 180, pl. 44; Steury, 2019: 30 (distr.)

4. *Oberea delongi* Knull, 1928

Type locality - Holotype female: United States, Ohio: Cedar Point. (FMNH). **Distribution** Eastern North America from the Lower Great Lakes/St. Lawrence Lowland region in southern Quebec and southern Ontario, south to eastern Mississippi and eastern Georgia . It was also recorded from southern Montana and southeastern Nebraska . - **Host plants** - *Populus deltoides* Bartram ex Marshall (Salicaceae).

Oberea delongi Knull, 1928b : 12; Hicks, 1945: 214 (distr.); Knull, 1946: 281, pl. 24, fig. 113; Alexander, 1958: 48 (distr.); Breuning, 1962c: 224; Hicks, 1962: 10 (hosts); Solomon, 1969: 1214 (pred.); 1977: 298 (biol.); Gosling & Gosling, 1976: 34 (distr.); Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 105 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 153 (cat.); MacRae, 1993: 248 (distr.); Monné, M.A., & Giesbert, 1994: 277 (cat.); Monné, M.A., 1995b: 54 (cat.); Linsley & Chemsak, 1995: 234; 1997: 408 (hosts); Monné,

M.A., 1995b: 54 (cat.); Yanega, 1996: 142, pl. 22, fig. 254; Schiefer. 1998b: 127 (distr.); Vlasák & Vlasakova, 2002: 216 (distr,); Korotyaev *et al*., 2005: 253 (hosts); Monné, M.A., & Hovore, 2006: 290 (checklist); Haack, 2017: fig. 4 (larva); Bousquet, Laplante, Hammond & Langor, 2017: 181, pl. 45

5. *Oberea flavipes* Haldeman, 1847

Type locality - Holotype: United States, Pennsylvania. (MCZN). **Distribution** - Northeastern North America to Manitoba **Host plants** - *Celtis pallida pallida* Torrey (Cannabaceae). *Leucaena pulverulenta* (Schlechtendal) Bentham (Mimosaceae).

Oberea flavipes Haldeman, 1847a: 57; LeConte, 1852: 153; Melsheimer, 1853: 112; Lacordaire, 1872: 866; Horn, 1878: 46; Ulke, 1903: 27 (distr.); Monné, M.A., & Hovore, 2006: 290 (checklist);

Oberea bimaculata var. *flavipes*; Wickham, 1909a: 30; Blatchley, 1910: 1092; Casey, 1913: 364.. 1914: 369 (distr.); Chagnon, 1917: 238 (distr.); Craighead, 1923: 141 (larva); Kirk & Knull, 1926: 46 (distr.); Fattig, 1947: 44 (distr.); Hicks, 1962: 9 (hosts); Linsley & Chemsak, 1995: 230; 1997: 408 (hosts); Yanega, 1996: 143, pl. 22, fig. 253; Androw & Keeney, 1999: 6 (distr.); MacRae & Rice, 2007: 256 (distr.)

6. *Oberea gracilis* (Fabricius, 1801)

Type locality - Holotype: United States, Carolina (ZMUK). **Distribution** - Eastern United States to Florida. **Host plants** - *Quercus alba* Linnaeus, *Q. falcata* Michaux (Fagaceae).

Saperda gracilis Fabricius, 1801: 324; Schoenherr. 1817: 430; Zimsen, 1964: 175 (type)

Oberea gracilis; Haldeman, 1847a: 57; LeConte, 1852: 152; Melsheimer,1853: 111; Lacordaire, 1872: 866; Horn, 1878: 45; Leng & Hamilton, 1896:: 156 (cat.); Smith, 1900: 297 (distr.); Ulke, 1903: 27 (distr.); Davis, 1909: 96 (distr.); Wickham, 1909b: 402 (distr.); Leng, 1910: 78 (distr.); Blatchley, 1910: 1091; Smith, 1910: 337; Fisher & Kirk, 1912: 316 (distr.); Casey 1913: 372; Mutchler & Weiss, 1923: 19; Kirk & Knull, 1926: 46 (distr.); Engelhardt, 1928: 252 (distr.); Blatchley, 1928: 71 (distr.); Leonard, 1928: 457 (distr.); Brimley, 1938: 219 (distr.); Loding, 1945: 125 (distr.); Procter, 1946: 184 (distr.); Knull, 1946: 281; Fattig, 1947: 45 (distr.); Hicks, 1962: 6 (distr.); Breuning, 1962c: 225 (syn;); Turnbow & Hovore, 1979: 227 (biol.); Turnbow & Franklin, 1980: 346 (distr.); Chemsak, Linsley & Noguera, 1992: 253 (cat.); Monné, M.A., & Giesbert, 1994: 277 (cat.); Monné, M.A., 1995b: 54 (cat.); Linsley & Chemsak, 1995: 223; 1997: 408 (hosts); Yanega, 1996: 143, pl. 21, fig. 248; Schiefer, 1998b: 127 (distr.); Peck & Thomas, 1998: 124 (distr.); Vlasák & Vlasakova, 2002: 216 (distr.); Monné, M.A., & Hovore, 2006: 290 (checklist); Holt, 2013: 253 (distr.).

Oberea Mairii Chevrolat, 1856: 435; Mulsant, 1862: 297; Ganglbauer, 1884: 581

Type locality - Holotype female: France, Loiret, Meung-Sur-Loire. (BMNH).

7. *Oberea myops* Haldeman, 1847

Type locality - Holotype: United States, Northern Georgia, Tolula (MCZN). **Distribution** - From eastern New Brunswick to western South Carolina and northern Georgia, west along the southern United States to southern Mississippi. **Host plants** – *Cornus florida* Linnaeus (Cornaceae), *Kalmia latifolia* Linnaeus, *Vaccinium arboreum* Marshall (Ericaceae)

Oberea myops Haldeman, 1847b: 173; 1847a: 57; LeConte, 1852: 152; Melsheimer, 1853: 111 (cat.); Horn, 1868: 124 (distr.); Lacordaire, 1872: 866; Knaus, 1901: 112 (distr.); Casey, 1913: 364; 1914: 369; Craighead, 1923: 141 (larva); Champlain, Kirk & Knull, 1925: 142 (hosts); Kirk & Knull, 1926: 45 (distr.); Driggers, 1929: 67 (contr.); Craighead & Middleton, 1930: 8; Felt & Rankin, 1932: 157 (biol.); Wray & Brimley, 1943: 130; Knull, 1946: 279; Procter, 1946: 184 (distr.); Fattig, 1947: 43 (distr.); Craighead, 1950: 255 (biol.); Beal, Haliburton & Knight,1952: 46 (biol.); Hicks, 1962: 10 (distr.); Baker, 1972: 190; Swan & Papp, 1972: 457; Headstrom, 1977: 384; Drooz, 1985: 300 (biol.); White, 1985: 289; Monné, M.A., & Giesbert, 1985: 284 (cat.); Linsley & Chemsak, 1985: 244, fig. 45; 1997: 408 (hosts); Culin, Gorsuch & Pizzuto, 1993: 206; Yanega, 1996: 143, pl. 22, figs 257 a, b; Woolwine, Culin & Gorsuch, 1996: 121; Schiefer, 1998b: 197 (distr.); Vlasák & Vlasakova, 2002: 216 (distr.); Monné, M.A., & Hovore, 2006: 290 (checklist); Guarnieri, 2009: 19

(distr.); Webster, McCorquodale & Majka, 2009: 303 (distr., hosts); Holt, 2013: 253 (distr.); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 299 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 181, pl. 45; Heffern, Vlasák & Alten, 2018: 7421, fig 1H

Oberea tripunctata var. *myops*; Horn, 1878: 47; Hopkins, 1893: 198 (biol.); Leng & Hamilton, 1896: 155; Smith, 1900: 397 (distr.); 1910: 336; Blatchley, 1910: 1092; Fisher & Kirk, 1912: 316 (distr.); Nicolay, 1919: 72 (distr.); Mutchler & Weiss, 1923: 17; Herrick, 1935: 325 (hosts); Brimley, 1938: 220 (distr.); Langford & Corey, 1939: 16 (biol.)

8. *Oberea ocellata* Haldeman, 1847

Syntypes locality - Syntypes: United States, Pennsylvania (MCZN). **Distribution** - Eastern United States from New England to Florida west to Texas and North Dakota. In Canada, it is known from four localities in southernmost Ontario and along Georgian Bay. **Host plants** - *Rhus copallina* Linnaeus, *R.glabra* Linnaeus, *R. typhyna* Turner, *R vernix* Linnaeus (Anacardiaceae). *Cornus florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae), *Morus rubra* Linnaeus (Moraceae).

Oberea ocellata Haldeman, 1847a: 56; LeConte, 1852: 152; Melsheimer, 1853: 111 (cat.); Lacordaire, 1872: 866; Horn, 1878: 46; Knobel, 1895: 34, fig. 133; Leng & Hamilton, 1896: 154 (cat.); Chittenden, 1899: 58; Smith, !900: 297 (distr.); Knaus, 1901: 112 (distr.); Ulke, 1903: 27 (distr.); Wickham, 1909b: 402 (distr.); Smith, 1910: 336; Fisher & Kirk, 1912: 316 (distr.); Casey, 1913: 371; Johnson, 1915: 316 (distr.); Nicolay, 1919: 72 (distr.); Britton, 1920: 272 (distr.); Craighead, 1923: 137, pl. 44 (larva); Mutchler & Weiss, 1923: 17; Kirk & Knull, 1926: 46; Leonard, 1928: 457 (distr.); Beaulne, 1932: 221 (hosts); Wolcott & Montgomery, 1933: 157; Brimley, 1938: 220 (distr.); Hicks, 1945: 214 (distr.); Loding, 1945: 125 (distr.); Knull, 1946: 280; Procter, 1946: 184 (distr.); Fattig, 1947: 44 (distr.); Craighead, 1950: 255, fig. 54 G (biol.); Duffy, 1953: 295, figs 285-286 (nymph); Alexander, 1958: 48 (distr.); Dillon & Dillon, 1961: 653, pl. 55; Hicks, 1962: 10; Bayer & Shenefelt, 1969: 32, fig. 40; Baker, 1972: 190; Gosling & Gosling, 1976: 34 (distr.); Headstrom, 1977: 383; Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 105 (distr., hosts); Gosling, 1984: 72 (hosts); White, 1985: 289, fig. 125; Chemsak., Linsley & Noguera, 1992: 254 (cat.); MacRae, 1993: 248 (distr.); Monné, M.A., & Giesbert, 1994: 277 (cat.); Monné, M.A., 1995b: 54 (cat.); Linsley & Chemsak, 1995: 232; 1997: 409 (hosts); Schiefer, 1998b: 127 (distr.); Peck & Thomas, 1998: 124 (distr.); Vlasák & Vlasakova, 2002: 216 (distr.); Senchina, 2005: 232 (hosts); Monné, M.A., & Hovore, 2006: 290 (checklist); Rice & Veal, 2006: 262 (distr.); Holt, 2013: 256 (distr.); Klingeman *et al*., 2017: 299 (distr.); Haack, Keena & Eyre, 2017: 73 (biol.); Bousquet, Laplante, Hammond & Langor, 2017: 181, pl. 44

Oberea ocellata var. *discoidea* Horn, 1878: 47; Smith, 1910: 336; Leonard, 1928: 457 (distr.); Brimley. 1938: 220; Hicks. 1962: 10

Oberea discoidea; Casey, 1924: 295

Syntypes locality - Syntypes: United States, Florida (ANSP)

Oberea ocellata plagiata Casey, 1913: 371; Dozier, 1920: 367 (distr.); Lingafelter *et al*., 2014: 110, fig. 122 a (lectotype)

Oberea plagiata; Casey, 1924: 295

Type locality - Lectotype: United States, North Carolina: Southern Pines (USNM).

9. *Oberea oculaticollis* Say, 1824

Type locality - Type: United States, Missouri (depository unknown). **Distribution** Midwestern North America from Ontario and Southern Manitoba to Texas.

Saperda oculaticollis Say, 1824: 406; Haldeman, 1847a: 55; LeConte, 1852: 1564; Melsheimer, 1853: 110 (cat,)

Oberea oculaticollis; LeConte, 1858: 41 (distr.); 1859b: 189; 1859a: 49; Lacordaire, 1872: 866; Popenoe, 1877: 34 (distr.); Snow, 1878: 67 (distr.); Horn, 1878: 45; Leng & Hamilton, 1896: 157 (cat.); Casey, 1913: 264; Hicks, 1962: 9 (distr.); Linsley & Chemsak, 1995: 231; Monné, M.A., 1995b: 54 (cat.); Monné, M.A., & Giesbert, 1995: 284 (cat.); Yanega, 1996: 144, pl. 21, fig. 244; Heffern, 1998: 23 (distr.); Monné, M.A., & Hovore, 2006: 290 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 181, pl. 45

Oberea brooksi Wallis, 1926: 44; Ruette, 1970: 21 (types)
Type locality - Holotype female: Canada, Manitoba: Transcona (CNCI).

10. *Oberea pallida* Casey, 1913

Type locality - Holotype male: United States, Maine, Monmout & Wales. (USNBM). **Distribution** - Northeastern North America. In Canada, it ranges from Cape Breton Island to the Lake Temagami area along the Ontario-Quebec border. **Host plants** - *Alnus* sp. (Betulaceae).

Oberea pallida Casey, 1913: 366; Frost, 1916: 389; 1920: 27 (biol.); Kirk & Knull, 1926: 45 (distr.); Procter, 1927: 113 (distr.); Leonard, 1928: 456 (distr.); Brown, 1929: 154 (distr.); Malkin, 1945: 104 (distr.); Knull, 1946: 177; Hicks, 1962: 9, fig. 1; Baker, 1972: 190; Drooz, 1985: 300; Yanega, 1996: 144, pl. 21, fig. 249 (reval., lectotype); Monné, M.A., & Hovore, 2006: 290 (cat.); Webester, McCorquodale & Majka, 2009: 104 (distr.); Lingafelter *et al*., 2014: 294, fig. 260 l (lectotype); Webster, 2016: 489 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 182, pl. 44

11. *Oberea perspicillata* Haldeman, 1847

Type locality - Holotype: United States. (MCZN). **Distribution** - Eastern North America to Utah and Texas. Canada: from southern Quebec, southern Ontario, and southern Manitoba. **Host plants** - *Ratibida pinnata* Barnhart, *Solidago canadense canescens* Gray (Asteraceae), *Rosa* sp., *Rubus* sp. (Rosaceae)

Oberea perspicillata Haldeman, 1847a: 57; LeConte, 1852: 153; Melsheimer, 1853: 111 (cat.); LeConte, 1859a: 49; Walsh & Riley, 1869: 26; Lacordaire, 1872: 866; Saunders, 1874: 9 (biol.); Riley, 1874: 111; Casey, 1913: 369; Brimley, 1938: 220; Fattig, 1947: 44 (distr.); Monné, M.A., & Giesbert, 1994: 284 (cat.); Monné, M.A., 1995b: 52 (cat.); Linsley & Chemsak, 1995: 236, fig. 44; Yanega, 1996: 144, pl.21, fig. 51; Krinsky & Godwin, 1996: 239; Linsley & Chemsak, 1997: 409 (hosts)/ Schiefer, 1998b: 127 (distr.); Heffern, 1998: 23 (distr.); Peck & Thomas, 1998: 124 (distr.); Sikes & Webster, 2005: 321 (distr.); Korotyaev *et al*., 2005: 253 (hosts); Monné, M.A. & Hovore, 2006: 290 (cat.); Guarnieri, 2009: 20 (distr.); Holt, 2013: 254 (distr., hosts); Steury & MacRae, 2014:11 (distr.); Klingeman *et al*., 2017: 299 (distr.); Haack, Keena & Eyre, 2017: 73 (biol.); Bousquet, Laplante, Hammond & Langor, 2017: 182, pl. 44

Oberea basalis LeConte, 1852: 153; Melsheimer, 1853: 111 (cat.); Lacordaire, 1872: 866; Popenoe, 1878: 83 (distr.); Snow, 1878: 67 (distr.); Dury, 1902: 163 (distr.); Casey, 1913: 370; Kirk & Knull, 1926: 45 (distr.); Schaeffer, 1930: 339 (hosts); Brimley. 1938: 219; Loding, 1945: 125 (distr.); Alexander, 1958: 48 (distr.); Dillon & Dillon, 1961: 653, pl.; Stein & Tagestad, 1976: 24

Type locality - Holotype: United States, Georgia, Tobula (MCZN)

Oberea bimaculata var. *basalis*; Horn, 1878: 46; Hamilton, 1895a: 339 (distr.); Wickham, 1909a: 30 (distr.); Blatchley, 1910: 1052; Smith, 1910: 336; Fisher & Kirk, 1912: 315 (distr.); Chagnon. 1917: 238; Nicolay, 1919: 72 (distr.); Britton, 1920: 272 (distr.); Mutchler & Weiss, 1923: 16; Schaeffer, 1927: 176 (hosts); Knull, 1946: 279; Fattig, 1947: 44 (distr.); Bayer & Shenefelt, 1969: 32, fig. 40; Kirk & Balsbaugh, 1975: 101

Oberea bimaculata; Gemminger in Gemminger & Harold, 1873: 3197 (cat.); Horn, 1878: 45; Riley, 1880a: 271 (hosts); Harrington, 1884c: 102 (distr.); Lintner, 1889a: 231, fig. 28 (biol.); Webster, 1892: 199, fig. 24; Hamilton, 1895a: 339 (distr.); Webster & Mally, 1897: 43; Harrington, 1899a: 62; Lugger, 1899: 131, 214, pl. 4, fig. 136; Webster, 1900: 6; Webster, 1900; 437; Webster,1901: 83; Smith, 1900: 297 (distr.); Ulke, 1903: 27, 51 (distr., hosts); Webster, 1904: 4 (biol.); Chittenden, 1904: 3; Pettit, 1904: 29; Chagnon. 1905: 44; 1905: 36; Longley, 1905: 125; Patch, 1908: 359; Smith, 1910: 336; Blatchley, 1910: 1091, fig. 475; Banks, 1912: 336; Swaine, 1912: 73 (biol.); Fisher & Kirk, 1912: 315 (distr.); Johannsen, 1913: 463; Casey, 1913: 370; Morris, 1916a: 21 (hosts); 1916c: 297 (distr.); Chagnon, 1917: 238; Criddle, 1925: 98 (distr.); Kirk & Knull, 1926: 46 (distr.); Fletcher, 1926: 144 (distr.); Engelhardt, 1928: 252 (distr.); Ware, 1929: 369 (distr.); Craighead & Middleton, 1930: 8; Beaulne, 1932: 221 (hosts); Wolcott & Montgomery, 1933: 157; Chagnon, 1938: 279, pl. 19,

fig. 11; Brimley, 1938: 219; Hungerford, 1939: 596 (biol.); Slate, Suit & Mundinger, 1942: 54, fig. 14 (biol.); Smith *et al*., 1943: 317, fig. 321; Loding, 1945: 125 (distr.); Knull, 1946: 279; Fattig, 1947: 44 (distr.); Weigel & Baumhofer, 1948: 78, fig. 131; Alexander, 1958: 48 (distr.); Linsley, 1958: 108; Dillon & Dillon, 1961: 653, pl.; Chagnon & Robert, 1962: 279, pl. 19, fig. 11; Hicks, 1962: 7; Hatch, 1971: 156, pl. 19, fig. 1; Swan & Papp, 1972: 457, fig. 980; Chamberland, 1976: 89; Stein & Tagestad, 1976: 25; Gosling & Gosling, 1976: 34 (distr.); Headstrom, 1977: 383; Laliberté, Chantal & LaRochelle, 1977: 95 (distr., hosts);. Solomon, 1977a: 297 (biol.); Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 104 (distr., hosts); Gosling, 1984: 72 (hosts); Chemsak, Linsley & Noguera, 1992: 153 (cat.); MacRae, 1993: 248 (distr.); Monné, M.A., 1995b: 52 (cat.); Haack, Keena & Eyre, 2017: 74, fig. 3 (hosts)

Oberea bimaculata var. *tripunctata*; Horn, 1878: 46; Webster, 1901: 83, fig. 45; Fisher & Kirk, 1912: 315 (distr.); Dozier, 1918: 335; Nicolay, 1919: 72 (distr.); Herrick, 1920: 83 (biol.); Loding, 1945: 125 (distr.);

Oberea tripunctata var. *bimaculata*; Wickham, 1898a: 43; Mutchler & Weiss, 1923: 16

Oberea tripunctata basalis; Pack, 1930: 220 (distr.)

Oberea texana Horn, 1878: 45, 47; Lameere, 1883: 71 (cat.); Casey, 1913: 364; Leonard, 1928: 457 (distr.); Alexander, 1958: 48 (distr.)

Syntypes locality - Syntypes: United States, Texas (ANSP).

Oberea montana Casey, 1913: 369; Knowlton & Thatcher, 1936: 281 (distr.); Hatch, 1971: 156; Lingafelter *et al.,* 2014: 101, pl. 111 k (lectotype)

Type locality - Lectotype: United States, Utah, Nephi (USNM)

Oberea bimaculata var. *montanus*; Knowlton & Wood, 1950: 13 (distr.)

Oberea iowensis Casey, 1913: 370; Leonard, 1928: 457 (distr.); Lingafelter *et al*., 2014: 82, pl. 89 o (lectotype)

Type locality - Lectotype: United States, Iowa, Keokuk (USNM)

Oberea exilis Casey, 1913: 368; Lingafelter *et al*., 2014: 59, pl. 62 u (lectotype)

Type locality - Lectotype: United State, Pennsylvania. Harrisburg. (USNM)

Oberea dolosa Casey, 1913: 371; Lingafelter *et al*., 2014: 54, pl. 57 w (holotype)

Type locality - Holotype male; United States, North Carolia: Southern Pines (USNM)

Oberea bimaculata dolosa; Brimley, 1938: 219

Oberea insignis Casey, 1913: 370; Leonard, 1928: 457 (distr.); Brimley, 1938: 219; Fattig, 1947: 44 (distr.); Lingafelter *et al*., 2014: 80, pl. 87 q (lectotype)

Type locality - Lectotype; United States, North Carolina: Southern Pines (USNM)

Oberea filum Casey, 1913: 369; Leonard, 1928: 457 (distr.); Lingafelter *et al*., 2014: 62, pl. 66 m (holotype)

Type locality - Holotype male: United States, Pennsylvania: Harrisburg. (USNM)

Oberea delicatula Casey, 1913: 368; Fattig, 1947: 43 (distr.); Lingafelter *et al*., 2014: 51, pl. 54 q (holotype)

Type locality - Holotype male: United States, District of Columbia. (USNM)

Oberea umbra Casey, 1914: 370; Brimley, 1938: 220; Fattig, 1947: 44 (distr.); Kirk, 1969: 87; Lingafelter *et al*., 2014: 338, pl. 176 a (holotype)

Type locality - Holotype: United States, North Carolina. Black Mountains. (USNM)

Oberea flavocephala Blatchley, 1922: 32

Syntypes localities - Syntypes: United States, Florida: near Dunedin, Ormond. (Purdue University)

12. *Oberea praelonga* Casey, 1913

Type locality - Lectotype male: United States, New York; Bluff Point, Lake Champlain (USNM) . **Distribution -** From the Fredericton area in New Brunswick to the Rainy River District in western Ontario, south to east-central Mississippi, central Alabama, and northern Florida. **Host plants** - *Cornus bailey* Coulter & Evans, *C. florida* Linnaeus, *C. stolonifera* Michaux (Cornaceae).

Oberea praelonga Casey, 1913: 368; Leonard, 1928: 457 (distr.); Brimley, 1938: 220 (distr.); Dillon & Dillon, 1961: 653, pl. 55; Hicks, 1962: 7, fig. 5 (hosts); Townes & Townes, 1962:

484 (paras.); Johnson & Lyon, 1988: 262, pl. 1238; MacRae, 1993: 248 (distr.); Monné, M.A., & Giesbert, 1995: 284 (cat.); Solomon, 1995: 374, fig. 147A; Linsley & Chemsak, 1995: 246; 1997: 409 (hosts); Yanega, 1996: 144, pl. 22, fig. 258; Schiefer, 1998b: 127 (distr.); Peck & Thomas, 1998: 124 (distr.); Vlasák & Vlasakova, 2002: 216 (distr.); Monné, M.A., & Hovore, 2006: 290 (checklist); Webster, McCorquodale & Majka, 2009: 304 (distr.); Guarnieri, 2009: 20 (distr.); Holt. 2013: 254 (distr,); Lingafelter *et al*., 2014: 302, fig. 135 m (lectotype); Steury & MacRae, 2014: 11 (distr.); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 299 (distr.);); Bousquet, Laplante, Hammond & Langor, 2017: 182, pl. 44

13. *Oberea quadricallosa* LeConte, 1874

Syntypes locality - Syntypes male and female: United States, California. (MCZN). **Distribution** - British Columbia to southern California, Colorado and Nevada, Mexico (Baja California). **Host plants** - *Populus tremuloides* Michaux, *P. trichocarpa* Torrey & A. Gray, *Salix* sp. (Salicaceae)

Oberea quadricallosa LeConte, 1874: 68; Horn, 1878: 46; Lameere, 1883: 75 (cat.); Leng & Hamilton, 1896: 157; Beutenmuller, 1896: 81 (hosts); Harrington, 1899b: 108 (distr.); Snow, 1906: 160 (distr.); Casey, 1913: 365; Essig, 1926: 462 (biol., hosts); Gaines, 1933: 52; Knowlton & Thatcher, 1936: 281 (distr.); Keen, 1952: 47 (hosts); Clark, M.E., 1956: 42 (distr.); Hicks, 1962; 11; Hatch, 1971: 156; Stein & Tagestad, 1976: 26; Hovore, 1988: 24 (distr.); Monné, M.A., & Giesbert, 1994: 285 (cat.); Linsley & Chemsak, 1995: 226, fig. 43; 1997: 409 (hosts); Heffern, 1998: 23 (distr.); Monné, M.A., 2002: 51 (cat. hosts); Monné, M.A., 2005: 618 (cat.); Monné, M.A., & Hovore, 2006: 290 (checklist); Rice, MacRae & Merickel, 2017: 671 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 183, pl. 45;); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 496 ;Gimmel *et al*., 2023: 251 (distr.)

Oberea schaumi var. *quadricallosa*; Breuning, 1962c: 223.

Oberea schaumi var. *infrarufa* Breuning, 1962c: 223.

Type locality - Holotype female: United States, California: Mariposa. (MHNG).

14. *Oberea ruficollis* (Fabricius, 1792)

Type locality - Holotype: United States, Virginia (ZMUC). **Distribution** - This species ranges from Massachusetts to western Kansas, including southern Ontario, south at least to east-central Texas and central Florida. **Host plants** – *Sassafras albidum* (Nutall) Nees (Lauraceae).

Saperda ruficollis Fabricius, 1793: 311; 1801: 322; Schoenherr, 1817: 430; Zimsen, 1964: 175 (type).

Oberea ruficollis; Haldeman, 1847a: 56; LeConte, 1852: 152; Melsheimer, 1853: 111 (cat.); Bland, 1861: 100 (distr.); Lacordaire, 1872: 865; Horn, 1878: 45; Popenoe, 1878: 83 (distr.); Horn, 1886a: 138; Hopkins, 1893: 198 (biol); Evans, 1895: 173 (distr.); Hamilton, 1895a: 339 (distr.); Hopkins, 1896: 247 (biol.): Wickham, 1898a: 43; Smith, 1900: 297 (distr.); Dury, 1902: 163 (distr.)/; Ulke, 1903: 27 (distr., hosts); Davis, 1909: 96 (distr.); Blatchley, 1910: 1091; Smith, 1910: 337; Leng, 1910: 78 (distr.); Fisher & Kirk, 1912: 316 (distr.); Casey, 1913: 372; Johnson, 1915: 316 (distr.). Nicolay, 1919: 72 (distr.); Britton, 1920: 272 (distr.). Craighead, 1923: 136 , pls (larva); Mutchler & Weiss, 1923: 19; Champlain, Kirk & Knull, 1925: 142 (hosts); Kirk & Knull, 1926: 46 (distr.). Leonard, 1928: 457 (distr.); Beaulne, 1932: 222 (hosts); Goldman, 1933: 99, pl. 5, figs 68-71 (anat.). Wolcott & Montgomery, 1933: 157; Brimley, 1938: 220 (distr.); Smith *et al*., 1943: 218; Loding, 1945: 125 (distr.); Knull, 1946: 280; Fattig, 1947: 44 (distr.). Craighead, 1950: 256, fig. 56D (larva); Beal *et al*., 1952: 45 (biol.); Duffy, 1953: 295, figs 283-285 (larva); Alexander, 1958: 48 (distr.); Dillon & Dillon, 1961: 656, pl. 65; Hicks, 1962: 6 (distr.); Breuning, 1962c: 226; Baker, 1972: 190 (biol.); Gosling & Gosling, 1976: 34 (distr,); Headstrom, 1977: 384; Solomon, 1977a: 297; Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 105 (distr., hosts); Drooz, 1985: 300; Chemsak, Linsley & Noguera, 1992: 154 (cat.); MacRae, 1993: 248 (distr.); Linsley & Chemsak 1995: 224; Monné, M.A., & Giesbert, 1994: 277 (cat.); Monné, M.A., 1995b: 45 (cat.); Yanega, 1996: 145, pl. 21, fig. 242; Linsley &

Chemsak, 1997: 409 (hosts); Schiefer, 1998b: 127 (distr.); Heffern, 1998: 25 (distr.); Peck & Thomas, 1998: 124 (distr.); Vlasák & Vlasakova, 2002: 216 (distr.); Sikes & Webster, 2005: 327 (distr.); Monné, M.A., & Hovore, 2006: 290 (checklist); Holt, 2013: 254 (distr.); Klingeman *et al*., 2017: 299 (distr.); Haack. 2017: 118 (hosts);); Bousquet, Laplante, Hammond & Langor, 2017: 182, pl. 44

Saperda plumbea Olivier, 1800: 21, pl. 4, fig. 42; Schoenherr, 1817: 426; Harris, 1838: 89

Type locality Holotype: North America (OXUM)

Phytoecia tibialis Haldeman, 1847a: 57; Melsheimer, 1853: 112;

Oberea tibialis Casey, 1913: 364; 1914: 369; Smith *et al*., 1943: 318

Type locality - Holotype: United States: Pennsylvania (MCZN)

Oberea ruficollis var, *rufolineata* Breuning, 1962c: 227

Type locality - Holotype female: United States, Florida, Stanford. (MHNG)

15. *Oberea schaumii* LeConte, 1852

Syntypes locality - Syntypes male: United States, Louisiana; (M CZN). **Distribution** - United States: Ohio, northern Illinois, Missouri, north-western Mississippi, southern Louisiana, northcentral Oklahoma, northern Colorado. Canada: Ontario and Alberta. **Host plants** - *Rhus copallina* Linnaeus (Anacardiaceae). *Populus deltoides* Bartram ex Marshall, *P. monilifera* Aiton, *P. tremuloides* Michaux, *P. trichocarpa* Torrey & A. Gray (Salicaceae).

Oberea schaumii LeConte, 1852: 153; Melsheimer, 1853: 112 (cat.); Lacordaire, 1872: 866; LeConte, 1873b: 346; Horn, 1878: 45; Riley, 1880a: 271 (hosts); Packard, 1881: 115; LeConte & Horn, 1883: 332; Packard, 1890: 426 (biol.); Riley, 1892: 323 (hosts); Marlatt, 1895: 8 (hosts); Knobel, 1895: 34, fig. 132; Beutenmuller, 1896: 81 (hosts); Chagnon, 1897: 124 (distr.); Wickham, 1898a: 43; Smith, 1900: 297 (distr.); Fall, 1901: 151; Ouellet, 1902: 123 (distr.); Dury, 1902: 163; Chagnon, 1905a: 44; Young, 1906: 68 (hosts); Wickham, 1909b: 30 (distr.); Smith, 1910: 336; Blatchley, 1910: 1091 (hosts); Banks, 1912: 106; Casey, 1913: 365; Chagnon, 1917: 238 (distr.); Britton, 1920: 272 (distr.); Craighead, 1923: 137 (larva); Mutchler & Weiss, 1923: 16; Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 456 (distr.); Criddle, 1928: 97 (distr.); Craighead & Middleton, 1930: 8; Park, 1931: 189; Beaulne, 1932: 221 (hosts); Knull, 1932: 64 (hosts); Chagnon, 1938: 278; Hicks, 1945: 214 (distr., hosts); Knull, 1946: 276; Fattig, 1947: 43 (distr.); Craighead, 1950: 256 (biol.); Papp, 1955: 220 (distr.); Alexander, 1958: 48 (distr.); Dillon & Dillon, 1961: 653, pl. 55; Breuning, 1962c: 222 (revis.); Hicks, 1962: 11, fig. 3; Chagnon & Robert, 1962: 279; Knight, 1963: 65 (biol.); Myers, Knight & Grimble, 1968: 1418; Grimble, Nord & Knight, 1969: 302, figs 1, 2; Gardiner, 1969: 104 (larva); Grimble & Knight, 1971: 1417; Nord, Grimble & Knight, 1972: 114, figs 1-4; Nord & Knight, 1972a: 28; 1972b: 87, fig. 1; 1972c: 93; Baker, 1972: 190 (biol.); Kirk & Balsbaugh, 1975: 100 (distr.); Gosling & Gosling, 1976: 33 (distr.); Solomon, 1977a: 298 (biol.); Laliberté, Chantal & LaRochelle, 1977: 95 (distr., hosts); Headstrom, 1977: 383; Furniss & Carolin, 1977: 311 (biol.); Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 105 (distr., hosts); Drooz, 1985: 300; Chemsak, Linsley & Noguera, 1992: 154 (cat.); MacRae, 1993: 248 (distr.); Monné, M.A., & Giesbert, 1994: 277 (cat.); Monné, M.A.,1995b: 55 (cat.); Linsley & Chemsak, 1995: 229; Downie & Arnett, 1996: 1275; Yanega, 1996: 145, pl. 21, figs 247 (syn, lectotype); Linsley & Chemsak, 1997: 409 (hosts); Schiefer, 1998b: 127 (distr.); Heffern, 1998: 23 (distr.); Vlasák & Vlasakova, 2002: 217 (distr., hosts); Monné, M.A., & Hovore, 2006: 290 (checklist); Webster, 2016: 489 (distr.); Haack, Keena & Eyre, 2017: 77 (biol.); Bousquet, Laplante, Hammond & Langor, 2017: 182, pl. 4

Oberea Wapleri Chevrolat, 1852b: 40

Syntypes locality - Syntypes male and female: United States, Louisiana: New Orleans. (BMNH)

Oberea pruinosa Casey, 1913: Knull, 1946: 277; Hicks, 1962: 11 (hosts); Yanega, 1996: 145, pl. 21, figs 246; Lingafelter *et al*., 2014: 303, fig. 136 s (holotype)

Oberea schaumii var. *pruinosa*; Breuning, 1962c: 224

Type locality - Holotype: United States, Missouri, near Saint Louis (USNM)

Oberea quadricallosa cylindricollis Casey, 1924: 295; Lingafelter *et al*., 2014; 307, fig. 140 w (holotype

Oberea schaumii var, *subcylindricollis* Breuning, 1962c: 22 (*nomen nov.*)

Type locality - Holotype: United States, Northern Illinois (USNM)

16. *Oberea tripunctata* (Swederus, 1787)

Type locality - Holotype: United States, New York (depository unknown). **Distribution** - Eastern North America to Manitoba and Texas. In Canada from the Lac Saint-Jean area in Quebec, west to southeastern Alberta. **Host plants** - *Rhus copallina* Linnaeus (Anacardiaceae), *Solidago canadenses* Linnaeus (Asteraceae), *Carpinus caroliniana* Walter (Corylaceae), *Cornus florida* Linnaeus (Cornaceae), *Oxydendron arboreum* (Linnaeus) de Candolle (Ericaceae), *Prunus persica* (Linnaeus) Batsch, *Rubus idaeus* Linnaeus (Rosaceae), *Populus monilifera* Aiton (Salicaceae)

Cerambyx (Saperda) tripunctatus Swederus, 1787: 197; Gmelin, 1790: 1844

Saperda tripunctata; Fabricius, 1801: 321; Schoenherr, 1817: 428; Harris, 1838: 91; Zimsen, 1964: 174 (type)

Saperda (Oberea) tripunctata; Harris, 1841: 91

Oberea tripunctata; Haldeman, 1847a: 57; Harris, 1852: 100; Le Conte, 1852: 153; Melsheimer, 1853: 111 (cat.); Emmons, 1854: 122, pl. 16, fig. 7; Bland, 1861: 100; Harris,1862: 114, fig. 51; Horn, 1868: 124 (distr.); Lacordaire, 1872: 866; Saunders, 1874: 8 (biol.); Bethune, 1877a: 29 (biol.); 1877b: 226, fig. 8; Provancher, 1877: 636; Popenoe, 1877: 34 (distr.); Horn, 1878: 45; Knobel, 1895: 34, fig. 134; Leng & Hamilton, 1896: 155 (cat.); Wickham, 1897b: 160 (distr.); 1898a: 43; Webster, 1900: 6, fig. 6; Smith, 1900: 297 (distr.); Slosson, 1902: 319 (distr.); Dury, 1902: 163 (distr.); Ulke, 1903: 27 (distr.); Chittenden *in* Webster, 1904: 4; Chagnon, 1905a: 44; Wickham, 1909a: 30 (distr.); 1909b: 402 (distr.); Blatchley, 1910: 1091; Smith, 1910: 336; Elliot & Morley, 1911: 468 (paras.); Forbes, 1911: 44, figs. 48-53; Banks, 1912: 106; Frost, 1912: 307; Swaine, 1912: 72 (biol.); Fisher & Kirk, 1912: 316 (distr.); Casey, 1913: 367; Ruggles, 1915: 79, figs 1-4, 6; Johnson, 1916: 120 (distr.); Chagnon, 1917: 238 (distr.); Nicolay, 1919: 72 (distr.); Britton, 1920: 272 (distr.); Felt, 1923: 85 (biol.); Craighead, 1923: 137, pl. 44 (larva); Mutchler & Weiss, 1923: 17, figs 8, 9; Fletcher, 1926: 144 (distr.); Kirk & Knull, 1926: 45 (distr.); Bird, 1927: 127 (hosts); Leonard, 1928: 456 (distr.); Craighead & Middleton, 1930: 8; Felt & Rankin, 1932: 203 (biol.); Knull, 1932: 64 (hosts); Beaulne, 1932: 2o21 (hosts); Goldman, 1933: 99, pl. 5, figs 72-74; Wolcott & Montgomery, 1933: 157; Loding, 1933: 149 (distr.); Herrick, 1935: 323, fig. 270; Britton & Friend, 1935: 304 (biol.); Pechuman, 1937: 12 (distr.); Chagnon, 1938: 279, pl. 19, fig. 12; Brimley, 1938: 220 (distr.); Langford & Cory, 1939: 47 (biol.); Soraci, 1941: 29 (biol.); Hoffmann, 1942: 11; Townes, 1955: 773 (paras.); Loding, 1945: 125 (distr.); Knull, 1946: 277; Fattig, 1947: 43 (distr.); Weigel & Baumhofer, 1948: 40, fig. 65 (biol.); Crmaighead, 1950: 256 (biol.); Smith, 1953: 51 (biol.); Alexander, 1958: 48 (distr.); Townes & Townes, 1962: 102 (paras.); Breuning, 1962c: 227; Hicks, 1962: 7, fig. 4; Chagnon & Robert, 1962: 279, pl. 19, fig, 12; Bayer & Shenefelt, 1969: 32, fig. 40; Gardiner, 1969: 106 (larva); Kirk,

1970: 84 (distr.); Swan & Papp, 1972: 457, fig. 981; Baker, 1972: 189 (biol.); Kirk & Balbaugh, 1975: 101 (distr.); Stein & Tagestad, 1976: 26; Solomon, Doolittle & Spilman, 1976: 200; Gosling & Gosling, 1976: 34 (distr.); Chamberland, 1976: 89; Headstrom, 1977: 383, fig. 534; Laliberté, Chantal & LaRochelle, 1977: 95; Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 105 (distr., hosts); Drooz, 1985: 299 (biol.); Gosling, 1986: 157 (hosts); Rice, 1988: 414; Chemsak, Linsley & Noguera, 1992: 154 (cat.); MacRae, 1993: 248 (distr.); Monné,M.A., 1995b: 56 (cat.); Linsley & Chemsak, 1995: 241; 1997: 410 (hosts); Yanega, 1996: 146, pl. 2, figs 252; Krinsky & Godwin, 1996: 239; Schiefer, 1998b: 127 (distr.); Heffern, 1998: 23 (distr.); Vlasák & Vlasakova, 2002: 217 (distr., hosts); Monné, M.A., & Hovore, 2006: 290 (checklist); MacRae & Rice, 2007: 256 (distr.); Fothergill, Woodley & Tindall, 2010: 637 (paras.); Holt, 2013: 254 (distr.); Steury & MacRae, 2014: 11 (distr.); Webster, 2016: 489 (distr.); Haack, 2017: 110 (biol.); Klingenman *et al*., 2017: 299 (distr.); Haack. Keena & Eyre, 2017: 73 (biol.);); Bousquet, Laplante, Hammond & Langor, 2017: 183, pl. 44;Haack & Ruesink, 2020: 156

Saperda mandarina Fabricius, 1801: 321; Schoenherr, 1817: 428; Zimsen, 1964: 175 (type)

Oberea mandarina; LeConte, 1852: 152; Melsheimer, 1853: 112; Bland, 1861: 100; Lacordaire, 1872: 866; Riley, 1880a: 271 (hosts); Packard, 1881: 115 (biol.); Beutenmuller, 1896: 81 (hosts); Dury, 1902: 163; Leng, 1910: 78 (distr.); Knull, 1946: 278; Fattig, 1947: 43 (distr.); Smith. 1953: 41; Kirk & Balsbaugh, 1975: 101

Oberea tripunctata var. *mandarina*; Horn, 1878: 47; Wickham, 1898a: 43; Smith, 1900: 297; Wickham, 1909a: 30; Smith, 1910: 336; Fisher & Kirk, 1912: 316; Chagnon, 1917: 238 (distr.); Nicolay, 1919: 72 (distr.); Britton, 1920: 272; Mutchler & Weiss, 1923: 18; Kirk & Knull, 1926: 45 (distr.); Knull, 1932: 64 (hosts); Loding, 1945: 125

Type locality - Holotype: United States, Carolina (ZMUC)

Oberea amabilis Haldeman, 1847a: 57; LeConte, 1852: 152; Melsheimer, 1853: 111 (cat.); Lacordaire, 1872: 866; Provancher, 1877: 636; Popenoe, 1877: 34 (distr.);

Type lo cality - Holotype: United States. (MCZN)

Oberea tripunctata intermedia Casey, 1913: 367; Lingafelter *et al*., 2014: 335, fig. 173 m (lectotype)

Type locality - Lectotype: United States. (USNM)

Oberea tripunctata appalachiana Casey, 1913: 367; 1924: 295; Brimley. 1938: 220; Lingafelter *et al*., 2014: 335, fig. 173 k (holotype)

Type locality - Holotype female: United States, North Carolina: Asheville (USNM)

17. *Oberea ulmicola* Chittenden, 1904

Type locality - Lectotype male: United States, Illinois: Decatur. (USNM) **Distribution** - Northeastern North America, specifically from northern Mississippi, northern Arkansas, eastern Nebraska, central Illinois, and southern Montana and in Canada, northwestern Ontario. **Host plants** - *Celtis laevigata* Willdenow, *Ulmus americana* Linnaeus (Ulmaceae).

Oberea ulmicola Chittenden *in* Wesbster, 1904: 4, pl. 1, fig. 1a; Webster, 1904: 1, 2 pls; Forbes, 1908: 218; Hoffmann, 1942: 11 (host); Knull, 1946: 278 (hosts); Hicks, 1962: 9 (hosts); Peck, 1963: 955 (paras.); Bayer & Shenefelt, 1969: 33, fig. 40; Ruette, 1970: 21 (paratype); Baker, 1972: 190; Drooz, 1985: 300; Yanega, 1996: 146, pl. 22, figs 256a,b; Schiefer, 1998b: 127 (distr.); Monné, M.A., & Hovore, 2006: 290 (cat.); Lingafelter *et al*., 2014: 338, fig. 175 w (lectotype); Bousquet, Laplante, Hammond & Langor, 2017: 183; Heffern, Vlasák & Alten, 2018: 749 (hosts)

Oberea (Amaurostoma) Müller, 1906

Oberea (Amaurostoma) Müller, 1906: 223, Lobl & Smetana, 2010: 296

Type species - *Cerambyx erythrocephalus* Schrank, 1776 (subsequente designation Villiers, 1978)

1. *Oberea (Amaurostoma) erythrocephala* (Schrank, 1776)

Syntypes locality - Syntypes: Austria, Kagran prope Viennam. (NHMW). **Distribution** - Europe, North Africa, Asia Minor, Caucasus, Transcaucasia, northern Iran, Middle East,

southern Urals, northern Kazakhstan. Intoduced and established in Canada (Quebec, Ontario, Alberta) and United States (Nebraska, Idaho). **Host plants** – *Euphorbia* spp. (Euphorbiaceae).

Cerambyx erythrocephalus Schrank, 1776: 67

Oberea erythrocephala; Mulsant, 1839: 19; Yanega, 1996: 142, pl. 21, fig. 243; Monné, M.A. & Hovore, 2006: 290 (cat.); Spomer, 2014: 203; Haack, 2017: 119 (hosts); Rice, MacRae & Merickel, 2017: 671 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 181, pl. 45

Saperda cincta Gebler, 1830: 186

Syntypes locality - Syntypes: Rusia, Altai, Siberia (MNHN)

Saperda luteicollis Gebler, 1833: 275

Oberea nigriceps Mulsant, 1862: 394

Syntypes locality - Syntypes: France, Rhone, environs de Lyon (MNHN)

Oberea insidiosa Mulsant, 1862: 396

Type locality - Holotype female: Croacia, Dalmatia (MNHN)

Oberea melitana Reiche, 1877: clxix

Type locality - Holotype: Malta, Insula Melita (MNHN)

Saperda (Compsidia) Mulsant, 1839

Saperda (Compsidia) Mulsant, 1839: 182

Compsidia Mulsant, 1839: 182

Saperda (Compsidia); Reitter. 1912: 64

1. *Saperda (Compsidia) moesta* LeConte, 1850: 234

Type locality - Holotype female: Canada, North side of the Lake Superior. (MCZN). **Distribution** - From Cape Breton Island to central Alaska, south to Idaho, Colorado, and Pennsylvania. **Host plants** – *Populus balsamifera* (Linnaeus) (Salicaceae)

Saperda moesta LeConte, 1850: 234; 1852: 163; Melsheimer, 1853: 111 (cat.); Bland, 1861: 99 (distr.); Lacordaire, 1872: 834; LeConte, 1873b: 346; 1873a: 239; Saunders, 1874: 61; Provancher, 1877: 635; Riley, 1880a: 271 (hosts); Packard, 1881: 118 (biol.); LeConte & Horn, 1883: 331; Dimmock, 1884: 326; Harrington, 1884c: 102 (biol.); Packard, 1890: 436 (biol.); Harrington. 1890: 52; Kellicott, 1892: 209 (hosts); Evans, 1895: 173 (distr.); Beutenmuller. 1896: 80 (hosts); Leng & Hamilton, 1896: 151; Chagnon, 1897: 15 (distr.); Wickham, 1898a: 42; Harrington, 1899a: 68; Smith, 1900: 297 (distr.); Ouellet, 1902: 123 (distr.); Felt & Joutel, 1904: 68, fig. 7b, pl. 7, figs 5, 7,10; Chagnon, 1905a: 43; Beaulne, 1932: 221 (hosts); Chagnon, 1938: 276; Craighead, 1950: 266; Townes & Townes, 1960: 134 (paras.); 1962: 483 (paras;); Chagnon & Robert, 1962: 276; Gardiner, 1969: 102; Baker, 1972: 188; Drooz, 1985: 298

Saperda populnea moesta; Felt, 1906: 474; Hatch, 1925: 581; Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 456 (distr.); Doane *et al*., 1936: 192; Knowlton & Thatcher, 1936: 281 (distr.); Knull, 1946: 273; Clark, 1956: 42 (distr.); Wong & McLeod, 1965: 3 (biol.); Bayer & Shenefelt, 1969: 32, fig. 40; Hatch, 1971: 154; Gosling & Gosling. 1976: 32 (distr.); Laliberté, Chantal & LaRochelle.1977: 98 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 152 (cat.); Monné, M.A., 1995b: 48 (cat.); Monné, M.A., & Giesbert, 1994: 283 (cat.); Linsley & Chemsak, 1995: 173; 1997: 431 (hosts); Yanega, 1996: 140, pl. 24, figs 267 a, b; Heffern, 1998: 22 (distr., hosts); Monné, M.A., & Hovore, 2006: 297 (checklist); Webster, 2016: 489; Webster, McCorquodale & Majka, 2009: 302 (distr); Webster, 2016: 489 (distr.)

Compsidia modesta; Vives, 2000: 476

Compsidis moesta moesta; Shapovalov, 2013: 140, fig. 1

Saperda moesta moesta; Wallin, Kvamme & Bergsten, 2017: 107 (hosts)

1a. *Saperda (Compsidia) moesta tulari* Felt & Joutel, 1904

Type locality - Holotype female: United States. California: Tulare County (AMNH). Distribution - Washington to California and Nevada. **Host plants** - *Populus fremonti* Watson (Salicaceae)

Saperda populnea tulari Felt & Joutel, 1904:70 figs; Doane *et al*., 1936: 192; Breuning, 1952: 657; Chemsak Linsley & Noguera, 1992: 152 (cat.); Linsley & Chemsak, 1995: 274; Monné, M.A., 1995b: 49 (cat.); Vives, 2000: 476; Monné, M.A., & Hovore, 2006: 297 (checklist);
Saperda populnea var. *tulari*; Felt, 1906: 474; Garnett, 1918: 283 (distr.); Essig, 1926: 462; Hatch, 1971: 154, pl. 18, fig. 7
Saperda moesta tulari; Shapovalov, 2013: 140; Rice, MacRae & Merickel, 2017: 671 (distr); Wallin, Kvamme & Bergsten, 2017: 107 (hosts)

2. *Saperda (Compsidia) populnea* (Linnaeus, 1758)

Syntypes locality - Syntypes male: Sweden. (BMNH). **Distribution**. This species is widely distributed in the Palaearctic Region from Europe to Japan and Sakhalin. In North America, it ranges from southern British Columbia, including Vancouver Island, south to the Los Angeles area in California and New Mexico. **Host plants** - *Populus* spp., *Salix* spp, (Salicaceae)

Cerambyx populneus Linnaeus, 1758: 394
Saperda populnea; Fabricius, 1775: 186; Felt, 1906: 474; Furniss & Carolin, 1977: 214 (distr.); Chemsak, Linsley & Noguera, 1992: 152 (cat.0 Linsley & Chemsak 1995: 172; Monné, M.A. & Giesbert, 1995: 283 (cat.); Monné, M.A., & Hovore, 2006: 297 (checklist); Korotyaev *et al*., 2005: 253 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 175, pl. 42
Cerambyx decempunctatus Degeer, 1775: 78
Type locality - Lectotype male: Sweden. (NHRS)
Leptura betulina Geoffroy, 1785: 78
Type locality - Holotype: France, Paris, Seine (MNHN)
Saperda salicis Zettersted, 1818: 258
Type locality - Lectotype male: Sweden, Skane, Abusa, near Lund (Lund Zoological Institut)

Saperda Fabricius, 1775

Saperda Fabricius, 1775: 184; 1787: 147; 1792: 307; 1801: 317; Audinet-Serville, 1835: 45; Laporte, 1840: 495; Blanchard. 1845: 162; Haldeman, 1847a: 55; LeConte, 1852: 161; Thomson. 1860: 41; 1864: 115; Mulsant. 1862: 377; Chenu, 1870: 327; Lacordaire. 1872: 832; LeConte, 1873b: 346; Provancher, 1877: 632; LeConte & Horn, 1883: 231; Leng & Hamilton, 1896: 346; Wickham, 1897a: 203; Felt & Joutel, 1904: 4; Casey, 1913: 358; Craighead, 1923: 127; Mutchler & Weiss, 1923: 19; Bradley, 1930: 247; Chagnon. 1938: 276; Knull, 1946: 267; Craighead, 1950: 263; Breuning, 1952: 141; Dillon & Dillon, 1961: 246; Arnett, 1962: 873; Bayer & Shenefelt. 1969: 30; Hatch. 1971: 154; Baker, 1972: 184; Headstrom, 1977: 380; Marinoni, 1977a: 49; Rice & Enns, 1981: 102; Drooz, 1985: 295; Monné, M.A., 1995b: 49 (cat.); Linsley & Chemsak, 1995: 162; Monné, M.A., & Hovore, 2006: 296 (checklist); Bousquet, 2008: 622.
Type species - *Cerambyx carcharias* Linnaeus, 1758 (Guérin-Méneville designation, 1829: 151)
Anaerea Mulsant, 1839: 184; Haldeman, 1847a: 55; Mulsant, 1862: 274
Type species - *Cerambyx carcharias* Linnaeus, 1758 (monotypy)
Amilia Mulsant, 1862: 375
Type species - *Saperda similis* Laicharting, 1784 (monotypy)

1. *Saperda calcarata* Say, 1824

Syntypes locality - Syntypes: United States, Missouri Territory (depository unknown). **Distribution** - From Cape Breton Island to Vancouver Island, north to the Caribou Lake area in northern Alberta, south to northeastern California, eastern Texas, and southern Georgia. **Host plants** - *Populus deltoides* Bartram ex Marshall, *P. nigra* Linnaeus, *P. tremuloides* Michaux, *Salix* sp. (Salicaceae).

Saperda calcarata Say, 1824: 408; Harris, 1838: 89; 1841: 88; Fitch, 1845: 252, pl. 3, fig.8; Harris, 1852: 93; LeConte, 1852: 162; 1859a: 49; 1859b: 190; Fitch, 1859: 844; Harris, 1862: 106, pl. 2, fig. 21; Walsh, 1866b: 64; LeConte, 1869: 371; Packard, 1870: 593, fig. 119; Lacordaire, 1872: 834; LeConte, 1873a: 238; 1873b: 346; Popenoe, 1877: 34 (distr.);

Provancher, 1877: 632; Riley, 1880a: 181, 271 (hosts); Packard, 1881: 115, fig. 56; LeConte & Horn, 1883: 331; Jack, 1886: 23 (hosts); Saunders, 1887: 29 (distr.); Lugger, 1889: 55, fig. 8 (biol.); Packard, 1890: 426, figs 160, 161; Dury, 1892: 54 (biol.); Bruner, 1893: 295, figs 34, 35; Knobel, 1895: 34, fig. 121; Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 148 (cat.); Beutenmuller, 1896: 80 (hosts); Ehrmann, 1897: 170 (distr.); Wickham, 1897b: 159 (distr.); 1898a: 40; Harrington, 1899a: 62; Lugger, 1899: 215 (hosts); Smith, 1900: 296 (distr.); Dury, 1902: 163; Ouellet, 1902: 123 (distr.); Felt, 1902b: 168 (biol.); Hopkins, 1904: 35; Chagnon, 1905: 43; Felt, 1905: 98, figs (biol.); Wickham, 1909a: 29 (distr.); Blatchley, 1910: 1085, fig. 469; Smith, 1910: 335; Gee, 1912: 336; Frost, 1912: 307 (biol.); Fisher & Kirk, 1912: 315; Caesar, 1912: 34 (biol.); Dow, 1913: 79; Swaine, 1913: 91 (biol.); Johnson, 1915: 316 (distr.); Chagnon, 1917: 337 (distr.); Morris, 1918: 42; Houser, 1918: 318, pl. 24, figs 2,3 (biol.); Nicolay, 1919: 72 (distr.); Britton, 1920: 271 (distr.); Hofer, 1920: 1, figs 1-9; Kotinsky, 1921: 58, figs 35, 36; Craighead, 1923: 128, pls. (larva); Mutchler & Weiss, 1923: 4, fig. 15C, pl. 10, fig. 7; Casey, 1924: 295; Hardy, 1926: 10; Essig, 1926: 461; Kirk & Knull, 1926: 45 (distr.); Knaus, 1927: 127 (distr.); Procter, 1927: 113 (biol.); Hardy & Preece, 1927: 66 (hosts); Leonard, 1928: 455 (distr.); Graham, 1929: 202, figs 97, 99, 100 (biol.); Petch, 1929: 18 (hosts); Craighead & Middleton, 1930: 9 (biol.); Felt & Rankin, 1932: 431, fig. 214; Beaulne, 1932: 221 (hosts); Knowlton, 1934: 86 (distr.); Herrick, 1935: 269, fig. 229 (biol.); Dunn, 1936: 8 (hosts); Doane *et al*., 1936: 191, fig. 102 (biol.); Chagnon, 1938: 278, pl. 19, fig. 8; Keen, 1938: 137 (biol.); Brown, 1939: 109; Fenton, 1939: 19; Langford & Cory, 1939: 52; Loding, 1945: 125 (distr.); Procter, 1946: 184 (biol.); Knull, 1946: 269; Fattig, 1947: 41 (distr.); Peterson. 1948: 46 (biol.); Craighead, 1950: 264, figs 56a, 56b (larva, nymph); Knowlton & Wood, 1950: 13 (distr.); Keen, 1952: 174 (biol.); Duffy, 1953: 291 (larva); Shenefelt & Benjamin, 1955: 95 (biol.); Clark, 1956: 42 (distr.); English, 1958: 59 (biol.); Alexander, 1958: 50 (distr.); Townes & Townes, 1960: 136 (paras.); Dillon & Dillon, 1961: 647, pl. 65; Chagnon & Robert, 1962: 278; Townes & Townes, 1962: 319 (paras.); Cottrell, 1962: 33 (biol.); Wong, McLeod & Drouin, 1963: 2 (biol.); Abdullah & Abdullah, 1966: 91; Garland & Worden, 1969: 81 (biol.); Bayer & Shenefelt, 1969: 31; Gardiner, 1969: 104; Solomon, 1969: 1214; Hatch, 1971: 155, pl. 18, fig. 2; Baker, 1972: 185, fig. 60; Solomon, Newsome & Darwin, 1972: 78; Swan & Papp, 1972: 455, fig. 976; Kirk & Balsbaugh, 1975: 100 (distr.); Drouin & Wong, 1975: 433 (biol.); Gosling & Gosling, 1976: 30 (distr.); Chamberland, 1976: 89; Stein & Tagestad, 1976: 34; Laliberté, Chantal & LaRochelle, 1977: 97 (distr., hosts); Solomon, 1977a: 298 (biol.); Headstrom, 1977: 381; Furniss & Carolin, 1977: 313 (biol.); Turnbow & Franklin, 1980: 246 (distr.); Rice & Enns, 1981: 103 (distr., hosts); Arnett, 1985: 372, fig. 24.209; Drooz, 1985: 295, fig. 132; White, 1985: 289; Kukor & Martin, 1985: 138; Chemsak, Linsley & Noguera, 1992: 151 (cat.); MacRae, 1993: 247 (distr.); Lingafelter & Horner, 1993: 187 (distr.); Monné, M.A., & Giesbert, 1994: 274 (cat.); Monné, M.A., 1995b: 42 (cat.); Linsley & Chemsak, 1995: 168, fig. 29; Monné, M.A., 1995b: 42 (cat.); Yanega, 1996: 139, pl. 23, figs 263 a; 263 b: Linsley & Chemsak, 1997: 430 (hosts); Heffern, 1998: 22 (distr., hosts); Schiefer, 1998b: 126 (distr.); Vlasák & Vlasakova, 2002: 216 (distr., hosts); Broberg & Borden, 2005: 27 (hosts); Monné, M.A., & Hovore, 2006: 296 (checklist); Majka, McCorquodale & Smith, 2007: 262; Webster, McCorquodale & Majka, 2009: 301 (distr., hosts); Holt. 2013: 254 (distr.); Webster, 2016: 489 (distr.); Haack, 2017: 117 (hosts); Rice, MacRae & Merickel, 2017: 671 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 173, fig. 41

Anaerea calcarata; Haldeman, 1847a: 55; Melsheimer, 1853: 110

Saperda (Anaerea) calcarata; Emmons, 1854: 121, pl. 16, fig. 1; Breuning, 1952: 153, pl. 4, fig. 12 (revis.);

Saperda adspersa LeConte, 1850: 234; 1852: 152; Melsheimer, 1853: 111; Lacordaire, 1872: 834; Loding, 1933: 149 (distr.); Gardiner, 1969: 104

Type locality - Holotype: United States, Lake Superior (MCZN)

2. *Saperda candida* Fabricius, 1787

Type locality - Holotype: locality unknown. (HMUG). **Distribution** - From Cape Breton Island to the Edmonton area in central Alberta, to Oklahoma and northern Florida. **Host plants** - *Amelancher alnifolia* Nuttall, *A. canadensis* Medikus, *Cydonia oblonga* Miller, *Prunus avium* (Linnaeus) Linaeus, *P. domestica* Linnaeus, *Pyrus comunnis* Linnaeus, *Sorbus americana* Marshall (Rosaceae).

Saperda candida Fabricius, 1787: 147; 1793: 307; 1801: 319; Fitch, 1845: 251; Haldeman, 1847a: 55; LeConte, 1852: 163; Melsheimer, 1853: 110 (cat.); Emmons, 1854: 121, pl. 16, fig. 3; Fitch, 1855: 715; Thomson, 1858: 392; Fitch, 1859: 783 (biol.); Bland, 1861: 99 (distr., hosts); Couper, 1862: 278 (biol.); Riley, 1870: 19; Provancher, 1870: 351, fig. 36; Bethune, 1871: 69; Packard, 1872: 500, fig. 492; Lacordaire, 1872: 834; LeConte, 1873a: 238; LeBaron, 1874: 157; Provancher, 1877: 632, fig. 48 (distr., hosts); Thomas, 1877: 152; Popenoe, 1877: 34; Bethune, 1877a: 26, fig. 3; 1877b: 224, pl. 6; Zimmerman, 1878: 220 (biol.); Brackett, 1879: 286; Riley, 1880a: 271 (hosts); Fuller, 1880: 173 (biol.); Cook, 1881: 191; Saunders, 1883: 203; 1883: 16; Harrington, 1884b: 45, fig. 16 (biol.); Lintner, 1885b: 590 (biol.); 1885a: 105; 1889b: 269, fig. 99; Gillette, 1889: 178, fig. 14; Tolman, 1889: 343 (biol.); Townsend, 1889: 233 (distr.); Riley & Howard, 1890: 59; Harrington, 1890b: 52, fig. 35 (biol.); Beutenmuller, 1891: 31 (biol.); Smith, 1891: 43; Weed, 1891: 29, fig. 9; Lintner, 1891: 313, fig. 31; Smith, 1892: 65, fig. 15; Chambliss, 1893: 6, fig. 2; Jack, 1894: 137 (biol.); Bruner, 1894: 161, figs. 24, 25; Davis, 1895: 77, figs 1-3; Hamilton, 1895a: 339 (distr.); Knobel, 1895: 34, fig. 122 (biol.); Flechter, 1896: 480 (biol.); Beutenmuller, 1896: 80 (hosts); Leng & Hamilton, 1896: 148 (cat.); Bogue, 1897: 12, figs 8,9; Fyles, 1897: 39, fig. 44; Johnston, 1898: 71 (distr.); Wickham, 1898a: 41, fig. 5; Faville & Parrott, 1898: 50; Chittenden, 1898: 1, fig. 1; Bruner, 1899: 160, figs 33,34; Fyles, 1899: 47, fig. 16c; Lugger, 1899aa: 210, figs 133, 134; 1899b: 126, figs 133-134; Stedman, 1899: 14, fig. 6; Harrington, 1899a: 62; Felt, 1900a: 577 (biol.); 1900b: 10, fig. 8; Smith, 1900: 296, figs; Webster, 1900: 5, fig. 5; 1901: 43, fig. 44; Chittenden, 1902: 1, fig. 1; Banks, 1902: 39, fig. 36; Ulke, 1903: 27 (distr., hosts); Lockhead, 1903: 103, fig. 67; Felt & Joutel, 1904: 23,figs; Pettit, 1904: 6, fig. 2 (biol.); Horsfall, 1904: 6, fig. 2; Felt, 1905: 94, fig. 10; Chagnon, 1905a: 43; Chittenden, 1907: 1, fig. 1 (biol.); Garcia, 1908: 51, fig. 53 (biol.); Wickham, 1909a: 29 (distr.); Leng, 1910: 78 (distr.); Blatchley, 1910: 1085, fig. 470; Smith, 1910: 336, figs 134, 135; Swaine, 1912: 72, fig. 31 (biol.); Fisher & Kirk, 1912: 305 (distr.); Lamson, 1912: 61, fig. 6; Baldwin, 1912: 58 (biol.); Petch, 1913: 73, fig. 18 (biol.); Brooks, 1914: 179, figs 29-31; Adams, 1915: 146, pl. 26; Lovell, 1915: 115 (biol.); Davis, 1916: 166 (distr.); Becker, 1917: 66; Hess, 1917: 64, 67-68; Caesar, 1917: 33; Gibson, 1917: 150 (distr.); Brooks, 1919: 1 (biol.); 1920:1 (biol.); Becker, 1919: 24 (biol.); Nicolay, 1919: 72 (distr.); Frost, 1920: 26 (biol.); Craighead, 1920: 9; King, 1920: 432 (biol.); Herrick, 1920: 37 (biol.); Britton, 1920: 271 (distr.); Haseman, 1920: 5, fig. 3; Quaintance & Siegler, 1922: 71, figs 144-148; Mutchler & Weiss, 1923: 5, figs 1, 78; Craighead, 1923: 129, pl. 24, fig. 15 (larva); Fletcher, 1926: 143 (distr.); Kirk & Knull, 1926: 45 (distr.); Essig, 1926: 461 (biol.); Procter, 1927: 113 (distr.); Bird, 1927: 127 (hosts); Britton & Zappe, 1927: 131, fig. 19 (biol.); Leonard, 1928: 455 (distr.); Petch, 1929: 17 (biol.); Ware, 1929: 369 (distr.); Guyton & Knull, 1929: 1 (biol.); Petch, 1930: 1, figs 1-3; Pettit & Hutson, 1931: 52; Beaulne, 1932: 221 (hosts); Felt & Rankin, 1932: 144, fig. 32 (biol.); Goldman, 1933: 98, pl. 5, figs 59-63 (morph.); Herrick, 1935: 204 (biol.); Doane *et al*., 1936: 191; Kaston, 1937: 355; Brimley, 1938: 219 (distr.); Chagnon, 1938: 276, pl. 19, fig. 6; Langford & Cory, 1939: 50; Hess, 1940: 5, figs 1-36; Chandler & Flint, 1942: 1, figs 1-6; Smith *et al*., 1943: 316, fig. 318, pl. 4, fig. 9; Loding, 1945: 124 (distr.); Knull, 1946: 269; Procter, 1946: 183 (biol.); Fattig, 1947: 41 (distr.); Craighead, 1950: 264 (biol.); Alexander, 1958: 50 (biol.); Dillon & Dillon, 1961: 647, pl.; Townes & Townes, 1962: 484 (paras.); Chagnon & Robert, 1962: 276, pl. 19, fig. 6; Peck, 1963: 955 (paras.); Zimsen, 1964: 174 (type); Abdullah & Abdullah, 1966: 91; Bayer & Shenefelt, 1969: 31, fig. 39; Hatch, 1971: 155, pl. 18, fig. 3; Swan & Papp, 1972: 455, fig. 977; Baker, 1972: 187; Kirk & Balsbaugh, 1975: 100 (distr.); Stein & Tagestad, 1976: 35; Gosling & Gosling, 1976: 31 (distr.); Chamberland, 1976: 89; Laliberté, Chantal & LaRochelle, 1977: 97 (distr., hosts); Headstrom, 1977: 380, fig. 530; Turnbow & Franklin, 1980: 346; Rice & Enns, 1981: 103 (distr., hosts); Chemsak & Linsley, 1982: 107 (cat.); Arnett, 1985: 371, fig.

24.208; White, 1985: 288, pl., 11; Drooz, 1985: 297 (biol.); Gosling, 1986: 257 (hosts); Monné, M.A., & Giesbert, 1994: 274 (cat.); Monné, M.A., 1995b: 43 (cat.); Chemsak, Linsley & Noguera, 1992: 152; MacRae, 1993: 247 (distr.); Monné, M.A., 1995b: 43 (cat.); Linsley & Chemsak, 1995: 178; 1997: 430 (hosts); Yanega, 1996: 139, pl. 24, fig. 179; Peck & Thomas, 1998: 123 (distr.); Schiefer. 1998: 126 (distr.); Vlasák & Vlasakova, 2002: 216 (hosts); Morris, 2002: 212 (distr.); Monné, M.A., & Hovore, 2006: 296 (checklist); Nolte & Krieger, 2008: 133; Webster, McCorquodale & Majka, 2009: 301 (distr.); Guarnieri, 2009: 20 (distr.); Holt, 2013: 254 (distr.); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 299 (distr.); Haack, 2017: 117 (distr., hosts); Bousquet, Laplante, Hammond & Langor, 2017: 173, pl. 43; Maier, 2020: 85

Cerambyx (Saperda) candidus; Gmelin, 1790: 1838

Saperda bivittata Say, 1824: 409; Buel, 1826: 191; Harris, 1838: 90 (biol.); 1841; 89; Morris, 1846: 98, fig. 29; Harris, 1852: 94; Emmons, 1854: 121, pl. 16, fig. 3; Fitch, 1855: 715; 1856: 419; 1857: 317, pl. , fig. 2; LeConte, 1859b: 190; Harris, 1862: 107, pl. 2, fig. 17; Riley, 1865: 21, figs 1-5; Walsh, 1866b: 47; 1866c: 26; 1867: 92 (biol.); Walsh & Riley, 1869: 168 (bil.); Riley, 1869: 42, fig. 14c; Wielandy, 1870: 148 (biol.); Bethune, 1871: 69, fig. 2; Thomas, 1877 152; Packard, 1881: 136 (biol.); Dimmock, 1884: 325; Packard, 1890: 536; Treat, 1893: 16.

Syntypes locality - Syntypes male and female: United State (depository unknown).

Saperda bipunctata Hopping, 1925: 208; Criddle, 1928: 97 (distr.); Abdullah & Abdullah, 1966: 91; Ruette, 1970: 21 (types)

Saperda (Saperda) candida m. *bipunctata*; Breuning, 1952: 172, pl. 5, fig. 21

Saperda candida bipunctata; Chemsak, Linsley & Noguera, 1992: 151 (cat.)

Type locality - Holotype male: Canada, Manitoba: Auvergne) (CNCI).

3. *Saperda cretata* Newman, 1838

Syntypes locality - Syntypes: United States (BMNH). **Distribution** - From the Great Lakes area in southern Ontario and the Winnipeg area in southeastern Manitoba, south to east-central Texas northeastern Mississippi, central Alabama, and central Georgia. **Host plants** - *Amelancher arborea* (Michaux fils) Fernald, (Rosaceae).

Saperda cretata Newman, 1838: 395; Guérin-Méneville, 1844: 245; LeConte, 1852: 164; Melsheimer, 1853: 111; Lacordaire, 1872: 834; LeConte, 1873a: 238; Osborn, 1881: 244 (biol.); Cook, 1881: 191; Horn, 1885b: 6; Harrington, 1890b: 52 (biol.); Hanham, 1894: 352 (distr.); Knobel, 1895: 34, fig. 123; Hamilton, 1895a: 339 (distr.); Wickham, 1898a: 41; Chittenden, 1898: 4, fig. 2 (biol.); Lugger, 1899a: 215, fig. 135 (hosts); 1899b: 131, fig, 135; Wenzel, 1902: 266 (distr.); Chittenden, 1902: 8, fig. 2; Felt & Joutel, 1904: 50, pl. 4, figs 1, 2; Chagnon, 1905b: 36 (biol.); Chittenden, 1907: 7, fig. 2; Wickham, 1909a: 29 (distr.); Blatchley, 1910: 1085, fig. 472; Chagnon, 1917: 237 (distr.); Brooks, 1920: 1; Britton, 1920: 272 (distr.); Mutchler & Weiss, 1923: 13, figs; Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 455 (distr.); Beaulne, 1932: 221 (hosts); Doane *et al*., 1936: 191; Knull, 1946: 270, pl. 21, fig. 83; Breuning, 1952: 168, pl. 4, fig. 19 (revis); Dillon & Dillon, 1961: 650, pl. 65; Abdullah & Abdullah, 1966: 91; Bayer & Shenefelt, 1969: 31, fig. 39; Baker, 1972: 188; Swan & Papp. 1972: 456, fig. 978; Gosling & Gosling, 1976: 31 (distr.); Headstrom, 1977: 381, fig.532; Drooz, 1985: 298; Chemsak, Linsley & Noguera, 1992: 151 (cat.); Linsley & Chemsak, 1995: 196; 1997: 430 (hosts); Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 45 (cat.); Yanega, 1996: 139, pl. 24, fig. 278; Schiefer, 1998b: 126 (distr.); Vlasák & Vlasakova, 2002: 216 (distr.); Morris, 2002: 212 (distr.); Korotyaev *et al*., 2005: 253 (hosts); Monné, M.A., & Hovore, 2006: 297 (checklist); MacRae & Rice, 2007: 256 (distr.); Holt, 2013: 254 (distr., Haack, 2017: 117 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 173, pl. 43

4. *Saperda discoidea* Fabricius, 1798

Type locality - Holotype: North America. (ZMUC). **Distribution** - From southern Quebec to eastern South Dakota, south to southern Oklahoma and northern Florida. **Host plants** -

Carya amara (Michaux fils) Nuttall ex Elliott, *C. glabra* (Miller) Sweet, *C. ovata* (Miller) K.Koch, *Juglans nigra* Linnaeus (Juglandaceae)

Saperda discoidea Fabricius, 1798: 147; 1801: 322. Schoenherr, 1817: 430; Haldeman, 1847a: 373; LeConte, 1852: 163; Melsheimer, 1853: 111 (cat.); Fitch, 1857: 440; LeConte, 1859a: 49; Bland, 1861: 99 (distr., hosts); Lacordaire, 1872: 834; LeConte, 1873a: 238; Popenoe, 1877: 34 (distr.); LeConte, 1880: 237 (hosts); Riley, 1880a: 271 (hosts); Packard, 1881: 70 (biol.); Moffat, 1882b: 58 (distr.); Harrington, 1884c: 102 (distr.); 1884b: 49 (hosts); Hamilton, 1885: 47 (biol.); Packard, 1890: 287 (biol.); Harrington, 1890b: 52; 1891: 133 (paras.); Hopkins, 1893: 198 (biol.); Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 80 (hosts); Leng & Hamilton, 1896: 150 (cat.); Wickham, 1898a: 41; Lugger, 1899: 215 (hosts); Smith, 1900: 297 (distr.); Dury, 1902: 163 (distr.); Ulke, 1903: 27 (distr.); Hopkins, 1904: 36 (biol.); Felt & Joutel, 1904: 52, pl. 3, figs 2, 5,6; Felt, 1905: 269 (biol.); Champlain, 1909: 180 (distr.); Wickham, 1909a: 29 (distr.); Leng, 1910: 78 (distr.); Blatchley, 1910: 1085; Smith, 1910; 336; Elliott & Morley, 1911: 467 (paras.); Fisher & Kirk, 1912: 315 (distr.); Dow, 1913: 79; Wenzel, 1913: 429 (distr.); Chagnon, 1917: 237 (distr.); Nicolay, 1919: 72 (distr.); Craighead, 1920: 9; Britton, 1920: 272 (distr.); Rohwer, 1921: 438 (paras.); Mutchler & Weiss, 1923: 9, pl. 10, figs 5,6; Craighead, 1923: 130, pl. 44 (larva); Blackman & Stage, 1924: 121; Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 456 (distr.); Felt & Rankin, 1932: 259; Barrett, 1932: 291 (hosts); Beaulne, 1932: 221 (hosts); Herrick, 1935: 119 (biol.); Doane *et al*., 1936: 191 (biol.); Kaston, 1937: 357; Townes, 1944: 273 (paras.); Loding, 1945: 125 (distr.); Procter, 1946: 184 (distr.); Knull, 1946: 271. Fattig, 1947: 42 (distr.); Craighead, 1950: 227; Breuning, 1952: 157 (revis.); Duffy, 1953: 290, fig. 279 (larva); Alexander, 1958: 50 (distr.); Townes & Townes, 1960: 140 (paras.); Dillon & Dillon, 1961: 650, pl. 54; Townes & Townes, 1962: 496 (paras.); Zimsen, 1964: 175 (type); Abdullah & Abdullah, 1966: 91; Wray, 1967: 46 (distr.); Gardiner, 1969: 102 (larva); Baker, 1972: 187; Kirk & Balsbaugh, 1975: 100; Solomon, Doolittle & Spilman, 1976: 290; Gosling & Gosling, 1976: 31 (distr.); Headstrom, 1977: 382; Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 103 (distr., hosts); Gosling, 1984: 73 (hosts); Drooz, 1995: 298 (biol.); Chemsak, Linsley & Noguera, 1992: 151 (cat.); MacRae, 1993: 247 (distr.); Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 45 (cat.); Linsley & Chemsak, 1995: 192, fig. 36; Yanega, 1996: 139, pl. 24, figs 275; Linsley & Chemsak, 1997: 430 (hosts); Schiefer, 1998b: 126 (distr.); Peck & Thomas, 1998: 124 (distr.); Vlasák & Vlasakova, 2002: 216 (distr., hosts); Monné, M.A., & Hovore, 2006: 297 (checklist); Guarnieri, 2009: 20 (distr.); Guarnieri, 2010: 24 (distr.); Holt, 2013: 25 (distr., hosts); Klingeman *et al*., 2017: 299 (distr.); Haack. 2017: 117 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 173, pl. 41

Saperda fuscipes Say, 1826: 273; LeConte, 1852: 163; 1859b: 331; Lacordaire, 1872: 834;
Stenostola fuscipes; Haldeman, 1847a: 56

Syntypes locality - Syntypes: United States (depository unknown)

Stenostola fuscipes var. *dorsalis* Haldeman, 1847a: 56

Type locality - Holotype: United States. (MCZN)

5. *Saperda fayi* Bland, 1863

Type locality - Lectotype male: United States, Ohio. (ANSP). **Distribution** - . From the Fredericton area in southern New Brunswick to Lake Minisinakwa in central Ontario, north to the Gaspe area in Quebec, south to Pennsylvania and New Jersey. **Host plants** - *Crataegus crus-galli* Linnaeus, *C. oxyacantha* Linnaeus, *C. tomentosa* Linnaeus (Rosaceae).

Saperda Fayi Bland, 1863: 320; LeConte, 1873a: 238; Zimmerman, 1878: 220; Riley, 1880a: 271 (hosts); Moffat, 1881: 175 (biol.); 1882a: 29; Hamilton, 1888a: 6 (biol.); 1888b: 41 (biol.); 1889: 104 (biol.)

Saperda fayi; Packard, 1890: 536 (hosts); Harrington, 1890b: 52 (biol.); Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 149 (cat.); Beutenmuller, 1896: 80 (hosts); Chittenden, 1898: 8 (biol.); Wickham, 1898a: 41; Smith, 1900: 297 (distr.); Felt & Joutel, 1904: 62, pls.; Felt, 1905: 283, pl. 6; Smith, 1910: 336; Blatchley, 1910: 1085; Mutchler & Weiss, 1923: 7,

22, fig. 2, pl. 10, fig. 8; Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 456 (distr.); Felt & Rankin, 1932: 459; Beaulne, 1932: 221 (hosts); Knull, 1946: 272; Craighead, 1950: 266 (biol.); Abdullah & Abdullah, 1966: 91; Baker, 1972: 188; Gosling & Gosling, 1976: 31 (distr.); Chamberland, 1976: 89 (distr.); Laliberté, Chantal & LaRochelle, 1977: 98 (distr., hosts); Headstrom, 1977: 382; Drooz, 1985: 298; Chemsak, Linsley & Noguera, 1992: 151 (cat.); Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 46 (cat.); Linsley & Chemsak, 1995: 197 (syn.); 1997: 430 (hosts); Yanega, 1996: 139, pl. 24, figs 277; Vlasák & Vlasakova, 2002: 216 (distr., hosts); Korotyaev *et al*., 2005: 253; Monné, M.A., & Hovore, 2006: 297 (checklist); Webster, McCorquodale & Majka, 2009: 302 (distr.); Webster, 2016: 489 (distr.); Haack. 2017: 117 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 174, pl. 43

Saperda (Saperda) Fayi; Breuning, 1952: 165, pl. 4, fig. 18 (revis.)

Saperda shoemakeri Davis, 1923: 97; Leonard, 1928: 456 (distr.); Chemsak & Linsley, 1982: 107 (cat.); Chemsak, Linsley & Noguera, 1992: 152 (cat.); Monné, M.A., 1995b: 49 (cat.)

Saperda (Saperda) Fayi m. *Shoemakeri*; Breuning, 1952: 157 (revis.)

Type locality - Holotype male: United States, New York, Ulster County, Oliverca, near Slide Mountain (Catskill Mountains). (USNM)

6. *Saperda hornii* Joutel, 1902

Type locality - Holotype male: United States, California, Yosemite (USNM). **Distribution** - Pacific Coast from British Columbia to southern California and Utah. **Host plants** - *Salix lasiolepis* Bentham. *S. scouleriana* Barratt ex Hooker (Salicaceae)

Saperda hornii Joutel, 1902: 33, pl. 2, figs 1-5; Felt & Joutel, 1904: 22, pl. 7, fig. 3; Garnett, 1918: 283 (distr.); Craighead, 1923: 128, pl. 23, fig. 9 (larva); Casey, 1924: 295; Criddle, 1925: 98 (distr.); Essig, 1926: 462 (biol.); Hopping, 1931: 237; Beaulne, 1932: 221 (hosts); Linsley, 1936:119 (biol.); Doane *et al*., 1936: 192 (biol.); Knowlton & Wood, 1950: 13 (distr.); Breuning, 1952: 161 (revis.); Chemsak, 1958: 41 (hosts); Abdullah & Abdullah, 1966: 91; Tyson, 1966: 206 (hosts); Hatch, 1971: 154; Chemsak, Linsley & Noguera, 1992: 151 (cat.); Linsley & Chemsak, 1995: 175; 1997: 431 (hosts); Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 46 (cat.); Monné, M.A., & Hovore, 2006: 297 (checklist); Lingafelter *et al*., 2014: 76, fig. 86 e (holotype); Rice, MacRae & Merickel, 2017: 671 (distr.); Heffern, Vlasák & Alten, 2018: 749 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 174, pl. 42; Gimmel *et al*., 2023: 255 (distr.)

;

Saperda uteana Casey, 1924: 294; Lingafelter *et al*., 2014: 339, fig. 177 k (lectotype)

Type locality - Lectotype: United States, Utah: Vineyard. (USNM)

7. *Saperda imitans* Joutel, 1904

Syntypes localities - Syntypes: Canada, Quebec: Montreal. United States, Massachusetts: Tyngsboro. (USNM). **Distribution** - From New Brunswick to Wisconsin, south to Missouri southern Mississippi, northern Alabama, and the Florida Panhandle. **Host plants** - *Carya cordiformis* (Wagenheim) K. Koch (Juglandaceae).

Saperda imitans Joutel *in* Felt & Joutel, 1904: 50, fig. 5b, pl. 3, fig. 4; Chagnon, 1905: 43; Blatchley, 1910: 1085: Smith, 1910: 336 (distr.); Fisher & Kirk, 1912: 315 (distr.); Wenzel, 1913: 429 (distr.); Johnson, 1915: 315 (distr.); Chagnon, 1917: 237 (distr.); Craighead, 1923: 231 (larva); Mutchler & Weiss, 1923: 10, pl. 17, fig. 10; Blackman & Stage, 1924: 120; Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 456 (distr.); Beaulne, 1932: 221 (hosts); Chagnon, 1938: 278, pl. 19, fig. 4; Knull, 1946: 271; Breuning, 1952: 134 (revis.); Chagnon & Robert, 1962: 278, pl. 19, fig. 4; Abdullah & Abdullah, 1966: 91; Baker, 1972: 188; Gosling & Gosling, 1976: 31 (distr.); Laliberté, Chantal & LaRochelle, 1977: 98 (distr.); Rice & Enns, 1981: 103 (distr., hosts); Drooz, 1985: 198; Chemsak, Linsley & Noguera, 1992: 151 (cat.); MacRae, 1993: 247 (distr., hosts); Linsley & Chemsak, 1995: 185; Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 46 (cat.); Yanega, 1996: 139, pl. 24, fig. 173; Linsley & Chemsak, 1997: 431 (hosts); Schiefer, 1998b: 127 (distr.); Peck & Thomas, 1998: 24 (distr.); Vlasák & Vlasakova, 2002: 216 (distr., hosts); Monné, M.A., & Hovore, 2006: 297

(checklist); Rice & Veal, 2006: 252 (distr.); MacRae & Rice, 2007: 256 (distr., hosts); Guarnieri, 2009: 20 (distr.); Webster, McCorquodale & Majka, 2009: 302 (distr.); DiGirolomo, Allen & Stehman, 2011: 177 (biol.); Holt, 2013: 254 (distr.); Lingafelter *et al*., 2014: 362 (holotype); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 299 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 174, pl. 42

8. *Saperda inornata* Say, 1824

Type locality - Neotype: United States, Missouri (depository unknown). **Distribution.** From the Goose Bay area in Labrador to central Yukon Territory, south to Arizona, Texas, and New Jersey. **Host plants** - *Populus balsamifera* Linnaeus, *P. grandidentata* Michaux, *P. tremuloides* Michaux, *Salix bebbiana* Sargent, *S. concolor* J. Walker, *S. discolor* Muhlenberg, *S. interior* Rowlee, *S. petiolaris* J.E.Smith (Salicaceae).

Saperda inornata Say, 1824: 407; Haldeman, 1847a: 55; LeConte, 1852: 164; Melsheimer, 1853: 110 (cat.); LeConte, 1859a: 49; 1859b: 189; Packard, 1870: 594, fig. 121; Lacordaire, 1872: 834; Myers, Knight & Grimble, 1968: 1418 (biol.); Grimble, Nord & Knight, 1969: 308, figs 3, 4 (biol.); Grimble & Knight, 1970: 1309, figs 1,2; Nord & Knight, 1970: 123; 1971a: 33 (neotype); 1971b: 39, figs 1-3; 1972b: 28 (biol.); 1972a: 87, figs 1,2 (biol.); 1972c: 93 (biol.). Nord, Grimble & Knight, 1972: 127, figs 1-5 (biol., hosts); Gosling & Gosling, 1976: 32 (distr.); Furniss & Carolin, 1977: 314 (biol.); Melville. 1980: 89 (neotype); Drooz, 1985: 298; Chemsak, Linsley & Noguera, 1992: 151 (cat.); MacRae, 1993: 247 (distr.); Linsley & Chemsak, 1995: 198; Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 46 (cat.); Yanega, 1996: 139, pl. 23, fig. 266; Linsley & Chemsak, 1997: 431 (hosts); Heffern, 1998: 22 (distr., hosts); Vlasák & Vlasakova, 2002: 216 (distr., hosts); Korotyaev *et al*., 2005: 253 (hosts); Monné, M.A., & Hovore, 2006: 297 (checklist); Majka, McCorquodale & Smith, 2007: 262; Webster, 2016: 489 (distr.); Haack, 2017: 117 (hosts); Haack, Keena & Eyre, 2017: 81 (biol.); 2017: 89 (biol.); Rice, MacRae & Merickel, 2017: 671 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 174, pl. 42; Maier, 2020: 85

Mecas inornata; Walsh, 1866a: 264; 1890: 427

Saperda (Mecas) inornata; Packard, 1881: 141

Saperda (Saperda) inornata; Breuning, 1952: 169 (revis.); 1956: 139

Saperda concolor LeConte, 1852: 163; Melsheimer, 1853: 111 (cat.); Lacordaire, 1872: 834; LeConte, 1873a: 239; 1873b: 346; Henshaw, 1874: 23 (distr.); Provancher, 1877: 633; Packard. 1881: 118; LeConte & Horn, 1883: 331; Dimmock, 1884: 326; Hamilton, 1885: 36 (biol.); 1888a: 8 (biol.); 1888b: 42 (biol.); 1889: 105 (biol.); Lugger, 1889: 59, fig. 9; Harrington, 1890b: 52; Packard, 1890:427. 436 (biol.); Cook, 1890: 118 (biol.); Davis, 1891: 66 (hosts); 1892: 81 (hosts); Beutenmuller, 1891: 32; Kellicott, 1892: 209 (hosts); Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 80 (hosts); Leng & Hamilton, 1896: 151; Wickham, 1898a: 42; Johnston, 1898: 71 (hosts); Lugger, 1899: 215 (hosts); Smith, 1900: 297 (distr.); Kirkland, 1902: 125 (hosts); Dury, 1902: 163 (distr.); Felt & Joutel, 1904: 73, pl. 6, figs. 12-14; Hopkins, 1904: 35 (biol.); Chagnon, 1905a: 43; Felt, 1906: 274; Wickham, 1909a: 29 (distr.); Blatchley, 1910: 1084 (hosts); Smith, 1910: 336; Wenzel, 1913: 429 (distr.); Cosens, 1914: 19 (biol.); Chagnon, 1917: 237 (distr.); Nicolay, 1919: 72 (distr.); Frost, 1920: 28 (biol.); Craighead, 1923: 129, pl. 23, fig. 10, pl. 41 (larva); Casey, 1924: 295 (distr.); Essig, 1926: 462; Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 456 (distr.); Ware, 1929: 369 (distr.); Knowlton, 1930: 76 (distr.); Beaulne, 1932: 221 (hosts); Knowlton & Thatcher, 1936: 281 (distr.); Chagnon, 1938: 276; Townes, 1944: 773 (paras.); Knull, 1946: 273; Craighead, 1950: 264 (biol.); Papp, 1959: 92; Townes & Townes, 1960: 136 (paras.); Dillon & Dillon, 1961: 651, pls., Chagnon & Robert, 1962: 276; Wong & McLeod, 1965: 3; Abdullah & Abdullah, 1966: 91; Bayer & Shenefelt, 1969: 31; Stein & Tagestad, 1975: 36; Laliberté, Chantal & LaRochelle, 1977: 98 (distr., hosts); Rice & Enns, 1981: 103; Chemsak, Linsley & Noguera, 1992: 151 (cat.); Monné, M.A., 1995b: 44 (cat.)

Type locality – Holotype: United States, New Mexico (USNM)

Saperda concolor var. *unicolor* Felt & Joutel, 1904: 76, pl. 6C (preoccupied); Britton, 1919: 347, pls 14, 15; Leng, 1920: 285 (cat.); Britton, 1920: 28; Mutchler & Weiss, 1923: 11, figs:

Procter, 1927: 113 (biol.); Leonard, 1928: 456 (distr.); Procter, 1946: 184 (biol.); Gosling, 1986: 157 (hosts); Lingafelter *et al*., 2014: 362 (holotype)

Type locality - Syntypes: United States, New Mexico, Arizona, Idaho (MCZN)

Saperda mecasoides Casey, 1913: 259; Leonard, 1928: 456; Lingafelter *et al*., 2014: 96, fig. 106 k (holotype)

Type locality - Holotype female: United States, New York, New York City vicinity. (USNM)

9. *Saperda lateralis* Fabricius, 1775

Syntypes - Syntypes: (BMNH). **Distribution** - From Cape Breton Island to Southern Manitoba, south to east-central Texas and northern Florida. **Host plants** - *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Sambucus racemosa* Linnaeus (Caprifoliaceae), *Carpinus caroliniana* Walter (Corylaceae), *Carya cordiformis* (Wangenheim) K. Koch, *C. glabra* (Miller) Sweet, *C. ovata* (Miller) K. Koch (Juglandaceae), *Fraxinus americana* Linnaeus (Oleaceae), *Pinus contorta* Douglas ex Loudon (Pinaceae), *Tilia americana* Linnaeus (Tiliaceae), *Ulmus ruber* Muhlenberg (Ulmaceae).

Saperda lateralis Fabricius, 1775: 185; 1781: 233; 1787: 149; 1793: 312; Olivier, 1800: 17, pl. 4, fig. 41; Fabricius, 1801: 123; Schoenherr, 1817: 430; Chevrolat, 1851: 663; LeConte, 1852: 164; Fitch, 1859: 840; Bland, 1861: 99 (distr., hosts); Horn, 1868: 125 (distr.); Walsh & Riley, 1869: 168; Lacordaire, 1872: 834; LeConte, 1873a: 239; Henshaw, 1874: 23 (distr.); Provancher, 1877: 633; Popenoe, 1877: 34 (distr.); Riley, 1880a: 239,271 (hosts); Packard, 1881: 89 (biol.); Horn, 1886a: 138; Tolman, 1889: 343; Packard, 1890: 226, 636 (biol.); Harrington, 1894: 48 (biol.); Knobel, 1895: 34, fig. 127; Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 80 (hosts); Leng & Hamilton, 1896: 150; Wickham, 1898a: 41; Kemp, 1899: 108; Lugger, 1899: 215 (hosts); Smith, 1900: 297 (distr.); Dury, 1902: 163 (distr.); Ulke, 1903: 27, 51 (distr., hosts); Felt & Joutel, 1904: 59, fig. 6, pl. 7, fig. 8; Chagnon, 1905a: 43; 1905b: 36 (distr.); Felt, 1905: 270 (biol.); 1906: 427 (biol.); Wickham, 1909a: 29 (distr.); Smith, 1910: 336; Blatchley, 1910: 1085; Leng, 1910: 78 (distr.); Fisher & Kirk, 1912: 315 (distr.); Casey, 1913: 359; Wenzel, 1913: 429 (distr.); Johnson, 1915: 316 (distr.); Chagnon, 1917: 237 (distr.); Nicolay, 1919: 72 (distr.); Britton, 1920: 272 (distr.); Frost, 1920: 27 (biol.); Mutchler & Weiss, 1923: 11, 21, pl. 10, fig. 2; Craighead, 1923: 130, pl. 16, fig. 9 (larva); Champlain, Kirk & Knull, 1925: 141 (hosts); Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 456 (distr.); Brown, 1929: 154 (distr.); Beaulne, 1932: 221 (hosts); Loding, 1933: 149; Wolcott & Montgomery, 1933: 157; Herrick, 1935: 119 (biol.); Doane *et al*., 1936: 192 (hosts); Brimley. 1938: 219 (distr.); Chagnon, 1938: 278, pl. 19, fig. 7; Hoffmann, 1942: 11; Loding, 1945: 125 (distr.); Knull, 1946: 272; Fattig, 1947: 42; Steyskal, 1951: 76 (hosts); Breuning, 1952: 164 (revis.); Alexander, 1958: 50 (distr.); Dillon & Dillon, 1961: 651, pl. 54; Chagnon & Robert, 1962: 278, pl. 19, fig. 7; Zimsen, 1964: 175 (types); Abdullah & Abdullah, 1966: 92; Bayer & Shenefelt, 1969: 31, fig. 39; Baker, 1972: 188 (biol.); Kirk & Balsbaugh, 1975: 100 (distr.); Perry, 1975: 59 (hosts); Chamberland, 1975: 89; Stein & Tagestad, 1976: 36; Solomon, Doolittle & Spilman, 1976: 290; Gosling & Gosling, 1976: 32 (distr.); Laliberté, Chantal & LaRochelle, 1977: 98 (distr., hosts); Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 103 (distr., hosts); Gosling, 1984: 73 (hosts); Waters & Hyche, 1984: 285 (distr.); Furth, 1985: 193; Drooz, 1985: 298; Gosling, 1986: 157 (hosts); Chemsak, Linsley & Noguera, 1992: 151 (cat.); MacRae, 1993: 247 (distr.); Linsley & Chemsak, 1995: 182, fig. 33; Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 47 (cat.); Yanega, 1996: 140, pl. 24, figs 271; Krinsky & Godwin. 1996: 239.; Linsley & Chemsak, 1997: 431 (hosts); Schiefer, 1998b: 127 (distr.); Heffern, 1998: 22 (distr.); Peck & Thomas, 1998: 124 (distr.); Vlasák & Vlasakova, 2002: 216 (distr., hosts); Senchina, 2005: 232 (hosts); Monné, M.A., & Hovore, 2006: 297 (checklist); Majka, McCorquodale & Smith, 2007: 262; Guarnieri, 2009: 20 (distr.); Schiefer & Newell, 2010: 334 (distr.); Holt, 2013: 254 (distr.); Vlasák, 2014: 319 (hosts); Steury & MacRae, 2014: 12 (distr.); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 299 (siatr.); Bousquet, Laplante, Hammond & Langor, 2017: 174, pl. 42; Maier, 2020: 85

Cerambyx lateralis; Goeze, 1777: 478s

Cerambyx (Saperda) lateralis; Gmelin, 1790: 1841

Compsidea lateralis; Haldeman, 1847a: 55; 1847b: 373; Melsheimer, 1853: 110

Saperda lateralis var. *abbreviata* Fitch, 1859: 841

Type locality - Type: United States, New York (New York State Museum).

Saperda lateralis var. *suturalis* Fitch, 1859: 841

Type locality - Type: United States, New York (New York State Museum)

Saperda lateralis var. *conecta* Felt & Joutel, 1904: 60, figs; Chagnon, 1905a: 43; Smith, 1910: 336; Mutchler & Weiss, 1923: 11; Leonard, 1928: 456 (distr.); Abdullah & Abdullah, 1966: 92; Lingafelter *et al*., 2014: 362 (holotype)

Syntypes localities: Syntypes: United States, New York, Massachusetts, Kansas, Nebraska, Illinois, Wisconsin. (USNM)

9a. *Saperda lateralis rileyi* Schiefer, 2010

Type locality - Holotype male: United |States, Louisiana: E Baton Rouge (TAMU). **Distribution** - Most of Louisiana, southern Mississippi and southeastern Arkansas **Host plants** - *Carya cordiformis* (Wagenheim) K. Koch (Juglandaceae)

Saperda lateralis rileyi Schiefer. 2010: 29, figs 1, 3

10. *Saperda mutica* Say, 1824

Type locality - Type: United States, Missouri Territory (depository unknown). **Distribution** - From the Montreal area in southern Quebec to eastern Saskatchewan, south to Missouri, Pennsylvania, and New Jersey. **Host plants** - *Salix* sp (Salicaceae).

Saperda mutica Say, 1824: 409; LeConte, 1852: 162; 1859: 191; Lacordaire, 1872: 834; LeConte, 1873a: 238; Harrington, 1884a: 73 (distr.); 1884c: 101; 1890: 52 (biol.); 1899b: 67; Wickham, 1898a: 40;Smith, 1900: 296; Ouellet, 1902: 123 (distr.); Joutel, 1902: 34, pl. 2, figs 1 a- 5 a; Felt & Joutel, 1904: 21, pl. 7, fig. 2; Chagnon, 1905b: 36 (distr.); Blatchley, 1910: 1084; Smith, 1910: 135; Chagnon, 1917: 237 (distr.); Gibson, 1917: 150 (distr.); Mutchler & Weiss, 1923: 5, pl. 10, fig. 14; Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 455 (distr.); Beaulne, 1932: 221 (hosts); Chagnon, 1938: 276, pl. 19, fig. 9; Knull, 1946: 268; Breuning, 1952: 160, pl. 4, fig. 14 (revis.); Chagnon & Robert, 1962: 276, pl. 19, fig. 9; Abdullah & Abdullah, 1966: 92; Bayer & Shenefelt, 1969: 31, fig. 39; Hatch, 1971: 154; Stein & Tagestad, 1976: 37; Gosling & Gosling, 1976: 32 (distr.); Laliberté, Chantal & LaRochelle, 1977: 98; Drooz, 1985: 298; Chemsak, Linsley & Noguera, 1992: 152 (cat.); MacRae, 1993: 247; Linsley & Chemsak, 1995: 177; Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 48 (cat.); Yanega, 1996: 140, pl. 23, fig. 262; Linsley & Chemsak, 1997: 431 (hosts); Monné, M.A., & Hovore, 2006: 297 (cat.); Bousquet, Laplante, Hammond & Langor, 2017: 175, pl. 42; Haack & Ruesink, 2020: 156

Anaerea mutica: Haldeman, 1847a: 55; Melsheimer, 1853: 110

11. *Saperda obliqua* Say, 1826

Type locality - Holotype male: United States, Missouri. (depository unknown). **Distribution.** From Cape Breton Island to west-central Manitoba, south to southeastern Oklahoma and northern Georgia. **Host plants** - *Alnus serrulata* Willdenow (Betulaceae).

Saperda obliqua Say, 1826: 274; LeConte, 1852: 162; 1859: 332; Bland, 1861: 99 (distr.); Lacordaire, 1872: 834; LeConte, 1873a: 238; Provancher, 1877: 632 (distr.); Popenoe, 1877: 34 (distr.); LeConte & Horn, 1883: 331; Packard, 1890: 623, fig. 204 (biol.); Knobel, 1895: 34, fig. 120; Knab, 1896: 113 (distr.); Beutenmuller, 1896: 80 (hosts); Leng & Hamilton, 1896: 148 (cat.); Wickham, 1897b: 159 (distr.); 1898a: 40; Lugger, 1899: 215; Smith, 1900: 296 (distr.); Klages, 1901: 273 (distr.); Ulke, 1903: 27 (distr., hosts); Felt & Joutel, 1904: 18, figs; Chagnon, 1905a: 43; Felt, 1906: 480 (biol.); Smith, 1910: 335; Blatchley, 1910: 1084, fig. 468; Johannsen, 1911: 7; Frost, 1912: 307; Johnson, 1916: 119 (distr.); Chagnon, 1917: 237 (distr.); Nicolay, 1919: 72 (distr.); Morris, 1920b: 14 (biol.); Britton, 1920: 272 (distr.); Craighead, 1923: 129 (larva); Mutchler & Weiss, 1923: 4, pl. 10, fig. 4; Cushman, 1924: 7 (paras.); Kirk & Knull, 1926: 45 (distr.); Procter, 1927: 113 (biol.); Leonard, 1928: 455 (distr.); Brown, 1929: 154 (distr.); Engelhardt, 1931: 104 (hosts); Beaulne, 1932: 221 (hosts); Chagnon, 1938: 278; Brimley, 1938: 219 (distr.); Townes, 1944: 773 (paras.); Loding, 1945:

124 (distr.); Knull, 1946: 268; Procter, 1946: 183 (biol.); Fattig, 1947: 41 (distr.); Craighead, 1950: 257 (biol.); Beal, Haliburton & Knight, 1952: 56; Breuning, 1952: 172 (revis.); Alexander, 1958: 50 (distr.); Dillon & Dillon, 1961: 647, figs; Chagnon & Robert, 1962: 278; Abdullah & Abdullah, 1966: 92; Bayer & Shenefelt, 1969: 31, fig. 39; Baker, 1972: 188; Gosling & Gosling, 1976: 32 (distr.); Chamberland, 1976: 89; Laliberté, Chantal & LaRochelle, 1977: 98 (distr., hosts); Headstrom, 1977: 381, fig. 531; Turnbow & Franklin, 1980: 346 (distr); Drooz, 1985: 298 (biol.); Gosling, 1986: 157 (hosts); Chemsak, Linsley & Noguera, 1992: 152 (cat.); MacRae, 1993: 247 (distr.); Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 68 (cat.); Linsley & Chemsak, 1995: 165. Monné, M.A., 1995b: 48 (cat.); Yanega, 1996: 140, pl. 24, fig. 274; Schiefer, 1998b: 127 (distr.); Vlasák & Vlasakova, 2002: 216 (distr., hosts); Sikes & Webster, 2005: 327 (distr.); Korotyaev *et al*;. 2005: 253 (hosts); Monné, M.A., & Hovore, 2006: 297 (checklist); Majka, McCorquodale & Smith, 2007: 262; Guarnieri, 2010: 24 (distr.); Holt, 2013: 254 (distr., hosts); Webster, 2016: 488

9; Bousquet, Laplante, Hammond & Langor, 2017: 175, pl. 42; Vlasak & Vlasakova, 2021: 4, 21

Anaerea obliqua; Haldeman, 1847a: 55; Melsheimer, 1853: 110 (cat.)

12. *Saperda puncticollis* Say, 1824

Type locality - Holotype: United States, Arkansas (depository unknown). **Distribution** - From southern Quebec to Nebraska, south to Louisiana and northeastern Georgia. It is found in Canada in southern Quebec, including the Ottawa River Valley, and southern Ontario, including the Bruce Peninsula area. **Host plants** - *Rhus radicans* Linnaeus, *R. toxicodendron* Linnaeus, *Toxicodendron radicans* Kuntze (Anacardiaceae), *Parthenocissus engelmannii* Koehne & Graebner, *P. quinquefólia* (Linnaeus) Planchon (Vitaceae).

Saperda puncticollis Say, 1824: 406; LeConte, 1852: 164; Melsheimer, 1853: 111; Le|Conte, 1859b: 49; Bland, 1861: 99 (distr.); Lacordaire, 1872: 834; LeConte, 1873a: 239; Zimmerman, 1878: 220 (hosts); Riley, 1880a: 271 (hosts); Harrington, 1890b: 52; Hamilton, 1895a: 339 (distr.); Knobel, 1895: 34, fig, 128; Beutenmuller, 1896: 81 (hosts); Ehrmann, 1897: 169 (hosts); Harrington, 1898: 89; 1899a: 62; Wickham, 1898a: 41; Lugger, 1899: 215 (hosts); Smith, 1900: 297 (distr.); Ouellet, 1902: 123 (distr.); Dury, 1902: 163 (distr.); Ulke, 1903: 27 (distr., hosts); Felt & Joutel, 1904: 66, pl. 6, figs 5-9; Chagnon, 1905b: 35 (distr.); 1905a: 43; Felt, 1906: 478, figs; Wickham, 1909a: 29 (distr.); Blatchley, 1910: 1085: Smith, 1910: 336; Fisher & Kirk, 1912: 315 (distr.); Chagnon, 1917: 237 (distr.); Wenzel & Wenzel, 1918: 360 (hosts), 1920: 14; Mutchler & Weiss, 1923: 11, pl. 10, fig. 12; Craighead, 1923: 128 (larva); Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 456 (distr.); Fletcher, 1929: 259 (distr., hosts); Beaulne, 1932: 221 (hosts); Cooper, 1935: 152 (distr.); Chagnon, 1938: 276, pl. 19, fig. 10; Townes, 1944: 773 (paras.); Loding, 1945: 125 (distr.); Knull, 1946: 273; Fattig, 1947: 42 (distr.); Steyskal, 1951: 76 (hosts); Breuning, 1952: 170, pl. 44, fig. 20 (revis.); Townes & Townes, 1960: 534 (paras.); Dillon & Dillon, 1961: 651, pl. 54; Chagnon & Robert, 1962: 276, pl. 19, fig. 10; Abdullah & Abdullah, 1966: 92; Bayer & Shenefelt, 1969: 32, fig. 40; Gosling & Gosling, 1976: 33 (distr.); Laliberté, Chantal & LaRochelle, 1977: 98 (distr., hosts); Turnbow & Franklin, 1980: 246 (distr.); Rice & Enns, 1981: 103 (distr., hosts); Gosling, 1984: 73 (hosts); Furth, 1985: 193; Chemsak, Linsley & Noguera, 1992: 152 (cat.); MacRae, 1993: 248 (distr.); Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 49 (cat.); Linsley & Chemsak, 1995: 181; 1997: 431 (hosts); Yanega, 1996: 140, pl. 24, fig. 270; Schiefer, 1998b: 127 (distr.); Vlasák & Vlasakova, 2002: 216 (distr.); Senchina, 2005: 332 (hosts); Monné, M.A., & Hovore, 2006: 297 (checklist); Holt, 2013: 255 (distr.); Steury & MacRae, 2014: 12 (distr., hosts); Klingeman *et al*., 2017: 299 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 276, pl. 43; Maier, 2020: 86

Compsidea? puncticollis; Haldeman, 1847a: 55

Saperda trigeminata Randall, 1838: 43; Melsheimer, 1853: 111 (cat.).

Type locality - Holotype: United States, Masachusetts: Cambridge (MCZN)

13. *Saperda tridentata* Olivier, 1800

Type locality - Holotype female: Canada. (ZMUG). **Distribution.** From Nova Scotia to eastern Montana, south to central Texas and northern Florida . It occurs in Canada from Cape Breton Island to southeastern Saskatchewan, north to the Red Deer Lake area in west-central Manitoba. **Host plants** - *Acer* sp. (Aceraceae), *Ulmus alata* Michaux, *U. americana* Linnaeus (Ulmaceae).

Saperda tridentata Olivier, 1800: 30, pl. 4, fig. 48; Schoenherr, 1817: 440; Harris, 1852: 98; LeConte, 1852: 164; Melsheimer, 1853: 110; Emmons, 1854: 122, pl. 34, fig. 6; Fitch, 1859: 839; Bland, 1861: 99 (distr.); Harris, 1862: 111, pl. 2, fig. 13; Packard, 1870: 588, figs 115, 116; 1872: 499, fig. 490; Lacordaire, 1872: 834; LeConte, 1873a: 239; Hubbard, 1877: 40; Popenoe, 1877: 34 (distr.); Thomas, 1877: 44 (biol.); Provancher, 1877: 632; Devereaux, 1879: 110 (distr.); Riley, 1880a: 271 (hosts); Packard, 1881: 58, fig. 17 (biol.); Harrington, 1883: 79 (hosts); Packard, 1883: 499, fig. 490 (biol.); Dimmock, 1884: 326; Forbes, 1885: 112 (biol.); Horn, 1886a: 138; Saunders, 1887: 29 (distr.); Harrington, 1887: 30 (hosts); Holland, 1888: 90 (distr.); Harrington, 1890a: 186 (distr.); Packard, 1890: 224, fig. 71, pl. 18, fig. 2 (biol.); Caulfield, 1890: 23; Perkins, 1890: 154 (biol.); Hamilton, 1893a: 326 (distr.); Townsend, 1893: 203 (distr.); Garman, 1893: 44, figs 12, 13 (biol.); Lintner, 1893: 427 (biol); Hamilton, 1893b: 275 (distr.); Knobel, 1895: 34, fig. 126; Lintner, 1895: 484 (biol.); Hamilton, 1895a: 339 (distr.); Beutenmuller, 1896: 80 (hosts); Leng & Hamilton, 1896: 150 (cat.); Lintner, 1897: 239; 1898: 243, pl. 7, fig. 2; Ehrmann, 1897: 169 (hosts); Wickham, 1897b: 160 (distr.); 1898a: 41; Felt, 1898: 906; Harrington, 1899a: 67; Lugger, 1899: 215 (hosts); Felt, 1900a: 581 (biol.); Smith, 1900: 297 (distr.); Jenkins & Britton, 1900: 13, pl. 4, figs 8, 9; Felt, 1900b: 22, figs 32 a, b (biol.); 1900b: 371, pl. 3, figs 1, 4 (biol.); Dury, 1902: 163 (distr.); Ulke, 1903: 27 (distr., hosts); Felt & Joutel, 1904: 44, fig 5 a, figs 1, 3; Hopkins, 1904: 35 (biol.); Felt, 1905: 67, pl. 3, figs 1-4 (biol.); Chagnon, 1905a: 43; Tucker, 1907: 159; Morris, 1908: 442; Wickham, 1909a: 29 (distr.); Blatchley, 1910:1085, fig. 471; Smith, 1910: 236; Douglass, 1912: 108 (biol.); Fisher & Kirk, 1912: 315 (distr.); Johannsen, 1913: 464 (biol.); Johnson, 1915: 316 (distr.); Adams, 1915: 144, pl. 24, figs 3, 4; Blackman & Ellis, 1916: 52, fig. 22; Morris, 1916a: 19 (hosts); Chagnon, 1917: 237 (distr.); Britton, 1920: 272 (distr.); Morris, 1920a: 76 (distr.); Kotinsky, 1921: 55, fig. 34 (biol.); Craighead, 1923: 130 (larva); Mutchler & Weiss, 1923: 10, pl. 10, fig. 9 (biol.); Casey, 1924: 295; Kirk & Knull, 1926: 45 (distr.); Leonard, 1928: 455 (distr.); Ware, 1929: 369 (distr.); Craighead & Middleton, 1930: 9 (hosts); Park, 1931: 192; Felt & Rankin, 1932: 222, fig. 71; Beaulne, 1932: 221 (hosts); Britton & Friend, 1935: 300, figs 66-68; Herrick, 1935: 74, fig. 40 (biol.); Doane *et al*., 1936: 191 (biol.); Kaston, 1937: 354 (paras.); Pechuman, 1937: 12 (distr.); Chagnon, 1938: 278, pl. 19, fig. 5; Brimley, 1938: 219 (distr.); Fenton, 1939: 18 (biol.); Pechuman, 1940: 113 (biol.); Hoffmann, 1942: 11; Smith *et al*., 1943: 316, fig, 317; Townes, 1944: 773 (paras.); Loding, 1945: 125 (distr.); Knull, 1946: 270; Fattig, 1947: 42 (distr.); Craighead, 1950: 267, fig. 52 C; Beal, Haliburton & Knight, 1952: 56 (biol.); Breuning, 1952: 162, pl. 4, fig. 15 (revis.); Shenefelt & Benjamin, 1955: 86 (biol.); Robert, 1957: 56, figs 1-9 (biol.); Linsley, 1958: 107; Alexander, 1958: 50 (distr.); English, 1958: 29, fig. 24 (biol.); Townes & Townes, 1960: 519 (paras.); Dillon & Dilllon, 1961: 650, pls.; Chagnon & Robert, 1962: 278, pl. 19, fig. 5; Arnett, 1962: 893; Abdullah & Abdullah, 1966: 94; Bayer & Shenefelt, 1969: 32, fig. 40; Gardiner, 1969: 98 (larva); Hatch, 1971: 155; Baker, 1972: 188, fig. 61; Swan & Papp, 1972: 455, fig. 975; Solomon, Newsome & Darwin, 1972: 78 (biol.); Kirk & Balsbaugh, 1975: 100; Stein & Tagestad, 1976: 15; Solomon, Doolittle & Spilman, 1976: 290; Gosling & Gosling, 1976: 33 (distr.); Laliberté, Chantal & LaRochelle, 1977: 98 (distr., hosts); Solomon, 1977a: 298 (biol.); Headstrom, 1977: 381; Lambert, 1979: 37; Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 104 (distr., hosts); White, 1985: 289; Drooz, 1985: 298, fig. 133; Gosling, 1986: 157 (hosts); Chemsak, Linsley & Noguera, 1992: 152 (cat.); Lingafelter & Horner, 1993: 187 (distr.); MacRae, 1993: 248 (distr.); Linsley & Chemsak, 1995: 186; Monné, M.A., 1995b: 50 (cat.); Krinsky & Godwin, 1996: 239; Yanega, 1996: 140, pl. 24, figs 272 a-c; Linsley & Chemsak, 1997: 431 (hosts); Schiefer, 1998b: 127 (distr.); Heffern, 1998: 22 (distr., hosts); Peck & Thomas, 1998: 124 (distr.); Vlasák & Vlasakova, 2002: 216 (distr., hosts); Sikes & Webster, 2005: 327 (distr.); Monné, M.A., & Hovore, 2006: 297 (checklist); Webster, McCorquodale

& Makja, 2009: 302 (distr., hosts); Holt, 2013: 255 (distr.); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 299 (distr.); Haack, 2017: 117 (hosts); Rice, MacRae & Merickel, 2017: 671 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 176, fig. 42; Haack, 2020: 89; Maier, 2020: 86

Compsidea tridentata; Haldeman, 1847a: 55; 1847b: 373

Compsidea tridentata var. *dubiosa* Haldeman, 1847a: 55

Type locality - Holotype: United States (MCZN)

Saperda tridentata var. *rubronotata* Fitch, 1859: 840

Type locality - Type: United States, New York. (NYSM)

Saperda tridentata var. *intermedia* Fitch, 1859: 840

Type locality - Type: United States, New York. (NYSM)

Saperda lateralis var. *disconotata* Pic, 1907: 152

Syntypes locality - Syntypes male and female: United States, Texas. (MNHN)

Saperda tridentata trifasciata Casey, 1913: 359; 1924: 295; Lingafelter *et al*., 2014: 335, fig. 172 w (lectotype)

Type locality - Lectotype female: United States, Indiana. (USNM)

14. *Saperda vestita* Say, 1824

Syntypes locality - Syntypes: United States: Indiana, Southern extremity of Lake Michigan. Pennsylvania. (depository unknown). **Distribution**. From western New Brunswick to southern Manitoba, north to the Lac Saint Jean area in Quebec, south to eastern Texas and northern Florida. **Host plants** - *Acer* sp. (Aceraceae), *Populus* sp. (Salicaceae), *Tilia americana* Linnaeus (Tiliaceae).

Saperda vestita Say, 1824: 290; Harris, 1844: 330; Guérin-Menéville, 1844: 445, pl. 45, figs 5 a-d; Haldeman, 1847a: 55; LeConte, 1852: 163; Harris, 1852: 96; Melsheimer, 1853: 110 (cat.); Emmons, 1854: 121, pl. 34, fig. 4; LeConte, 1859b: 193; Bland, 1861: 99 (distr., hosts); Harris, 1862: 109, pl. 2, Reed, 1868: 19 (distr.); Packard, 1870: 591, figs 117, 118 (larva); Lacordaire, 1872: 834; LeConte, 1873a: 238; Popenoe, 1877: 34 (distr.); Provancher, 1877: 634; Riley, 1880a: 271 (hosts); Packard, 1881: 123, fig. 59 (biol.); Dimmock, 1884: 326; Saunders, 1887: 29 (distr.); Packard, 1890: 171 (biol.); Harrington, 1890a: 52; 1890b: 186 (distr.); Townsend, 1893: 203 (distr.); Hamilton, 1893b: 275 (distr.); 1893a: 326 (distr.); 1895a: 339 (distr.); Knobel, 1895: 34. fig. 124; Beutenmuller, 1896: 80 (hosts); Leng & Hamilton, 1896: 149 (cat.); Wickham, 1897b: 159 (distr.); 1898a: 41; Lugger, 1899: 215 (hosts); Harrington, 1899a: 62; Smith, 1900: 297 (distr.); Ehrmann, 1900: 621 (distr.); Webster, 1900b: 3, pl. 1, fig. 1-3; 1901: 81, fig. 42 (biol.); Dury, 1902: 163 (distr.); Ulke, 1903: 27 (distr., hosts); Felt & Joutel, 1904: 54, pl. 5, figs 1, 3; Hopkins, 1904: 36 (biol.); Felt, 1905: 91, figs; Chagnon, 1905a: 43; 1905b: 36 (distr.); Morris, 1908: 441; Wickham, 1909a: 29 (distr.); Smith, 1910: 336; Blatchley, 1910: 1085, fig. 473; Fisher & Kirk, 1912: 315 (distr.); Frost, 1912: 307; Casey, 1913: 359; Morris. 1916b: 198 (biol.); Chagnon, 1917: 237 (distr.); Nicolay, 1917: 95 (distr.); Dozier, 1918: 335 (distr.); Britton, 1920: 272 (distr.); Morris, 1920a: 76 (distr.); Kotinsky, 1921: 57, fig. 35 (biol.); Craighead, 1923: 130 (larva); Mutchler & Weiss, 1923: 8, figs (biol.); Kirk & Knull, 1926: 45 (distr.); Fletcher, 1926: 144 (distr.); Britton & Zappe, 1927: 148, pl. 10, fig. b (biol.); Leonard, 1928: 456 (distr.); Felt & Bromley, 1930: 142; Craighead & Middleton, 1930: 9 (hosts); Beaulne, 1932: 221 (hosts); Felt & Rankin, 1932: 291 (biol.); Loding, 1933: 149 (distr.); Herrick, 1935: 146, fig. 114 (biol.); Tauber & Yeager, 1936: 115; Chagnon, 1938: 276, pl. 19, fig. 3; Loding, 1945: 125 (distr.); Knull, 1946: 271; Fattig, 1947: 42 (distr.); Craighead, 1950: 268 (biol.); Breuning, 1952: 168 (revis.); Dillon & Dillon, 1961: 651, pl. 55; Chagnon & Robert, 1962: 276, pl. 19, fig. 3; Abdullah & Abdullah, 1966: 94; Bayer & Shenefelt, 1969: 32, fig. 40; Gardiner, 1969: 101 (larva); Hatch, 1971: 155; Swan & Papp, 1972: 456, fig. 979; Baker, 1972: 187; Kirk & Balsbaugh, 1975: 100 (distr.); Stein & Tagestad, 1976: 38; Gosling & Gosling, 1976: 33 (distr.); Laliberté, Chantal & LaRochelle, 1977: 98 (distr., hosts); Headstrom, 1977: 382, fig. 533; Turnbow & Franklin, 1980: 346 (distr.); Rice & Enns, 1981: 104 (distr., hosts); Gosling, 1984: 73 (hosts); Drooz, 1985: 297 (biol.); Gosling, 1986: 157 (hosts); Chemsak, Linsley & Noguera, 1992: 152 (cat.); MacRae, 1993: 248 (distr.); Linsley & Chemsak, 1995: 190;: 431

(hosts); Monné, M.A., & Giesbert, 1994: 275 (cat.); Monné, M.A., 1995b: 51 (cat.); Yanega, 1996: 141, pl. 23, figs 264; Schiefer, 1998b: 127 (distr.); Peck & Thomas, 1998: 124 (distr.); Vlasák & Vlasakova, 2002: 216 (distr., hosts); Delalibera, Hansdelman & Raffa, 2005: 541; Schloss *et al* ., 2006: 625; Johnson & Williamson, 2006: 938; Monné, M.A., & Hovore, 2006: 297 (checklist); Webster, McCorquodale & Majka, 2009: 203 (distr., hosts); Guarnieri, 2009: 20 (distr.); Holt, 2013: 255 (distr.); Webster, 2016: 489 (distr.); Klingeman *et al*., 2017: 299 (distr.); Haack, 2017: 117 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 176, fig. 41; Maier, 2020: 86

Saperda atkinsoni Curtis, 1829: 102, pl. 275

Type locality - Holotype female: Britain. (BMNH)

TETRAOPINI Thomson, 1860

Tetraopesitae Thomson, 1860: 3 (key), 42 (key), 66.

Type-genus: *Tetraopes* Dalman, 1817

Type-species: *Lamia tornator* Fabricius, 1775 designated by Desmarest (1860: 325).

Tetraopides; Lacordaire, 1972: 871.

Tetraopini; Bates, 1881a: 195; Bradley, 1930: 243, 247; Knull, 1946: 281; Duffy, 1960: 280 (larva); Linsley, 1961: 633 (mimet.); Hatch, 1971: 147; Monné, M.A., 1995b: 25 (cat.); Linsley & Chemsak, 1995: 249; Monné, M.A., 2005: 650 (cat.); Bousquet *et al*., 2009: 38; Bouchard *et al*., 2011: 502.

Polyopsiates Mulsant, 1863: 340 (based on *Polyopsia* Mulsant, 1839). *Nomen nudum***.** Comment. This name is unavailable under Article 11.7.2 (not subsequently latinized and attributed to Mulsant 1863).

Tétropides Planet, 1924: 326 (based on *Tetrops* Kirby, 1826). *Nomen nudum***.** Comment. This name is unavailable under Article 11.7.2 (vernacular name proposed after 1899).

The argument of Sama (2008: 240) that Planet's name is available, even if published after 1900 in a vernacular form, because it was used as valid in a latinized form and credited to Planet (1924) by Vives (2000: 508) is incorrect.

Phaea Newman, 1840

Phaea Newman, 1840: 13; Chevrolat *in* D'Orbigny, 1847b: 697; Thomson, 1860: 67; Chevrolat, 1861: 190; Thomson, 1864: 121; Bates, 1866: 367; Lacordaire, 1872: 878; LeConte, 1873b: 347; Bates, 1881a: 199; LeConte & Horn, 1883: 332; Casey, 1913: 386; Chemsak, 1977b: 269; Linsley & Chemsak, 1995: 280; Monné, M.A., 1995b: 25 (cat.); Chemsak, 1999: 38 (rev.); Monné, M.A., 2005: 650 (cat.); Monné, M.A., & Hovore, 2006: 298 (checklist); Monné, M.A., 2012: 119.

Type-species - *Phaea saperda* Newman, 1840 (monotypy).

Oberopa Haldeman, 1847b: 373.

Type-species - *Oberea monostigma* Haldeman, 1847 (original designation).

Lamprocleptes Thomson, 1857b: 64.

Type-species - *Lamprocleptes entomologorum* Thomson, 1857 (original designation).

1. *Phaea canescens* (LeConte. 1852)

Type locality - Holotype male: United States, Missouri Territory (MCZN). **Distribution** - United States: northern Texas, Oklahoma Panhandle, northeastern New Mexico, southwestern Kansas, and eastern Colorado. **Host plants** – *Ipomoea leptophylla* Torrey (Convolvulaceae)

Tetrops canescens LeConte, 1852: 156; Melsheimer, 1853: 112; Thomson, 1857e: 56; LeConte, 1859a: 49; Lacordaire, 1872: 881; Popenoe, 1877: 34; Horn, 1878: 50; Leng & Hamilton, 1896: 157; Smith, 1900: 297 (distr.); Casey, 1913: 386; Kirk & Knull, 1926: 46 (distr.); Knowlton & Wood, 1950: 13 (distr.);

Phaea canescens; Chemsak & Linsley, 1974: 184; Chemsak, Linsley & Noguera, 1992: 154 (cat.); Monné, M.A., & Giesbert, 1994: 277 (cat.); Linsley & Chemsak, 1995: 282, fig. 54;

Monné, M.A., 1995b: 26 (cat.); Yanega, 1996: 146, pl. 20, fig. 240; Linsley & Chemsak, 1997: 416 (hosts); Heffern, 1998: 23 (distr., hosts); Farrell & Mitter, 1998: 556 (hosts); Chemsak, 2000: 49, pl. fig. 9; Monné, M.A., & Hovore, 2006: 298 (cat.); Heffern, Vlasák & Alten, 2018: 749 (distr., hosts).

***Tetraopes* Dalman, 1817**

Tetraopes Dalman *in* Schoenherr, 1817a: 401; Germar, 1823: 487; Lepeletier & Audinet-Serville *in* Latreille, 1825: 335; 1828: 596; Guérin-Méneville, 1826: 186; Stephens, 1831: 237; Gray *in* Griffith & Pidgeon, 1832: 108; Audinet-Serville, 1835: 68; Voigt *in* Cuvier, 1839: 308; Stephens, 1839: 269; Laporte, 1840: 486; Guérin-Méneville, 1844: 244; Blanchard, C. E., 1845: 161; Drapiez, 1845: 374; Chevrolat *in* D'Orbigny, 1849: 533; LeConte, 1852: 156; Thomson, 1857e: 60; 1860: 66; 1864: 125; 1865: 402; Desmarest *in* Chenu, 1860: 325; Desmarest *in* Chenu, 1870: 325; Lacordaire, 1872: 879; LeConte, 1873b: 347; Provancher, 1877: 581, 637; Horn, 1878: 48; Bates, 1881a: 200; LeConte & Horn, 1883: 332; Leng & Hamilton, 1896: 151; Blatchley, 1910: 1090, 1093; Casey, 1913: 373; Bradley, 1930: 246; Chagnon, 1938: 279; Knull, 1946: 282; Arnett, 1962: 873, 893; Chagnon & Robert, 1962: 279; Chemsak, 1963: 17 (rev.); Marinoni, 1977a: 49; Rice & Enns, 1981: 106; Linsley & Chemsak, 1995: 250; Monné, M.A., 1995b: 25 (cat.); Farrell, 2001: 478; Monné, M.A., 2005: 657 (cat.); Monné, M.A., & Hovore, 2006: 299 (checklist); Monné, M.A., 2012: 119.

Type-species - *Lamia tornator* Fabricius, 1775 (subsequent designation, Guérin-Méneville, 1844: 445; Chemsak designation, 1963: 17).

1. *Tetraopes annulatus* LeConte, 1847

Type locality - Holotype: United States. Wyoming: Platte River toward the mountains (MCZN). **Distribution** - Canada (Alberta) to United States (Arizona, Idaho, Texas and South Dakota). **Host plants** - *Asclepias speciosa* Torrey, *A. subverticillata* Vail, *A. tuberosa* Linnaeus, *A. verticillata* Linnaeus, *A. viridiflora* Rafinesque (Asclepiadaceae)

Tetraopes annulatus LeConte, 1847: 93; Melsheimer, 1853: 110; Thomson, 1857e: 64; LeConte, 1859a: 49; Snow, 1877: 19 (distr.); Knaus, 1885: 59 (distr.); Chemsak, 1963: 37 (revis.); Bayer & Shenefelt, 1969: 33, fig. 41; Penrose & Westcott, 1974: 236 (distr.); Kirk & Balsbaugh, 1975: 101 (distr.); Stein & Tagestad, 1976: 42; Rice, 1988: 114 (biol.); Chemsak, Linsley & Noguera, 1992: 155 (cat.); Linsley & Chemsak, 1995: 261; Monné, M.A., & Giesbert, 1994: 278 (cat.); Monné, M.A., 1995b: 30 (cat;); Linsley & Chemsak, 1997: 442 (hosts); Heffern, 1998: 23 (distr.); Chemsak & Noguera, 2004: 243; Monné, M.A., & Hovore, 2006: 299 (checklist); Etzler *et al*., 2013: 49 (syn.); Brust & Hoback, 2016: 183 (morfol..); Rice, MacRae & Merickel, 2017: 671 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 184, pl. 46

Tetraopes canescens LeConte, 1852: 157; Melsheimer, 1853: 110; Thomson, 1857e: 74; LeConte, 1876: 520 (distr.); Horn, 1878: 49; Snow, 1883: 42 (distr.); Leng & Hamilton, 1896: 161; Fall & Cockerell, 1907: 194 (distr.); Casey, 1913; 378; Criddle, 1925: 98 (distr.); Essig, 1926: 462 (distr.); Knaus, 1927: 127 (distr.); Beaulne, 1932: 222 (hosts); Alexander, 1958: 50 (distr.)

Type locality - Holotype: United States, New Mexico (MCZN)

Tetraopes vestitus Casey, 1913: 378; Lingafelter *et al*., 2014: 343, fig. 181 l (holotype)

Type locality - United States, Colorado. (USNM).

Tetraopes canescens fontinalis Casey, 1913: 378; Lingafelter *et al*., 2014: 36, fig. 37 o (lectotype)

Type locality - Lectotype: United States, New Mexico, Las Vegas, near Hot Springs (USNM)

Tetraopes uteanus Casey, 1913: 379; Lingafelter *et al*., 2014: 339, fig. 177 o (lectotype)

Type locality - Lectotype: United States, Utah: Marysvale (USNM)

Tetraopes huetheri Skillman, 2007; 1, figs 1-3

Type locality - Holotype male, United States, South Dakota, Lawrence County, Upper Mirror Lake (FSCA)

2.*Tetraopes basalis* LeConte, 1852

Type locality - Holotype: United States, California, Sierra Nevada (MCZN). **Distribution** - Southwestern Oregon to southern California along the west side of the Sierra Nevada. **Host plants** - *Asclepias eriocarpa* Bentham, *A. mexicana* Cavanilles, *A. speciosa* Torrey (Asclepiadaceae)

Tetraopes basalis LeConte, 1852: 157; Melsheimer, 1853: 110; Thomson, 1857e: 63; LeConte, 1857: 24; 1866: 249; Snow, 1883: 42; Knaus, 1903: 189 (distr.); Chemsak, 1963: 55, pls., (revis, syn.); Hatch, 1971: 157; Chemsak, Linsley & Noguera, 1992: 155 (cat.); Linsley & Chemsak, 1985: 275, fig. 46; Monné, M.A., & Giesbert, 1994: 278 (cat.); Monné, M.A., 1995b: 30 (cat.); Monné, M.A., & Hovore, 2006: 299 (checklist);

Tetraopes femoratus var. *basalis*; Horn, 1878: 49; Leng & Hamilton, 1896: 160; Fall & Cockerell, 1907: 194 (distr.); Wickham, 1909a: 30 (distr.); Garnett, 1918: 284 (distr.); Wright & Whitehouse, 1941: 72 (distr.)

Tetraopes mancus LeConte, 1859a: 81; Casey, 1913: 274; Davis, 1932: 85

Tetraopes femoratus var. *mancus*; Horn, 1878: 49; Leng & Hamilton, 1896: 160; Garnett, 1918: 284 (distr.)

Syntypes locality - Syntypes male and female: United States, California: Fort Tejon (MCZN)

Tetraopes omissus Casey, 1913: 377; Lingafelter *et al*., 2014: 292, fig. 123 e (holotype)

Type locality - Holotype: United States, California. (USNM)

Tetraopes junctus Casey, 1913: 380; Lingafelter *et al*., 2014: 83, fig. 91 k(holotype)

Type locality - Holotype: United States; Colorado ? (USNM)

Tetraopes obsoletus Casey, 1913: 382; Lingafelter *et al*., 2014: 11º, fig 121 o (lectotype)

Type locality - Lectotype: United States, California: Siskiyou County (USNM)

Tetraopes coccineus Casey, 1913: 382; Lingafelter *et al*., 2014: 42, fig. 43 s (lectotype)

Type locality - Lectotype: United States, California (USNM)

Tetraopes latior Casey, 1924: 296; Lingafelter *et al*., 2014: 87, fig. 95 q (lectotype)

3. *Tetraopes discoideus* LeConte, 1858

Syntypes locality - Syntypes: United States, New Mexico: Llano Estacado. (MCZN). **Distribution** - United States (New Mexico, Kansas, Texas), Mexico (Chihuahua, Nuevo León, Durango, Zacatecas, Aguascalientes, Guerrero, Hidalgo, Jalisco, Michoacán, Puebla, Veracruz, San Luís Potosí, Oaxaca, Mexico, Chiapas, Tamaulipas), Guatemala, Honduras, El Salvador, Nicaragua. **Host plants** - *Asclepias auriculata* Kunth, *A. curassavica* Linnaeus, *A. glaucescens* Kunth, *A. linaria* Cavanilles, *A. subverticillata* Vail (Asclepiadaceae).

Tetraopes discoideus LeConte, 1858: 26; Horn, 1878: 48, 49; Snow, 1883: 42 (distr.); Horn, 1886c: xiii (syn.); Hamilton *in* Leng & Hamilton, 1896: 158; Snow, 1906: 180 (distr.); Casey, 1913: 375; Knull, 1948: 83 (distr.); Linsley, Knull & Statham, 1961: 32, fig. 23 (distr., biol..); Chemsak, 1963: 33, figs. 2, 7-9, pl. 8; Hovore & Giesbert, 1976: 358 (biol.); Chemsak, Linsley & Mankins, 1980: 37 (distr.); Hovore, Penrose & Neck, 1987: 321 (distr., hosts); Rice, 1989b: 414 (biol.); Terrón, 1992: 289 (distr.); Chemsak, Linsley & Noguera, 1992: 156 (cat.); Lingafelter & Horner, 1993: 187 (distr.); Monné, M.A., & Giesbert, 1994: 278 (cat.); onné, M.A., 1995b: 31 (cat.); Linsley & Chemsak, 1995: 258, fig. 49; Noguera & Chemsak, 1996: 407 (cat.); Linsley & Chemsak, 1997: 442 (hosts); Heffern, 1998: 23 (distr.); Monné, M.A., 2002: 61 (cat. hosts); Toledo *et al*., 2002: 532 (distr.); Turnbow, Cave & Thomas, 2003: 41 (distr.); Monné, M.A., 2005: 658 (cat.); Hovore, 2006: 378 (distr.); Monné, M.A., & Hovore, 2006: 299 (checklist); Noguera *et al*., 2007: 314 (distr.); Maes *et al.*, 2010: 769, 5 figs (distr.); Ordóñez-Reséndiz & Martínez-Ramos. 2017: 828 (distr.);); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 497

Tetraopes discoides; García Morales *et al*., 2015: 111 (distr., error).

Tetraopes rubrocinereus Thomson, 1860: 67; Lacordaire, 1876: pl. 110, figs 2, 2a; Thomson, 1878: 15 (type); Bates, 1881a: 202 (distr.); Fall & Cockerell, 1907: 194 (distr.).

Tetraopes discoideus var. *rubrocinereus*; Aurivillius, 1923: 575 (cat.).

Type locality - Holotype: Mexico. (MNHN).

Tetraopes nanulus Casey, 1913: 376; Lingafelter *et al*., 2014: 103, figs. 114g, h (holotype).

Type locality - Holotype male: United States, Arizona. (USNM).

Tetraopes nigricollis Casey, 1913: 376; Lingafelter *et al*., 2014: 106, figs. 117a, b (lect. designation).

Type locality - Lectotype male: United States, New Mexico: Fort Wingate. (USNM).

4. *Tetraopes femoratus* LeConte, 1847

Type locality - Holotype: United States "toward the Arkansas River, near the mountains". (MCZN). **Distribution -** From southernmost Ontario, and from southern Manitoba to Vancouver Island, south to east-central California, central Mexico, and eastern Tennesse, Great Plains to Ohio, Arizona to Texas **Host plants** - *Asclepias hallii* A. Gray, *A. hirtella* (Pennell) R.E. Woodson, *A. latifolia* (Torrey) Rafinesque-Schmaltz, *A. lemmoni* A. Gray, *A. mexicana* Cavanilles, *A. speciosa* Torrey, *A. syriaca* Linnaeus, *Asclepiodora viridis* A. Gray (Asclepiadaceae).

Tetraopes femoratus LeConte, 1847: 93; 1852: 157; Thomson, 1857e: 63; Horn, 1878: 48, 49; Snow, 1883: 42 (distr.); Gahan, 1892: 267 (syn.); Townsend, 1895: 48; Leng & Hamilton, 1896: 160; Gillette, 1897: 76 (biol.); Harrington, 1899b: 108 (distr.); Fall, 1901: 151 (distr.); Knaus, 1904: 156 (distr.); Fall & Cockerell, 1907: 194 (distr.); Schaeffer, 1908a: 329 (distr.); Wickham, 1909a: 30 (distr.); Blatchley, 1910: 1094 (distr.); Casey, 1913: 383; Graham, 1922: 196, pl. 3, fig. 2; Criddle, 1925: 98 (distr.); 1926: 98 (distr.); Kirk & Knull, 1926: 46 (distr.); Essig, 1926: 462, fig. 371; Ware, 1929: 369 (distr.); Knowlton, 1930: 76 (distr.); Pack, 1930: 220 (distr.); Davis, 1932: 85 (distr.); Beaulne, 1932: 222 (hosts); Saalas, 1936: 164; Moore, 1937: 92 (distr.); Williams, 1941b: 169 (biol.); Wright & Whitehouse, 1941: 72 (distr.); Knull, 1946: 284; Vogt, 1949: 184; Knowlton & Wood, 1950: 13 (distr.); Smith, 1953: 41 (biol.); Edgren & Calhoun, 1958: 91 (biol.); Linsley, Knull & Statham, 1961: 32; Dillon & Dillon, 1961: 657, pl. 65, No. 15, front cover; Chemsak, 1963: 61, figs 1, 17, pls 5, 6, 9 (rev., syn.); Hatch, 1971: 157, pl. 18, fig. 8; Swan & Papp, 1972: 457; Kirk & Balsbaugh, 1975: 101 (distr.); Gosling & Gosling, 1976: 36, fig. 183 (biol.); Lawson, 1977: 172, figs 1, 3, 5-7, 10, 12-15 (morphol.); Dailey, Graves & Kingsolver, 1978: 226; Price & Willson, 1979: 76; Rice & Enns, 1981: 106 (distr., hosts); Gosling, 1984: 73; Rice, Turnbow & Hovore, 1985: 23 (hosts); MacKay, Zak & Hovore, 1987: 366 (distr., hosts); Hovore, Penrose & Neck, 1987: 322 (distr., hosts); Rice, 1989b: 415 (biol.); Terrón, 1992: 288 (distr.); Chemsak, Linsley & Noguera, 1992: 156 (cat.); Lingafelter & Horner, 1993: 188 (distr.); MacRae, 1993: 248 (distr.); Monné, M.A., & Giesbert, 1994: 279 (cat.); Monné, M.A., 1995b: 31 (cat.); Linsley & Chemsak, 1995: 277, figs 46, 52, 53; Noguera & Chemsak, 1996: 407 (cat.); Linsley & Chemsak, 1997: 442 (hosts); Schiefer, 1998a: 280, fig. 1; Heffern, 1998: 23 (distr.); Monné, M.A., 2002: 62 (cat. hosts); Monné, M.A., 2005: 658 (cat.); Monné, M.A., & Hovore, 2006: 299 (checklist);Bouchard, 2014: 540; Brust & Hoback, 2016: 183; Rice, MacRae & Merickel, 2017: 671 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 185, pl, 46;); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 497

Tetraopes femoralis; Popenoe, 1877: 34 (distr.); Snow, 1878: 67 (distr.) (error).

Tetraopes femuratus; Ruíz Cancino & Coronado Blanco, 2002: 104 (distr., error).

Tetraopes oregonensis LeConte, 1854a: 19; 1857: 65; Knaus, 1905b: 219 (distr,); Snow, 1906: 170 (distr.).

Tetraopes femoratus var. *oregonensis*; Horn, 1878: 49; Leng & Hamilton, 1896: 160; Schaeffer, 1908a: 331 (distr.).

Syntypes locality - Syntypes: United States, Oregon: Wanass River to Fort Colville. (MCZN).

Tetraopes collaris Horn, 1878: 49; Lameere, 1883: 76 (cat.); Leng & Hamilton, 1896: 160; Casey, 1913: 385; 1918: 416 (syn.); Criddle, 1925: 98 (distr.); Knowlton & Wood, 1950: 13 (distr.).

Syntypes locality - Syntypes male and female: United States, New Mexico. (ANSP).

Tetraopes nigripes Casey, 1913: 377; Lingafelter *et al*., 2014: 106, figs. 117g, h (holotype).

Type locality - Holotype male: Mexico, Chihuahua: 6 mi S Colonia Garcia. (USNM).

Tetraopes vegasensis Casey, 1913: 380; Lingafelter *et al*., 2014: 342, figs. 180g, h (lect. designation).

Type locality - Lectotype male: United States, New Mexico: Las Vegas. (USNM).

Tetraopes velutinus Casey, 1913: 380; Knaus, 1914: 91; Lingafelter *et al*., 2014: 342, figs. 180i, j (lect. designation).

Type locality - Lectotype male: United States, Kansas: Finney Co. (USNM).

Tetraopes robustus Casey, 1913: 381; Lingafelter *et al*., 2014: 311, figs. 144u, v (lect. designation).

Type locality - Lectotype male: United States, Colorado ?. (USNM).

Tetraopes brevisetosus Casey, 1913: 381; Knaus, 1914: 91; Lingafelter *et al*., 2014: 33, figs. 34g, h (lect. designation).

Type locality - Lectotype male: United States, Kansas. (USNM).

Tetraopes punctipennis Casey, 1913: 383; Lingafelter *et al*., 2014: 306, figs. 140g, h (holotype).

Type locality - Holotype male: United States, Texas. (USNM).

Tetraopes atrisetosus Casey, 1913: 383; Lingafelter *et al*., 2014: 21, figs. 21q, r (lect. designation).

Type locality - Lectotype male: United States, New Mexico: Fort Wingate. (USNM).

Tetraopes femoratus amnicola Casey, 1913: 383; Lingafelter *et al*., 2014: 61, figs. 65s, t (lect. designation).

Type locality - Lectotype male: United States, Iowa: Keokuk. (USNM).

Tetraopes femoratus monticola Casey, 1913: 384; Lingafelter *et al*., 2014: 61, figs. 65u, v (holotype).

Type locality - Holotype female: United States, Utah. (USNM).

Tetraopes spissicornis Casey, 1913: 384; Lingafelter *et al*., 2014: 323, figs. 159k, l (lect. designation).

Type locality - Lectotype male: United States, Arizona: Oak Creek Canyon. (USNM).

Tetraopes ruber Casey, 1913: 384; Lingafelter *et al*., 2014: 311, figs. 145o, p (lect. designation).

Type locality - Lectotype male: United States, Arizona. (USNM).

Tetraopes fortis Casey, 1913: 384; Lingafelter *et al*., 2014: 65, figs. 70i, j (holotype).

Type locality - Holotype female: Mexico, Durango City. (USNM).

Tetraopes caseyi Aurivillius, 1923: 575 (cat., new name for *Tetraopes nigripes* Casey, 1913).

5. *Tetraopes linsleyi* Chemsak, 1963

Type locality - Holotype male: United States. Arizona: Graham Mts. (CACS). **Distribution** - United States (Arizona, Texas and New Mexico). **Host plants** - *Asclepias asperula* (Decaisne) R.E.Woodson, *A.linaria* Cavanilles. *A. subverticillata* Vail (Asclepiadaceae).

Tetraopes linsleyi Chemsak, 1963: 31, pl. 8, fig. 7; Hovore & Giesbert, 1976: 358 (biol); Hovore, 1983: 386 (biol.); Monné, M.A., & Giesbert, 1994: 279 (cat.); Monné, M.A., 1995b: 33 (cat.); Linsley & Chemsak, 1985: 256, fig. 48; 1997: 442 (hosts); Chemsak & Noguera, 2004: 242; Monné, M.A., & Hovore, 2006: 299 (cat.)

6. *Tetraopes mandibularis* Chemsak, 1963

Type locality - Holotype male: United States, Texas Childress County, Childress (USNM). **Distribution** - United States (Oklahoma and Texas) **Host plants** - *Asclepias asperula* (Decaisne) R.E.Woodson, *A.linaria* Cavanilles. *A. subverticillata* Vail (Asclepiadaceae).

Tetraopes mandibularis Chemsak, 1963: 47; Rice. Turnbow & Hovore, 1985: 23 (hosts); Lingafelter & Horner, 1993: 187 (distr.); Monné, M.A., & Giesbert, 1994: 279 (cat.); Monné, M.A., 1995b: 33 (cat.); Linsley & Chemsak, 1997: 442 (hosts); Heffern 1998: 24 (distr.); Monné, M.A., & Hovore, 2006: 299 (cat.); Lingafelter *et al*., 2014: 95, fig. 104 s (holotype)

7. *Tetraopes melanurus* (Schoenherr, 1817)

Type locality - Holotype: America Borealis. (NHRS) **Distribution.** From southern Maine to eastern Nebraska, including southern Ontario, south to Mississippi and central Florida. **Host plants** – *Asclepias rolfsii* Britton, *A. tuberosa* Linnaeus (Asclepiadaceae).

Lamia (Tetraopes) tornator var. *melanura* Schoenherr, 1817: 401

Tetraopes tetrophthalmus var. *melanurus*; Gemminger in Gemminger & Harold, 1873: 3206 (cat.);

Tetraopes melanurus; Aurivillius, 1923: 576 (cat.); Knull, 1946: 183, ´pl. 26, fig. 112; Alexander, 1958: 50 (distr.); Dillon & Dillon, 1961: 656, pl. 65; Chemsak, 1963: 21, fig. 4 (revis.); Kirk, 1969: 88 (distr.); Gosling & Gosling, 1976: 36 (distr.); Headstrom, 1977: 384, fig. 535; Turnbow & Franklin, 1980: 347 (distr.); Nishio, Blum & Takahashi; 1983: 43; Chemsak, Linsley & Noguera, 1992: 156 (cat.); Monné, M.A., & Giesbert, 1994: 279 (cat.); Monné, M.A., 1995b: 33 (cat.); Linsley & Chemsak, 1995: 254; Monné, M.A., 1995b: 33 (cat.); Yanega, 1996: 147, pl. 20, figs 237; Linsley & Chemsak, 1997: 442 (hosts); Schiefer, 1998b: 128 (distr.); Peck & Thomas, 1998: 124 (distr.); Vlasák & Vlasakova, 2002: 217 (distr.); Chemsak & Noguera, 2004: 242; Sikes & Webster, 2005: 327 (distr.); Monné, M.A., & Hovore, 2006: 299 (checklist); Holt, 2013: 255 (distr., hosts); Klingeman *et al*., 2017: 299 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 185, pl. 46; Hack & Ruesink, 2020: 156

Lamia canteriator Drapiez, 1819: 47, pl. 16, fig. 6; Guérin-Menéville, 1844: 240;

Tetraopes canteriator; Say, 1835: 196; Haldeman, 1847a: 53; LeConte, 1852: 156; Melsheimer, 1853: 109 (cat.); Thomson, 1857e: 62; Cresson, 1861: 32; Evett, 1861: 32; Bland, 1861: 98 (distr., hosts); Lacordaire, 1872: 880; Horn, 1878: 48; Smith, 1882: 26 (biol.); Horn, 1889b: 212; 1889c: 199 (syn.); Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 159 (cat.); Wickham, 1898a: 44; Smith, 1900: 297; Dury, 1902: 163 (distr.); Ulke, 1903: 27 (distr.); Wickham, 1909a: 30 (distr.); Blatchley, 1910: 1093; Smith, 1910: 337; Leng, 1911: 215 (distr.); Fisher & Kirk, 1912: 316 (distr.); Casey, 1913: 376; Johnson, 1915: 316 (distr.); Nicolay, 1919: 72 (distr.); Britton, 1920: 272 (distr.); Weiss & Dickerson, 1921: 140 (hosts); Hatch, 1925: 581 (distr.); Kirk & Knull, 1926: 46 (distr.); Leonard, 1928: 457 (distr.); Ware, 1929: 369 (distr.); Beaulne, 1932: 222 (hosts); Brimley, 1938: 220 (distr.); Loding, 1945: 125 (distr.)

Type locality - Holotype: United States. Georgia: Savannah. (depository unknown)

Lamia (Tetraopes) arator Germar, 1823: 246

Tetraopes arator; Audinet-Serville, 1835: 69

Type locality - Holotype: America meridionalis (MNHU)

8.*Tetraopes pilosus* Chemsak, 1963

Type locality - Holotype male: United States, Kansas: Madora, Reno County. (CACS). **Distribution** - United States (Kansas, Nebraska, Texas, Colorado and Oklahoma).

Tetraopes pilosus Chemsak, 1963: 40. Ruette, 1970: 22 (paratypes); Rice, Turnbow & Hovore, 1985: 23 (hosts); Rice, 1988: 415 (biol.); Chemsak, Linsley & Noguera, 1992: 156 (cat.); Monné, M.A., & Giesbert, 1994: 279 (cat.); Monné, 1995b: 33 (cat.); Yanega, 1996: 147, pl. 20, fig. 232; Linsley & Chemsak, *1997*: 442 (hosts); Heffern, 1998: 24 (distr.); Monné, M.A., & Hovore, 2006 : 300 (cat.)

9. *Tetraopes quinquemaculatus* Haldeman, 1847

Type locality - Holotype: Canada (MCZN. **Distribution**. This species ranges from southern Ontario to central Nebraska, south to Texas **Host plants** - *Asclepias syriaca* Linnaeus, *A. tuberosa* Linnaeus (Asclepiadaceae)

Tetraopes 5-maculata Haldeman, 1847a: 53

Tetraopes 5-maculatus; LeConte, 1850: 234; 1852: 157; Melsheimer, 1853: 110 (cat.); Thomson, 1857e: 63

Tetraopes quinquemaculatus; LeConte, 1858: 41; Popenoe, 1877: 34 (distr.); Horn, 1878: 49; Snow, 1878: 67 (distr.); Townsend, 1889: 233; Leng & Hamilton, 1896: 160 (cat.); Ulke, 1903: 27 (distr.); Blatchley, 1910: 1094; Casey, 1913: 277; Hicks, 1945: 214 (distr.); Knull, 1946: 283; Chemsak, 1963: 48 (revis.); Bayer & Shenefelt, 1969: 34, fig. 41; Gosling & Gosling, 1976: 36; Price & Willson, 1979: 76; Ode, 1980: 43; Rice & Enns, 1981: 106 (distr., hosts); Gosling, 1984: 73 (hosts); Rice, 1988: 416 (biol.); Chemsak, Linsley & Noguera, 1992: 156 (cat.); MacRae, 1993: 248 (distr.); Linsley & Chemsak, 1995: 271; Monné, M.A., 1995b: 34 (cat.); Yanega, 1996: 147, pl. 20, fig. 239; Linsley & Chemsak, 1997: 442 (hosts);

Chemsak & Noguera, 2004: 244; Monné, M.A., & Hovore, 2006: 300 (checklist);MacRae & Rice, 2007: 257 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 186, pl, 46

10. *Tetraopes skillmani* Chemsak & Noguera, 2004

Type locality - Holotype male: United States, Arizona: Santa Cruz County, Nogales, Duquesne Road. (EMEC). **Distribution** - United States (Arizona) Mexico (Tamaulipas). **Host plants -**

Tetraopes skillmani Chemsak & Noguera, 2004: 40, fig. 3; Monné, M.A., & Hovore, 2006: 300 (cat.); Garcia Morales, *et al*.,2014: 111; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 :

11. *Tetraopes sublaevis* Casey, 1913

Type locality - Lectotype female: United States, California. (USNM). **Distribution** - United States (California: San Diego County north to Kern County and east to Arizona) **Host plants** – *Asclepias erosa* Torrey (Asclepiadaceae)

Tetraopes sublaevis Casey, 382; Chemsak, 1963: 52, fig. 13, pls 1-3, 7; Chemsak, Linsley & Noguera, 1992: 156 (cat.); Linsley & Chemsak, 1995: 272; Monné, M.A., & Giesbert, 1994: 279 (cat.); Monné, M.A., 1995b: 34 (cat.); Chemsak & Noguera, 2004: 2004; Monné, M.A., & Hovore, 2006: 300 (cat.); Lingafelter *et al*., 2014: 328, fig. 164 m (lectotype).

Tetraopes sandix Casey, 1914: 370; Moore, 1937: 92 (distr.); Lingafelter *et al*., 2014: 314, fig. 148 w (lectotype)

Type locality - Lectotype male: United States, California, San Diego County, Witch Creek (USNM)

12. *Tetraopes tetrophthalmus* (Forster, 1771)

Type locality - Type: America septentrionale, Novaboracense (depository unknown). **Distribution**. From the vicinity of the St. Lawrence estuary in Quebec to the Brandon area in southern Manitoba, south to central Texas and northern Georgia. **Host plants** - *Apocynum cannabicum* Linnaeus (Apocynaceae), *Acerates viridiflora* (Rafinesque) Eaton, *Asclepias incarnate* Linnaeus, *A. perennis* Walter, *A. spinosa* Vellozo, *A. syriaca* Linnaeus (Asclepiadaceae).

Cerambyx tetrophthlalmus Forster, 1771: 41; 1775: 14, pl. 32, figs 4, 4a;

Tetraopes tetropthalmus; Say, 1835: 196

Tetraopes tetrophthalma; Haldeman, 1847a: 53; Emmons, 1854: 124, pl. 5, fig. 11

Tetraopes tetrophthalmus; LeConte, 1852: 156; Thomson, 1857e: 62; LeConte, 1859a: 49; Thomson, 1860: 66; Bland, 1861: 98 (distr., hosts); Thomson, 1864: 125; Provancher, 1877: 637; Popenoe, 1877: 34 (distr.); Horn, 1878: 48; Devereaux, 1878: 143 (biol.); Snow, 1878: 67 (distr.); Forbes, 1880: 141; Riley, 1880a: 271 (biol.); Bates, 1881a: 201; Smith, 1882: 26 (biol.); Horn, 1886a: 138; Robertson, 1891: 574; Wolcott, 1895: 310 (distr.); Hamilton, 1895a: 339 (distr.); Leng & Hamilton, 1896: 159 (cat.); Beutenmuller, 1896: 81 (biol.); Wickham, 1898a: 44; Harrington, 1899b: 103; Smith, 1900: 297; Dury, 1902: 163; Ulke, 1903: 27 (distr.); Chagnon, 1905b: 36 (distr.); Heyne & Taschenberg, 1908: 244, pl. 37, fig. 24; Blatchley, 1910: 1093; Smith, 1910: 337; Fisher & Kirk, 1912: 316 (distr.); Casey, 1913: 379; Kellogg, 1914: 284, pl. 2, fig. 10; Adams, 1915: 377 (biol.); Johnson, 1916: 120 (distr.); Chagnon, 1917: 238 (distr.); Nicolay, 1919: 72 (distr.); Blatchley, 1920b: 263 (distr.); Britton, 1920: 272 (distr.); Weiss & Dickerson, 1921: 124 (biol.); Clench, 1923: 367; Craighead, 1923: 135, figs (larva); Kirk & Knull, 1926: 46 (distr.); Leonard, 1928: 457 (distr.); Ware, 1929: 369 (distr.); Swingle, 1931: 179; Jones, 1932: 257, pls.. (mimet.); Beaulne, 1932: 222 (hosts); Goldman, 1933: 98, pl. 5, figs 64-67; Yeager & Knight, 1933: 598; Saalas, 1936: 165, pl. 16, fig. 258 (morph.); Chagnon, 1938: 279; Brimley, 1938: 220 (distr.); Darlington, 1938: 693; Williams, 1941: 137 (biol.); Schwitzgebel & Wilbur, 1942: 43 (hosts); Smith *et al*., 1943: 314; Knull, 1946: 284; Judd, 1949: 195; Shiraki, 1952: 16 (biol.); Duffy, 1953: 41; Smith, 1953: 41; Alexander, 1957: 108 (biol.); Edgren & Calhoun, 1958: 91 (biol.); Alexander, 1958: 50 (distr.); Gibson & Carrillo, 1959: 121; Duffy, 1960: 280 (larva, hosts); Gardiner, 1961b: 678, figs 1, 2; Dillon & Dillon, 1961: 257, pl. 65;

Chagnon & Robert, 1962: 279; Alexander, Moore & Woodruff, 1963: 114, pl. 10, fig. 9; Chemsak, 1963: 41, figs 1, 11 (revis.); Mason, 1964: 161; Gardiner, 1966: 204, figs 32, 53; Bayer & Shenefelt, 1969: 34, fig. 41; Gardiner, 1969: 107 (larva); Swan & Papp, 1972: 457, fig. 982; Kirk & Balsbaugh, 1975: 101 (distr.); Stein & Tagestad, 1976: 43; Gosling & Gosling, 1976: 36 (distr.); Price & Willson, 1976: 331; Lawson, 1977: 172, figs; Laliberté, Chantal & LaRochelle, 1977: 99 (distr., hosts); Headstrom, 1977: 385, fig. 536; Scheiring, 1977: 447; Dailey, Graves & Kingsolver, 1978 226; Price & Willson, 1979: 76; Ode, 1980 43; Davis, 1980: 42; 1981: 385 (biol.); Rice & Enns, 1981: 106 (distr., hosts); McCauley, 1982: 23; Mason, 1983: 235; Gosling, 1984: 73 (hosts); Davis, 1984: 230, figs 1-5; McCauley & Reilly, 1984: 526 (biol.); White, 1985: 289, fig. 125; McCauley, 1987: 21 (biol.); Rice, 1988: 417; Lawrence, 1990: 1096; Chemsak, Linsley & Noguera, 1992: 156 (cat.); MacRae, 1993: 248 (distr.); Linsley & Chemsak, 1995: 265, fig. 46; Monné, M.A., & Giesbert, 1994: 279 (cat.); Monné, M.A., 1995b: 34 (cat.); Yanega, 1996: 148, pl. 20, figs 236; Linsley & Chemsak, 1997: 442 (hosts); Heffern, 1998: 24 (distr.); Matter, 2001: 333 (biol.); Vlasák & Vlasakova, 2002: 217 (distr.); Reagel, Ginzel & Hanks, 2002: 1037; Chemsak & Noguera. 2004: 243; Monné, M.A., & Hovore, 2006: 300 (checklist); Guarnieri, 2009: 20 (distr.); Holt, 2013: 255 (distr.); Steury & MacRae, 2014: 12 (distr., hosts); Brust & Hovack, 2016: 183; Haack, 2017: 111 (hosts); Klingeman *et al*., 2017: 299 (distr.); Hanks & Wang, 2017: 134; Haack, Keena & Eyre, 2017: 87; Bousquet, Laplante, Hammond & Langor, 2017: 186, pl, 46; Haack & Ruesink, 2020: 156

Lamia tornator Fabricius, 1775: 176; 1781: 223; 1787: 141; 1793: 287; Olivier, 1797: 469; Fabricius, 1801: 301; Tigny, 1802: 302; Latreille, 1830: 190; Guérin-Menéville, 1844: 420

Cerambyx (Lamia) tornator; Gmelin, 1790: 1834 ; Olivier, 1800: 103, pl. 8, fig. 52; Zimsen, 1964: 171 (types)

Lamia (Tetraopes) tornator; Schoenherr, 1817: 401

Tetraopes tornator; Guérin-Ménéville, 1826: 186; Audinet-Serville, 1835: 69; Say, 1835: 196; Thon & Reichenbach, 1838: 211, pl. 99, fig. 648; Laporte, 1840: 487, pl. 53, fig. 3; Berge, 1844: 123, pl. 11, fig. 9; Melsheimer, 1853: 109 (cat.); LeConte, 1859b: 665; Chenu, 1870: 325, fig. 271

Syntypes locality - Syntypes: America (ZMCH)

Lamia 13-punctata Drapiez, 1820: 121, pl. 54, fig.; Guérin-Menéville, 1844: 420

Type locality - Holotype: America meridionali (depository unknown)

Tetraopes tetrophthalmus iowensis Casey, 1913: 386; Lingafelter *et al*., 2014: 332, fig. 169 i (lectotype)

Type locality - Lectotype male: United States. Iowa. Keokuk (USNM)

Tetraopes humeralis Casey, 1913: 379; Lingafelter *et al*., 2014: 87, fig. 84 i (holotype)

Type locality - Holotype male: United States: Dakota (USNM)

13. *Tetraopes texanus* Horn, 1878

Type locality - Type: United States, Texas. (ANSP). **Distribution** - United States (Eastern Oklahoma to western and southern Texas), northern Mexico. **Host plants** - *Asclepias syriaca* Linnaeus, *A. viridiflora* Rafinesque, *Asclepiodora viridis* A. Gray (Asclepiadaceae).

Tetraopes quinquemaculatus var. *texana* Horn, 1878: 49.

Tetraopes texanus; Casey, 1913: 385; Alexander, 1958: 51 (distr.); Chemsak, 1963: 46; Hovore, Penrose & Neck, 1987: 321 (distr.); Rice, 1988: 418 (biol.); Chemsak, Linsley & Noguera, 1992: 157 (cat.); Lingafelter & Horner, 1993: 187 (distr.); MacRae, 1993: 249 (distr.); Monné, M.A., & Giesbert, 1994: 279 (cat.); Monné, M.A., 1995b: 35 (cat.); Linsley & Chemsak, 1995: 268; Linsley & Chemsak, 1997: 443 (hosts); Schiefer, 1998b: 128 (distr.); Heffern, 1998: 25 (distr.); Chemsak & Noguera, 2004: 143; Warriner, 2005: 267 (distr., hosts); Monné, M.A., & Hovore, 2006: 300 (checklist); Holt, 2013: 255 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 :497

14. *Tetraopes thermophilus* Chevrolat, 1861

Syntypes locality - Syntypes: Mexico, Veracruz. (BMNH). **Distribution** - United States (southeastern Texas), Mexico, Guatemala, Nicaragua, El Salvador. **Host plants** - *Plumeria* sp. (Apocynaceae), *Asclepias* sp. (Asclepiadaceae), *Sesamum* sp. (Pedaliaceae).

Tetraopes thermophilus Chevrolat, 1861: 190; Bates, 1881a: 201 (distr.); Chemsak, 1963: 54 (rev.); Hovore, Penrose & Neck, 1987: 321 (distr.); Chemsak, Linsley & Noguera, 1992: 157 (cat.); Maes *et al*., 1994: 54 (distr., hosts); Monné, M.A., & Giesbert, 1994: 279 (cat.); Monné, M.A., 1995b: 35 (cat.); Linsley & Chemsak, 1995: 274; Noguera & Chemsak, 1996: 407 (distr.); Maes, 1998: 940 (distr.); Monné, M.A., 2002: 63 (cat. hosts); Monné, M.A., 2005: 660 (cat.); Hovore, 2006: 378 (distr.); Monné, M.A., & Hovore, 2006: 300 (checklist); Maes *et al.*, 2010: 772, 3 figs (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 :497

TETROPINI Portevin, 1927

Tetropides Planet, 1924: 326; (invalided name)

Tetropini; Portevin, 1927: 39; Sama, 2008: 240; Bouchard *et al*., 2011: 502

Type-genus - *Tetrops* Stephens, 1829

Type-species - *Leptura praeusta* Linnaeus, 1758 (monotpy)

Tetrops Kirby, 1826

Tetrops Kirby, 1826: 498

Type-species - *Leptura praeusta* Linnaeus, 1758 (monotypy)

Anaetia Dejean, 1835: 350

Type-species - *Leptura praeusta* Linnaeus, 1758 (monotypy)

Polyopsia Mulsant, 1839: 182

Type-species - *Leptura praeusta* Linnaeus, 1758 (monotypy)

1.*Tetrops praeustus* (Linnaeus, 1758)

Syntype locality - Syntypes: Sweden, Scania (UZIU). **Distribution** – Europa, Asia northern Africa. Introduced in northern United States and Canada. **Host plants** - *Acer negundo* Linnaeus (Aceraceae), *Quercus robur* Linnaeus (Fagaceae), *Juglans regia* Linnaeus (Juglandaceae), *Fraxinus excelsior* Linnaeus (Oleaceae), *Frangula alnus* Miller (Rhamnaceae), *Malus sylvestris* Miller, *Prunus domestica* Linnaeus, *Rosa canina* Linnaeus (Rosaceae), *Salix alba* Linnaeus (Salicaceae).

Leptura praeusta Linnaeus, 1758: 399

Tetrops praeusta; Stephens, 1831: 242; Yanega, 1996: 148, pl. 19, fig. 126 (imported); Howden & Howden, 2001: 220 (distr.); Landry, 2001: 26 (distr.); Vlasák & Vlasakova, 2002: 217 (distr.); Monné, M.A., & Hovore, 2006: 300 (checklist); Webster, 2016: 489 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 204 (distr.)

Leptura pilosa Geoffroy, 1785: 78

Syntypes locality - Syntypes: France, Paris, Seina (MNHN)

Saperda ustulata Hagenbach, 1822: 11, fig. 4

Type locality - Holotype: Switzerland, Bale (NHMB)

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