

**Catalogue of the Cerambycidae (Coleoptera) of Canada and
United States of America. Part III. Subfamily
Cerambycinae**

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Catalogue of the Cerambycidae (Coleoptera) of Canada and United States of America. Part I. Subfamily Cerambycinae.

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All informations of the present catalogue were previously published, there is not unpublished data.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 is based on previously published records.

In each subfamily, tribes are listed in alphabetical order, and in each tribe genera and species follow the same order. The geographical distribution of the species registered from Canada was adapted from Bousquet, Laplante, Hammond and Langor, 2017. 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 and host flowers (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)
m. - morpho
mim. - mimetism
paras. - parasites
pherom. - pheromones
pred. - predators
refs - bibliographic references
rev. - revision
reval. - revalidation
syn. - synonymy
var. - variety

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

AMNH - American Museum of Natural History, New York City, 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, Ottawa, Ontario, Canada.
EMEC - Essig Museum of Entomology, University of California, Berkeley, California, United States.
EMHU - Entomological Museum Hokkaido University, Sapporo, Japan.
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.
HNHM - Hungarian Natural History Museum, Budapest, Hungary.
IESC - Instituto de Ecología y Sistemática, Academia de Ciencias, La Habana, Cuba.

INRA - Institut National de la Recherche Agronomique, Duclos, Petit-Bourg, Guadeloupe.
 ISNB - Institut Royal des Sciences Naturelles de Belgique, Brussels, Belgium.
 LACM - Natural History Museum of Los Angeles County, Los Angeles, California, United States.
 LSUK - Linnaean Society, London, United Kingdom.
 MACN - Museo Argentino de Ciencias Naturales “Bernardino Rivadavia”, Buenos Aires, Buenos Aires, Argentina.
 MAGD - Museum and Art Gallery, Doncaster, United Kingdom.
 MCZN - Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, United States.
 MNRJ - Museu Nacional, Universidade Federal do Rio de Janeiro, Rio de Janeiro, Rio de Janeiro, Brazil.
 MVMA - Museum of Victoria, Abbotsford, Victoria, Australia.
 MZHF - Finish Museum of Natural History, University of Helsinki, Helsinki, Finland.
 NHMB - Naturhistorisches Museum, Basel, Switzerland.
 NHMI – Naturhistorika Museum Innsbruck, Austria.
 NHMW - Naturhistorisches Museum, Vienna, Austria.
 NHRS - Naturhistoriska Riksmuseet, Stockholm, Sweden.
 NSMJ - National Science Museum of Tokyo, Japan.
 OXUM - Hope Entomological Collections, University Museum, Oxford, United Kingdom.
 SDEI - Senckenberg Deutsches Entomologisches Institut, Müncheberg, Germany.
 UNAM - Universidad Nacional Autónoma de Mexico, Mexico, D. F., Mexico.
 USNM - National Museum of Natural History, Smithsonian Institution, Washington, D. C., United States.
 UZIU - Uppsala University, Uppsala, Sweden.
 ZISP - Russian Academy of Sciences, Zoological Institut, St. Petersburg, Russia
 ZMHB - Museum für Naturkunde der Humboldt-Universität, Berlin, Germany.
 ZMUC - Zoological Museum, University of Copenhagen, Copenhagen, Denmark.
 ZMUK - Zoologisches Museum, Universität Kiel, Kiel, Germany.
 ZMUM - Zoological Museum, Moscow State University, Moscow, Russia.

CERAMBYCINAE Latreille, 1802

ACHRYSONINI Lacordaire, 1868

Achrysonides Lacordaire, 1868: 203, 231.

Achrysoninae; Bates, 1870: 247.

Achrysones; LeConte, 1873b: 300; LeConte & Horn, 1883: 285.

Achrysonini; Aurivillius, 1912: 39 (cat.); Saalas, 1936: 59; Linsley, 1962a: 46; Villiers, 1980b: 270; Napp & Martins, 1982a: 349 (rev.); Monné, M.A., 1993a: 35 (cat.); Martins, 2002: 38 (rev.); Monné, M.A., 2005: 9 (cat.); Bousquet *et al.*, 2009: 41; Bouchard *et al.*, 2011: 466.

Type-genus: *Achryson* Audinet-Serville, 1834a.

Type-species: *Stenocorus circumflexus* Fabricius, 1787 (monotypy).

***Achryson* Audinet-Serville, 1834**

Achryson Audinet-Serville, 1834a: 572; Laporte, 1840: 453; Blanchard, 1845: 153; Strauch, 1861: 130; Thomson, 1861: 231; 1864: 244; 1865: 451; Lacordaire, 1868: 232; Bates, 1870: 247; Chenu, 1870: 313; LeConte, 1873b: 300; Bates, 1879: 16; LeConte & Horn, 1883: 285; Leng, 1884: 115; Bradley, 1930: 229; Linsley, 1962a: 46; Arnett, 1962: 862, 879; Monné, M.

A., 1972: 103 (key spp.); Zayas, 1975: 55; Martins, 1976b: 76 (key spp.); Villiers, 1980b: 270; Napp & Martins, 1982a: 362; Monné, M.A., 1993a: 35 (cat.); Joly, 2000: 149; Martins, 2002: 83 (rev., syn.); Monné, M.A., 2005: 9 (cat.); Monné, M.A. & Hovore, 2006: 24 (checklist); Monné, M.A., 2012: 6.

Type-species - *Stenocorus circumflexus* Fabricius, 1787 (monotypy) [= *Cerambyx surinamum* Linnaeus, 1767].

Phrygion Gistel, 1848b: 131 (unjustified new name not in prevailing usage).

Trichomallus Lacordaire, 1868: 338.

Type-species - *Trichomallus maculipennis* Lacordaire, 1868 (monotypy).

1. *Achryson surinamum* (Linnaeus, 1767)

Syntypes locality - Syntypes: Surinam. (Depository unknown). **Distribution** - United States, Mexico, Central America, West Indies, South America (largely distributed to south Brazil and southern Argentina, Neuquén). **Host plants** - *Astronium fraxinifolium* Schott, *Mangifera indica* Linnaeus, *Myracrodruon balansae* (Engler) Santin, *Schinopsis balansae* Engler, *S. quebracho-colorado* (Schlechtendal) F.A. Barkley & T. Meyer, *Schinus molle* Linnaeus, *S. polygamus* (Cavanilles) Cabrera, *S. terebenthifolius* Raddi (Anacardiaceae), *Aspidosperma* sp. (Apocynaceae), *Bauhinia candicans* Benthams, *B. forficata* Hassler, *Caesalpinia paraguariensis* (Parodi) Burkart, *Cassia alata* Linnaeus, *Cercidium praecox* (Ruíz & Pavón) Harms, *Delonix* sp., *Hymenaea courbaril* Linnaeus, *Parkinsonia aculeata* Linnaeus, *Stahlia monosperma* (Tulasne) Urban, *Tamarindus indica* Linnaeus (Caesalpiniaceae), *Celtis australis* Linnaeus, *C. iguanaea* Jacquin, *C. laevigata* Willdenow, *C. pallida* Torrey, *C. pubescens* Kunth, *C. tala* Gillies ex Planchon (Cannabaceae), *Casuarina equisetifolia* Linnaeus (Casuarinaceae), *Alchornea sidaefolia* Baillon, *Sebastiania brasiliensis* Sprengel (Euphorbiaceae), *Brya ebenus* de Candolle, *Clathrotropis brachypetala* (Tulasne) Kleinhoonte, *Gliciridia sepium* (Jacquin) Walpers, *Lonchocarpus violaceus* Kunth, *Robinia hispida* Linnaeus, *R. pseudoacacia* Linnaeus (Fabaceae), *Carya illinoensis* (Wagenheim) K. Koch (Juglandaceae), *Cinnamomum camphora* (Linnaeus) J. Presl, *Nectandra falcifolia* (Nees) Castiglioni, *N. megapotamica* Mez, *Ocotea acutifolia* Mez (Lauraceae), *Gossypium* sp., *Luehea divaricata* C. Martius, *Theobroma* sp. (Malvaceae), *Melia azedarach* Linnaeus, *Swietenia* sp. (Meliaceae), *Acacia bonariensis* Gillies, *A. caven* (Molina) Molina, *A. decurrens* Willdenow, *A. farnesiana* (Linnaeus) Willdenow, *A. mangium* Willdenow, *A. mearnsi* De Wildeman, *A. melanoxylon* R. Brown, *A. polyphylla* de Candolle, *A. praecox* Grisebach, *A. tortuosa* (Linnaeus) Willdenow, *Albizia julibrissin* Durazzini, *A. lebeck* (Linnaeus) Benthams, *Cathormion polyanthum* (A. Sprengel) Burkill, *Enterolobium contortisiliquum* (Velloso) Morong, *Inga affinis* de Candolle, *I. edulis* Martius, *Leucaena leucocephala* (Lamarck) De Wit, *L. pulverulenta* (Schlechtendal) Benthams, *Mimosa pigra* Linnaeus, *Parapiptadenia rigida* (Benthams) Brenan, *Pithecellobium flexicaule* (Benthams) Coulter, *Prosopis alba* Grisebach, *P. alpataco* Philippi, *P. juliflora* (Swartz) de Candolle, *P. nigra* (Grisebach) Hieronymus (Mimosaceae), *Artocarpus altilis* (Parkinson) Fosberg, *Broussonetia papyrifera* (Linnaeus) Ventenat, *Chlorophora tinctoria* (Linnaeus) Benthams, *Ficus carica* Linnaeus, *Morus alba* Linnaeus, *M. nigra* Linnaeus (Moraceae), *Eucalyptus saligna* Smith, *Myrceugenia euosma* (Berg) D. Legrand, *Psidium guajava* Linnaeus (Myrtaceae), *Triplaris weigeltiana* (Reichenbach) O. Kuntze (Polygonaceae), *Colletia paradoxa* (Sprengel) Escalante (Rhamnaceae), *Salix matsudana* Koidzumi (Salicaceae), *Iodina rhombifolia* Hooker & Arnott ex Reissek (Santalaceae), *Solanum melongena* Linnaeus (Solanaceae), *Tamarix galica* Linnaeus (Tamaricaceae), *Ulmus crassifolia* Nuttall, *U. pumila* Linnaeus (Ulmaceae).

Cerambyx surinamus Linnaeus, 1767: 632; Gmelin, 1790: 1837; Olivier, 1790: 308.

Cerambyx surinamensis; Olivier, 1795: (67) 42, pl. 13, fig. 9 (error).

Achryson surinamum; White, 1855: 298; Thomson, 1864: 244; Burmeister, 1865: 175; Bates, 1870: 247; LeConte, 1873b: 300; Kirsch, 1875: 284 (distr.); Waterhouse, 1878: 303 (distr.); Bates, 1879: 16 (distr.); LeConte & Horn, 1883: 285; Lameere, 1884a: 85 (distr.); 1884b: 100 (distr.); Fleutiaux & Sallé, 1889: 461; Lameere, 1893: 273 (distr.); Horn, 1894: 337

(distr.); Gahan, 1895: 92; Pittier & Biolley, 1895: 27 (distr.); Wickham, 1898b: 41 (distr.); Aurivillius, 1900: 409 (distr.); Griffith, 1900: 569 (distr.); Townsend, 1903: 75 (distr.); Schaeffer, 1908: 327 (distr.); Gounelle, 1909: 599 (distr.); Blatchley, 1910: 1021 (distr.); Bruch, 1912: 185 (cat.); Dash, 1917: 56 (biol.); Garnett, 1918: 177 (distr.); Bodkin, 1919: 268 (distr.); Craighead, 1923: 138 (larva); Gowdey, 1926: 21 (distr.); Andrade, 1928: 4 (hosts); Lima, A.M., 1930: 31 (hosts); Williams, 1931: 224 (distr.); Linsley & Martin, 1933: 180 (distr.); Lima, A.M., 1936: 295 (hosts); Silva, A.G., 1936: 21 (hosts); Saalas, 1936: 59, pl. 50, fig. 50 (morphol.); Gunther, 1940: 465 (distr.); Linsley, 1942: 33 (distr.); Costa, R.G., 1943: 57, fig. 117 (hosts); Rosillo, 1944: 23 (distr., hosts); Fisher, 1944: 4 (distr.); Bosq, 1945: 46 (distr.); Ballou, 1945: 44, 116 (hosts); Bosq, 1947a: 12 (distr.); Prosen, 1947: 319 (distr.); Travassos & Freitas, 1948: 616 (distr.); Zischka, 1948: 7 (distr.); Vogt, 1949: 140 (distr., hosts); Bosq & Ruffinelli, 1951: 5 (distr.); Duffy, 1953: 161, fig. 125 (larva); Ruffinelli & Carbonell, 1953: 60 (hosts); Franz, 1954: 216 (distr.); Freude, 1954: 30 (distr.); Lima, A.M., 1955: 92, fig. 62 (biol.); Baucke, 1955: 51 (biol., distr.); Biezanko & Bosq, 1956: 5 (distr., hosts); Buck, 1957: 5, 6 (hosts); Berry, 1957: 15 (distr.); Zajciw, 1958a: 10 (distr.); Costa, R.G., 1958: 202, fig. 151 (hosts); Buck, 1959: 581 (distr.); Duffy, 1960: 88, fig. 48 (larva); Hayward, 1960: 7 (hosts); Zajciw & Ruffinelli, 1962: 24 (distr.); Baucke, 1962: 25 (hosts); Linsley, 1962a: 46; Gilmour, 1963: 77 (distr.); Zajciw, 1965: 5 (distr.); 1966: 3 (distr.); Santoro, 1966: 58 (distr.); Bertels & Baucke, 1966: 44 (hosts); Chemsak, 1966a: 211 (distr.); Silva, A. Gomes, 1967: 34 (distr.); Zajciw, 1967a: 4 (distr.); Ruffinelli, 1967: 41 (hosts); Piza, 1968: 23 (distr.); Gilmour, 1968: 104, pl. 15, fig. 1; Silva, A. G. *et al.*, 1968: 383 (hosts); Marinoni, 1969: 470 (hosts); Zajciw, 1972: 49 (distr.); Viana, 1972: 237 (distr.); Zajciw, 1974: 44 (distr.); Zayas, 1975: 55; Martins, 1976b: 77; Chemsak, Linsley & Mankins, 1980: 29 (distr.); Villiers, 1980a: 130 (distr.); 1980b: 271, figs 29-35; Pentead-Dias, 1984b: 425, 28 figs (larva, pupa); Hovore, Penrose & Neck, 1987: 295 (distr., hosts); Maes & Tellez Robleto, 1988: 36 (hosts); Chemsak, Linsley & Noguera, 1992: 29 (cat.), Costa, E. C. *et al.*, 1992b: 905, 906, 907 (hosts); Di Iorio, 1993: 69 (hosts); 1994a: 655 (hosts); 1994b: 17, 19, 20 (hosts); Maes *et al.*, 1994: 7 (distr., hosts); Monné, M.A., & Giesbert, 1994: 32 (checklist); Monné, M.A., 1993a: 35 (cat.); Noguera & Chemsak, 1996: 397 (cat.); Di Iorio, 1997a: 152, 153, 154 (hosts); 1997b: 161, 162, 163 (hosts); González & Di Iorio, 1997: 170, 171 (hosts); Tavakilian *et al.*, 1997: 332, 333 (hosts); Linsley & Chemsak, 1997: 337 (hosts); Di Iorio & Zelich, 1997: 276 (hosts); Dall'Oglio & Peres Filho, 1997: 51 (biol.); Berti Filho, 1997: 52 (hosts); Maes, 1998: 887 (distr.); Fiorentino *et al.*, 2000: 16 (hosts); Braet, Cerdá & Fretey, 2000: 7 (distr.); Joly, 2000: 153, figs 9-10, 16 (hosts); Canettieri & Garcia, 2000: 47; Martínez, 2000: 85 (distr.); Dorval & Peres Filho, 2001: 175 (distr.); Monné, M.A., 2001a: 9 (cat. hosts); Martins, 2002: 104, figs 95-154; Maia *et al.*, 2003: 406 (distr.); Di Iorio, Riquelme & Esteban-Durán, 2003: 18 (distr.); Vitali & Rezbanyai-Reser, 2003: 7, fig. 7 a-b; Turnbow, Cave & Thomas, 2003: 6 (distr.); Lingafelter & Micheli, 2004: 50 (distr.); Di Iorio, 2004b: 19 (distr.); Monné, M.A., 2005: 12 (cat.); Chalumeau & Touroult, 2005: 74, fig. 24; Peck, 2005: 167 (distr.); 2006a: 191 (distr.); Monné, M.A. & Hovore, 2006: 23 (checklist); Ray, Lacey & Hanks, 2006: 545, fig. 2e (pheromones); Hovore, 2006: 371 (distr.); Di Iorio, 2006b: 162 (distr., hosts); Wappes *et al.*, 2006: 6 (distr.); Monné, M.A. & Hovore, 2006: 25 (checklist); Peres Filho, Dorval & Noquelli, 2007: 47 (hosts); Dorval *et al.*, 2007: 258 (hosts); Dalens & Touroult, 2007: 291 (distr.); Touroult, 2007: 6 (distr., hosts); Lingafelter, 2007: 89, 143, 2 figs, pl. 21, fig. k (hosts); Perez-Gelabert, 2008: 117 (distr.); Paz *et al.*, 2008: 352 (distr.); Ivie *et al.*, 2008: 257 (distr.); Peck, 2009: 20 (distr.); Martins, Galileo & Limeira-de-Oliveira, 2009a: 233 (distr.); Monné, M.L., Monné, M.A. & Mermudes, 2009: 2 (distr.); Noguera *et al.*, 2009: 87 (distr.); Di Iorio & Farina, 2009: 80 (hosts); Monné, M.L. *et al.*, 2010: 238 (distr.); Cordeiro, Anjos & Carvalho, 2010: 22, fig. C (hosts); Swift *et al.*, 2010: 10 (distr.); Maes *et al.*, 2010: 20, 8 figs (distr.); Martins & Galileo, 2010: 437 (distr.); Micheli, 2010: 78, pl. 9; Audureau, 2010: 8 (distr.); Bernardi *et al.*, 2010: 583 (distr.); Peck, 2010: 51 (distr.); 2011a: 35 (distr., hosts); 2011b: 33 (distr., hosts); Morvan & Morati, 2011: 14 (distr.); Galileo, Martins & Moyses, 2011: 9, 38 (distr., hosts); Pacini, 2011: 16 (distr.); Monné, M.A. *et al.*, 2012: 8 (distr.); Menezes *et al.*, 2012: 50 (distr.); Machado *et al.*, 2012: 187 (hosts); Giuglaris, 2012: 61 (distr.); Barreto, Machiner & Smiderle, 2013: 332 (distr.); Wappes *et al.*,

2013: 4 (distr.); Peck, Thomas & Turnbow, 2014: 91 (distr.); Nascimento & Bravo, 2014: 131 (distr.); Lemes *et al.*, 2015: 61 (hosts); Gutiérrez & Noguera, 2015: 139 (distr.); García Morales *et al.*, 2015: 99 (distr.); Monné, M.A. & Chaboo, 2015: 42 (distr., hosts); Ferreira & Rocha, 2015 : 365 (distr.); Di Iorio & Turienzo, 2015 : 31 (distr.); Peck, 2016: 173 (distr., hosts); Nascimento, Bravo & Monné, M.A., 2016: 402, fig. 8 (distr.); Monné, M.A. *et al.*, 2016 : 7 (distr.); Noguera & Gutiérrez, 2016: 657 (distr.); Audureau & Roguet, 2018: 58 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 463

Achryson surinamense; Chevrolat, 1862a: 264; Leng, 1885b: pl. 2, fig. 24; Prudhomme, 1906: 33 (distr.) (error).

Achryson surinam; Leng, 1885a: 117 (error).

Cerambyx longicollis Degeer, 1775: 117, pl. 14, fig. 11.

Type locality - Holotype male: Surinam. (NHRS).

Leptura simplex Voet, 1778: 22, pl. 20, fig. 99. (*nomen nudum*).

Type locality - America. (Depository unknown).

Stenocorus circumflexus Fabricius, 1787: 144; Gmelin, 1790: 1860; Fabricius, 1793: 300; 1801: 310.

Cerambyx circumflexus; Olivier, 1795: (67) 173, pl. 23, fig. 183.

Achryson circumflexum; Audinet-Serville, 1834a: 573; Laporte, 1840: 453; Erichson, 1847: 142 (distr.); Erichson *in* Schomburgk, 1848: 573 (distr.); Guérin-Ménéville, 1855: 599 (distr.); Redtenbacher, 1868: 200 (distr.); Chenu, 1870: 307; Gowdey, 1926: 21 (distr.).

Syntypes locality - Syntypes male and female: Cayenne. (ZMUC).

Stenocorus pallens Fabricius, 1793: 297; 1801: 309; Schoenherr, 1817: 406.

Type locality - Holotype male: Americae meridionalis Insulae. (ZMUC).

Achryson surinamum var. *chontalense* Bates, 1872: 171.

Syntypes locality –Syntypes male and female: Nicaragua, Chontales. (MNHN).

Geropa Casey, 1912

Geropa Casey, 1912: 305; Linsley, 1962a: 47; Arnett, 1962: 862, 879; Napp & Martins, 1982a: 361; Monné, M.A., 1993a: 39 (cat.); Monné, M.A., 2005: 15 (cat.); Monné, M.A. & Hovore, 2006: 26 (checklist); Monné, M.A., 2012: 7.

Type-species - *Geropa aequicollis* Casey, 1912 (original designation).

1. Geropa concolor (LeConte, 1873)

Type locality - Holotype female: United States, Texas. (MCZN). **Distribution** - United States, southern Texas to southern Mexico (Chiapas, Tamaulipas, Veracruz, Oaxaca). **Host plants** - *Parkinsonia aculeata* Linnaeus (Caesalpiniaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *Leucaena pulverulenta* (Schlechtendal) Benth, *Mimosa lindheimeri* Gray, *Pithecellobium flexicaule* (Benth) Coulter, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Ulmus crassifolia* Nuttall (Ulmaceae).

Achryson concolor LeConte, 1873a: 176; 1873b: 300; LeConte & Horn, 1883: 285; Lameere, 1883: 14 (cat.); Leng, 1885a: 117; Schaeffer, 1908: 237 (distr.); Craighead, 1920: 8 (pred.); 1923: 139 (larva); Linsley & Martin, 1933: 180 (distr.); Vogt, 1949: 140 (distr., hosts).

Geropa concolor; Casey, 1918: 415 (syn.); Linsley, 1962a: 48, fig. 18; Napp & Martins, 1982a: 361, figs 3, 4, 22-27; Hovore, Penrose & Neck, 1987: 295; Chemsak, Linsley & Noguera, 1992: 30 (cat.); Monné, M.A., 1993a: 39 (cat.); Monné, M.A., & Giesbert, 1994: 33 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Monné, M.A., 2001a: 10 (cat. hosts); Monné, M.A., 2005: 15 (cat.); Monné, M.A. & Hovore, 2006: 26 (checklist); MacRae & Rice, 2007: 235 (hosts); Noguera *et al.*, 2012: 620 (distr.); Gutiérrez & Noguera, 2015: 139 (distr.); García Morales *et al.*, 2015: 99 (distr.); Noguera *et al.*, 2018: 460; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 464

Geropa aequicollis Casey, 1912: 306; Lingafelter *et al.*, 2014: 11, figs 9u, v (holotype).

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

AGALLISSINI LeConte, 1873

Agallissini LeConte, 1873b: 292, 321; LeConte & Horn, 1883: 306; Leng, 1884: 114; Aurivillius, 1912: 445 (cat.); Bradley, 1930: 229, 240; Arnett, 1962: 860, 888; Linsley, 1964: 193; Monné, M.A., 1994a: 41 (cat.); Monné, M.A., 2005: 17 (cat.); Bousquet *et al.*, 2009: 41; Bouchard *et al.*, 2011; Austin *et al.*, 2018: 444

Type-genus: *Agallissus* Dalman, 1823.

Type-species: *Agallissus melaniodes* Dalman, 1823 (monotypy).

***Agallissus* Dalman, 1823**

Agallissus Dalman, 1823: 66; Thomson, 1861: 209; Lacordaire, 1869: 133; LeConte, 1873a: 204; 1873b: 321; Bates, 1880: 67; LeConte & Horn, 1883: 307; Bradley, 1930: 240; Arnett, 1962: 869, 888; Linsley, 1964: 195; Monné, M.A., 1994a: 42 (cat.); Monné, M.A., 2005: 17 (cat.); Monné, M.A. & Hovore, 2006: 27 (checklist); Monné, M.A., 2012: 7.

Agallissus; Thomson, 1864: 205; 1865: 432 (error).

Type-species - *Agallissus melaniodes* Dalman, 1823 (monotypy).

Aplectrus Duponchel & Chevrolat in D'Orbigny, 1841: 12.

Type-species - *Aplectrus lepturoides* Duponchel & Chevrolat, 1841 (original designation).

Cryptopleura LeConte, 1850b: 6 (no species); Haldeman, 1853: 363.

Type-species - *Cryptopleura grata* Haldeman, 1853 (by subsequent monotypy Haldeman, 1853: 363).

1. *Agallissus lepturoides* (Duponchel & Chevrolat, 1841)

Type locality - Holotype: Mexico. (BMNH). **Distribution** - United States (Texas), Mexico (Oaxaca, Yucatán, Quintana Roo), Guatemala, Honduras. **Host plants** – *Sabal mexicana* Martius (Arecaceae).

Aplectrus lepturoides Duponchel & Chevrolat in D'Orbigny, 1841: 12.

Agallissus lepturoides; Aurivillius, 1912: 445 (cat.); Linsley, 1964: 195; Chemsak, Linsley & Mankins, 1980: 32 (distr.); Hovore, Penrose & Neck, 1987: 308 (distr.); Chemsak, Linsley & Noguera, 1992: 77 (cat.); Monné, M.A., & Giesbert, 1994: 131 (checklist); Monné, M.A., 1994a: 42 (cat.); Noguera & Chemsak, 1996: 402 (cat.); Turnbow, Cave & Thomas, 2003: 17 (distr.); Monné, M.A., 2005: 18 (cat.); Hovore, 2006: 374 (distr.); Monné, M.A. & Hovore, 2006: 27 (checklist); Lingafelter, 2007: 76, 143, 2 figs, pl. 18, fig. b (hosts); Gutiérrez & Noguera, 2015: 140 (distr.); Austin *et al.*, 2018: 444, figs 1-2; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 464

Agallissus clytoides Lacordaire, 1869: 134; Lameere, 1883: 39; Bates, 1885: 314 (syn., distr.).

Syntypes locality - Syntypes: Amérique Centrale (?).

Cryptopleura grata Haldeman, 1853: 363.

Agallissus gratus; LeConte, 1873a: 204; 1873b: 321; Bates, 1880: 68; LeConte & Horn, 1883: 306; Leng, 1890: 9; Hamilton in Leng & Hamilton, 1896: 173.

Type locality – Holotype: Mexico, Tamaulipas: Tampico. (MCZN).

***Osmopleura* Linsley, 1964**

Osmopleura Linsley, 1964: 194; Monné, M.A., 1994a: 41 (cat.); Monné, M.A. & Hovore, 2006: 27 (checklist);

Type-species - *Agallissus chamaeropsis* Horn, 1893 (original designation).

1. *Osmopleura chamaeropsis* (Horn, 1893)

Syntypes locality - Syntypes male and female: United States, Florida: Biscayne. (ANSP).

Distribution - United States (Florida, Georgia, Alabama). **Host plants** - *Chamaerops* sp., *Sabal palmetto* (Walter) Schultes & Schultes (Arecaceae).

Agallissus chamaeropsis Horn, 1893: 138 (host); Hamilton, 1896: 173; Blatchley, 1928: 70 (distr.); Fattig, 1947: 28 (distr.); Lepesme, 1947: 522 (host).

Osmopleura chamaeropsis; Linsley, 1964: 194; Turnbow & Hovore, 1979: 223 (host); Turnbow & Franklin, 1980: 343 (distr.); Chemsak, Linsley & Noguera, 1992: 77; Monné, M.A., 1994a: 41 (cat.); Monné, M.A., & Giesbert, 1994: 131 (checklist); Browne & Peck, 1996: 2159

(distr.); Linsley & Chemsak, 1997: 414 (host); Peck & Thomas, 1998: 120 (distr.); Monné, M.A. & Hovore, 2006: 27 (checklist); Lingafelter, 2007: 75, 148, 2 figs, pl. 18a (hosts); Austin *et al.*, 2018: 444, figs 3, 4.

Zagymnus LeConte, 1873

Zagymnus LeConte, 1873a: 204; LeConte & Horn, 1883: 306; Horn, 1893: 138; Bradley, 1930: 240; Arnett, 1962: 869, 888; Linsley, 1964: 193; Chemsak & Linsley, 1968: 37; Zayas, 1975: 163; Monné, M.A., 1994a : 41 (cat.) ; Monné, M.A., 2005: 18 (cat.); Monné, M.A. & Hovore, 2006: 27 (checklist); Monné, M.A., 2012: 7.

Type-species - *Agallissus clerinus* LeConte, 1873 (monotypy).

1. *Zagymnus clerinus* (LeConte, 1873)

Type locality - Holotype: United States, Florida. (MCZN). **Distribution** - United States (Georgia, Florida), Cuba. **Host plants** - *Chamaerops* sp, *Sabal mexicana* Martius, *S. palmetto* (Walter) Schultes & Schultes (Arecaceae).

Agallissus clerinus LeConte, 1873b: 321.

Zagymnus clerinus; LeConte, 1873a: 203; Riley, 1880: 239 (hosts); Lameere, 1883: 43 (cat.); LeConte & Horn, 1883: 306; Leng, 1890: 9; Beutenmuller, 1896: 77 (hosts); Blatchley, 1917: 272 (distr.); 1928: 70 (distr.); Fattig, 1947: 28 (distr.); Lepesme, 1947: 522 (hosts); Linsley, 1964: 194; Chemsak & Linsley, 1968: 39; Zayas, 1975: 164, pl. 22, fig. c; Turnbow & Hovore, 1979: 223 (biol.); Turnbow & Franklin, 1980: 343 (distr.); Chemsak, Linsley & Noguera, 1992: 77 (cat.); Monné, M.A., & Giesbert, 1994: 131 (checklist); Monné, M.A., 1994a: 41 (cat.); Browne & Peck, 1996: 2159; Linsley & Chemsak, 1997: 454 (hosts); Peck & Thomas, 1998: 120 (distr.); Monné, M.A., 2001a: 11 (cat. hosts); Monné, M.A., 2005: 18 (cat.); Peck, 2005: 174 (distr.); Monné, M.A. & Hovore, 2006: 27 (checklist); Lingafelter, 2007: 108, 158, 2 figs, pl. 18c (hosts); Devesa, Fonseca & Barro, 2015: 33, 334, figs 1-5; Haack, 2017: 111; Austin *et al.*, 2018: 446, figs 5-9, 11; Cleger & Hemmill, 2018: 3 (distr., hosts)

Agallissus floridanus Casey, 1912: 376; Lingafelter *et al.*, 2014: 64, figs 69i, j (holotype).

Type locality - United States, Florida: Palm Beach. (USNM).

ANAGLYPTINI Lacordaire, 1868

Anaglyptides Lacordaire, 1868: 404. [*nomen protectum*].

Anaglypti; LeConte, 1873b: 319; LeConte & Horn, 1883: 305; Leng, 1887: 194; Craighead, 1923: 60; Hopping, 1932: 531.

Anaglyptini; Knull, 1946: 187; Arnett, 1962: 861, 887; Linsley, 1964: 173; Monné, M. A., 1993i: 61 (cat.); Monné, M.A., 2005: 19 (cat.); Bousquet *et al.*, 2009: 41 (*nomen protectum*); Bouchard *et al.*, 2011: 466.

Anaglyptisidae Gistel, 1848b: 391 [Coleoptera, Buprestidae, *nomen oblitum*].

Type-genus: *Anaglyptus* Mulsant, 1839.

Type-species: *Leptura mystica* Linnaeus, 1758 designated by Desmarest (1860: 318).

Cyrtophorus LeConte, 1850

Cyrtophorus LeConte, 1850b: 29; Thomson, 1864: 194, 427; Lacordaire, 1869: 86; LeConte, 1873b: 320; Provancher, 1877: 579; LeConte & Horn, 1883: 305; Leng, 1887: 195; Wickham, 1897a: 87; Schaeffer, 1904: 223; Blatchley, 1910: 1040; Bradley, 1930: 239; Linsley, 1935a: 87; Chagnon, 1938: 256; Knull, 1946: 225; Dillon & Dillon, 1961: 604; Arnett, 1962: 868; Chagnon & Robert, 1962: 256; Linsley, 1964: 175; Monné, M.A., 1993i: 64 (cat.); Monné, M.A. & Hovore, 2006: 28 (checklist);

Type-species - *Callidium verrucosum* Olivier, 1795 (Thomson designation 1864: 194).

1. *Cyrtophorus verrucosus* (Olivier, 1795)

Type locality - Holotype: United States, environs de New York. (MNHN). **Distribution** - Southern Canada and eastern United States to Florida and Kansas. **Host plants** - *Acer* sp.

(Aceraceae), *Betula lenta* Linnaeus, *Ostrya virginiana* (Miller) K. Koch (Betulaceae), *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Cornus florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae), *Diospyros virginiana* Linnaeus (Ebenaceae); *Robinia* sp. (Fabaceae), *Castanea* sp., *Fagus ferruginea* Aiton, *F. sylvatica* Linnaeus, *Quercus alba* Linnaeus, *Q. imbricaria* Michaux, *Q. montana*, *Q. palustris* Du Roi, *Q. velutina* Lamarck (Fagaceae), *Carya alba* Koch, *C. glabra* (Miller) Sweet, *Juglans nigra* Linnaeus (Juglandaceae), *Lindera benzoin* (Linnaeus) Blume (Lauraceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Tilia europaea* Linnaeus (Malvaceae), *Pinus contorta* Douglas ex Loudon (Pinaceae), *Crataegus* sp., *Cydonia* sp., *Prunus americana* Marshall, *P. pensylvanica* Linnaeus filis, *P. virginiana* Linnaeus, *Pyrus malus* Linnaeus (Rosaceae), *Styrax benzoin* Dryander (Styracaceae), *Vitis* sp. (Vitaceae).

Callidium verrucosum Olivier, 1795: 67, pl. 8, fig. 98.

Clytus verrucosus; Schoenherr, 1817: 467; Audinet-Serville, 1834b: 88; Laporte & Gory, 1836: 106, pl. 20, fig. 126; Haldeman, 1847a: 41.

Cyrtophorus verrucosus; LeConte, 1850b: 29; White, 1855: 287; Bland, 1861: 96 (host); Thomson, 1864: 194; Pettit, 1871: 106 (distr.); LeConte, 1873b: 320; Provancher, 1877: 603; Riley, 1880: 239 (host); LeConte & Horn, 1883: 305; Lugger, 1884: 204 (hosts); Jack, 1886: 23 (hosts); Horn, 1886a: 139; Leng, 1887: 23; Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 77 (hosts); Harrington, 1897: 73 (hosts); Wickham, 1897a: 157 (hosts); Klages. 1898: 176 (hosts); Smith, 1900: 290 (distr.); Knaus, 1901: 112 (distr.); Dury, 1902: 160 (distr.); Ulke, 1903: 26, 50 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 329; Leng, 1910: 77 (distr.); Blatchley, 1910: 1040 (distr.); Fisher & Kirk, 1912: 312 (distr.); Lovell, 1915: 114 (biol.); Johnson, 1916: 119 (distr.); Chagnon, 1917: 233 (distr.); Leng, 1920: 278; Britton, 1920: 270 (distr.); Nicolay, 1919: 78 (distr.); Craighead, 1923: 60, pl. 9, fig. 2 ; pl. 10, fig. 4 ; pl. 19, fig. 6 (larva); Blackman & Stage, 1924: 262 (biol.); Hatch, 1925: 580 (distr.); Champlain, Kirk & Knull, 1925: 139 (hosts); Kirk & Knull, 1926: 41 (distr.); Knull, 1928b: 316 (hosts); Leonard, 1928: 448 (distr.); Ware, 1929: 368 (hosts); Frost & Dietrich, 1929: 436 (distr.); Beaulne, 1932: 202 (hosts); Barrett, 1932: 289 (hosts); Loding, 1933: 148 (distr.); Knull, 1934b: 210 (hosts); Brimley, 1938: 216 (distr.); Loding, 1945: 120 (distr.); Knull, 1946: 225, pl. 17, fig. 68; Duffy, 1953: 237 (hosts); Alexander, 1958: 45 (distr.); Dillon & Dillon, 1961: 604, pl. 40, No. 3; Chagnon & Robert, 1962: 266; Chemsak, Linsley & Noguera, 1992: 74 (cat.); Monné, M.A., 1993i: 64 (cat.); Linsley, 1964: 176, fig. 55; Gosling, 1973: 83; Kirk & Balsbaugh, 1975: 99 (distr.); Stein & Tagestad, 1976: 10 (distr.); Miliczky & Osgood, 1979: 133 (biol.); Turnbow & Franklin, 1980: 343 (distr.); Cote & Allen, 1980: 412 (biol.); Haack, Benjamin & Haack, 1983: 49 (hosts); Gosling, 1984: 71 (hosts); 1984: 80 (biol.); Waters & Hyche, 1984: 286 (distr.); Arnett, 1985: 366; Gosling, 1986: 155 (hosts); Chemsak, Linsley & Noguera, 1992: 74 (cat.); MacRae, 1993: 236 (distr., hosts); Lingafelter & Horner, 1993: 176 (distr.); Monné, M.A., 1993a: 64; Monné, M.A., & Giesbert, 1994: 119 (checklist); Yanega, 1996: 124, pl. 17, fig. 204; Krinsky & Godwin, 1996: 238 (hosts); Linsley & Chemsak, 1997: 362 (hosts); Peck & Thomas, 1998: 120 (distr.); Schiefer, 1998: 119 (distr.); Landry, 2001: 26 (distr.); Vlasák & Vlasakova, 2002: 212 (distr., hosts); Monné, M.A. & Hovore, 2006: 28 (checklist); MacRae & Rice, 2007: 231 (distr., hosts); Lingafelter, 2007: 44, 145, 2 figs, pl. 2, fig. D (hosts); Guarnieri, 2009: 16 (distr.); Webster, McCorquodale & Majka, 2009: 298 (biol.); McCorquodale, 2010: 469 (distr.); Holt, 2013: 246 (distr., biol.); Steury & MacRae, 2014: 10 (distr.); Webster, 2016: 487; Klingeman *et al.*, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 73, pl. 12

Cystophorus verrucosus; Packard, 1890: 521 (biol., error).

Cryptophorus verucosus; Perry, 1975: 59 (hosts, error).

***Microclytus* LeConte, 1873**

Microclytus LeConte, 1873b: 320; LeConte & Horn, 1883: 305; Leng, 1887: 195; Wickham , 1897a: 87; Schaeffer, 1904: 223; Casey, 1912: 375; Leng, 1918a: 8; Bradley, 1930: 239; Knull, 1946: 224; Arnett, 1962: 868, 887; Linsley, 1964: 177; Monné, M.A., 1993i: 64 (cat.);

Monné, M.A. & Hovore, 2006: 28 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 73 (key spp.)

Type-species - *Clytus gazellula* Haldeman, 1847 (original designation).

1. *Microclytus gazellula* (Haldeman, 1847)

Syntypes locality - Syntypes: United States, Pennsylvania. (MCZN). **Distribution** - Southern Canada and eastern United States to region of Great Lakes. **Host plants** -

Quercus sp. (Fagaceae), *Carya glabra* (Miller) Sweet (Juglandaceae).

Clytus gazellula Haldeman, 1847c: 372; LeConte, 1850b: 29.

Euderces gazellula; Lacordaire, 1869: 89.

Tillomorpha gazellula; Gemminger & Harold, 1872: 2942 (cat.).

Microclytus gazellula; LeConte, 1873b: 320; Reinecke, 1883: 36 (biol.); LeConte & Horn, 1883: 305; ; Harrington, 1884: 73 (distr.); Leng, 1887: 23; Kilman, 1889: 136 (distr.); Packard, 1890: 81; Hamilton. 1895: 338 (distr.); Beutenmuller, 1896: 77 (hosts); Wickham, 1897a: 153; Slosson, 1898: 253 (distr.); Knaus, 1898: 20 (distr.); Smith, 1900: 290; Ulke, 1909: 26 (distr.); Felt, 1906: 702 (biol.); Morris, 1909: 412 (biol.); Wickham, 1909a: 28 (distr.); Smith, 1910: 329; Blatchley, 1910: 1040; Lovell, 1915: 114 (biol.); Chagnon, 1917: 232 (distr.); Leng, 1918a: 9; 1920: 278 (cat.); Craighead, 1923: 60, pl. 19. fig. 4 (larva); Kirk & Knoll, 1926: 40 (distr.); Leonard, 1928: 448 (distr., hosts); Knoll, 1934b: 210 (hosts); 1946: 224, pl. 16, fig. 63; Procter, 1946: 182 (distr.); Linsley, 1964: 177, fig. 56; Gosling, 1973: 83 (biol., (distr.); Chemsak, Linsley & Noguera, 1992: 74 (cat.); Monné, M.A., 1993i: 65 (cat.); Monné, M.A., & Giesbert, 1994: 119 (checklist); Yanega, 1996: 124, pl. 17, fig. 205; Linsley & Chemsak, 1997: 397; Monné, M.A. & Hovore, 2006: 28 (checklist); Lingafelter, 2007: 88, 147, pl. 21, fig. g.; Haack, 2017: 115; Bousquet, Laplante, Hammond & Langor, 2017: 74

Oligoenoplus Chevrolat, 1863

Oligoenoplus Chevrolat, 1863: 337; Thomson, 1864: 195; Gahan, 1906: 301; Hayashi, 1979: 79.

Type-species - *Oligoenoplus ventralis* Chevrolat, 1863 (monotypy).

Borneoclytus Dauber, 2006: 443.

Type-species - *Borneoclytus borneanus* Dauber, 2006 (original designation).

1. *Oligoenoplus compressicollis* (Laporte & Gory, 1836)

Type locality - Holotype: Amérique septentrionale. (MVMA). **Distribution** - Eastern Canada and northeastern United States. **Host plants** - *Quercus alba* Linnaeus (Fagaceae).

Clytus compressicollis Laporte & Gory, 1836: 106, pl. 20, fig. 125; White, 1855: 287; LeConte, 1873b: 336.

Anaglyptus compressicollis; Aurivillius, 1912: 415 (cat.).

Microclytus compressicollis; Leng, 1918a: 9; Linsley, 1964: 179; Gosling, 1973: 83, fig. 59 (distr.); 1986: 156 (biol.); Chemsak, Linsley & Noguera, 1992: 74 (cat.); Monné, M.A., 1993i: 64 (cat.); Monné, M.A., & Giesbert, 1994: 119 (checklist); Yanega, 1996: 124, pl. 17, fig. 206; Monné, M.A. & Hovore, 2006: 28 (checklist); Webster, McCorquodale & Majka, 2009: 299 (distr.); McCorquodale, 2010: 469 (distr.); Webster, 2016: 487; Klingeman *et al.*, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 74, pl. 12

Anaglyptus compressicornis; Leng, 1918b: 207 (error).

Oligoenoplus compressicollis; Ikeda, 1987: 13, fig. 2.

Clytus gibbulus LeConte, 1850a: 234.

Cyrtophorus gibbulus; Lacordaire, 1869: 87; Lugger, 1884: 204 (hosts); Klages, 1901: 273, 290 (distr.).

Microclytus gibbulus; Leng, 1918a: 9; Leonard, 1928: 448 (distr.).

Type locality - Holotype: United States, Lake Superior, Eagle Harbor. (MCZN).

Cyrtophorus niger LeConte, 1850b: 9; Lacordaire, 1869: 87.

Clytus niger; White, 1855: 29.

Type locality - Holotype: United States, Lake Superior, Eagle Harbor. (MCZN).

Microclytus gazellula; Horn, 1884: 148; Leng, 1887: 23; Hamilton, 1891b: 61 (biol.); 1896: 172; Beaulne, 1932: 202 (hosts) (not Haldeman, 1847).

Cyrtophorus insinuans Casey, 1893: 591; Wickham, 1897a: 153; Lingafelter *et al.*, 2014: 80, figs 87u, v (holotype).

Microclytus insinuans; Casey, 1912: 375; Leng, 1918a: 9.

Type locality - Holotype: Canada, Ontario. (USNM).

Microclytus frosti Casey, 1912: 375; Lovell, 1915: 114 (biol.); Lingafelter *et al.*, 2014: 66, figs 71g, h (holotype).

Microclytus gibbulus var. *frosti*; Leng, 1918a: 10.

Microclytus gibbulus frosti; Leng, 1920: 278.

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

BOTHRIOSPIILINI Lane, 1950

Bothriospilinae Lane, 1950: 370.

Bothriospilina; Fragoso, Monné, M.A. & Seabra, 1987: 198; Monné, M.A., 2005: 565 (cat.).

Bothriospilini; Monné, M.L. & Napp, 2005b: 51 (cladistics); Monné, M.A., 2006: 159 (cat.); Bousquet *et al.*, 2009: 42; Bouchard *et al.*, 2011: 467.

Type-genus: *Bothriospila* Aurivillius, 1923.

Type-species: *Bothriospila elegans* Aurivillius, 1923 (monotypy).

Chlorida Audinet-Serville, 1834

Chlorida Audinet-Serville, 1834b: 31; Laporte, 1840: 422; Blanchard, 1845: 168; Strauch, 1861: 127; Thomson, 1861: 232; 1864: 243; 1865: 451; Lacordaire, 1868: 289; Chenu, 1870: 312; Bates, 1870: 262; 1880: 18; Linsley, 1962a: 81; Arnett, 1962: 863, 880; Chemsak & Linsley, 1963a: 214; 1974a: 181; Villiers, 1980b: 274; Fragoso, Monné, M.A. & Seabra, 1987: 198; Monné, M.A., 2005: 565 (cat.); Monné, M.L. & Napp, 2005b: 51; Monné, M.A. & Hovore, 2006: 28 (checklist); Monné, M.A., 2012: 8.

Type-species - *Chlorida costata* Audinet-Serville, 1834 (by subsequent designation Duponchel *in d'Orbigny*, 1843: 606).

Tetracanthus Hope, 1834: 107.

Type-species - *Cerambyx festivus* Linnaeus, 1758 (original designation).

Musimon Gistel 1848b: xi (unjustified new name not in prevailing usage).

1. *Chlorida festiva* (Linnaeus, 1758)

Type locality - Holotype: America (Surinam). (NHRS). **Distribution** - United States (Florida) to South Brazil and Argentina, West Indies (Antigua, Barbados, Dominica, Grenada, Guadeloupe, Hispaniola, Marie Galante, Martinique, Montserrat, St. Croix, St. Lucia, St. Vincent, Cayman Islands, St. Kitts), Cuba. **Host plants** - *Astronium* sp., *Mangifera indica* Linnaeus, *Myracrodruon balansae* (Engle) Santin, *Schinopsis balansae* Engler (Anacardiaceae), *Haematoxylum campechianum* Linnaeus, *Heterostemon* sp., *Hymenaea courbaril* Linnaeus, *Stahlia monosperma* (Tulasne) Urban (Caesalpinaceae), *Casuarina equisetifolia* Linnaeus (Casuarinaceae), *Alchornea* sp., *Hevea guianensis* Aublet (Euphorbiaceae), *Andira* sp., *Brya* sp., *Clathrotropis* sp., *Diploptropis purpurea* (Richards) Amshoff, *Hymenolobium excelsum* Benth, *Ormosia nobilis* Tulasne (Fabaceae), *Theobroma* sp. (Malvaceae), *Swietenia* sp. (Meliaceae), *Acacia decurrens* Willdenow, *Acacia mangium* Willdenow, *Albizia lebbek* (Linnaeus) Benth, *Enterolobium contortisiliquum* (Velloso) Morong, *E. mongollo* Martius, *Inga ingoides* Willdenow (Mimosaceae), *Artocarpus integrifolia* Linnaeus, *Ficus insipida* Willdenow (Moraceae), *Psidium guajava* Linnaeus (Myrtaceae), *Triplaris* sp. (Polygonaceae), *Coffea arabica* Linnaeus (Rubiaceae), *Citrus sinensis* (Linnaeus) Osbeck (Rutaceae), *Solanum* sp. (Solanaceae).

Cerambyx festivus Linnaeus, 1758: 389; 1767: 623; Drury, 1773: 84, pl. 37, fig. 5; Gmelin, 1790: 1859.

Stenocorus festivus; Fabricius, 1775: 179; 1781: 226; 1787: 143; 1793: 293; 1801: 305.

Stenochorus festivus; Schoenherr, 1817: 402.

Chlorida festiva; Audinet-Serville, 1834b: 32; Laporte, 1840: 422; Blanchard, 1845: 168; Erichson, 1847: 140; Erichson *in* Schomburgk, 1849: 572 (distr.); Gosse, 1848: 351 (distr.); White, 1853: 87; Guérin-Méneville, 1855: 599 (distr.); Jacquelin DuVal *in* Sagra, 1857: 261; Chevrolat, 1862b: 267; Rojas, 1866: 240; Redtenbacher, 1868: 200 (distr.); Desmarest *in* Chenu, 1870: 312; Bates, 1870: 262; 1872: 174 (distr.); Waterhouse, 1878: 303 (distr.); Bates, 1880: 18 (distr.); Lameere, 1884a: 85 (distr.); 1884b: 100 (distr.); Jacoby, 1887: 490 (distr.); Kirsch, 1889: 50 (distr.); Pelseneer, 1890: clxxvi (distr.); Gundlach, 1894: 329 (distr.); Gahan, 1895: 92; Pittier & Biolley, 1895: 27 (distr.); Schulz, 1901: 333 (distr.); Aurivillius, 1904: 207 (distr.); 1908: 2 (distr.); Gounelle, 1909: 617 (distr.); Bruch, 1912: 188 (cat.); Leng & Mutchler, 1914: 445 (distr.); Dash, 1917: 56 (biol.); Schwarz *in* Holland, 1917: 342 (distr.); Bruch, 1918a: 5 (distr.); Aurivillius, 1919: 3 (distr.); Bodkin, 1919: 267 (distr.); Wolcott, 1924: 109; Aurivillius, 1926: 2 (distr.); Andrade, 1928: 450 (biol.); Lima, A.M., 1930: 31 (hosts); Russo, 1930: 142 (distr.); Williams, 1931: 224; Travassos, 1932: 2, fig. 11 (biol.); Wolcott, 1936: 259 (distr.); Lima, A.M., 1936: 297 (hosts); Silva, A.G., 1936: 21 (hosts); Saalas, 1936: 64 (morph.); Caldeira & Vieira, 1938: 11 (hosts); Edwards, 1938: 55 (biol.); Carvalho, M.B. & Carvalho, R.F., 1939: 50 (distr.); Martorell & Salas, 1939: 243 (distr.); Gunther, 1940: 465 (distr.); Wolcott, 1941: 98 (hosts); Soukup, 1942: 42 (distr.); Beatty, 1944: 141 (distr.); Bruner, Scaramuzza & Otero, 1945: 48 (hosts); Bosq, 1945: 46 (distr.); Martorell, 1945: 87, 127, 242, 312, 437, pl. 5 (hosts); Bosq, 1947a: 15 (distr.); Wolcott, 1948: 334, 1 fig (hosts); Travassos & Freitas, 1948: 616 (distr.); Zischka, 1948: 6 (distr.); Biezanko, Bertholdi & Baucke, 1949: 189 (hosts); Bosq & Ruffinelli, 1951: 7 (distr.); Tucker, 1952: 345 (distr.); Freude, 1954: 31 (distr.); Baucke, 1955: 54, pl. 1, fig. B; Lima, A.M., 1955: 102, fig. 70 (biol.); Biezanko & Bosq, 1956: 6 (distr., hosts); Gregoire, 1957: 21 (physiol.); Zajciw, 1958: 11 (distr.); Berry, 1959: 18 (distr.); Buck, 1959: 583 (distr.); Duffy, 1960: 113, fig. 64 (larva, pupa); Zajciw, 1961: 528 (distr.); Linsley, 1962a: 82; Zajciw & Ruffinelli, 1962: 29 (distr.); Gilmour, 1963: 77 (distr.); Sefer, 1962: 25 (hosts); Zajciw, 1965: 6 (distr.); 1966: 4 (distr.); 1967c: 5 (distr.); Ruffinelli, 1967: 42 (hosts); Piza, 1968: 22 (distr.); Silva, A. G. *et al.*, 1968: 385 (hosts); Leck, 1970: 190, 1 fig. (biol.); Arruda & Arruda, 1971: 22 (hosts); Viana, 1972: 247; Zajciw, 1972: 50 (distr.); 1974a: 46 (distr.); Marinoni, 1979: 215 (hosts); Villiers, 1980a: 130 (distr.); 1980b: 274, fig. 38; Chemsak, Linsley & Mankins, 1980: 33 (distr.); Penteado Dias, 1984a: 227, fig. 21 (morphol.); Chemsak, Linsley & Noguera, 1992: 31 (cat.); Maes *et al.*, 1994: 9 (distr.); Monné, M.A., 1994b: 15 (cat.); Monné, M.A., & Giesbert, 1994: 136 (checklist); Iturre, Darchuck & Diodato, 1995: 59 (hosts); Tavakilian *in* Hequet, 1996: pl. 11, fig. 1; González & Di Iorio, 1997: 169 (hosts); Tavakilian *et al.*, 1997: 331, 332, 334, 335, 338, 341 (hosts); Dall'Oglio & Peres Filho, 1997: 51 (biol.); Peck & Thomas, 1998: 117 (distr.); Maes, 1998: 887, 888 (distr.); Braet, Cerdá & Fretey, 2000: 7 (distr.); Martínez, 2000: 91 (distr.); Canettieri & Garcia, 2000: 47; Dorval & Peres Filho, 2001: 175 (distr.); Monné, M.A., 2001b: 55 (cat. hosts); Turnbow, Cave & Thomas, 2003: 17 (distr.); Lozada Piña, Fernández García & Trujillo Anaya, 2004: 105 (distr.); Lingafelter & Micheli, 2004: 50 (distr.); Di Iorio, 2004b: 41 (distr.); Monné, M.A., 2005: 566 (cat.); Chalumeau & Touroult, 2005: 130, fig. 63; Peck, 2005: 174 (distr.); 2006: 193 (distr.); Morvan & Morati, 2006: 8 (distr.); Hovore, 2006: 374 (distr.); Wappes *et al.*, 2006: 21 (distr.); Ray, Lacey & Hanks, 2006: 546, fig. 3 (pheromones); Aragón, 2006: 54 (distr.); Monné, M.A. & Hovore, 2006: 29 (checklist); Lingafelter, 2007: 69, 245, 2 figs, pl. 16, fig. h (hosts); Fernández García & Favila, 2007: 26 (distr.); Touroult, 2007: 7 (distr.); Peres Filho, Dorval & Noquelli, 2007: 47 (hosts); Dorval *et al.*, 2007: 258 (hosts); Ivie *et al.*, 2008: 257 (distr.); Perez-Gelabert, 2008: 119 (distr.); Audureau, 2008: 4 (distr.); Paz *et al.*, 2008: 352 (distr.); Hubweber, 2008: 254 (distr.); Fernández García, Favila Castillo & López Iborra 2009: 322 (distr.); Martins, Galileo & Limeira-de-Oliveira, 2009a: 233 (distr.); Monné, M.L., Monné, M.A. & Mermudes, 2009: 2 (distr.); Monné, M.L. *et al.*, 2010: 238 (distr.); Swift *et al.*, 2010: 10 (distr.); Maes *et al.*, 2010: 31, 5 figs (distr.); Peck, 2009: 22 (distr.); 2010: 52 (distr.); 2011a: 37 (distr.); 2011b: 35 (distr.); Micheli, 2010: 84, pl. 12; Touroult *et al.*, 2010: 28; Bernardi *et al.*, 2010: 583 (distr.); Morvan & Morati, 2011: 14 (distr.); Monné, M.A. *et al.*, 2012: 8 (distr.); Menezes *et al.*, 2012: 50 (distr.); Souza & Silva, 2012: 238 (distr.); Giuglaris, 2012: 61 (distr.); Thomas, Turnbow & Steiner, 2013: 17 (distr.); Barreto, Machiner &

Smiderle, 2013: 333 (distr.); Perger & Guerra, 2013: 214 (distr.); Peck, Thomas & Turnbow, 2014: 95 (distr.); Nascimento & Bravo, 2014: 131 (distr.); Santos *et al.*, 2014: 525 (biol.); Lagos & Barrios, 2014: 13 (distr.); Lemes *et al.*, 2015: 61 (hosts); Monné, M.A. & Chaboo, 2015: 42 (distr., hosts); Santos-Silva, 2015b: 399; Chamé-Vázquez & Sánchez-Hernández, 2015: 507, fig. 1d; Ferreira & Rocha, 2015: 365 (distr.); Lanuza-Garay & Barrios, 2015: 65 (hosts); Devesa, Fonseca & Barro, 2015: 33, 336, figs 1-9; cimento & Santos-Silva, 2016: 330 (distr.); Peck, 2016: 178, pl. 42 (distr.); Nascimento, Botero & Bravo, 2016: 556, (distr.); Nascimento, Bravo & Monné, M.A., 2016: 402, fig. 11 (distr.); Monné, M.A. *et al.*, 2016: 8 (distr.); Silva *et al.*, 2016: 1082 (pherom.); Nascimento *et al.*, 2017: 351, fig. 11 (distr.); Monné, M.L. & Monné, M.A., 2017: 205 (distr.); Lingafelter, Wappes & Ledezma Arias, 2017: 15, 1 fig.; Lanuza-Garay & Santos Murgas, 2018: 3 (distr.); Lanuza-Garay & Barrios, 2018: 593 (hosts).

Stenochorus (Chlorida) festivus; Drury & Westwood, 1837: 80, pl. 37, fig. 5.

Cerambyx spinosus Degeer, 1775: 100, pl. 13, fig. 14.

Type locality - Holotype: Surinam. (NHRS).

Cerambyx sulcatus Sulzer, 1776: 45, pl. 5, fig. 6; Olivier, 1790: 304; 1795: (67) 28, pl. 16, fig. 113.

Type locality - Surinam. (Depository unknown).

Cerambyx africanus Voet, 1778: 17, pl. 16, fig. 66. (*nomen nudum*).

Type locality - Africa. (Depository unknown)

***Chrotoma* Casey, 1891**

Chrotoma Casey, 1891: 27; Bradley, 1930: 232; Linsley, 1962a: 82; Arnett, 1962: 863, 880; Chemsak & Linsley, 1974a: 181; Fragoso, Monné, M.A. & Seabra, 1987: 198; Monné, M.A., 2005: 555 (cat.); Monné, M.A. & Hovore, 2006: 29 (checklist); Monné, M.A., 2012: 8.

Type-species - *Chrotoma dunniana* Casey, 1891 (monotypy).

1. *Chrotoma dunniana* Casey, 1891

Type locality - Holotype female: United States, Texas: El Paso. (USNM). **Distribution** - United States (Western Texas to southern California), Mexico (Baja California Norte). **Host plants** - *Condalia globosa* I.M. Johnston (Rhamnaceae), *Lycium* sp. (Solanaceae).

Chrotoma dunniana Casey, 1891: 27; Hamilton, in Leng & Hamilton, 1896: 166; Linsley, 1962a: 83, fig. 27; Hovore & Giesbert, 1976: 354 (hosts); Hovore, Penrose & Giesbert, 1978: 99 (hosts); Hovore, 1988: 4 (distr.); Chemsak, Linsley & Noguera, 1992: 30 (cat.); Monné, M.A., 1993b: 10 (cat.); Monné, M.A., & Giesbert, 1994: 134 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 355 (hosts); Monné, M.A., 2001b: 55 (cat. hosts); Monné, M.A., 2005: 555 (cat.); Monné, M.A. & Hovore, 2006: 29 (checklist); Lingafelter *et al.*, 2014: 56, figs 59i, j (holotype);); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 464 ;

***Gnaphalodes* Thomson, 1861**

Gnaphalodes Thomson, 1861: 235; 1864: 252; 1865: 455; Lacordaire, 1868: 278; LeConte, 1873a: 203; Bates, 1880: 17; Leng, 1885b: 28; Bradley, 1930: 232; Linsley, 1962a: 97; Arnett, 1962: 863, 881; Fragoso, Monné, M.A. & Seabra, 1987: 199; Monné, M.A., 2005: 569 (cat.); Monné, M. L. & Napp. 2005b: 51; Monné, M.A. & Hovore, 2006: 30 (checklist); Monné, M.A., 2012: 8.

Type-species - *Gnaphalodes trachyderoides* Thomson, 1860 (monotypy).

1. *Gnaphalodes trachyderoides* Thomson, 1861

Syntypes locality - Syntypes: Mexico. (MNHN). **Distribution** - United States (Texas), Mexico (Nayarit, Quintana Roo, San Luis Potosí, Sinaloa, Durango, Tamaulipas, Veracruz, Yucatán, Baja California, Jalisco, Oaxaca), Guatemala (Petén), Belize, Honduras, Nicaragua (Chontales), Costa Rica, Panama. **Host plants** - *Parkinsonia aculeata* Linnaeus

(Caesalpiniaceae), *Celtis laevigata* Willdenow, *C. pallida* Torrey (Cannabaceae), *Lonchocarpus* sp., *Phaseolus* sp. (Fabaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *Leucaena pulverulenta* (Schlechtendal) Benth., *Pithecellobium flexicaule* (Benth.) Coulter, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Citrus paradisi* Macfayden (Rutaceae), *Ulmus crassifolia* Nuttall (Ulmaceae).

Gnaphalodes trachyderoides Thomson, 1861: 236; 1864: 252; Lacordaire, 1868: 278; Bates, 1872: 172 (distr.); LeConte, 1873a: 203; Thomson, 1878a: 7 (type); Bates, 1880: 17 (distr.); 1884: 243 (distr.); Leng, 1885b: 28, pl. 2, fig. 32; Horn, 1894: 337 (distr.); Townsend, 1903: 76 (distr.); Schaeffer, 1908: 327 (distr.); Garnett, 1918: 177 (distr.); Linsley & Martin, 1933: 180 (distr.); Linsley, 1942: 34 (distr.); Vogt, 1949: 140 (distr.); Linsley, 1962a: 97; Hovore & Giesbert, 1976: 352 (hosts); Manley & French, 1976: 47, fig. 1; Turnbow & Wappes, 1978: 368 (hosts); Chemsak, Linsley & Mankins, 1980: 33 (distr.); Hovore, Penrose & Neck, 1987: 297 (biol., distr.); Maes & Tellez Robleto, 1988: 22 (hosts); Chemsak, Linsley & Noguera, 1992: 31 (cat.); Maes *et al.*, 1994: 14 (distr.); Monné, M.A., & Giesbert, 1994: 136 (checklist); Chemsak & Noguera, 1995: 58; Noguera & Chemsak, 1996: 397 (distr.); Linsley & Chemsak, 1997: 378 (hosts); Maes, 1998: 888 (distr.); Monné, M.A., 2001b: 57 (cat. hosts); Turnbow, Cave & Thomas, 2003: 17 (distr.); Monné, M.A., 2005: 569 (cat.); Monné, M.A. & Hovore, 2006: 30 (checklist); MacRae & Rice, 2007: 236 (hosts); Noguera *et al.*, 2007: 310 (distr.); Swift *et al.*, 2010: 10 (distr.); Maes *et al.*, 2010: 35, 4 figs (distr.); Noguera *et al.*, 2012: 620 (distr.); Gutiérrez & Noguera, 2015: 140 (distr.); García Morales *et al.*, 2015: 100 (distr.); García Ochaeta, Aguilar Julio & Taboada-Verona., 2016: 134, fig. 1 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 464 ;

Gnaphalodes trachyderoides var. *inermis* Bates, 1884: 243.

Type locality - Holotype male: Mexico, Durango: Presidio. (MNHN).

***Knulliana* Linsley, 1962**

Knulliana Linsley, 1962a: 109; Arnett, 1962: 858, 863, 881; Fragoso, Monné, M.A. & Seabra, 1987: 199; Monné, M.A., 2005: 570 (cat.); Monné, M.L. & Napp, 2005b: 5; Monné, M.A. & Hovore, 2006: 30 (checklist); Monné, M.A., 2012: 8.

Type-species - *Cerambyx cinctus* Drury, 1773 (original designation).

Cerasphorus Dejean, 1835: 326 (not Audinet-Serville, 1834); LeConte, 1850b: 11; Chenu, 1870: 312; Knull, 1946: 190.

Eburia (*Cerasphorus*); Laporte, 1840: 423.

Chion Newman, 1840b: 23 (not Scopoli, 1777); Thomson, 1861: 232; 1864: 243; 1865: 451; Lacordaire, 1869: 285; LeConte, 1873b: 302; Provancher, 1877: 579, 591; LeConte & Horn, 1883: 297; Leng, 1886: 115; Blatchley, 1910: 1021; Bradley, 1930: 232.

Type-species - *Stenocorus rusticus* Fabricius, 1781 (subsequent designation, Thomson, 1864: 232) [= *Cerambyx cinctus* Drury, 1773].

1. *Knulliana cincta cincta* (Drury, 1773)

Syntypes locality - Syntypes: United States, Virginia. (Depository unknown). **Distribution**

- Eastern North America to western Texas, south to northern Mexico (Nuevo León, Sonora, Coahuila), Bahamas. **Host plants** - *Acer saccharum* Marshall (Aceraceae), *Cercis canadensis* Linnaeus, *Parkinsonia* sp. (Caesalpiniaceae), *Celtis laevigata* Willdenow (Cannabaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Castanea* sp., *Quercus alba* Linnaeus, *Q. macrocarpa* Michaux, *Quercus marilandica*, *Q. nigra* Linnaeus, *Q. palustris* Du Roi, *Q. phellos* Linnaeus, *Q. stellata* Wangenheim, *Q. velutina* Lamarck (Fagaceae), *Carya glabra* (Miller) Sweet, *C. illinoensis* (Wangenheim) K. Koch, *C. ovata* (Miller) K. Koch, *C. pecan* (Marshall) Engler & Graebner, *Juglans* sp. (Juglandaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *Leucaena pulverulenta* (Schlechtendal) Benth., *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Prunus* sp., *Pyrus malus* Linnaeus (Rosaceae), *Citrus paradisi* Macfadyen (Rutaceae), *Salix* sp. (Salicaceae), *Sapindus saponaria* var. *drummondii* (Hooker & Arnott) Benson (Sapindaceae), *Ulmus crassifolia* Nuttall (Ulmaceae).

Cerambyx cinctus Drury, 1773: 85, pl. 37, fig. 6.

Stenocorus cinctus; Harris, 1838: 92; 1893, 1854: 116, pl. 34, fig. 2.
Stenocorus (Cerasphorus) cinctus; Harris, 1841: 81.
Cerasphorus cinctus LeConte, 1852: 177; 1858a: 40 (distr.); Bland, 1861: 94 (distr.); Walsh, 1866: 30, fig. 8 (biol.); Knull, 1946: 191, pl. 9, fig. 37; Beal, Haliburton & Knight, 1952: 118 (biol.); Dean, 1953: 174 (hosts); Dillon & Dillon, 1961: 585, pl. 58, No. 7.
Chion cinctus; Packard, 1870: 594, fig. 123 (larva); Popenoe, 1877: 33 (distr.); Riley, 1880: 239 (hosts); Packard, 1881: 70, fig. 29 (biol.); Harrington, 1884: 45 (biol.); Leng, 1885b: 28; Horn, 1885b: 5; 1885c: 88; 1886a: 138; Packard, 1890: 287, fig. 11 (biol.); Blake, 1890: 58 (distr.); Hopkins, 1893: 193 (biol.); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 75 (hosts); Wickham, 1897a: 108, fig. 18; Lugger, 1899: 196, fig. 119 (biol.); Smith, 1900: 287 (distr.); Dury, 1902: 159 (distr.); Ulke, 1903: 25 (distr., hosts); Townsend, 1903: 76 (distr.); Hopkins, 1904: 36 (biol.); Tucker, 1906: 12 (distr.); Schaeffer, 1908: 327 (distr.); Wickham, 1909a: 28 (distr.); Webb, 1909: 162 (biol.); Smith, 1910: 326; Blatchley, 1910: 1022, fig. 433; Leng, 1911: 215 (distr.); Fisher & Kirk, 1912: 210 (distr.); Leng & Mutchler, 1914: 445 (distr.); Dozier, 1918: 334 (distr.); 1920: 366 (distr.); Britton, 1920: 267 (distr.); Rohwer, 1921: 413 (paras.); Craighead, 1923: 678, pl. 8, fig. 14, pl. 28, fig. 5 (larva); Blackman & Stage, 1924: 88 (biol.); Kirk & Knull, 1926: 22 (distr.); Leonard, 1928: 435 (distr.); Ware, 1929: 368 (distr.); St. George, 1929: 7, fig. 14 (biol.); Craighead & Middleton, 1930: 12 (biol.); Beaulne, 1932: 198 (hosts); Doane *et al.*, 1936: 168 (biol.); Brimley, 1938: 210 (biol.); Loding, 1945: 114 (distr.); Vogt, 1949: 150 (distr.); Craighead, 1950: 238, figs 50a, 51b; Duffy, 1953: 276, fig 146-148 (larva); Papp, 1955: 217 (distr.); Alexander, 1958: 45 (distr.); Duffy, 1960: 115, figs 65,66; Zayas, 1975: 58 (exclusion).
Knulliana cincta cincta; Linsley, 1962: 109; Gosling, 1973: 71 (distr.); Hovore & Giesbert, 1976: 352 (hosts); Laliberte, Chantal & LaRoche, 1977: 94 (hosts); Turnbow & Franklin, 1980: 341 (distr.); Waters & Hyche, 1984: 285 (distr.); Hovore, Penrose & Neck, 1987: 298 (distr.); MacRae, 1993: 228 (distr., hosts); Lingafelter & Horner, 1993: 167 (distr.); Monné, M.A., 1993b: 15 (cat.); Monné, M.A., & Giesbert, 1994: 136 (checklist); Yanega, 1996: 46, pl. 13, fig. 148; Noguera & Chemsak, 1996: 397 (distr.); Linsley & Chemsak, 1997: 385 (hosts); Peck & Thomas, 1998: 117 (distr.); Schiefer, 1998: 120 (distr.); Vlasák & Vlasakova, 2002: 209 (distr.); Monné, M.L. & Napp, 2005: 4, figs 46, 67, 72, 84, 164; Monné, M.A. & Hovore, 2006: 30 (checklist); MacRae & Rice, 2007: 236 (distr., hosts); Guarnieri, 2009: 17 (distr.); Holt, 2013: 246 (distr., hosts); García Morales *et al.*, 2014: 100 (distr.); Haack, Keena & Eyre, 2017: 77; Klingeman *et al.*, 2017: 96; Bousquet, Laplante, Hammond & Langor, 2017: 75, pl.12; Rice *et al.*, 2022: 1 (pherom)
Knulliana cincta; Baker, 1972: 178, fig. 54 (biol.); Chemsak, Linsley & Noguera, 1992: 31 (cat.); Browne & Peck, 1996: 2158.
Stenocorus garganicus Fabricius, 1775: 178; 1781: 226; 1801: 305; Zimsen, 1964: 172 (type).
Cerambyx (Stenocorus) garganicus; Gmelin, 1790: 861.
Cerambyx garganicus; Olivier, 1790: 303, pl. 15, fig. 105; 1795: 39, pl. 15, fig. 105; Schoenherr, 1817: 403; Palisot de Beauvois, 1821: 247.
Cerasphorus garganicus; Audinet-Serville, 1834b: 11; Haldeman, 1847a: 32; 1852: 378 (distr.)
Eburia (Cerasphorus) garganica; Laporte, 1840: 423.
Chion garganicus; Chevrolat, 1852: 650 (error); Provancher, 1877: 591
Chion garganicus; Pettit, 1871: 105 (distr.); Bates, 1884: 243; Saunders, 1887: 29 (distr.).
Syntypes locality - Syntypes: United States, Maryland. (BMNH).
Cerambyx balteatus Degeer, 1775: 111, pl. 14, fig. 3.
Stenocorus (Cerasphorus) balteatus; Drury & Westwood, 1837: 80, pl. 37, fig. 6
Type locality - Type: United States, Pennsylvania. (NHRS).
Stenocorus rusticus Fabricius, 1781: 228; 1801: 311; Schoenherr, 1817: 408; Zimsen, 1964: 173 (types).
Chion rusticus; Newman, 1840b: 23; Haldeman, 1847c: 371 (syn.); White, 1853: 112; Thomson, 1861: 244; 1864: 243.
Cerasphorus rusticus; LeConte, 1859d: 12.
Type locality - Holotype: India Orientali. (BMNH).
Cerambyx (Stenocorus) ruricola Gmelin, 1790: 860.

Type locality - unknown.

Cerasphorus quadrispinosus Haldeman, 1847a: 32.

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

Chion filicorne Casey, 1924: 256; Brimley, 1938: 210; Lingafelter *et al.*, 2014: 62, fig. 66c (holotype).

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

1a. *Knulliana cincta sonorensis* (Schaeffer, 1908)

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

Distribution - United States (Southern Arizona to western Texas), northern Mexico. **Host plants** - *Cercidium* sp. (Caesalpinaceae), *Quercus arizonica* Sargent, *Q. emoryi* Torrey, *Q. grisea*, *Q. pungens* var. *vaseyana* (Buckley) C. H. Müller (Fagaceae).

Chion cinctus var. *sonorensis* Schaeffer, 1908: 332; Lingafelter *et al.*, 2014: 41, figs 43a, b (lect. designation).

Cerasphorus cinctus sonorensis; Linsley, Knull & Statham, 1961b: 21.

Knulliana cincta sonorensis; Linsley, 1962a: 111, fig. 35; Hovore & Giesbert, 1976: 352 (hosts); Chemsak, Linsley & Noguera, 1992: 31 (cat.); Monné, M.A., 1993b: 13 (cat.); Monné, M.A., & Giesbert, 1994: 137 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 386 (hosts); Monné, M.A., 2001b: 58 (cat. hosts); Monné, M.A., 2005: 570 (cat.); Monné, M.A. & Hovore, 2006: 30 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 464 ;

1b. *Knulliana cincta spinifera* (Fabricius, 1793)

Syntypes locality - Syntypes: America meridionali. (Syntypes. ZMUC, ZMUK).

Distribution - Southeastern United States, northeastern Mexico (Tamaulipas), Bahamas Islands, Guadeloupe. **Host plants** - *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae), *Ostrya virginiana* (Miller) K. Koch (Betulaceae), *Conocarpus erectus* Linnaeus (Combretaceae), *Carya pecan* (Marshall) Engler & Graebner (Juglandaceae), *Lysiloma latisiliqua* (Linnaeus) Bentham (Mimosaceae), *Ficus aurea* Nuttall (Moraceae).

Lamia spinifera Fabricius, 1793: 275; 1801: 292; Zimsen, 1964: 169 (types); Martins & Moure, 1973: 79, figs 1,2.

Knulliana cincta spinifera; Monné, M.A., 1993b: 13 (cat.); Monné, M.A., & Giesbert, 1994: 137 (checklist); Tavakilian, 1997: 132 (syn.); Schiefer, 1998: 120; Monné, M.A., 2001b: 58 (cat. hosts); Monné, M.A., 2005: 570 (cat.); Monné, M.A. & Hovore, 2006: 30 (checklist); Lingafelter, 2007: 70, 147, 2 figs, pl. 16, fig 1; Turnbow & Thomas, 2008: 19 (distr.); Touroult, 2014 : 82, fig. 1 (syn.); García Morales *et al.*, 2015: 100 (distr.); Peck, 2016: 178 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 464 ;

Eburia cinnamomea Fleutiaux & Sallé, 1889: 463; Gahan, 1895: 98; Gilmour, 1968: 108; Villiers, 1980a: 276; Chemsak, Linsley & Noguera, 1992: 33 (cat.); Chalumeau & Touroult, 2005: 80; Monné, M.A., 2005: 143 (cat.); Peck, 2016: 173 (distr.).

Eburia cinnamomea; Leng & Mutchler, 1914: 445; Peck, Thomas & Turnbow, 2014: 92 (distr.). (error).

Type locality – Holotype female: Guadeloupe. (MNHN).

Chion garganicus var. (?) *ochraceus* Bates, 1885: 243.

Chion cinctus var. *ochraceus*; Schaeffer, 1908: 331; Knull, 1937a: 41; Loding, 1945: 114 (biol.); Fattig, 1947: 8.

Cerasphorus cinctum ochraceum; Cazier & Lacey, 1952: 10, fig. 1.

Knulliana cincta ochracea; Linsley, 1962a: 111, fig. 35; Chemsak, Linsley & Noguera, 1992: 31 (cat.); Browne, Peck & Ivie, 1993: 48 (distr., hosts); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 386 (hosts); Peck & Thomas, 1998: 117.

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

CALLICHRMATINI Swainson 1840

Callichrominae Swainson, 1840: 293, 294.

Callichromites Blanchard, 1845: 148; Thomson, 1861: 166.
Callicromitae; Blanchard *in* Gay, 1851: 464.
Callichromitae; Thomson, 1865: 157.
Callichromides; Lacordaire, 1869: 1.
Callichrominae; Pascoe, 1869: 553, 582.
Callichromatinae; Bates, 1870: 333.
Callichromini; LeConte, 1873b: 311; LeConte & Horn, 1883: 296; Leng, 1884: 114;
Gahan, 1906: 189; Aurivillius, 1912: 297 (cat.); Bradley, 1930: 229; Plavilstshikov,
1940: 193; Gressitt, 1951: 189; Heyrovsky, 1955: 176; Arnett, 1962: 860, 885;
Linsley, 1964: 1; Hatch, 1971: 100; Villiers, 1980b: 294.
Callichrominen; Schmidt, 1924: 297.
Callichromina; Plavilstshikov, 1934: 5.
Callichromatini; Fragoso, Monné, M.A. & Seabra, 1987: 195; Monné, M.A., 1993h: 2
(cat.); Giesbert, 1987: 35 (key); Monné, M. A., 2005: 24 (cat.); Napp & Martins,
2009: 224 (rev.); Bousquet *et al.*, 2009: 42; Bouchard *et al.*, 2011: 467.
Type-genus: *Callichroma* Latreille, 1816.
Type-species: *Cerambyx suturalis* Fabricius, 1781, designated by Desmarest (1860: 315).
Terambidae Gistel, 1848a: [8].
Type-genus: *Terambus* Gistel, 1848.
Type-species: *Cerambyx moschatus* Linnaeus, 1758 (monotypy).

***Plinthocoelium* Schmidt, 1924**

Plinthocoelium Schmidt, 1924: 300, 382; Bradley, 1930: 229; Linsley, 1964: 1; Podany, 1965:
38; Monné, M.A., 1993h: 15 (cat.); Monné, M.A., 2005: 34 (cat.); Monné, M.A. & Hovore,
2006: 32 (checklist); Monné, M.A., 2012: 9.
Plinthocoelium; Arnett, 1962: 860 (error).
Type-species - *Cerambyx suaveolens* Linnaeus, 1758 (original designation).
Callichroma; LeConte, 1850b: 37; 1873b: 311; LeConte & Horn, 1883: 296; Leng, 1886: 60;
Casey, 1912: 314 (not Latreille, 1816).

1. *Plinthocoelium schwarzi* (Fisher, 1914)

Type locality - Holotype male: United States, Texas: McAllen. (USNM). **Distribution** -
United States (Texas), Mexico (Nuevo León). **Host plants** - *Condalia* sp. (Rhamnaceae),
Cissus sp. (Vitaceae).
Callichroma schwarzi Fisher, 1914: 97.
Plinthocoelium schwarzi; Schmidt, 1924: 385, 395; Linsley & Hurd, 1959: 27; Linsley, 1964: 3;
Podany, 1965: 39 (distr.); Hovore, Penrose & Neck, 1987: 305 (distr.); Chemsak, Linsley &
Noguera, 1992: 60 (distr.); Monné, M.A., 1993h: 17 (cat.); Monné, M.A., & Giesbert, 1994:
101 (checklist); Monné, M.A. & Hovore, 2006: 32 (checklist); Lingafelter *et al.*, 2014: 315,
fig. 50e (holotype). Gutiérrez & Noguera, 2015: 141 (distr.); Pérez-Flores, Toledo-
Hernández, Bezark & Monné, M.A. 2021 : 464 ;
Callichroma schwarzi; Vogt, 1949: 143 (error).
Plinthocoelium schwarzi; Linsley & Chemsak, 1997: 421 (hosts, error).

2. *Plinthocoelium suaveolens suaveolens* (Linnaeus, 1768)

Syntypes locality - Syntypes: United States, Carolina (Depository unknown) **Distribution** -
Southeastern United States of Delaware and from Florida west to eastern Texas and Missouri.
Host plants - *Carya* sp. (Juglandaceae), *Morus* sp. (Moraceae), *Nyssa uniflora* Walter
(Nyssaceae), *Bumelia lanuginosa* (Michaux) (Sapotaceae).
Cerambyx suaveolens Linnaeus, 1768: 224
Cerambyx (Stenocorus) suaveolens; Gmelin, 1790: 1862

Plinthocoelium suaveolens; Schmidt, 1924: 384; Linsley & Hurd, 1959: 27; Linsley, 1964: 2; Chemsak, Linsley & Noguera, 1992: 60 (cat.); Monné, M.A., 1993h: 16 (cat.); Monné, M.A., & Giesbert, 1994: 101 (checklist); Browne & Peck, 1996: 2159 (distr.).

Plinthocoelium suaveolens suaveolens; Linsley & Hurd, 1959: 27; Linsley, 1964: 2; Turnbow & Hovore, 1979: 222 (hosts); Turnbow & Franklin, 1980: 342 (distr.); MacRae, 1993: 232 (distr.); Yanega, 1996: 52, pl. 18, fig. 19a, 19b; Linsley & Chemsak, 1997: 421 (hosts); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 118 (distr.); Monné, M.A. & Hovore, 2006: 32 (checklist); MacRae & Rice, 2007: 243 (distr., hosts); Holt, 2013: 246 (distr.); Klingeman *et al.*, 2017: 296 (distr.).

Callichroma suaveolens; Brimley, 1938: 214 (distr.); Loding, 1945: 118 (distr.); Sherman, 1946: 126 (distr.); Alexander, 1958: 45 (distr.).

Callichroma splendidum LeConte, 1850b: 37; White, 1853: 157; Fitch, 1858: 711 (biol.); Lacordaire, 1869: 16; Schaupp, 1878: 34 (distr.); Riley, 1880: 239 (biol.); Leng, 1886: 61, pl. 2, fig. 4; Hamilton, 1892a: 38 (distr., hosts); 1894a: 252 (distr.); Beutenmuller, 1896: 75 (hosts); Dozier, 1918: 334 (distr.); 1920: 366 (distr.).

Syntypes localities - Syntypes: United States, Georgia and Louisiana: New Orleans (MCZN).

Callichroma virescens Leng, 1886: 61.

Callichroma suaveolens ab. *virescens*; Aurivillius, 1912: 312 (cat.)

Callichroma suaveolens virescens; Loding, 1945: 118 (distr.)

Syntypes locality - Syntypes: United States, Southern States. (Public Museum of Staten Island).

1a. *Plinthocoelium suaveolens plicatum* (LeConte, 1853)

Syntypes locality - Syntypes: United States, Texas: Camp Bowie. (MCZN). **Distribution** - United States (central Texas to southeastern Arizona), Mexico (Sonora, Tamaulipas). **Host plants** - *Bumelia lanuginosa* (Michaux) (Sapotaceae).

Callichroma plicatum LeConte, 1853: 233; 1858a: 41 (distr.); Lacordaire, 1869: 16; Leng, 1886: 61; Hamilton, 1892a: 39; Snow, 1906a: 147 (distr.); 1906b: 170 (distr.); Tucker, 1906: 87 (distr.); Fisher, 1914: 98.

Plinthocoelium plicatum; Schmidt, 1924: 383.

Plinthocoelium suaveolens plicatum; Linsley & Hurd, 1959: 27, pls 9-11; Linsley, Knull & Statham, 1961b: 17, fig. 6 (distr., hosts); Linsley, 1964: 3, color fig.; Hovore, Penrose & Neck, 1987: 305 (distr., biol.); Chemsak, Linsley & Noguera, 1992: 60 (cat.); Monné, M.A., 1993h: 16 (cat.); Monné, M.A., & Giesbert, 1994: 101 (checklist); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 421 (hosts); Monné, M.A., 2001a: 18 (cat. hosts); Monné, M.A., 2005: 35 (cat.); Monné, M.A. & Hovore, 2006: 32 (checklist); Gutiérrez & Noguera, 2015: 141 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 464 ;

Callichroma smaragdina Casey, 1912: 314; Fisher, 1914: 98; Lingafelter *et al.*, 2014: 321, figs 156w, x (lect. designation).

Plinthocoelium smaragdinum; Schmidt, 1924: 384.

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

Plinthocoelium suaveolens smaragdinoides Schmidt, 1924: 384.

Syntypes locality - Syntypes male: United States, Texas: Dallas. (ZMHB).

CALLIDIINI Kirby, 1837

Callidiadae Kirby, 1837: 170.

Callidiidae Mulsant, 1839: 27, 38; 1862-63: 54, 78.

Callidiites; Blanchard, 1845: 152; Fairmaire *in* Jacquelin DuVal, 1864: 131, 192.

Callidiidae; Gistel, 1848a: (8).

Callidiina; Thomson, C. G., 1859: 148; 1866: 24; Reitter, 1912: 25, 34; Plavilstshikov, 1934: 154.

Callidiitae; Thomson, 1861: 257; 1864: 163.

Callidiini; LeConte, 1873b: 295; LeConte & Horn, 1883: 280; Leng, 1884: 61; Blatchley, 1910: 1016; Aurivillius, 1912: 336 (cat.); Casey, 1912: 269; Portevin, 1927: 30;

Bradley, 1930: 228, 238; Plavilstshikov, 1940: 232; Knull, 1946: 204; Heyrovsky, 1955: 182; Duffy, 1957: 136; 1960: 143; Arnett, 1962: 861, 886; Linsley, 1964: 11; Hatch, 1971: 100; Monné, M.A., 1993h: 35 (cat.); Monné, M.A., 2005: 40 (cat.); Bousquet *et al.*, 2009: 43; Bouchard *et al.*, 2011: 468.

Callidini; Gressitt, 1951: 216; Duffy, 1953: 207.

Type-genus: *Callidium* Fabricius, 1775.

Type-species: *Cerambyx violaceus* Linnaeus, 1758 designated by Thomson (1864: 264).
Phymatodates Mulsant, 1863: 397

Type-genus: *Phymatodes* Mulsant, 1839 [placed on the Official List of Generic Names in Zoology (ICZN 1989a)]. Comment: original vernacular name unavailable (Art.11.7.2): not subsequently latinized.

***Callidiellum* Linsley, 1940**

Callidiellum Linsley, 1940a: 254; 1957b: 287; Arnett, 1962: 867, 886; Linsley, 1964: 17; Chemsak & Linsley, 1966: 151; Hatch, 1971: 111; Monné, M.A., 1993h: 37 (cat.); Monné, M.A. & Hovore, 2006: 33 (checklist);

Type-species - *Semanotus cupressi* Van Dyke, 1923 (original designation).

1. *Callidiellum cupressi* (Van Dyke, 1923)

Type locality - Holotype male: United States, California: Marin County, Cypress Ridge. (CASC). **Distribution** - United States, California: dry serpentine ridges of Marin, Alameda, Contra Costa, Lake and Napa Cos., to San Luis Obispo Co. **Host plants** - *Cupressus goveniana* Gordon, *C. macrocarpa* Hartweg ex Gordon, *C. sargentii* Jepson.

Semanotus cupressi Van Dyke, 1923: 48; Essig, 1926: 455 (biol.); Linsley & Usinger, 1936: 55 (distr.).

Callidiellum cupressi; Linsley, 1940a: 254; 1957b: 287 (hosts); 1964: 17, fig. 6; Chemsak & Powell, 1964: 119, pl. 1 (biol.); Chemsak & Linsley, 1966: 251 figs 1-3 (biol.); Chemsak, Linsley & Noguera, 1992: 61 (cat.); Monné, M.A., 1993h: 16 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 351 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist); Drumont *et al.*, 2014: 239 (distr.).

2. *Callidiellum rufipennis* (Motschulsky, 1861)

Syntypes locality - Syntypes male: Japan. (ZMUM). **Distribution** - Eastern Asia: China, Korea Republic, Korea Democratic People's Republic, Sakhalin, Japan, Ryukyu Islands, Taiwan. Introduced in Canada, United States New Zealand and Argentina (Buenos Aires). **Host plants** - *Juniperus rigida* Siebold & Zuccarini, *Chamaecyparis lawsoniana* (A. Murray) Parlatore, *C. nootkatensis* (D. Don) Spach, *C. obtusa* (Siebold & Zuccarini) Endlicher, *C. pisifera* Siebold & Zuccarini, *Cupressus macrocarpa* Hartweg ex Gordon, *Juniperus communis* Linnaeus, *J. scopulorum* Sargent, *J. virginiana* Linnaeus, Thuja occidentalis Linnaeus, *T. orientalis* Linnaeus, *Thujopsis dolabrata* Hortulanorum ex Carrière, *Thujopsis standishii* Gordon (Cupressaceae), *Quercus aliena* Blume (Fagaceae), *Abies firma* Siebold & Zuccarini, *A. holophylla* Maximowicz, *A. sachalinensis* Masters, *Larix kaempferi* Fortune ex Gordon, *Picea jezoensis* Carrière, *Pinus densiflora* Siebold & Zuccarini, *Pinus thunbergii* Parlatore (Pinaceae), *Taxus cuspidata* Siebold & Zuccarini (Taxaceae), *Cryptomeria japonica* D. Don (Taxodiaceae)

Callidium rufipenne Motschulsky, 1861: 19; Leech, 1949: 26 (distr.); Monné, M. A., 1993h: 94 (distr.).

Callidiellum rufipenne; Linsley, 1964: 17; Hatch, 1971: 113; Monné, M.A., 1993h: 44 (cat.); Maier & Lemmon, 2000: 747, figs 1-5 (distr., hosts); Di Iorio, 2004d: 671 (distr.); Ray, Lacey & Hanks, 2006: 545 (pheromones); Turienzo, 2006: 155 (distr.); Lingafelter, 2007: 90, 144, pl. 21, fig. 1, 2 figs (hosts); Maier, 2007: 1291 (distr., hosts); Rutledge, Millar, Romero & Hanks, 2009: 1267 (pherom.); Maier & Graney, 2012: 417 (distr.); Haack in Wang, 2017:

w/page fig. 11.3 (biol., hosts); Nakamuta, Zou, Hanks & Millar, 2017: 93 (pherom); Gimmel *et al.*, 2023: 248 (distr.)

Callidium nigromaculatum Kano, 1933: 274.

Type locality - Holotype female: Japan, Honshu: Tokyo, Aoyama. (NSMJ).

Callidium japonicum Plavilstshikov, 1933: 126 (preoccupied name); Danilevsky, 2009: 704 (lect.).

Semanotus plavilstshikovi Matsushita, 1933: 439 (new name).

Type locality - Holotype female: Japan, Kyushu, Nagasaki Prefecture: Unzen. (ZMUM).

3. *Callidiellum virescens* Chemsak & Linsley, 1966

Type locality - United States, Arizona: Manzanita Forest Camp, Oak Creek Canyon, Coconino County. (CASC). **Distribution** - United States (Arizona, Otay Mountain area in southern San Diego County, California). **Host plants** - *Cupressus forbesii* Jepson, *C. glabra* Sandwith (Cupressaceae).

Callidiellum virescens Chemsak & Linsley, 1966: 152, figs 1-3; Chemsak, Linsley & Noguera, 1962: 61 (cat.); Monné, M.A., 1993h: 38 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Monné, M.A. & Hovore, 2006: 33 (checklist); Swift, 2008a: 2 (hosts); Drumont *et al.*, 2014: 239 (distr.).

Callidium Fabricius, 1775

Callidium Fabricius, 1775: 187; Mulsant, 1839: 42 (not Fabricius, 1775); Thomson, C. G. 1859: 150; Thomson, 1861: 258; Mulsant, 1863: 84; Thomson, 1864: 264; 1865: 462; Schjodte, 1865: 205; Lacordaire, 1869: 52; Chenu, 1870: 319; Girard, 1873: 727; LeConte, 1873b: 296; Provancher, 1877: 578, 590; LeConte & Horn, 1883: 281; Leng, 1884: 112; Wickham, 1897a: 107; Casey, 1912: 287; Reitter, 1912: 37; Planet, 1924: 220; Portevin, 1927: 33; Picard, 1929: 93; Bradley, 1930: 238; Plavilstshikov, 1934: 156, 193; 1940: 287; Chagnon, 1938: 257; Knull, 1946: 208; Villiers, 1946: 87; Gressitt, 1951: 223; Heyrovsky, 1955: 198; Arnett, 1962: 867, 886; Chagnon & Robert, 1962: 253, 257; Linsley, 1964: 28; Hatch, 1971: 111; Monné, M.A., 1993h: 42 (cat.); Monné, M.A., 2005: 40 (cat.); Bousquet *et al.*, 2009: 42; Monné, M.A., 2012: 10; Monné, M.A. & Hovore, 2006: 33 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 53 (key spp.)

Type-species - *Cerambyx violaceus* Linnaeus, 1758 (Thomson, C. G. designation, 1859: 150).

Meridion Gozis, 1886: 32.

Type-species - *Cerambyx violaceus* Linnaeus, 1758 (original designation).

Callidium (*Callidostola*) Reitter, 1912: 37; Plavilstshikov, 1934: 201.

Type-species - *Callidium aeneum* Degeer, 1775 (monotypy).

1. *Callidium angustipennis* Chemsak, 1964

Type locality - Holotype male: United States, California: 2 miles South of Adin Summit, Modoc County. (CASC). **Distribution** - United States (California). **Host plants** - *Juniperus occidentalis* Hooker (Cupressaceae).

Callidium angustipennis Chemsak, 1964: 187, fig.1; Ruetter, 1970: 18 (paratype); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 42 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 351 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist);

2. *Callidium antennatum antennatum* Newman, 1838

Type locality - Holotype: North America. (BMNH). **Distribution** - Canada, United States (North America east of Rocky Mts). **Host plants** - *Picea* sp., *Pinus banksiana* Lambert, *P. contorta* Douglas ex Loudon, *P. nigra laricio* (Poiret) Maire, *P. rigida* Miller, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Callidium antennatum Newman, 1838: 393; Haldeman, 1847c: 372; White, 1855: 316; LeConte, 1857: 23 (distr.); Fitch, 1858: 713 (biol.); Bland, 1861: 95 (distr., hosts); Walsh, 1865: 206; 1867: 109 (biol.); Lacordaire, 1869: 52; Packard, 1872: 496; Riley, 1880: 238 (hosts);

Packard, 1881: 159, 246 (biol.); Harrington, 1881: 33 (hosts); Leng, 1884: 112; 1885: 35, pl. 1, fig. 16; Horn, 1885b: 5; Snow, 1885: 68 (distr.); Packard, 1890: 700, 906, fig. 236 (biol.); Hopkins, 1893: 293 (biol.); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 75 (hosts); Wickham, 1897a: 107; 1897b: 156 (distr.); Smith, 1900: 287 (distr.); Fall, 1901: 144 (distr.); Dury, 1902: 158 (distr.); MacGillivray & Houghton, 1902: 252 (distr.); Ulke, 1903: 25 (distr.); Hopkins, 1904: 37; Felt, 1906: 660, fig. 189 (biol.); Knaus, 1906: 234 (distr.); Snow, 1906b: 179 (distr.); Tucker, 1906: 12 (distr.); Fall & Cockerell, 1907: 191 (distr.); Smith, 1910: 287; Blatchley, 1910: 1019, fig. 430; Elliott & Morley, 1911: 465 (paras.); Frost, 1912: 306; Casey, 1912: 287; Johnson, 1915: 315 (distr.); Morris, 1916: 19 (hosts); Schaeffer, 1917: 183; Chagnon, 1917: 231 (distr.); Garnett, 1918: 175 (distr.); Nicolay, 1919: 64 (distr.); Britton, 1920: 269 (distr.); Craighead, 1921: 203 (biol.); 1923: 47 (larva); Kirk & Knull, 1926: 39 (distr.); Essig, 1926: 455, fig. 358 (biol.); Leonard, 1928: 444 (distr.); St. George, 1929: 8, fig. 18 (biol.); Craighead & Middleton, 1930: 12 (biol.); Pack, 1930: 220 (distr.); Beaulne, 1932: 201 (hosts); Goldman, 1933: 94, pl. 5, figs 36-39; Easterling, 1934: 140 (hosts); Herrick, 1935: 251, 379, fig. 309 (biol.); Doane *et al.*, 1936: 281; Brimley, 1938: 215 (distr.); Savely, 1939: 354, 357 (biol.); Palmerlee, 1941: 377 (hosts); Loding, 1945: 119 (distr.); Knull, 1946: 208; Craighead, 1950: 240, fig. 52F; Knowlton & Wood, 1950: 12 (distr.); Beal, Haliburton & Knight, 1952: 121 (biol.); Papp, 1955: 218 (distr.); Dillon & Dillon, 1961: 594, pl. 59, No 1; Peck, 1963: 955 (paras.); Linsley, 1964: 33; Deyrup, 1977: 182 (hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Lingafelter, 2007: 85, 144, 2 figs, pl. 20, fig. h (hosts); Haack, 2017: 113 (hosts); Klingeman *et al.*, 2017: 296 (distr.)

Callidium antenatum antenatum; Linsley, 1964: 34, fig. 36; Gosling, 1973: 76 (biol., distr.); Kirk & Balsbaugh, 1975: 98 (distr.); Turnbow & Franklin, 1980: 342 (distr.); Monné, M.A., 1993h: 42 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); MacRae, 1993: 232 (distr.); Yanega, 1996: 52, pl. 18, figs 216a-b; Linsley & Chemsak, 1997: 351 (hosts); Schiefer, 1998: 118 (distr.); Vlasák & Vlasakova, 2002: 210 (distr., hosts); Monné, M.A. & Hovore, 2006: 33 (checklist); Staines, 2008: 146 (distr.); Holt, 2013: 246 (distr.); Spomer, 2014: 299 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 54

Callidium antennatum; LeConte, 1850b: 34 (error).

2a. *Callidium antennatum hesperum* Casey, 1912

Type locality - Lectotype: United States, Nevada. (USNM). **Distribution** - Canada, United States (Pacific coast of North America from British Columbia to California and Rocky Mts.).

Host plants - *Pinus balfouriana* (Jeffrey) ex A. Murray, *P. cembroides* Zuccarini, *P. edulis* Engelhorn, *P. flexilis* James, *P. jeffreyi* Balfour, *P. monophylla* Torrey & Frémont, *P. ponderosa* Douglas ex Lawson & P. Lawson, *Pseudotsuga menziesii* (Mirbel) Franco, *Tsuga mertensiana* (Bongard) Carrière (Pinaceae).

Callidium antennatum hesperum Casey, 1912: 288; Schaeffer, 1917: 148 (distr.); Doane *et al.*, 1936: 181; Powell, 1962: 70 (hosts); Linsley, 1964: 36, figs 12-2, 13, 14; Chemsak & Powell, 1964: 122 (hosts); Tyson, 1970b: 297 (hosts); Hatch, 1971: 114, pl. 12, figs 4, 4a; Baker, 1972: 194, fig. 66 (biol.); Swan & Papp, 1972: 447, fig. 945; Furniss & Carolin, 1977: 299 (hosts); Rice, Turnbow & Hovore, 1985: 20 (distr.); MacKay, Zak & Hovore, 1987: 364 (distr.); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 43 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 351 (hosts); Heffern, 1998: 13 (distr.); Monné, M.A. & Hovore, 2006: 33 (checklist); MacRae & Rice, 2007: 230 (distr., hosts); Lingafelter *et al.*, 2014: 17, 366, fig. 17o (lectotype); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 54 (syn.).

Callidium antennatum var. *hesperum*; Knowlton & Thatcher, 1936: 279 (distr.); Bedard, 1938: 183 (hosts); Miller, 1943: 1, figs 1-4 (biol.); Knowlton & Wood, 1950: 12 (distr.); Keen, 1952: 194, figs 92, A-D (biol.).

Callidium Vancouverense Van Dyke, 1927: 104; Hardy & Preece, 1927b: 65 (hosts); Criddle, 1928: 97 (distr.); Hardy, 1942: 11 (biol.); 1944: 17 (distr.); Keen, 1952: 47 (hosts); Ruetter, 1970: 18 (paratype)

Type locality - Holotype male: Canada, British Columbia: Sydney, Vancouver Island. (CASC).

3. *Callidium californicum* Casey, 1912

Type locality - Holotype male: United States, California. (USNM). **Distribution** - United States (California: Sierra Nevada Mts). **Host plants** - *Calocedrus decurrens* (Torrey) Florin (Cupressaceae).

Callidium californicum Casey, 1912: 289; Schaeffer, 1917: 186 (distr.); Essig, 1926: 455 (biol.); Knowlton & Thatcher, 1936: 279 (distr.); Knowlton & Wood, 1950: 12 (distr.); Keen, 1952: 47 (hosts); Linsley, 1964: 44; Tyson, 1966: 203 (hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 43 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 351 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist); Lingafelter *et al.*, 2014: 35, fig. 36g (holotype).

4. *Callidium cicatricosum* Mannerheim 1853

Type locality - Holotype: United States, Alaska: Peninsula Kenai, Mouth of Kaktnu River. (MZHF). **Distribution** - Alaska to Oregon & northern Rocky Mountains. **Host plants** - *Abies grandis* (Lambert) Lindley, *Pinus jeffreyi* Balfour, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Callidium cicatricosum Mannerheim, 1853: 246; LeConte, 1857: 23; Lacordaire, 1869: 52, Leng, 1884: 113; Hamilton, 1894c: 31; Casey, 1912: 290; Lange, 1937: 173 (hosts); Linsley, 1964: 32; Hatch, 1971: 113; Furniss & Carolin 1977: 299 (hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 43 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 352 (hosts); Heffern, 1998: 14 (distr.); Monné, M.A. & Hovore, 2006: 33 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 54, pl. 6

Callidium subopacum; Ruetter, 1970: 18 (type).

Type locality - Holotype: Canada, Yukon Territory: South Rampart House. (CNCI).

5. *Callidium frigidum* Casey, 1912

Type locality - Holotype female: Canada. (USNM). **Distribution** - Canada, United States (Eastern Canada and Atlantic states to Virginia and Minnesota). **Host plants** - *Juniperus ashei* Buchholz, *J. communis* Linnaeus, *J. virginiana* Linnaeus, *Thuja occidentalis* Linnaeus (Cupressaceae), *Pinus strobus* Linnaeus (Pinaceae).

Callidium frigidum Casey, 1912: 289; Schaeffer, 1917: 186 (distr.); Nicolay, 1919: 65 (distr.); Britton, 1920: 269 (distr.); Kirk & Knull, 1926: 39 (distr.); Leonard, 1928: 444 (distr.); Beaulne, 1932: 201 (hosts); Chagnon, 1938: 257; Chagnon & Robert, 1962: 257; Linsley, 1964: 41, fig. 12-3 (syn.); Gosling, 1973: 76 (biol., distr.); Laliberté, Chantal & LaRoche, 1977: 91 (hosts); Gosling, 1984: 71 (hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); MacRae, 1993: 232 (distr.); Monné, M.A., 1993h: 43 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Yanega, 1996: 52, pl. 18, figs 218a, 218b; Linsley & Chemsak, 1997: 352 (hosts); Vlasák & Vlasakova, 2002: 210 (distr.); Monné, M.A. & Hovore, 2006: 33 (checklist); Lingafelter, 2007: 85, 144, 2 figs, pl. 20, fig. e (hosts); MacRae & Rice, 2007: 230 (distr., hosts); Maier, 2009: 438 (hosts); Lingafelter *et al.*, 2014: 76, fig. 71e (holotype); Webster, 2016: 487; Webster *et al.*, 2016: 112 (distr., hosts); Bousquet, Laplante, Hammond & Langor, 2017: 54

Callidium lacustre Casey, 1912: 289; Schaeffer, 1917: 187; Lingafelter *et al.*, 2014: 85, fig. 93a.

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

6. *Callidium hoppingi* Linsley, 1957

Type locality - Holotype male: Canada, British Columbia: Canyon House, about 30 miles West of Princeton. (CASC). **Distribution** - Canada, United States (British Columbia to Utah and Arizona). **Host plants** - *Juniperus scopulorum* Sargent (Cupressaceae).

Callidium hoppingi Linsley, 1957c: 33; 1964: 42; Hatch, 1971: 114 (distr.); Furniss & Carolin, 1977: 299 (hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 44 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 352

(hosts): Monné, M.A. & Hovore, 2006: 33 (checklist); Monné, M.A., 1993a: 43 (cat.); Monné, M.A., & Giesbert, 1994: 119 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 55, pl. 6

7. *Callidium juniperi* Fisher, 1920

Type locality - Holotype male: United States, New Mexico: Maxwell. (USNM). **Distribution** - United States (Oklahoma, New Mexico, Colorado and Utah). **Host plants** - *Juniperus californica osteosperma* (Torrey) E. Murray, *Juniperus occidentalis* Hooker (Cupressaceae).

Callidium juniperi Fisher, 1920: 157 (hosts); Keen, 1952: 47 (hosts); Alexander, 1958: 45 (distr.); Linsley, 1964: 38; Furniss & Carolin, 1977: 299 (hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 44 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 352 (hosts); Heffern, 1998: 14 (distr.); Monné, M.A. & Hovore, 2006: 33 (checklist); Lingafelter *et al.*, 2014: 84, fig. 91o (holotype).

8. *Callidium leechi* Linsley & Chemsak, 1963

Type locality - Holotype male: United States, California: Marin County, Mill Valley. (CASC). **Distribution** - United States (California, San Francisco Bay area). **Host plants** - *Sequoia sempervirens* (D. Don) Endlicher (Taxodiaceae).

Callidium leechi Linsley & Chemsak, 1963: 209; Linsley, 1964: 43; Ruetter, 1970: 18 (paratype); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 44 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 352 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist);

9. *Callidium powelli* Linsley & Chemsak, 1963

Type locality - Holotype male: United States, California: San Bernardino County, Desert Springs. (CASC). **Distribution** - United States (California: Western Mojave Desert). **Host plants** - *Juniperus californica* Afonso-Carrillo (Cupressaceae).

Callidium powelli Linsley & Chemsak, 1963: 207; Linsley, 1964: 40; Chemsak & Powell, 1964: 120 (biol.); Ruetter, 1970: 18 (paratype); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 44 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 352 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist);

10. *Callidium pseudotsugae* Fisher, 1920

Type locality - Holotype male: United States, California: Wright. (USNM). **Distribution** - United States (Oregon to southern California). **Host plants** - *Abies concolor* Gordon & Glen, *A. magnifica* A. Murray, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Callidium pseudotsugae Fisher, 1920: 155 (hosts); Doane *et al.*, 1936: 181 (biol.); Keen, 1952: 47 (hosts); Linsley, 1964: 36, fig. 15; Hatch, 1971: 114, pl. 12, fig. 7; Furniss & Carolin, 1977: 299 (hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 44 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 252 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist); Lingafelter *et al.*, 2014: 303, fig. 37a (holotype); Rice, MacRae & Merickel, 2017: 669 (distr.).

Callidium pseudotsuga; Essig, 1926: 455 (biol., error).

11. *Callidium schotti* Schaeffer, 1917

Type locality - Holotype male: United States, New York: Huntington, Long Island. (USNM). **Distribution** - Northeastern United States and southern Canada. **Host plants** - *Chamaecyparis* sp. (Cupressaceae), *Pinus resinosa* Aiton (Pinaceae).

Callidium schotti Schaeffer, 1917: 184; Nicolay, 1919: 64 (distr.); Kirk & Knull, 1926: 39 (distr.); Leonard, 1928: 444 (distr.); Brimley, 1938: 215 (distr.); Knull, 1946: 208, pl. 15, fig. 58; Spencer, 1958: 72; Linsley, 1964: 32, fig. 12-1; Gosling, 1986: 155 (hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 44 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Yanega, 1996: 52, pl. 18, fig. 214; Linsley & Chemsak, 1997:

352 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist); Lingafelter, 2007: 85, 144, 2 figs, pl. 20, fig. g (hosts); Lingafelter *et al.*, 2014: 315, fig. 150a (holotype).

12. *Callidium sempervirens* Linsley, 1942

Type locality - Holotype male: United States, California: Santa Cruz (CASC). **Distribution** - United States (Coastal California south to Monterey Co.). **Host plants** - *Sequoia sempervirens* (D. Don) Endlicher (Taxodiaceae).

Callidium sempervirens Linsley, 1942: 192; Tilden, 1945: 30 (hosts); DeLeon, 1952: 80 (hosts); Keen, 1952: 47 (hosts); Linsley, 1964: 38; Furniss & Carolin, 1977: 200 (hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 44 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 252 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist);

13. *Callidium sequoiarium* Fisher, 1920

Type locality - Holotype male: United States, California: Santa Cruz, Sequoia Gigant Forest. (USNM). **Distribution** - United States (California: Tulare, Fresno and Kern Cos.). **Host plants** - *Sequoiadendron giganteum* (Lindley) Buchholz (Taxodiaceae).

Callidium sequoiarium Fisher, 1920: 156 (hosts); Essig, 1926: 455 (biol.); Van Dyke, 1928b: 172; Doane *et al.*, 1936: 181 (hosts); DeLeon, 1952: 87 (hosts); Linsley, 1964: 40; Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 45 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 352 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist); Lingafelter *et al.*, 2014: 317, fig. 152 m (holotype).

Callidium sequoiae; Cushman, 1922: 6 (paras., error).

Callidium sequarium; Keen, 1952: 47 (hosts, error).

Callidium sequoiarum; Furniss & Carolin, 1977: 299 (hosts, error).

14. *Callidium texanum* Schaeffer, 1917

Type locality - Holotype male: United States, Texas. (USNM). **Distribution** - Eastern United States to Arizona, Utah and Nevada. **Host plants** - *Cupressus sempervirens* Linnaeus, *Juniperus ashei* Buchholz, *J. occidentalis* Hooker, *J. osteosperma* (Torrey) Little, *J. virginiana* Linnaeus (Cupressaceae).

Callidium texanum Schaeffer, 1917: 185; Vogt, 1949: 143 (distr.); Chemsak, 1962a: 321, fig. 1 (biol.); Linsley, 1964: 39, fig. 12-4; White, 1968: 31 (biol.); Tyson, 1970b: 297 (hosts); Hatch, 1971: 114, pl. 12, fig. 6; Baker, 1972: 195 (biol.); Furniss & Carolin, 1977: 299 (hosts); Turnbow & Franklin, 1980: 342 (distr., hosts); Hovore, Penrose & Neck, 1987: 322 (distr.); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 45 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Yanega, 1996: 52, pl. 18, figs 215a,b; Linsley & Chemsak, 1997: 352 (hosts); Heffern, 1998: 14 (distr.); Schiefer, 1998: 118 (distr.); Westcott *et al.*, 2006: 9 (distr.); Monné, M.A. & Hovore, 2006: 33 (checklist); Lingafelter, 2007: 85, 145, 2 figs, pl. 20, fig. f (hosts); Lingafelter *et al.*, 2014: 332, fig. 169w; Klingeman *et al.*, 2017: 296 (distr.).

15. *Callidium vandykei* Linsley, 1957

Type locality - Holotype male: United States, California: Arbolado (mouth of Big Sur River). (CASC). **Distribution** - United States (Coastal California from Monterey Co. to San Mateo Co.). **Host plants** - *Cupressus macrocarpa* Hartweg ex Gordon (Cupressaceae), *Sequoia sempervirens* (D. Don) Endlicher (Taxodiaceae).

Callidium pallidum Van Dyke, 1928a: 111 (preoccupied); 1928b: 172 (hosts); Tilden, 1945: 30 (hosts); DeLeon, 1952: 80 (hosts); Keen, 1952: 195 (hosts).

Callidium vandykei Linsley, 1957b: 287 (*nom. nov.*); 1964: 37; Tyson, 1966: 203 (hosts); Cope, 1984a: 28 (hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 45 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 353 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist);

16. *Callidium violaceipenne* Linsley & Chemsak, 1963

Type locality - Holotype male: United States, California: Humboldt Co., Hartsook Grove. (CASC). **Distribution** - United States (California). **Host plants** - *Sequoia sempervirens* (D. Don) Endlicher (Taxodiaceae).

Callidium violaceipenne Linsley & Chemsak, 1963: 208; Linsley, 1964: 42; Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 45 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 353 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist);

17. *Callidium violaceum* (Linnaeus, 1758)

Syntypes locality - Syntypes: Sweden. (UZI). **Distribution** - Europe, Transcaucasia, Siberia, China, Korea, Saghalien, Japan (Kokkaido, Honshu), introduced in: United States (New York, Massachusetts, Maine, Vermont), Canada (Newfoundland) and Uruguay. **Host plants** - *Alnus hirsuta* Turczaninow, *A. japonica* (Thunberg) Steudel (Betulaceae), *Carpinus tschonoskii* Maximowicz, *C. turczaninowii* Hance (Corylaceae), *Juniperus virginiana* Linnaeus (Cupressaceae), *Castanea crenata* Siebold & Zuccarini, *C. henryi* Rehder & E. H. Wilson, *C. sativa* Miller, *Fagus engleriana* Seemen ex Diels, *F. sylvatica* Linnaeus, *Quercus* sp. (Fagaceae), *Abies sachalinensis* Masters, *Larix europaea* de Candolle, *L. gmelinii* Ledebour ex Gordon, *L. kaempferi* Fortune ex Gordon, *L. laricina* (Duroi) K. Koch, *Picea abies* Linnaeus, *P. glehnii* Masters, *P. jezoensis* (Siebold & Zuccarini) Carrière ssp. *hondoensis* (Mayr) P. A. Schmidt, *P. jezoensis* Carrière, *Pinus sylvestris* Linnaeus, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae), *Fagara* sp. (Rutaceae), *Populus maximowiczii* Henry, *Salix* sp. (Salicaceae).

Cerambyx violaceus Linnaeus, 1758: 395.

Callidium violaceum; Fabricius, 1775: 188; Harris, 1838: 95; 1841: 83; Haldeman, 1847a: 37; Pettit, 1871: 106; Provancher, 1877: 590; Hamilton, 1894b: 395; Shoebottom, 1909: 114 (biol.); Schaeffer, 1917: 185 (syn.); Kirk & Knull, 1926: 39 (distr.); Procter, 1927: 112 (distr.); Leonard, 1928: 444 (distr.); Beaulne, 1932: 201 (hosts); Chagnon, 1938: 257, pl. 17, fig. 3; 1939: 86; Knull, 1946: 208; Procter, 1946: 180 (biol.); Gardiner, 1957: 251 (biol.); Zajciw & Ruffinelli, 1962: 50 (distr.); Chagnon & Robert, 1962: 257, pl. 17, fig. 3; Linsley, 1964: 30; Monné, M.A. & Zajciw, 1970: 32 (distr.); Gosling, 1973: 76 (biol.); Laliberté, Chantal & LaRochelle, 1977: 91 (hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 45 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Yanega, 1996: 53, pl. 18, figs 217a-b; Linsley & Chemsak, 1997: 253 (hosts); Heffern, 1998: 24 (distr., exclusion); Vlasák & Vlasakova, 2002: 210 (distr.); Sama, 2003: 71, figs 393, 394; Monné, M.A. & Hovore, 2006: 32 (checklist); Majka, McCorquodale & Smith, 2007: 261 (distr.); Lingafelter, 2007: 86, 145, 2 figs, pl. 20, fig. i (hosts); Staines, 2008: 146 (distr.); Maier, 2009: 438 (distr., hosts); McCorquodale, 2010: 468 (distr.); Webster, 2016: 487; Bousquet, Laplante, Hammond & Langor, 2017: 55, pl. 6

Callidium janthinum LeConte, 1850b: 24; 1858a: 40; 1869: 371 (distr.); Walsh, 1865: 206; 1867: 109; Lacordaire, 1869: 52; Pettit, 1871: 106 (distr.); Provancher, 1877: 591; LeConte, 1878b: 461 (distr.); Harrington, 1881: 33 (hosts); Leng, 1884: 112; Hamilton, 1889: 145; Packard, 1890: 809 (hosts); Slosson, 1895b: 319 (distr.); Beutenmuller, 1896: 75 (hosts); Wickham, 1897a: 107; Hopkins, 1899: 1 (hosts); Smith, 1900: 287 (distr.); Chittenden, 1901: 91; Dury, 1902: 158 (distr.); Ulke, 1903: 25 (distr.); Chagnon, 1905: 35 (distr.); Wenzel, 1906: 267 (distr.); Engelhardt, 1909: 189 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 335 (distr.); Blatchley, 1910: 1019; Frost, 1912: 306; Casey, 1912: 288; Johnson, 1915: 315 (distr.); Chagnon, 1917: 231 (distr.); Nicolay, 1917: 94 (distr.); Hatch, 1925: 580 (distr.); Craighead, 1950: 240 (biol.).

Syntypes locality - Syntypes female: United States, New York: New York. (MCZN).

18. *Callidium viridocyaneum* Linsley & Chemsak, 1963

Type locality - Holotype male: United States, South Dakota: Pine Ridge, Shannon County. (CASC). **Distribution** - United States (South Dakota).

Callidium viridocyaneum Linsley & Chemsak, 1963: 208; Linsley, 1964: 43; Ruetter, 1970: 18 (paratype); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 46 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Monné, M.A. & Hovore, 2006: 32 (cat.).

***Elatotrypes* Fisher, 1919**

Elatotrypes Fisher, 1919: 38; Bradley, 1930: 238; Arnett, 1962: 867, 886; Linsley, 1964: 72; Hatch, 1971: 111; Monné, M.A., 1993h: 56 (cat.); Monné, M.A. & Hovore, 2006: 33 (checklist);

Type-species - *Elatotrypes hoferi* Fisher, 1919 (original designation).

1. *Elatotrypes hoferi* Fisher, 1919

Type locality - Holotype female: United States, Colorado: El Paso County, Ute Pass. (USNM). **Distribution** - United States (Great Basin region from Colorado to east side of Sierra Nevada Mts.). **Host plants** - *Juniperus californica* Afonso-Carrillo (Cupressaceae), *Pinus flexilis* James, *P. ponderosa* Douglas ex Lawson & P. Lawson (Pinaceae).

Elatotrypes hoferi Fisher, 1919: 39 (hosts); Linsley, 1964: 73, fig. 23; Barr & Penrose, 1969: 90 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 62 (cat.); Monné, M.A., 1993h: 56 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 372 (hosts); Heffern, 1998: 14 (distr.); Monné, M.A. & Hovore, 2006: 33 (checklist); Lingafelter *et al.*, 2014: 76, fig. 82o (holotype); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 61, pl. 8

Xylocrius sp. Craighead, 1923: 49 (larva).

***Meriellum* LeConte, 1873**

Merium LeConte, 1873b: 296; Provancher, 1877: 578; LeConte & Horn, 1883: 281; Leng, 1884: 101; Wickham, 1897a: 85; Blatchley, 1910: 1019; Casey, 1912: 286; Bradley, 1930: 238; Chagnon, 1938: 260; Knull, 1946: 204; Chagnon & Robert, 1962: 254, 260.

Meriellum Linsley, 1957b: 287; Arnett, 1962: 867; Linsley, 1964: 25; Hatch, 1971: 111; Monné, M.A., 1993h: 41 (cat.); Monné, M.A. & Hovore, 2006: 34 (checklist);

Type-species - *Callidium (Merium) proteus* Kirby, 1837 (original designation).

1. *Meriellum proteus* (Kirby, 1837)

Syntypes locality - Syntypes: North America, latitude 45 degrees. (BMNH). **Distribution** - Quebec, Hudson Bay Territory, and northeastern United States to Yukon Territory and Alaska; southward into British Columbia, Colorado, and the Great Lakes region. **Host plants** - *Picea* sp., *Pinus ponderosa* Douglas ex Lawson & P. Lawson (Pinaceae).

Callidium (Merium) proteus Kirby, 1837: 172, pl. 5, fig. 5.

Callidium proteus; Haldeman, 1847a: 37; LeConte, 1859a: 234; Mannerheim, 1853: 247; White, 1855: 321; Bethune, 1872: 56.

Physocnemum proteus; LeConte, 1850b: 32.

Semanotus proteus; LeConte, 1857: 6, 23; Lacordaire, 1869: 48.

Phymatodes proteus; Pettit, 1871: 106.

Merium proteus; LeConte, 1873b: 296; Horn, 1876: 169 (syn.); Provancher, 1877: 589; LeConte & Horn, 1883: 281; Leng, 1884: 101; 1885: 35, pl. 1, fig. 15; Harrington, 1890: 185 (distr.); Hamilton, 1894c: 31 (distr.); Evans, 1895b: 173 (distr.); Chagnon, 1897: 15 (distr.); Wickham, 1897a: 108; 1897b: 156 (distr.); Fall, 1900: 460 (distr.); Joutel, 1906: 233 (distr.); Smith, 1910: 325; Blatchley, 1910: 1019; Casey, 1912: 286; Schaeffer, 1917: 183 (syn.); Chagnon, 1917: 231 (distr.); Britton, 1920: 269 (distr.); Craighead, 1923: 48, pl. 15, fig. 15, pl. 19, fig. 12 (larva); Fall, 1926: 202 (distr.); Kirk & Knull, 1926: 39 (distr.); Leonard, 1928: 444 (distr.); Beaulne, 1932: 201 (hosts); Chagnon, 1938: 260; Hatch, 1939: 49 (distr.); Knull, 1946: 207, pl. 14, fig. 56; Leech, 1947: 108; Chagnon & Robert, 1962: 260.

Meriellum proteus; Linsley, 1957b: 287; 1964: 25, fig. 11; Zup, 1967: 13 (biol.); Ross, 1968: 11 (biol.); Barr & Penrose, 1969: 92 (distr.); Hatch, 1971: 113, pl. 12, fig. 2; Gosling, 1973: 76 (distr.); Furniss & Carolin, 1977: 301 (biol.); Arnett, 1985: 365, fig. 24.194; Chemsak,

Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., 1993h: 41 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Yanega, 1996: 53, pl. 18, fig. 220; Linsley & Chemsak, 1997: 396 (hosts); Heffern, 1998: 14 (distr.); Monné, M.A. & Hovore, 2006: 34 (checklist); Lingafelter, 2007: 90, 147, 2 figs, pl. 21, fig. m (hosts); McCorquodale, 2010: 468 (distr.); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 52, pl. 7

Callidium (Merium) simile Kirby, 1837: 173.

Callidium similis; Haldeman, 1847a: 37; White, 1855: 321.

Physocnemum simile; LeConte, 1850b: 32.

Semanotus simile; Lacordaire, 1869: 48.

Phymatodes simile; Bethune, 1872: 93.

Type locality - Holotype: North America, latitude 65 degrees. (BMNH).

Merium bifossatum Casey, 1912: 287; Lingafelter *et al.* 2014: 29, fig. 29o (holotype).

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

***Phymatodes* Mulsant, 1839**

Phymatodes Mulsant, 1839: 47 (not Dejean); Thomson, 1861: 258; Mulsant, 1863: 92; Thomson, 1864: 265; 1865: 462; Lacordaire, 1869: 53; Chenu, 1870: 319; LeConte, 1873b: 296; Provancher, 1877: 578, 589; LeConte & Horn, 1883: 281; Leng, 1884: 61, 98; Bates, 1885: 293; Wickham, 1897a: 107; Blatchley, 1910: 1017; Casey, 1912: 275; Reitter, 1912: 38; Planet, 1924: 227; Portevin, 1927: 32; Bradley, 1930: 238; Plavilstshikov, 1934: 157, 202; Chagnon, 1938: 257; Plavilstshikov, 1940: 303; Knull, 1946: 209; Villiers, 1946: 87; Gressitt, 1951: 227; Heyrovsky, 1955: 201; Arnett, 1962: 867, 886; Chagnon & Robert, 1962: 254, 257; Linsley, 1964: 44; Hatch, 1971: 111; Monné, M.A., 1993h: 46 (cat.); Monné, M.A., 2005: 43 (cat.); Monné, M.A. & Hovore, 2006: 34 (checklist); Swift & Ray, 2010: 35 (nomencl.); Monné, M.A., 2012: 10; Bousquet, Laplante, Hammond & Langor, 2017: 55 (key spp.)

Type-species - *Cerambyx variabilis* Linnaeus, 1761 (subsequent designation, LeConte, 1850b: 32).

Poecilium Fairmaire in Jacquelin DuVal, 1864: 134; Thomson, 1864: 336; Planet, 1924: 224; Plavilstshikov, 1934: 218; 1940: 325; Gressitt, 1951: 227, 229; Heyrovsky, 1955: 208.

Phymatodes (Poecilium); Casey, 1912: 276; Reitter, 1912: 40.

Type-species - *Leptura alni* Linnaeus, 1767 (subsequent designation, Thomson, 1864: 336).

Phymatodes (Melasmetus) Reitter, 1912: 39; Plavilstshikov, 1934: 209; 1940: 312.

Type-species - *Phymatodes femoralis* Ménétries, 1832 (monotypy).

Phymatodes (Phymatoderus) Reitter, 1912: 39; Plavilstshikov, 1934: 210; 1940: 313; Heyrovsky, 1955: 204.

Type-species - *Callidium pusillum* Fabricius, 1786 (subsequent designation, Plavilstshikov, 1940: 313).

Phymatodes (Phymatodellus) Reitter, 1912: 40; Plavilstshikov, 1934: 214; 1940: 313; Gressitt, 1951: 227, 228; Heyrovsky, 1955: 207.

Type-species - *Callidium rufipes* Fabricius, 1776 (monotypy).

Phymatodina Casey, 1912: 281.

Type-species - *Phymatodes nitidus* LeConte, 1874 (subsequent designation, Linsley, 1964: 45).

Microcallidium Casey, 1912: 283.

Type-species - *Callidium amoenum* Say, 1824 (subsequent designation, Linsley, 1964: 45).

Pseudopoecilium Planet, 1924: 226.

Type-species - *Callidium rufipes* Fabricius, 1776 (monotypy).

Paraphymatodes Plavilstshikov, 1934: 215; 1940: 320; Gressitt, 1951: 227, 228; Heyrovsky, 1955: 207.

Type-species - *Callidium fasciatum* Villers, 1789 (original designation).

1. *Phymatodes aeneus* LeConte, 1854

Type locality - Holotype: United States, Oregon: between Fort Vancouver and Yokolt Plain. (MCZN). **Distribution** - Canada, United States (Pacific coast of North America from British Columbia to central coastal California (Monterey Co.)). **Host plants** - *Abies rubra* Bongard (Betulaceae) *Corylus californica* A. A. Heller (Corylaceae), *Castanopsis chrysophylla* (Douglas) A. de Candolle, *Lithocarpus densiflora* Rehder, *Quercus wislizenii* A. de Candolle (Fagaceae), *Pseudotsuga menziesii* (Mirbel) Franco, *Tsuga heterophylla* (Rafinesque) Sargent (Pinaceae).

Phymatodes aeneus LeConte, 1854b: 18; 1857: 23, 60 (distr.); Leng, 1884: 99; Fall, 1901: 144 (distr.); Garnett, 1918: 175 (distr., hosts); Essig, 1926: 456 (biol.); Hardy & Preece, 1927b: 65 (hosts); 1927: 190 (hosts); Hardy, 1927: 36, pl. 4, fig. 8; Beaulne, 1932: 201 (hosts); Leech, 1955: 40 (hosts); 1959: 44 (hosts); Linsley, 1964: 59; Hatch, 1971: 116; Deyrup, 1977: 182 (paras.); Furniss & Carolin, 1977: 203 (hosts); Cope, 1984a: 32 (hosts); Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., 1993h: 47 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Linsley & Chemsak, 1997: 417 (hosts); Swift & Ray, 2010: 36, 50, fig. 1; Monné, M.A. & Hovore, 2006: 34 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 58, pl. 7

Phymatodes (Poecilium) aeneus; Casey, 1912: 276.

2. *Phymatodes aereus* (Newman, 1838)

Type locality - North America. (BMNH). **Distribution** - Eastern Canada to Georgia and Iowa. **Host plants** - *Ostrya* sp. (Betulaceae), *Castanea sativa* Miller, *Quercus* sp. (Fagaceae).

Callidium aereum Newman, 1838: 393; White, 1855: 320; LeConte, 1873a: 172; Harrington, 1884: 72 (distr.); Leng, 1884: 112; Horn, 1885b: 5; Kilman, 1889: 135 (distr.); Packard, 1890: 354 (biol.); Chittenden, 1893: 248 (paras.); 1894: 96 (hosts); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 75 (hosts); Wickham, 1897a: 107; Smith, 1900: 287 (distr.); Ouellet, 1902: 122 (distr.); Ulke, 1903: 25 (distr.); Hopkins, 1904: 36 (biol.); Felt, 1906: 450 (biol.); Wickham, 1909a: 28 (distr.); Blatchley, 1910: 19; Smith, 1910: 326; Fisher & Kirk, 1912: 310 (distr.); Frost, 1915: 269 (distr.); Chagnon, 1917: 231 (distr.); Nicolay, 1919: 65 (distr.); Rohwer, 1921: 441 (paras.); Craighead, 1923: 44, pl.15, fig. 11, pl.19, fig. 9.

Phymatodes aereus; LeConte, 1850b: 33; Bland, 1861: 95; Britton, 1920: 269 (distr.); Kirk & Knull, 1926: 39 (distr.); Leonard, 1928: 445 (distr.); Brimley, 1938: 215 (distr.); Chagnon, 1938: 258; Townes, 1944: 73 (paras.); Knull, 1946: 210; Townes & Townes, 1960: 509 (paras.); Chagnon & Robert, 1962: 258; Linsley, 1964: 65; Gosling, 1973: 77 (biol., distr.); Laliberté, Chantal & LaRochelle, 1977: 96 (biol.); Turnbow & Franklin, 1980: 342 (distr.); Rice, 1981: 461 (distr.); Gosling, 1986: 257 (hosts); Chemsak, Linsley & Noguera, 1992: 63 (cat.); MacRae, 1993: 233 (distr.); Monné, M.A., 1993h: 47 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Yanega, 1996: 53, pl. 16, fig. 193; Krinsky & Godwin, 1996: 238; Linsley & Chemsak, 1997: 417 (hosts); Schiefer, 2001: 334 (distr.); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Sikes & Webster, 2005: 327 (distr.); Monné, M.A. & Hovore, 2006: 34 (checklist); Lingafelter, 2007: 80, 149, 2 figs, pl. 19, fig. e (hosts); Guarnieri, 2009: 17 (distr.); Swift & Ray, 2010: 36, 50, fig. 2; Majka, Migneault & Turgeon, 2010: 26, 1 fig.: Webster *et al.*, 2012: 312 (hosts, distr.); Holt, 2013: 246 (distr.); Webster, 2016: 487; Klingeman *et al.*, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 58

Phymatodes (Poecilium) aereus; Casey, 1912: 276.

Callidium pallipes Haldeman, 1847a: 37

Syntypes locality - Syntypes: Pennsylvania, New York. (MCZN).

3. *Phymatodes amoenus* (Say, 1824)

Syntypes locality - Syntypes: United States, Arkansas: river near the mountains (Depository unknown). **Distribution** - Eastern Canada and Atlantic states to Florida, Oklahoma, and Minnesota. **Host plants** - *Acer saccharum* Marshall (Aceraceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Quercus imbricaria* Michaux (Fagaceae), *Crataegus crus-galli* Linnaeus (Rosaceae), *Vitis labrusca* Linnaeus, *Vitis riparia* Michaux (Vitaceae).

Callidium amoenum Say, 1824: 413; Haldeman, 1847a: 37; LeConte, 1859c: 193; 1859d: 48 (distr.); Pettit, 1871: 106 (distr.); Packard, 1872: 713, pl. 15, fig. 3, fig. 665; Riley, 1872: 54 (biol.).

Phymatodes amoenus; LeConte, 1850b: 33; Bland, 1861: 95 (distr.); Popenoe, 1877: 33 (distr.); Riley, 1880: 238 (hosts); Packard, 1881: 27 (biol.); Leng, 1884: 99; Hamilton, 1886: 28 (hosts); Townsend, 1889: 233 (distr.); Smith, 1889: 290, figs 17-18 (larva); Packard, 1890: 75, fig. 24 (larva); Riley & Howard, 1890: 58 (paras.); Chittenden, 1890: 154; Smith, 1890: 139; Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 74 (hosts); Wickham, 1897a: 107; Luger, 1899: 195 (biol.); Smith, 1900: 286 (distr.); Dury, 1902: 158 (distr.); Ulke, 1903, 25, 50 (hosts, distr.); Chagnon, 1905: 36 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 325; Blatchley, 1910: 1018, fig. 428; Fisher & Kirk, 1912: 310 (distr.); Chagnon, 1917: 231 (distr.); Nicolay, 1919: 64 (distr.); Britton, 1920: 269 (distr.); Craighead, 1923: 46, pls. 9, 19 (larva); Fletcher, 1926: 143 (distr.); Kirk & Knull, 1926: 39 (distr.); Leonard, 1928: 445 (distr.); Frost & Dietrich, 1929: 436 (distr.); Park, 1931: 193; Beaulne, 1932: 201 (hosts); Chagnon, 1938: 258; Brimley, 1938: 215 (distr.); Knull, 1946: 209; Alexander, 1958: 49 (distr.); Dillon & Dillon, 1961: 595, pl. 58, No. 3; Chagnon & Robert, 1962: 258; Linsley, 1964: 55; Gosling, 1973: 77 (biol., distr.); Laliberté, Chantal & LaRochelle, 1977: 96 (hosts); Turnbow & Franklin, 1980: 342 (distr.); Gosling, 1984: 72 (hosts); Waters & Hyche, 1984: 86 (distr.); Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., 1993h: 47 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); MacRae, 1993: 233; Yanega, 1996: 53, pl. 16, fig. 189; Krinsky & Godwin, 1996: 238; Linsley & Chemsak, 1997: 417 (hosts); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 118 (distr.); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Monné, M.A. & Hovore, 2006: 34 (checklist); Lingafelter, 2007: 83, 149, 2 figs, pl. 20, fig. a (hosts); Swift & Ray, 2010: 41, 50, figs. 3,4; Holt, 2013: 246 (hosts., distr.); Steury & MacRae, 2014: 11 (distr.); Webster *et al.* 2016: 113 (distr., hosts); Webster, 2016: 487; Bousquet, Laplante, Hammond & Langor, 2017: 58, pl.7

Phymatodes (Microcallidium) amoenus; Casey, 1912: 284.

Eriphus coccineicollis Haldeman, 1847a: 39.

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

Phymatodes (Microcallidium) amoenus hudsonicus Casey, 1912: 284; Lingafelter *et al.*, 2014: 14, 369, fig. 14e (lectotype).

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

4. *Phymatodes ater* LeConte, 1884

Type locality - Holotype female: United States, New York: Buffalo. (MCZN). **Distribution** - Canada (Nova Scotia) to Pennsylvania. **Host plants** - *Quercus stellata*, (Fagaceae).

Phymatodes ater LeConte, 1884: 22; Leng, 1884: 99; Wenzel, 1906: 267 (distr.); Smith, 1910: 325; Van Dyke, 1920: 36 (distr.); Kirk & Knull, 1926: 29 (distr.); Leonard, 1928: 445 (distr.); Knull, 1946: 211; Linsley, 1964: 55; Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., 1993h: 48 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Yanega, 1996: 53, pl. 16, fig. 194; Linsley & Chemsak, 1997: 417 (hosts); Monné, M.A. & Hovore, 2006: 34 (checklist); McCorquodale, 2010: 468 (distr.); Swift & Ray, 2010: 41, 49, 50, figs 5, 6; Bousquet, Laplante, Hammond & Langor, 2017: 58

Phymatodes (Poecilium) ? ater; Casey, 1912: 281.

5. *Phymatodes blandus* LeConte, 1859

Type locality - Holotype: United States, California: Tejon. (MCZN). **Distribution** - United States (Coastal central and northern California and south Oregon). **Host plants** - *Populus trichocarpa* Torrey & A. Gray, *Salix* sp. (Salicaceae).

Callidium blandum LeConte, 1859b: 79.

Phymatodes blandus Leng, 1884: 99; Smith, 1900: 286 (distr.); Fall, 1901: 143; Garnett, 1918: 174 (distr.); Essig, 1926: 455 (biol.); Davis, 1932: 85 (distr.); Linsley, 1964: 57; Furniss & Carolin, 1977: 303 (hosts); Chemsak, Linsley & Noguera, 1992: 63 (cat.); Linsley & Chemsak, 1997: 417 (hosts); Swift & Ray, 2010: 41, 50, fig. 7 (syn.).

Phymatodes blandus blandus; Linsley, 1964: 58; Hatch, 1971: 115; Hovore & Giesbert, 1976: 356 (hosts); Monné, M.A., 1993h: 48 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Heffern, 1998: 14 (distr.); Monné, M.A. & Hovore, 2006: 34 (checklist);

Phymatodes (Microcallidium) blandus; Casey, 1912: 284.

Phymatodes blandus picipes Linsley, 1934a: 165; 1964: 58; Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., 1993h: 48 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Monné, M.A. & Hovore, 2006: 33 (checklist);

Type locality - Holotype male: United States, California: Yosemite Valley. (CASC).

Phymatodes blandus propinquus Linsley, 1934b: 181; 1964: 58; Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., 1993h: 48 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Monné, M.A. & Hovore, 2006: 33 (checklist);

Type locality - Holotype female: United States, California: Orange County, Santa Ana Canyon. (CASC).

6. *Phymatodes concolor* Linsley, 1934

Type locality - Holotype male: United States, California: Inyo County, Big Pine. (CASC).

Distribution - Canada, United States (East side of southern Sierra Nevada Mts., base of San Bernardino Mts.).

Phymatodes concolor Linsley, 1934b: 181; Swift & Ray, 2010: 42, 50, fig. 8; Bousquet, Laplante, Hammond & Langor, 2017: 58

Phymatodes blandus concolor; Linsley, 1964: 58; Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., 1993h: 48 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Monné, M.A. & Hovore, 2006: 34 (checklist);

7. *Phymatodes decussatus* (LeConte, 1857)

Type locality - Holotype: United States, California: Sacramento. (MCZN). **Distribution** - Canada, United States, Mexico (From British Columbia to northern Baja California). **Host plants** - *Quercus agrifolia* Née, *Q. douglasii* Hooker & Arnott, *Q. engelmanni* Greene, *Q. garryana* Douglas, *Q. john-tuckeri* K.C. Nixon & C.H. Muller, *Q. lobata* Née, *Q. wislizenii* A. de Candolle (Fagaceae), *Juglans californica* S. Watson, *J. regia* Linnaeus (Juglandaceae), *Prunus* sp. (Rosaceae), *Salix* sp. (Salicaceae).

Callidium decussatum LeConte, 1857: 61

Phymatodes decussatus; Leng, 1884: 101; 1885: 35, pl. 1, fig. 14; Harrington, 1899: 108 (distr.); Fall, 1901: 143 (distr.); Garnett, 1918: 175 (distr.); Van Dyke, 1920: 35 (distr., hosts); Craighead, 1923: 46 (larva); Essig, 1926: 456 (biol.); Hardy & Preece, 1927a: 191 (distr.); Beaulne, 1932: 201 (hosts); Doane *et al.*, 1936: 182 (hosts); Moore, 1937: 90 (distr.); Linsley, 1940b: 369 (mimetic.); De Leon, 1952: 81 (hosts); Keen, 1952: 176 (hosts); Linsley, 1964: 48, fig. 17; Tyson, 1966: 205 (hosts); Furniss & Carolin, 1977: 303 (hosts); Chemsak, Linsley & Noguera, 1992: 63 (cat.); Swift & Ray, 2010: 42, 49, figs 9, 36, 37; Gimmel *et al.*, 2023: 249 (distr.)

Phymatodes decussatus decussatus; Linsley, 1964: 50; Chemsak, 1965a: 71 (biol.); Hatch, 1971: 115; Hovore & Giesbert, 1976: 356 (hosts); Monné, M.A. 1993h: 50 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Linsley & Chemsak, 1997: 417 (hosts); Monné, M.A. & Hovore, 2006: 34 (checklist); Swift, 2008a: 3 (syn., hosts).

Phymatodes (Poecilium) decussatus; Casey, 1912: 279.

Phymatodes juglandis Leng, 1890: 214 (hosts); Coquillett, 1892: 261 (biol.); Leng & Hamilton 1896: 166 (distr.); Fall, 1897: 238 (distr.); Fall, 1901: 143 (distr.); Garnett, 1918: 175 (distr.); Barrett, 1932: 291 (hosts); Linsley, 1964: 52 (syn.); Tyson, 1966: 205 (hosts); Hatch, 1971: 115; Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A. 1993h: 50 (cat.); Linsley & Chemsak, 1997: 418 (hosts); Monné, M.A. & Hovore, 2006: 33 (checklist);

Phymatodes (Poecilium) juglandis; Casey, 1912: 281.

Syntypes locality - Syntypes male and female; United States, California: Los Angeles. (Public Museum of Staten Island).

Phymatodes fasciapilosus Van Dyke, 1920: 33

Type locality - Holotype male: United States, Oregon: Rogue River Valley. (CASC).

8. *Phymatodes dimidiatus* (Kirby, 1837)

Syntypes locality - Syntypes: Canada latitude 54. (BMNH). **Distribution** - Pacific coast of North America from Alaska to northern California and eastward to Lake Superior. Introduced in Argentina (Buenos Aires). **Host plants** - *Larix laricina* (Duroi) K. Koch, *Picea* sp., *Pinus resinosa* Aiton, *Pseudotsuga menziesii* (Mirbel) Franco, *Tsuga* sp. (Pinaceae).

Callidium (Merium) dimidiatum Kirby, 1837: 173.

Callidium dimidiatum; Mannerheim, 1846: 515; Haldeman, 1847a: 37; LeConte, 1850a: 234; White, 1855: 320; LeConte, 1869: 371 (distr.)

Phymatodes dimidiatus; LeConte, 1850b: 33; Bethune, 1872: 93 (syn.); Horn, 1876: 169; Snow, 1877: 19 (distr.); Provancher, 1877: 589; LeConte, 1879: 505 (distr.); Leng, 1884: 99; 1885c: 35, pl. 1, fig. 11; Snow, 1885: 68 (distr.); Townsend, 1889: 233 (distr.); Harrington, 1890: 185 (distr.); Davis, 1891: 65 (biol.); 1892: 81 (biol.); Hopkins, 1893: 192 (biol.); Hamilton, 1894c: 31 (distr.); 1895: 338 (distr.); Slosson, 1895b: 319 (distr.); Evans, 1895b: 173 (distr.); Chagnon, 1897: 24 (distr.); Wickham, 1897a: 107; Smith, 1900: 287 (distr.); MacGillivray & Houghton, 1902: 252 (distr.); Snow, 1906b: 179 (distr.); Fall & Cockerell, 1907: 191 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 325; Blatchley, 1910: 1017 (distr.); Dow, 1913: 79; Chagnon, 1917: 231 (distr.); Garnett, 1918: 175 (distr., hosts); Blackman & Stage, 1918: 64 (biol.); Nicolay, 1919: 64 (distr.); Morris, 1920b: 14 (biol.); Britton, 1920: 269 (distr.); Craighead, 1923: 46 (larva); Fall, 1926: 202 (distr.); Hardy, 1926: 31, pl. 4, fig. 21; Kirk & Knull, 1926: 39 (distr.); Essig, 1926: 456 (distr.); Procter, 1927: 112 (distr.); Leonard, 1928: 445 (distr.); Spencer, 1930: 6 (biol.); Knowlton, 1930: 76 (distr.); Beaulne, 1932: 201 (hosts); Mank, 1934: 80 (distr.); Easterling, 1934: 140 (hosts); Doane *et al.*, 1936: 182; Chagnon, 1938: 257, pl. 17, fig. 4; Bedard, 1938: 193 (hosts); Chagnon, 1939: 86 (distr.); Leech, 1944: 211 (biol.); Townes, 1944: 773 (paras.); Knull, 1946: 210; Procter, 1946: 180 (biol.); Knowlton & Wood, 1950: 12 (distr.); Keen, 1952: 176 (hosts); Dillon & Dillon, 1961: 595, pl. 58, No. 1; Chagnon & Robert, 1962: 257, pl. 17, fig. 4; Linsley, 1964: 61; Hatch, 1971: 117; Gosling, 1973: 77 (biol., distr.); Laliberté, Chantal & LaRoche, 1977: 96; Furniss & Carolin, 1977: 303 (hosts); Gosling, 1986: 157 (hosts); Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., 1993h: 49 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Yanega, 1996: 118, pl. 16, fig. 195; Linsley & Chemsak, 1997: 417 (hosts); Heffern, 1998: 14 (distr.); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Di Iorio, 2004d: 675 (distr.); Monné, M.A. & Hovore, 2006: 34 (checklist); Majka, McCorquodale & Smith, 2007: 261 (distr.); McCorquodale, 2010: 468 (distr.); Swift & Ray, 2010: 42, 50, figs. 10-11 (syn.); Webster, 2016: 487; Haack, 2017: 122 (biol.); Rice, MacRae & Merickel, 2017: 670 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 58, pl. 7

Phymatodes Kalmi var. *dimidiatus*; Aurivillius, 1912: 350 (cat.).

Phymatodes (Poecilium) dimidiatus; Casey, 1912: 277.

Cerambyx bajulus Linnaeus, 1764: 76 (preoccupied, not Linnaeus, 1758).(UZIU).

Syntypes locality - Syntypes: Canada. (UZIU).

Callidium Kalmii Schoenherr, 1817: 442 (*nom. nov.*).

Type locality - Holotype: Canada. (NHRS).

Clytus palliatus Haldeman, 1847a: 41

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

Callidium Mannerheimii LeConte, 1857: 60.

Phymatodes Kalmi var. *Mannerheimii*; Aurivillius, 1912: 350 (cat.).

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

Phymatodes frosti Casey, 1924: 240; Lingafelter *et al.*, 2014: 66, 369, fig. 71k (lectotype).

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

9. *Phymatodes fulgidus* Hopping, 1928

Type locality - Holotype: Canada, British Columbia: Lorna. (CNCI). **Distribution** - Canada (British Columbia). United States (Washington). **Host plants** - *Abies* sp. (Pinaceae).

Phymatodes fulgidus Hopping, 1928b: 246; Linsley, 1964: 61; Ruetter, 1970: 21 (holotype); Hatch, 1971: 116; Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., 1993h: 50 (cat.); Monné, M.A. & Hovore, 2006: 34 (checklist); Swift & Ray, 2010: 43, 50, fig. 12; Wappes & Santos-Silva, 2019: 2 (syn.).

Phymatodes rainieri Van Dyke, 1937: 113; Linsley, 1964: 60; Hatch, 1971: 116; Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A., 1993h: 52 (cat.); Monné, M.A., & Giesbert, 1994: 106 (checklist); Linsley & Chemsak, 1997: 419 (hosts); Swift & Ray 2010: 47, 50, fig. 28; Bousquet, Laplante, Hammond & Langor, 2017: 58

Type locality - Holotype: United States: Washington: Rainier National Park, Sunrise Park. (CASC).

10. *Phymatodes grandis* Casey, 1912

Type locality - Holotype male: United States, California: San Diego. (USNM). **Distribution** - Pacific coast of North America from British Columbia to southern California, Mexico (Baja California). **Host plants** - *Lithocarpus densiflora* Rehder, *Quercus agrifolia* Née, *Q. douglasii* Hooker & Arnott, *Q. garryana* Douglas, *Q. lobata* Née, *Q. wislizenii* A. de Candolle (Fagaceae).

Phymatodes (Poecilium) grandis Casey, 1912: 277; Swift & Ray, 2010: 43, fig. 13 (syn.); Vlasák, 2014: 318 (hosts); Lingafelter *et al.*, 2014: 71, figs 76m, n (holotype); Bousquet, Laplante, Hammond & Langor, 2017: 58, pl.7; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 464 ; Gimmel *et al.*, 2023: 248 (distr.)

Phymatodes lecontei Linsley, 1938: 109 (*nom. nov. pro Callidium obscurum* LeConte, 1859, not Fabricius, 1787); Hardy, 1950: 86 (hosts); Linsley, 1964: 61; Tyson, 1966: 205 (hosts); Hatch, 1971: 117; Hovore, 1988: 13 (distr.); Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 418 (hosts); Monné, M.A., 2001a: 21 (cat. hosts); Monné, M.A., 2005: 44 (cat.); Monné, M.A. & Hovore, 2006: 33 (checklist); Hanks *et al.*, 2007: 889 (pherom.)

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

Callidium obscurum LeConte, 1859b: 79.

Phymatodes obscurus; Leng, 1884: 99, 100; Blaisdell, 1892: 34 (biol.); Beutenmuller, 1896: 74 (hosts); Fall, 1901: 143; Garnett, 1918: 175 (distr.); Essig, 1926: 456 (biol.); Hardy, 1927: C36, pl. 4, fig. 4; Davis, 1932: 85 (distr.); Doane *et al.*, 1936: 182 (biol.); Moore, 1937: 90 (distr.); Hardy, 1944: 17 (distr., hosts).

Phymatodes (Poecilium) obscurus; Casey, 1912: 277.

11. *Phymatodes hardyi* Van Dyke, 1928

Type locality - Holotype: Canada, British Columbia: Gordon Head, (CASC). **Distribution** - Canada. **Host plants** - *Pseudotsuga menziesii* (Mirbel) Franco, *P. taxifolia* (Poiret) Britton (Pinaceae).

Callidium hardyi Van Dyke, 1928a: 112; Brown, 1929: 114; Hardy, 1944: 17 (distr.)

Phymatodes hardyi; Linsley, 1940a: 253; Keen, 1952: 58 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 59

12. *Phymatodes hirtellus* (LeConte, 1873)

Syntypes locality - Syntypes: United States, Nevada. (MCZN). **Distribution** - United States (Coast ranges of Oregon and California and western slopes of Sierra Nevada Mts.), Mexico (Baja California). **Host plants** - *Pinus balfouriana* (Jeffrey) ex A. Murray, *P. edulis* Engelhorn, *P. jeffreyi* Balfour, *P. ponderosa* Douglas ex Lawson & P. Lawson, *P. sabiniana* Douglas ex D. Don (Pinaceae).

Callidium hirtellum LeConte, 1873a: 172; Snow, 1878b: 75 (distr.); 1883: 42 (distr.); Lameere, 1883: 39(cat.); Leng, 1884: 112, 113; 1885c: pl. 1, fig. 17; Fall, 1901: 144 (distr.); Snow, 1906b: 179 (distr.); Fall & Cockerell, 1907: 191 (distr.); Gibson, 1917: 150 (distr.); Garnett,

1918: 176 (distr.); Craighead, 1923: 45(larva); Essig, 1926: 455 (biol.); Doane *et al.*, 1936: 182; Lange, 1937: 174 (hosts).
Phymatodes hirtellus; Keen, 1952: 48 (hosts); Linsley, 1964: 65; Hatch, 1971: 116; Chemsak, Linsley & Noguera, 1992: 63 (cat.); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 418 (hosts); Monné, M.A., 2001a: 20 (cat. hosts); Swift & Ray, 2010: 43, figs 14-16 (syn); Haack, 2017: 113 (hosts); Rice, MacRae & Merickel, 2017: 670 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 464 ;
Phymatodes hirtellus hirtellus; Linsley, 1964: 66; Hovore, 1988: 12 (distr.); Monné, M.A., 1993h: 50 (cat.); Monné, M.A., 2005: 44 (cat.); Monné, M.A. & Hovore, 2006: 34 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 59, pl. 7
Phymatodes (Microcallidium) densipennis Casey, 1912: 284; Lingafelter *et al.*, 2014: 52, figs 55i, j (lect. designation).
Phymatodes hirtellus densipennis; Kirk & Balsbaugh, 1975: 98; Lewis, 1979: 24 (distr., biol.); Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A. & Hovore, 2006: 33 (checklist);
Type locality - Lectotype: United States, New Mexico. (USNM).
Phymatodes ursae Knull, 1940: 556; Linsley, 1964: 59, fig. 19; Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A. & Hovore, 2006: 34 (checklist);
Type locality - Holotype: United States, Yellowstone National Park. (FMNH).

13. *Phymatodes huetheri* Wappes & Santos-Silva, 2019

Type locality - Holotype male: United States, New York: Whiteface Mountain (Essex County; Mt. Topping). (FSCA). **Distribution** - United States (New York). Canada (Alberta, Ontario);
Phymatodes (Phymatodes) huetheri Wappes & Santos-Silva, 2019: 2, figs 1-14.

14. *Phymatodes infuscatus* (LeConte, 1859)

Type locality - Holotype: United States, California: Punto de los Reyes. (MCZN).
Distribution United States (Oregon to central California). **Host plants** - *Lithocarpus densiflora* Rehder, *Quercus lobata* Née (Fagaceae).
Callidium infuscatum LeConte, 1859a: 285, 291.
Phymatodes infuscatus; Leng, 1884: 99; Smith, 1900: 286 (distr.); Linsley, 1964: 64; Hatch, 1971: 117; Cope, 1984a: 32 (hosts); Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., 1993h: 50 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Linsley & Chemsak, 1997: 418 (hosts); Monné, M.A. & Hovore, 2006: 34 (checklist); Swift & Ray, 2010: 44, 50, fig. 17.
Phymatodes (Poecilium) infuscatus; Casey, 1912: 276.
Phymatodes testaceus ab. *infuscatus*; Aurivillius, 1912: 353 (cat.).

15. *Phymatodes lengi* Joutel 1911

Syntypes locality - Syntypes female: United States, New Jersey: Palisades. (USNM).
Distribution - Atlantic coast from New York to North Carolina, west to Ohio.
Phymatodes Lengi Joutel, 1911: 200.
Phymatodes lengi; Nicolay, 1919: 64 (distr.); Kirk & Knull, 1926: 39 (distr.); Leonard, 1928: 445 (distr.); Linsley, 1964: 57; Chemsak, Linsley & Noguera, 1992: 63; Monné, M.A., 1993h: 51 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Yanega, 1996: 118, pl. 16, fig. 190; Schiefer, 1998: 119 (distr.); Monné, M.A. & Hovore, 2006: 35 (checklist); Lingafelter, 2007: 83, 149, 2 figs, pl. 20, fig. b; Swift & Ray, 2010: 44, 50, figs 18, 19; Lingafelter *et al.*, 2014: 88, fig. 96w (syntype).

16. *Phymatodes maculicollis* LeConte, 1878

Type locality - Holotype: United States, Michigan: Lake Superior, Isle Royale. (MCZN).
Distribution - Canada from Lake Superior to British Columbia, Pacific coast to central coastal California. **Host plants** - *Abies bracteata* (D. Don) Poiteau, *A. concolor* Gordon & Glen, *A. lasiocarpa* Hooker, *A. venusta* (Douglas) K. Koch, *Picea engelmanni* Engelm., *Pseudotsuga menziesii* (Mirbel) Franco, *P. taxifolia* (Poiret) Britton (Pinaceae).

Phymatodes maculicollis LeConte, 1878a: 614; 1879: 505 (distr.); Lameere, 1883: 35 (cat.); Leng, 1884: 99, 100; Wickham, 1897a: 107; Chagnon, 1905: 36; 1917: 231 (distr.); Knowlton & Wood, 1950: 12 (distr.); Linsley, 1964: 67 (syn); Tyson, 1966: 206 (hosts); Hatch, 1971: 116; Gosling, 1973: 77 (distr.); Chantal, 1975: 853 (distr.); Deyrup, 1977: 182 (paras.); Laliberté, Chantal & LaRoche, 1977: 96 (biol.); Furniss & Carolin, 1977: 303 (hosts); Cope, 1984: 32 (hosts); Chemsak, Linsley & Noguera, 1992: 63 (cat.); Monné, M.A., 1993h: 51 (cat.); Monné, M.A., & Giesbert, 1994: 107 (checklist); Yanega, 1996: 118, pl. 16, fig. 192; Linsley & Chemsak, 1997: 418; Heffern, 1998: 14 (distr.); Monné, M.A. & Hovore, 2006: 35 (checklist); McCorquodale, 2010: 468 (distr.); Swift & Ray, 2010: 44, 50, fig. 21; Webster, 2016: 487; Webster *et al.*, 2012: 313 (distr.); Rice, MacRae & Merickel, 2017: 670 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 59, pl. 7

Phymatodes (Poecilium) ? maculicollis; Casey, 1912: 281

Phymatodes elongatus Hopping, 1935: 8; Ruetze, 1970: 21 (types)

Type locality - Holotype female: Canada, British Columbia: Stanley. (CNCI).

17. *Phymatodes nigerrimus* Van Dyke, 1920

Type locality - Holotype: United States, California: Trinity County, Carrville. (CASC).

Distribution - United States (California: Sierra Nevada Mts. south to Kern Co., northern Coast Ranges). **Host plants** - *Abies concolor* Gordon & Glen, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Phymatodes nigerrimus Van Dyke, 1920: 35; Linsley, 1964: 62; Cope, 1984a: 33 (hosts); Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A. 1993h: 51 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Linsley & Chemsak, 1997: 418 (hosts); Monné, M.A. & Hovore, 2006: 35 (checklist); Swift & Ray, 2010: 45, 50, fig. 22; Rice, MacRae & Merickel, 2017: 670 (distr.).

18. *Phymatodes nigrescens* Hardy & Preece, 1927

Type locality - Holotype male: Canada, British Columbia: Sydney. (CNCI). **Distribution** - Canada, United States (British Columbia, Oregon). **Host plants** - *Alnus rhombifolia* Nuttall, *A. rubra* Bongard (Betulaceae).

Phymatodes vulneratus var. *nigrescens* Hardy & Preece, 1927b: 190; Criddle, 1928: 97 (distr.); Ruetze, 1970: 21 (types); Hatch, 1971: 114.

Phymatodes nigrescens; Swift & Ray, 2010: 45, 49, figs. 23, 24 (syn.); Bousquet, Laplante, Hammond & Langor, 2017: 59, pl. 7

Phymatodes oregonensis Chemsak, 1963: 39; Linsley, 1964: 56; Hatch, 1971: 114; Turnbow, 1984: 67 (hosts); Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A., 1993h: 52 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Monné, M.A. & Hovore, 2006: 34 (checklist);

Type locality - Holotype male: United States, Oregon: Josephine County, Grave Creek (CASC).

19. *Phymatodes nitidus* LeConte, 1874

Syntypes locality - Syntypes: United States, California. (MCZN). **Distribution** - Pacific coast of North America from British Columbia southward; California: throughout the distribution of Cupressaceae. **Host plants** - *Calocedrus decurrens* (Torrey) Florin, *Cupressus goveniana* Gordon, *C. macrocarpa* Hartweg ex Gordon, *Juniperus californica* Afonso-Carrillo, *Thuja plicata* Donn ex D. Don (Cupressaceae), *Abies* sp. (Pinaceae), *Cryptomeria* sp., *Sequoia sempervirens* (D. Don) Endlicher, *Sequoiadendron giganteum* (Lindley) Buchholz (Taxodiaceae).

Phymatodes nitidus LeConte, 1874: 66; Lameere, 1883: 35 (cat.); Leng, 1884: 99; 1885: 35, pl. 1, fig. 14; Harrington, 1899: 108 (distr.); Fall, 1901: 144 (distr.); Garnett, 1918: 175 (distr., hosts); Van Dyke, 1920: 34 (hosts); Craighead, 1923: 45 (larva); Essig, 1926: 456 (hosts); Hardy, 1926: 32, pl. 4, fig. 5; Beaulne, 1932: 201 (hosts); Hopping, 1935: 9 (distr.); Doane *et al.*, 1936: 182, fig. 90 (biol.); Tilden, 1945: 30 (hosts); DeLeon, 1952: 81, 87 (hosts); Keen,

1952: 24, 176 (hosts); Chemsak, 1958: 41 (hosts); Chemsak & Powell, 1964: 122 (hosts); Linsley, 1964: 53, fig. 18; Tyson, 1966: 206 (hosts); Hatch, 1971: 115, pl. 12, fig. 9; Deyrup, 1977: 182 (paras.); Furniss & Carolin, 1977: 303 (hosts); Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A. 1993h: 52 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Linsley & Chemsak, 1997: 418 (hosts); Monné, M.A. & Hovore, 2006: 35 (checklist); Swift & Ray, 2010: 46, 50, fig. 25 (syn.); Bouchard, 2014: 524 (hosts); Haack, 2017: 114; Rice, MacRae & Merickel, 2017: 670 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 60, pl. 7

Phymatodes (Phymatodina) nitidus; Casey, 1912: 282.

Phymatodes (Phymatodina) crucialis Casey, 1912: 282; Lingafelter *et al.*, 2014: 48, fig. 50u (holotype).

Type locality - Holotype male: United States, California: Santa Cruz Mountains. (USNM).

Phymatodes (Phymatodina) elegans Casey, 1912: 282; Lingafelter *et al.*, 2014: 56, fig. 60e (holotype).

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

Phymatodes (Phymatodina) exilis Casey, 1912: 283; Lingafelter *et al.*, 2014: 59, fig. 62s (holotype).

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

Phymatodes (Phymatodina) collaris Casey, 1924: 240; Lingafelter *et al.*, 2014: 42, fig. 44e (holotype).

Type locality - Holotype female: United States, California: Humboldt County. (USNM).

Phymatodes mohavensis Linsley & Chemsak, 1963: 210; Linsley, 1964: 54; Ruetter, 1970: 21 (types); Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A. 1993h: 51 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Linsley & Chemsak, 1997: 418 (hosts); Monné, M.A. & Hovore, 2006: 35 (checklist);

Type locality - Holotype male: United States, California: Kern County, Mojave. (CNCI).

20. *Phymatodes obliquus* Casey, 1891

Type locality - Holotype: United States, California: Santa Clara County (USNM).

Distribution - Canada (British Columbia), United States (California), Mexico (Baja California). **Host plants** - *Lithocarpus densiflora* Rehder, *Quercus kelloggii* Newberry (Fagaceae).

Phymatodes obliquus Casey, 1891: 26; Hamilton, 1896: 166 (distr.); Fall, 1901: 144 (distr.); Swift & Ray, 2010: 46, 49, figs 26, 27 (syn.); Lingafelter *et al.*, 2014: 109, figs 120o, p (holotype); Bousquet, Laplante, Hammond & Langor, 2017: 60, pl. 8; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 464 ;

Phymatodes (Poecilium) obliquus; Casey, 1912: 279.

Phymatodes decussatus var. *obliquus*; Hardy & Preece, 1926: 38; 1927: 191 (distr.); Hardy, 1942: 11 (distr.); Hatch, 1971: 115 (distr.).

Phymatodes (Poecilium) harfordi Casey, 1912: 279; Lingafelter *et al.*, 2014: 74, figs 80a, b (lect. designation).

Type locality - Lectotype: United States, California: Santa Clara County. (USNM).

Phymatodes decussatus var. *posticus* Van Dyke, 1920: 36.

Phymatodes decussatus posticus; Linsley, 1964: 51; Chemsak, Linsley & Noguera, 1992: 63 (distr.); Linsley & Chemsak, 1997: 419; Monné, M.A. & Hovore, 2006: 33 (checklist);

Type locality - Holotype male: United States, California: Tulare County, Camp Nelson. (CASC).

Phymatodes decussatus var. *latifasciatus* Hardy & Preece, 1927b: 191; Ruetter, 1970: 21.

Type locality - Holotype male: Canada, British Columbia: Vancouver Island, Mt. Tolmie (CNCI).

Phymatodes decussatus australis Chemsak, 1963a: 40; Linsley, 1964: 51; Chemsak, Linsley & Noguera, 1992: 63 (cat.); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 417 (hosts); Monné, M.A., 2001a: 20 (cat. hosts); Monné, M.A., 2005: 44 (cat.); Monné, M.A. & Hovore, 2006: 33 (checklist);

Type locality - Holotype male: Mexico, Baja California: Ensenada. (CASC).

21. *Phymatodes shareeae* Cope, 1984

Type locality - Holotype male: United States, New Mexico: 9 miles SouthWest of Coyote, Nacimiento Mountains, Rio Arriba County. (CASC). **Distribution** - United States (New Mexico). **Host plants** - *Acer glabrum* Torrey (Aceraceae).

Phymatodes shareeae Cope, 1984b: 63; Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Monné, M.A. & Hovore, 2006: 34 (checklist); Swift & Ray, 2010: 47, 49, fig. 29.

22. *Phymatodes testaceus* (Linnaeus, 1758)

Syntypes locality - Syntypes: Sweden. (UZI). **Distribution** - Europe, North Africa and eastern North America (eastern Canada to Florida, Minnesota, and Iowa). **Host plants** - *Acer mono* Maximowicz, *A. rufinerve* Siebold & Zuccarini (Aceraceae), *Alnus hirsuta* Turczaninow (Betulaceae), *Sambucus* sp. (Caprifoliaceae), *Clethra barbinervis* Siebold & Zuccarini (Clethraceae), *Carpinus betulus* Linnaeus, *Corylus avellana* Linnaeus (Corylaceae), *Castanea crenata* Siebold & Zuccarini, *C. sativa* Miller, *Fagus crenata* Blume, *F. ferruginea* Aiton, *F. sylvatica* Linnaeus, *Quercus acutissima* Carruthers, *Q. alba* Linnaeus, *Q. cerris* Linnaeus, *Q. dentata* Thunberg, *Q. faginea* Lamarck, *Q. ilex* Linnaeus, *Q. infectoria* Oliver, *Q. ithaburensis* Decaisne, *Q. mirbeckii* Durand, *Q. mongolica* var. *crispula* (Blume) H. Ohashi, *Q. robur* Linnaeus, *Q. rubra* Linnaeus, *Q. serrata* Thunberg, *Q. variabilis* Blume (Fagaceae), *Aesculus turbinata* Blume (Hippocastaneaceae), *Carya glabra* (Miller) Sweet (Juglandaceae), *Tilia japonica* (Miquel) Simonkai (Malvaceae), *Fraxinus excelsior* Linnaeus (Oleaceae), *Abies concolor* Gordon & Glen, *Picea orientalis* Carrière, *Pinus contorta* Douglas ex Loudon, *P. rigida* Miller, *P. strobus* Linnaeus, *Tsuga canadensis* (Linnaeus) Carrière (Pinaceae), *Rhamnus davurica* subsp. *nipponica* (Makino) Kartesz & Gandhi (Rhamnaceae), *Malus sylvestris* Miller, *M. toringo* K. Koch, *Prunus jamasakura* Siebold ex Koidzumi, *Sorbus* sp. (Rosaceae), *Salix* sp. (Salicaceae), *Ulmus* sp. (Ulmaceae).

Cerambyx testaceus Linnaeus, 1758: 396; 1767; 635.

Callidium testaceum; Fabricius, 1775: 190; 1787: 153; 1801: 341.

Cerambyx (*Callidium*) *testaceum*; Gmelin, 1790: 1850 (hosts).

Phymatodes testaceus; Mulsant, 1839: 50; Hamilton, 1894b: 395; Kirk & Knull, 1926: 39; Brues, 1927: 77; Leonard, 1928: 445 (distr.); Frost & Dietrich, 1929: 436 (distr.); Knull, 1934b: 210 (hosts); Chagnon, 1938: 258; Loding, 1945: 119 (distr.); Knull, 1946: 210; Craighead, 1950: 259; Duffy, 1953: 217, figs 195, 196, pl. 6, fig. 27 (larva); Townes & Townes, 1960: 509 (paras.); Dillon & Dillon, 1961: 595, pl. 58, No. 14; Chagnon & Robert, 1962: 258; Linsley, 1964: 63; Baker, 1972: 197; Lampert, 1973: 53 (biol.); Gosling, 1973: 77 (biol., distr.); Perry, 1975: 59 (hosts); Laliberté, Chantal & LaRoche, 1977: 96 (biol.); Turnbow & Franklin, 1980: 342 (distr.); Cope, 1984a: 33 (distr., hosts); Gosling, 1984: 72 (hosts); 1986: 157 (hosts); Chemsak, Linsley & Noguera, 1992: 64 (cat.); MacRae, 1993: 233 (distr.); Monné, M.A., 1993h: 52 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Yanega, 1996: 118, pl. 16, figs 188a,b; Linsley & Chemsak, 1997: 419 (hosts); Peck & Thomas, 1998: 119 (distr.); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Sikes & Webster, 2005: 327 (distr.); Monné, M.A. & Hovore, 2006: 35 (checklist); Lingafelter, 2007: 83, 149, 2 figs, pl. 19, fig. d (hosts); Webster, McCorquodale & Majka, 2009: 297 (distr.); Guarnieri, 2009: 17 (distr.); McCorquodale, 2010: 468 (distr.); Swift & Ray, 2010: 48, 50, fig. 30; Webster *et al.*, 2012: 314; Holt, 2013: 246 (distr.); Steury & MacRae, 2014: 11 (distr.); Webster, 2016: 487; Webster *et al.*, 2016: 113 (distr.); Haack *in* Wang, 2017: w/page fig. 11.17 (biol., hosts); Klingeman *et al.*, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 60, pl. 8

Callidium variabile var. *testaceus*; Gemminger & Harold, 1872: 2921.

Cerambyx fennicus Linnaeus, 1758: 396; 1761: 194; 1767: 636.

Cerambyx (*Callidium*) *fennicus*; Gmelin, 1790: 1851.

Syntypes locality - Syntypes: Finland. (UZI).

Cerambyx variabilis Linnaeus, 1761: 192; 1767: 635; White, 1855: 319; LeConte, 1859c: 48; Riley, 1880: 238 (hosts).

Cerambyx (Callidium) variabilis Gmelin, 1790: 1850 (hosts).
Callidium (Merium) variabile; Kirby, 1837: 172.
Phymatodes variabilis; Mulsant, 1839: 47; Haldeman, 1847a: 37; LeConte, 1850b: 33; Bland, 1861: 95 (distr.); Horn, 1861: 30 (biol.); Snow, 1877: 19 (distr.); Packard, 1881: 25, fig. 5 (biol.); Leng, 1884: 99; 1885: 35; Townsend, 1886: 13 (biol.); 1887: 15 (biol.); Fauvel, 1889: 149 (distr.); Hamilton, 1889: 145; Packard, 1890: 74, fig. 23; Caulfield, 1890: 60 (biol.); Hopkins, 1893: 192 (biol.); 1894: 149 (biol.); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 74 (hosts); Chagnon, 1897: 15 (distr.); Wickham, 1897a: 107; Hopkins, 1898a: 103 (biol.); Harrington, 1899: 108 (distr.); Smith, 1900: 286 (distr.); Dury, 1902: 158 (distr.); Ulke, 1903: 25 (distr.); Hopkins, 1904: 37; Adams, 1909: 199 (biol.); Blatchley, 1910: 1018, fig. 427; Smith, 1910: 325; Leng, 1911: 215 (distr.); Fisher & Kirk, 1912: 210 (distr.); Johnson, 1915: 314 (distr.); Nicolay, 1917: 94 (distr.); 1919: 64 (distr.); Garnett, 1918: 174 (distr.); Craighead, 1923: 45, pl. 18, fig. 21 (larva); Craighead & Middleton, 1930: 13; Beaulne, 1932: 201 (hosts).
Callidium variabile; Elliott & Morley, 1911: 465.
Phymatodes (Phymatodes) variabilis; Casey, 1912: 276.
Phymatodes testaceus var. *variabilis*; Kirk & Knull, 1926: 39 (distr.); Leonard, 1928: 445 (distr.); Frost & Dietrich, 1929: 436 (distr.); Knull, 1946: 210; Procter, 1946: 180 (distr.).
Syntypes locality - Syntypes: Sweden (UZI).
Callidium praeustum Fabricius, 1782: 500; Zimsen, 1964: 179 (type).
Type locality - Holotype: Italy (UZI).
Leptura femorata Geoffroy, 1785: 83.
Type locality - Holotype: France, Seine: Paris (MNHN).
Leptura Fallax Villers, 1789: 276.
Type locality - Holotype: France. (MNHN).
Cerambyx (Callidium) italicus Gmelin, 1790: 1851.
Type locality - Holotype: Italy (NHRS).
Cerambyx (Callidium) deustus Gmelin, 1790: 1850.
Type locality - Holotype: Italy. (NHRS).
Cerambyx (Callidium) carniolicus Gmelin, 1790: 1858.
Type locality - Holotype: Eslovaquia, Carniola. (NHRS).
Cerambyx melanocephalus Ponz, 1805: 71.
Type locality - Holotype: Saluzzo.
Phymatodes nigrinus Mulsant, 1839: 47
Type locality - Holotype: France (MNHN).
Phymatodes nigricollis Mulsant, 1839: 49
Type locality - Holotype: France (MNHN).
Callidium simile Küster, 1844: No.1, 54
Syntypes locality - Syntypes: Dalmatia. (Naturhistorisches Museum, Nürnberg).
Phymatodes variabilis var. *ventralis* Haldeman, 1847a: 37
Type locality - Holotype: United States, Alabama. (MCZN).
Phymatodes analis Redtenbacher, 1849: 481
Type locality - Holotype: Austria. (NHMW).
Callidium variabile var. *Sellae* Kraatz, 1868: 338
Syntypes locality - Syntypes: Italy, Piemonte. (SDEI).
Phymatodes variabilis var. *dimidiatipennis* Chevrolat, 1882: 58
Type locality - Holotype: Russia. (BMNH).
Phymatodes testaceus var. *fulvipennis* Reitter, 1901: 101
Type locality - Holotype: Turquia, Konya: Aksegir (HNHM).
Phymatodes testaceus v. *parnassicus* Pic, 1945: 6.
Type locality - Holotype: Greece, Parnasos. (MNHN).
Phymatodes elongatus Iablokoff, 1953: 60 (preoccupied).
Type locality - Holotype male: Maroc, Moyen Atlas, environs d'Ifrane. (Musée de Zoologie d'Erevan, Armenia).

23. *Phymatodes tysoni* Chemsak & Linsley, 1984

Type locality - Holotype male: United States, California: Alameda County, Arroyo Mocho Canyon. (CASC). **Distribution** - United States (California). **Host plants** - *Juniperus californica* Afonso Carrillo (Cupressaceae).

Phymatodes tysoni Chemsak & Linsley, 1984: 73, fig. 1; Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A., 1993h: 53 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Linsley & Chemsak, 1997: 419 (hosts); Monné, M.A. & Hovore, 2006: 35 (checklist); Swift & Ray, 2010: 48, 50, fig. 31.

24. *Phymatodes varius* (Fabricius, 1776)

Type locality - Holotype: America Boreali. (HMUG). **Distribution** - Eastern North America to Utah and Arizona; known in Canada from southern Quebec and southern Ontario. **Host plants** - *Betula lenta* Linnaeus (Betulaceae), *Quercus alba* Linnaeus, *Q. arizonica* Sargent, *Q. emoryi* Torrey, *Q. hypoleucoides* A. Camus, *Q. marilandica*, *Q. pungens* var. *vaseyana* (Buckley) C. H. Müller, *Q. rubra* Linnaeus, *Q. stellata* Wangenheim (Fagaceae), *Vitis* sp. (Vitaceae).

Callidium varium Fabricius, 1776: 232; 1781: 241; 1787: 255; Olivier, 1790: 260, pl. 5, fig. 55; Fabricius, 1793: 331; Olivier, 1795: 54, pl. 5, fig. 55; Fabricius, 1801: 345; Schoenherr, 1817: 457; Haldeman, 1847a: 37; White, 1855: 322; LeConte, 1857: 23 (distr.); Horn, 1861: 30 (biol.); Bland, 1861: 95 (distr.); Zimsen, 1964: 180 (types).

Phymatodes varius LeConte, 1850b: 33; Henshaw, 1874: 22; Popenoe, 1877: 33 (distr.); Riley, 1880: 238 (hosts); Packard, 1881: 27 (biol.); Horn, 1883a: 289 (syn.); Leng, 1884: 101; Bates, 1885: 294 (distr.); Leng, 1885b: 35, pl. 1, fig. 13; Horn, 1886a: 139; Packard, 1890: 76, fig. 25 (biol.); Caulfield, 1890: 60 (biol.); Davis, 1891: 65 (hosts); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 74 (hosts); Wickham, 1897a: 107, fig. 17; Smith, 1900: 287 (distr., hosts); Dury, 1902: 158 (distr.); Ulke, 1903: 25, 50 (distr., hosts); Felt, 1906: 702 (hosts); Wickham, 1909a: 28 (distr.); Smith, 1910: 325; Blatchley, 1910: 1018, fig. 29; Fisher & Kirk, 1912: 310 (distr.); Garnett, 1918: 175 (distr., hosts); Nicolay, 1919: 64 (distr.); Britton, 1920: 269 (distr.); Rohwer, 1921: 464 (paras.); Craighead, 1923: 46, pl. 33, fig. 3 (larva); Kirk & Knull, 1926: 39 (distr.); Leonard, 1928: 445 (distr.); Beaulne, 1932: 201 (hosts); Doane *et al.*, 1936: 182; Knowlton & Thatcher, 1936: 279 (distr.); Brimley, 1938: 215 (distr.); Townes, 1944: 773 (paras.); Knull, 1946: 211, pl. 14, fig. 55; Knowlton & Wood, 1950: 12 (distr.); Townes & Townes, 1960: 499 (paras.); Duffy, 1960: 154 (larva); Linsley, Knull & Statham, 1961: 17 (distr.); Dillon & Dillon, 1961: 595, pl. 58, No. 5; Linsley, 1964: 51, fig. 17; Hatch, 1971: 115; Gosling, 1973: 77, fig. 38 (biol., distr.); Turnbow & Franklin, 1980: 342 (distr.); Rice, 1981: 461 (distr.); Hovore, 1983: 381 (hosts); Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A., 1993h: 53 (cat.); MacRae, 1993: 233 (distr.); Lingafelter & Horner, 1993: 174 (distr.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Yanega, 1996: 118, pl. 16 figs 96a,b; Krinsky & Godwin, 1996: 238 (hosts); Linsley & Chemsak, 1997: 419 (hosts); Heffern, 1998: 114 (distr.); Schiefer, 1998: 119 (distr.); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Monné, M.A. & Hovore, 2006: 35 (checklist); Lingafelter, 2007: 85, 149, 2 figs, pl. 20, fig. j (hosts); MacRae & Rice, 2007: 241 (distr., hosts); Guarnieri, 2009: 17 (distr.); Swift & Ray, 2010: 48, figs. 32, 33; Holt, 2013: 246 (distr.); Klingeman *et al.*, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 60, pl. 8

Phymatodes (Poecilium) varius; Casey, 1912: 280.

Cerambyx (Callidium) versicolor Gmelin, 1790: 1852.

Type locality - America Boreali.

Callidium subfasciellum White, 1855: 322.

Type locality - Holotype: North America ?. (BMNH).

Callidium? (Phymatodes) albo-fasciatum Bland, 1862: 274.

Phymatodes varius var. *albofasciatus*; Frost & Dietrich, 1929: 436 (distr.)

Type locality - Lectotype: United States, Pennsylvania: in the neighborhood of Philadelphia. (ANSP).

Callidium (Phymatodes) semicircularis Bland, 1862: 275, fig. 4.

Callidium semicircularis; Packard, 1872: 496, fig. 484.

Type locality - Lectotype: United States, Pennsylvania: in the vicinity of Philadelphia. (ANSP).

Phymatodes (Poecilium) latipennis Casey, 1912: 280; Lingafelter *et al.*, 2014: 87, 369, fig. 95s (lectotype).

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

Phymatodes (Poecilium) varius diffidens Casey, 1912: 280; Lingafelter *et al.*, 2014: 342, 369, fig. 180c (lectotype).

Phymatodes varius diffidens; Brimley, 1938: 215 (distr.);

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

24. *Phymatodes vilitatis* Linsley, 1940

Type locality - United States, California: Mendocino. (MCZN). **Distribution** - United States (Oregon to southern California). **Host plants** - *Abies bracteata* (D. Don) Poiteau, *A. concolor* Gordon & Glen, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Callidium vile LeConte, 1873a: 172 (preoccupied); Lameere, 1883: 35 (cat.); Leng, 1884: 112; Fall, 1901: 144 (distr.); Fall & Cockerell, 1907: 191 (distr.); Garnett, 1918: 376 (distr.).

Phymatodes vilitatis Linsley, 1940a: 253 (*nom. nov.*); 1964: 66, fig. 20; Hatch, 1971: 116, pl. 12, fig. 3; Hovore & Giesbert, 1976: 356 (hosts); Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A., 1993h: 54 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Linsley & Chemsak, 1997: 419 (hosts); Monné, M.A. & Hovore, 2006: 35 (checklist); Swift & Ray, 2010: 48, 50, fig. 34; Rice, MacRae & Merickel, 2017: 670 (distr.).

25. *Phymatodes vulneratus* (LeConte, 1857)

Type locality - Holotype: United States, California: San Francisco. (MCZN). **Distribution** - Pacific coast of North America from British Columbia. **Host plants** - *Acer circinatum* Pursh, *A. glabrum* Torrey, *A. macrophyllum* Pursh (Aceraceae), *Ficus* sp. (Moraceae), *Fraxinus oregona* Nuttall (Oleaceae) *Cercocarpus ledifolius* Nutt., *Pyrus* sp., *Rosa nutkana* Presl (Rosaceae), *Vitis* sp. (Vitaceae).

Callidium vulneratum LeConte, 1857: 60; 1869: 371.

Phymatodes vulneratus; Leng, 1884: 99; 1885: 35, pl. 1, fig. 12; Fall, 1901: 144 (distr.); Garnett, 1918: 175 (distr.); Van Dyke, 1920: 36 (distr., hosts); Craighead, 1923: 46 (larva); Hardy, 1926: 31, pl.4, fig. 9; Hardy & Preece, 1926: 38 (hosts); Essig, 1926: 456 (biol.); Hardy & Preece, 1927b: 190 (hosts); Linsley, 1928: 181 (hosts); Leech, 1930: 191 (hosts); Hopping, 1935: 9 (syn.); Doane *et al.*, 1936: 182 (biol.); Knowlton & Thatcher, 1936: 279 (distr.); Keen, 1952: 48 (hosts); Linsley, 1964: 47, fig. 16; Tyson, 1966: 206 (hosts); Hatch, 1971: 114, pl. 12, fig. 8; Furniss & Carolin, 1977: 303 (hosts); Cope, 1984b: 64; Chemsak, Linsley & Noguera. 1992: 64 (cat.); Monné, M.A., 1993h: 54 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Linsley & Chemsak, 1997: 419 (hosts); Monné, M.A. & Hovore, 2006: 35 (checklist); Swift & Ray, 2010: 49, fig. 35; Vlasák, 2014: 318 (hosts).

Phymatodes (Poecilium) vulneratus; Casey, 1912: 278.

Phymatodes vulnerata; Van Dyke, 1925: 176 (biol.).

Phymatodes (Poecilium) concinnus Casey, 1912: 278; Lingafelter *et al.*, 2014: 43, fig.45m (holotype).

Type locality - Holotype male: United States, California: Santa Cruz Mountains. (USNM).

Physocnenum Haldeman, 1847

Physocnenum Haldeman, 1847a:36; LeConte. 1850b: 31; 1873b: 296; LeConte & Horn, 1883: 281; Leng, 1884: 97; Wickham, 1897a: 85; Blatchley, 1910: 1017; Casey, 1924: 238; Bradley, 1930: 238; Chagnon, 1938: 257; Knull, 1946: 204; Dillon & Dillon, 1961: 593; Chagnon & Robert, 1962: 253; Arnett, 1962: 867, 886; Linsley, 1964: 68; Monné, M.A., 1993h: 54; Monné, M.A. & Hovore, 2006: 35 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 61 (key spp.)

Type-species - *Callidium brevilineum* Say, 1823 (monotypy).

Dularius Thomson, 1861: 258; 1864: 264, 461; Lacordaire, 1869: 49; Provancher, 1877: 578.

Type-species - *Dularius luscus* Thomson, 1860 (monotypy).

1. *Physocnemum andreae* (Haldeman, 1847)

Type locality - Holotype: United States, Georgia. (MCZN). **Distribution** - Atlantic Coast from southeast United States up into Quebec. **Host plants** - *Cupressus* sp. (Cupressaceae), *Taxodium distichum* (Linnaeus) Richard, *T. imbricarium* Harper (Taxodiaceae).

Callidium Andreae Haldeman, 1847a: 36;

Physocnemum andreae; LeConte, 1850b: 32; Leng, 1884: 97; Hopkins, 1904: 36, 46 (biol.); Bradley, 1913: 159 (hosts); Craighead, 1923: 47, pl. 29, fig. 1; Knull, 1927: 117 (hosts); Doane *et al.*, 1936: 181; Loding, 1945: 118 (distr.); Craighead, 1950: 259 (biol.); Linsley, 1964: 68, fig. 21; Baker, 1972: 197 (biol.); Perry, 1974: 215 (distr.); Turnbow & Franklin, 1980: 342 (distr.); White, 1985: 286 (biol.); Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A., 1993h: 55 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Yanega, 1996: 118, pl. 17, fig. 111; Linsley & Chemsak, 1997: 420 (hosts); Peck & Thomas, 1998: 119 (distr.); Monné, M.A. & Hovore, 2006: 35 (checklist); Lingafelter, 2007: 84, 149, 2 figs, pl. 21, fig. d (hosts); Holt, 2013: 247 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 61

Physocnemum Andreae; Chevrolat, 1861: 249 (syn.); Leng, 1885: 35, pl. 1, fig. 6

Dularius Andreae; Thomson, 1861: 377; 1864: 264; Lacordaire, 1869: 50

Physocnemus andrea; Rohwer, 1921: 440 (paras., error).

Dularius luscus Thomson, 1861: 259

Type locality - Holotype male: Amérique Boreale. (MNHN).

2. *Physocnemum brevilineum* (Say, 1824)

Syntypes localities - Syntypes: United States, Arkansas, Arkansas River; Pennsylvania. (depository unknown). **Distribution** - Eastern North America to Texas, in Canada this species ranges from southern Quebec, as far north as the Quebec City area, to southeastern Manitoba **Host plants** - *Ulmus americana* Linnaeus (Ulmaceae).

Callidium brevilineum Say, 1824: 413; LeConte, 1859c: 194

Physocnemum brevilineum; Haldeman, 1847a: 38; LeConte, 1850b: 32; Melsheimer, 1853: 104 (cat.); Bland, 1861: 95 (distr.); Walsh & Riley, 1869e: 228 (biol.); Pettit, 1871: 106 (distr.); Packard, 1872: 244 (hosts); Leng, 1884: 97; 1885: 35, pl. 1, fig. 5; Hamilton 1895: 337 (distr.); Wickham, 1897a: 106; 1897b: 156 (distr.); Chagnon, 1897: 124 (distr.); Smith, 1900: 286 (distr.); Dury, 1902: 158 (distr.); Felt, 1906: 462, fig. 114; Morris, 1908: 445; Wickham, 1909a: 28 (distr.); Smith, 1910: 325; Blatchley, 1910: 1017, fig. 426; Fisher & Kirk, 1912: 309 (distr.); Frost, 1912: 306; Casey, 1912: 270; Knaus, 1914: 91; Morris, 1916: 19 (hosts); Frost, 1916: 388 (biol.); Chagnon, 1917: 230 (distr.); Nicolay, 1919: 64 (distr.); Morris, 1920a: 76 (distr.); Craighead, 1923: 48 (larva); Casey, 1924: 238; Kirk & Knull, 1926: 26 (distr.); Leonard, 1928: 444 (distr.); Hatch & Ortenburger, 1930: 14; Beaulne, 1932: 201 (hosts); Britton & Friend, 1935: 207; Chagnon, 1938: 257, pl. 17, fig. 2; Knull, 1946: 205; Craighead, 1950: 259 (biol.); Haliburton, 1951: 36 (biol.); Alexander, 1958: 49 (distr.); Gibson & Carrillo, 1959: 119; Dillon & Dillon, 1961: 594, pl. 59, No. 14; Chagnon & Robert, 1962: 257, pl. 17, fig. 2; Linsley, 1964: 69, fig. 21; Baker, 1972: 197 (biol.); Gosling, 1973: 78, fig. 43 (biol., distr.); Kirk & Balsbaugh, 1975: 98 (distr.); Stein & Tagedstad, 1976: 28; Solomon, Doolittle & Spillman, 1976: 290; Laliberté, Chantal & LaRochelle, 1977: 96 (biol.); Rice, 1981: 461 (distr.); White, 1985: 285, fig. 124; Gosling, 1986: 257 (hosts); Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A., 1993h: 55 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); MacRae, 1993: 233 (distr.); Lingafelter & Horner, 1993: 174 (distr.); Yanega, 1996: 119, pl. 18, figs 212a, 212b; Linsley & Chemsak, 1997: 420 (hosts); Schiefer, 1998: 119 (distr.); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Monné, M.A. & Hovore, 2006: 35 (checklist); Lingafelter, 2007: 84, 149, 2 figs, pl. 20, fig. e (hosts); Holt, 2013: 247 (distr.); Haack, 2017: 115 (hosts); Klingeman *et al.*, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 61, pl. 8

Semanotus brevilineus; LeConte, 1859c: 48.

Dularius brevilineus; Thomson, 1864: 264; Lacordaire, 1869: 50; Provancher, 1877: 586; Popenoe, 1877: 33 (distr.); Riley, 1880: 238 (hosts); Packard, 1861: 60, fig. 19 (biol.); Luggler, 1884: 203 (hosts); Packard, 1890: 228, fig. 73.

Callidium (Physocnenum) brevilineum; Fauvel, 1889: 149.

Physocnenum brevilineum; Sherman, 1946: 127 (distr., error).

Physocnenum brevilineum; Turnbow & Franklin, 1980: 342 (distr., error).

Physocnenum compressipes Casey, 1912: 269; 1924: 238; Lingafelter *et al.*, 2014: 43, fig. 45i (holotype).

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

Physocnenum densum Casey, 1912: 270; Lingafelter *et al.*, 2014: 52, fig. 55m (holotype).

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

Physocnenum pictum Casey, 1924: 239; Lingafelter *et al.*, 2014: 299, fig. 131u (holotype).

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

Physocnenum longitarse Casey, 1924: 239; Lingafelter *et al.*, 2014: 92, fig. 101q (holotype).

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

Physocnenum angulatum Casey, 1924: 239; Lingafelter *et al.*, 2014: 16, fig. 15u (holotype).

Type locality - United States, Michigan: Marquette. (USNM).

3. *Physocnenum violaceipenne* Hamilton, 1896

Syntypes locality - Syntypes: United States, Pennsylvania: Westmoreland County, Jeanette. (CMNH). **Distribution** - Eastern Canada and northeastern United States to Great Lakes region. **Host plants** - *Quercus alba* Linnaeus, *Q. coccinea* Münchh., *Q. falcata*, *Q. velutina* Lamarck (Fagaceae). and,

Physocnenum violaceipenne Hamilton, 1896: 286; Klages, 1901: 272, 290 (distr.); Kirk & Knull, 1926: 26 (distr.); Knull, 1930b: 101 (hosts); 1946: 205, pl. 15, fig. 59; Linsley, 1964: 70, fig. 22; Gosling, 1973: 78 (distr.); Chemsak, Linsley & Noguera, 1992: 64 (cat.); Monné, M.A., 1993h: 55 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); MacRae, 1993: 233 (distr.); Yanega, 1996: 119, pl. 18, fig. 213; Linsley & Chemsak, 1997: 420 (hosts); Monné, M.A. & Hovore, 2006: 35 (checklist); Guarnieri, 2009: 17 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 61

Poecilium (Phymatoderus) Reitter, 1912

Poecilium (Phymatoderus) Reitter, 1912: 39; Plavilstshikov, 1934: 210; 1940: 313; Heyrovsky, 1955: 204; Zajciw & Ruffinelli, 1962: 50.

Phymatoderus; Bilý & Mehl, 1989: 115.

Reitteroderus Sama, 1991: 124 (new name for *Phymatoderus* Reitter, 1912).

Poecilium (Phymatoderus) Danilevsky, 2010: 228.

Type-species - *Callidum pusillum* Fabricius, 1787 (Plavilstshikov, 1940: 313 designation).

1. *Poecilium (Phymatoderus) lividum* (Rossi, 1794)

Type locality - Italy, en provinciis Florentina et Pisana. (ZMHB). **Distribution** - Europe, north Africa, Caucasus, Transcaucasia, Turkey, Syria, Lebanon, Israel. Introduced in Canada, United States, Argentina (Buenos Aires) and Uruguay. **Host plants** - *Robinia pseudacacia* Linnaeus (Fabaceae), *Castanea* sp., *Quercus calliprinus* Webb, *Q. cerris* Linnaeus, *Q. faginea* Lamarck, *Q. ilex* Linnaeus, *Q. mirbeckii* Durand (Fagaceae).

Callidium lividum Rossi, 1794: 98.

Phymatodes lividus; Blatchley, 1910: 1017 (distr.); Leonard, 1928: 445 (distr.); Yanega, 1996: 118, pl. 16, fig. 191; Swift & Ray, 2010: 44, 50, fig. 20.

Phymatodes (Phymatoderus) lividus; Zajciw & Ruffinelli, 1962: 50 (distr.).

Poecilium lividum; Pesarini & Sabbadini, 1995: 90, pl. 3, fig. 154.

Phymatoderus lividus; Di Iorio, 2004d: 666.

Callidium melancholicum Fabricius, 1798: 151.

Type locality - Germaniae. (ZMUC).

Callidium brevicolle Dalman, 1817: 191.

Type locality - (not stated). (NHRS).

Callidium thoracicum Lucas, 1842: 186.

Type locality - environs d'Alger. (MNHN).

Callidium asperipenne Fairmaire, 1879: 217.

Type locality - Tanger. (MNHN).

***Pronocera* Motschulsky, 1859**

Pronocera Motschulsky, 1859: 494; Thomson, 1864: 270; Baeckmann, 1922: 29; Chemsak, 1963a: 37 (syn.); Linsley, 1964: 12; Hatch, 1971: 111; Monné, M.A., 1993h: 36; Sama, 2003: 69; Monné, M.A. & Hovore, 2006: 35 (checklist);

Type-species - *Pronocera daurica* Motschulsky, 1859 (= *Callidium sibiricum* Gebler, 1848) (monotypy).

Gonocallus LeConte, 1873a: 171; 1873b: 296; LeConte & Horn, 1883: 281; Leng, 1884: 97; Bradley, 1930: 238; Chagnon, 1938: 257; Knull, 1946: 204; Arnett, 1962: 867, 886; Chagnon & Robert, 1962: 253, 257.

Type-species - *Callidium collare* Kirby, 1837 (original designation).

Phymatodes (*Pseudophymatodes*) Pic, 1901: 12.

Type-species - *Phymatodes* (*Pseudophymatodes*) *altaiensis* Pic, 1901 (= *Callidium sibiricum* Gebler, 1848) (monotypy).

Protocallidium Csiki, 1904: 99.

Type-species - *Callidium angustum* Kriechbaumer, 1844 (monotypy).

1. *Pronocera collaris collaris* (Kirby, 1837)

Type locality - Holotype: North America, latitude 54 degrees. (BMNH).

Distribution - Eastern North America, extends down the Rocky Mountains into New Mexico, over to British Columbia and northward to Alaska. **Host plants** - *Picea* sp., *Pinus strobus* Linnaeus (Pinaceae).

Callidium collare Kirby, 1837: 171; LeConte, 1850a: 234; Melsheimer, 1853: 104 (cat.); White, 1855: 321; Bethune, 1872: 56.

Eriphus collaris; Haldeman, 1847a: 39.

Phymatodes collaris; LeConte, 1850b: 33.

Gonocallus collaris; LeConte, 1873a: 171; 1873b: 296; Horn, 1876: 169; Lameere, 1883: 35 (cat.); LeConte & Horn, 1883: 281; Leng, 1884: 97; 1885c: 35, pl. 1, fig. 4; Harrington, 1890: 185 (distr.); Wickham, 1897a: 106; Chagnon, 1917: 230 (distr.); Craighead, 1923: 48 (larva); Kirk & Knull, 1926: 26 (distr.); Leonard, 1928: 444 (distr.); Beaulne, 1932: 201 (hosts); Mank, 1934: 80 (distr.); Chagnon, 1938: 257; Hardy, 1942: 11 (distr.); Knull, 1946: 204, pl. 13, fig. 53; Hardy, 1948: 33; Chagnon & Robert, 1962: 257.

Pronocera collaris; Chemsak, 1963a: 38; Linsley, 1964: 13; Arnett, 1985: 364, fig. 24.193; Chemsak, Linsley & Noguera, 1992: 64 (cat.); Lingafelter, 2007: 82, 149, 2 figs, pl. 19, fig. k (hosts); McCorquodale, 2010: 468 (distr.); Rice, MacRae & Merickel, 2017: 670 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 50, pl. 5.

Pronocera collaris collaris; Chemsak, 1963a: 38; Linsley, 1964: 13, fig. 5; Hatch, 1971: 111; Gosling, 1973: 76, fig. 34 (biol., distr.); Laliberté, Chantal & LaRochelle, 1977: 97 (biol.); Gosling, 1986: 157 (hosts); Monné, M.A., 1993h: 36 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Yanega, 1936: 119, pl. 16, fig. 186; Linsley & Chemsak, 1997: 425 (hosts); Heffern, 1998: 15 (distr.), Vlasák & Vlasakova. 2002: 211 (distr., hosts); Monné, M.A. & Hovore, 2006: 35 (checklist); Majka, McCorquodale & Smith, 2007: 261 (distr.); Webster, 2016: 487; Bousquet, Laplante, Hammond & Langor, 2017: 50, pl. 5.

Phymatodes lepidus LeConte, 1850b: 34.

Callidium lepidum Gemminger & Harold, 1872: 2919 (cat.).

Type locality - Holotype: Canada, Ontario: Pic River. (MCZN).

1a. *Pronocera collaris lecontei* Chemsak, 1963

Type locality - Holotype male: United States, California: Plumas County, Meadow Valley. (CASC). **Distribution** - Sierra Nevada, California. **Host plants** - *Abies concolor* Gordon & Glen, *A. magnifica* A. Murray (Pinaceae).

Pronocera collaris lecontei Chemsak, 1963a: 38; Linsley, 1964: 14, figs 4, 5; Cope, 1984a: 33 (hosts); Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993h: 36 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Linsley & Chemsak, 1997: 425 (hosts); Monné, M.A. & Hovore, 2006: 35 (checklist);

***Ropalopus* Mulsant, 1839**

Ropalopus Mulsant, 1839: 39; Thomson, 1861: 258; 1864: 264; Lacordaire, 1869: 50. LeConte, 1873b: 296; Provancher, 1877: 578; LeConte & Horn, 1883: 281; Wickham, 1897a: 85; Chagnon & Robert, 1962: 254; Arnett, 1962: 867; Linsley, 1964: 71; Monné, M.A., 1993h: 56 (cat.); Monné, M.A. & Hovore, 2006: 35 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 61.

Type species - *Callidium insubricum* Germar, 1823 (Thomson designation, 1864: 264)

Euryoptera Horn, 1860: 571; Thomson, 1864: 269; Lacordaire, 1869: 56

Type species – *Euryoptera sanguinicollis* Horn, 1860 (monotypy)

1. *Ropalopus sanguinicollis* (Horn, 1860)

Type locality - United States: Northern New York. (ANSP). **Distribution** - Eastern Canada and northeastern United States to Ohio and West Virginia. **Host plants** - *Prunus pennsylvanica* Linnaeus fms, *P. virginiana* Linnaeus (Rosaceae).

Euryoptera sanguinicollis Horn, 1860: 571, pl.8, fig. 3; Lacordaire, 1869: 56

Ropalopus sanguinicollis; Austin, 1874: 270; Provancher, 1877: 587; Slosson, 1894: 3; Hamilton, 1895: 337; Wickham, 1897a: 106; Dury, 1902: 158 (distr.); Blatchley, 1910: 1017; Fisher & Kirk, 1912: 309; Craighead, 1923: 142; Kirk & Knull, 1926: 26; Bird, 1927: 126 (hosts); Procter, 1926: 112; Leonard, 1928: 444; Procter, 1946: 180; Chagnon & Robert, 1962: 258; Linsley, 1964: 72; Stein & Tigestad, 1976: 34 (distr.); Laliberté, Chantal & LaRoche. 1977: 97; Gosling, 1983: 187; 1986: 157; Arnett, 1985: 365, fig. 24; Chemsak, Linsley & Noguera, 1992:65 (cat.); Monné, M.A. 1993h: 56 (cat.); Monné, M.A., & Giesbert, 1994: 108 (checklist); Yanega, 1996: 119, pl. 17, fig. 210; Linsley & Chemsak, 1997: 429 (hosts); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Monné, M.A. & Hovore, 2006: 35 (checklist); Webster, 2016: 487; Bousquet, Laplante, Hammond & Langor, 2017: 61, pl. 8

***Semanotus* Mulsant, 1839**

Semanotus Mulsant, 1839: 54; 1862-63: 100; Thomson, C. G., 1859: 149; Mulsant, 1863: 100; Thomson, 1864: 265; 1865: 462; Fairmaire in Jacquelin DuVal, 1864: 136; Lacordaire, 1869: 47; Chenu, 1870: 319; Reitter, 1912: 57; Van Dyke, 1923: 49; Planet, 1924: 214; Portevin, 1927: 32; Picard, 1929: 90; Bradley, 1930: 238; Plavilstshikov, 1934: 156, 180; 1940: 274; Knull, 1946: 204, 206; Villiers, 1946: 84; Gressitt, 1951: 221; Heyrovsky, 1955: 193; Arnett, 1962: 867, 886; Linsley, 1964: 18; Hatch, 1971: 111; Monné, M.A., 1993h: 38 (cat.); Monné, M.A., 2005: 44 (cat.); Monné, M.A. & Hovore, 2006: 36 (checklist); Monné, M.A., 2012: 10; Hammond & Williams, 2013: 101 (rev.); Bousquet, Laplante, Hammond & Langor, 2017: 50 (key spp.)

Type-species - *Cerambyx undatus* Linnaeus, 1758 (subsequent designation, Thomson, C. G., 1859: 149).

Sympiezocera Lucas, 1851: cvi; 1853: 27; Fairmaire in Jacquelin DuVal, 1864: 190; Lacordaire, 1869: 46; Van Dyke, 1923: 49; Planet, 1924: 216; Portevin, 1927: 50.

Semanotus (Sympiezocera); Van Dyke, 1923: 50.

Type-species - *Sympiezocera laurasi* Lucas, 1851 (monotypy).

Xenodorum Marseul, 1856: 48.

Type-species - *Xenodorum bonvouloiri* Marseul, 1856 (monotypy).

Anocomis Casey, 1912: 271; 1924: 236.

Anocomis; Leng, 1920: 275 (cat.); Chagnon, 1938: 258; Chagnon & Robert, 1962: 154, 158.

Type-species - *Callidium ligneum* Fabricius, 1787 (subsequent designation, Linsley, 1964: 19).

Hemicallidium Casey, 1912: 174; Bradley, 1930: 238.

Type-species - *Physocnenum amethystinum* LeConte, 1853 (original designation).

1. *Semanotus amethystinus* (LeConte, 1853)

Type locality - Holotype: United States, California: Sacramento. (MCZN). **Distribution** - From British Columbia into California, west coast, from Washington to southern California, high elevation localities in Wyoming, Utah and Colorado. **Host plants** - *Calocedrus decurrens* (Torrey) Florin, *Thuja plicata* Donn ex D. Don (Cupressaceae).

Physocnenum amethystinum LeConte, 1853: 234

Semanotus amethystinus; LeConte, 1857: 23 (distr.); Van Dyke, 1923: 51 (hosts); Doane *et al.*, 1936: 181 (hosts); Hatch, 1938: 187; Keen, 1952: 175 (hosts); Linsley, 1964: 19, fig. 7; Tyson, 1966: 206 (hosts); Hatch, 1971: 112, pl. 11, fig. 8; Furniss & Carolin, 1977: 304, fig. 183 (hosts); Cope, 1984a: 34 (biol., hosts); Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993h: 38 (cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); Linsley & Chemsak, 1997: 432 (hosts); Monné, M.A. & Hovore, 2006: 36 (checklist); Hammond & Williams, 2013: 115, 116, figs 4A, 7A, 8, 16A; Spomer, 2014: 299, fig. 5 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 51, pl. 6.

Hylotrupes amethystinus; Leng, 1884: 98; Fall, 1901: 143 (distr.); Hopkins, 1904: 21 (biol.); Wright & Coolidge, 1908: 68 (distr.); Schaeffer, 1908: 329 (distr.); Fisher, 1915: 78 (hosts); Garnett, 1918: 174 (distr., hosts); Rohwer, 1921: 442 (paras.); Craighead, 1923: 43, pls. 10, 15, 18, 19, 34 (larva).

Hemicallidium amethystinus; Casey, 1912: 275; Craighead & Middleton, 1930: 12; Townes, 1944: 773 (paras.).

2. *Semanotus amplus amplus* (Casey, 1912)

Type locality - Lectotype: United States, California. (USNM). **Distribution** - Southern California north to central British Columbia, Pacific Coast east to continental divide. **Host plants** - *Calocedrus decurrens* (Torrey) Florin, *Cupressus* sp., *Juniperus occidentalis* Hooker, *J. osteosperma* (Torrey) Little, *J. scopulorum* Sargent, *Libocedrus decurrens* Torrey, *Thuja plicata* Donn ex D. Don (Cupressaceae). *Sequoia sempervirens* (D. Don) Endlicher, *Sequoiadendron giganteum* (Lindley) Buchholz (Taxodiaceae).

Anocomis ampla Casey, 1912: 273

Semanotus ligneus var. *ampla*; Van Dyke, 1923: 50, 51, (syn., hosts, distr.); Knowlton & Thatcher, 1936: 279 (biol.); Keen, 1952: 176 (hosts); Clark, 1956: 41 (distr.).

Anocomis lignea var. *ampla*; Moore, 1937: 90 (distr.).

Semanotus ligneus amplus; Hardy, 1942: 11 (biol.); DeLeon, 1952: 87 (hosts); Linsley, 1964: 23; Chemsak, 1984: 189, fig. 1 (hosts, biol.); Tyson, 1966: 206 (hosts); Wickham 1969: 282 (biol.); Barr & Penrose, 1969: 93 (distr.); Tyson, 1970b: 298 (hosts); Hatch, 1971: 112; Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993h: 40 (cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); Linsley & Chemsak, 1997: 432 (hosts); Monné, M.A. & Hovore, 2006: 36 (checklist); Lingafelter *et al.*, 2014: 14, 365, fig. 14g (lectotype); Rice, MacRae & Meckerel, 2017: 670 (distr.).

Semanotus amplus amplus; Hammond & Williams, 2013: 216, 124, figs.; Bousquet, Laplante, Hammond & Langor, 2017: 51, pl. 6.

Anocomis ampla angusta Casey, 1912: 273; Lingafelter *et al.*, 2014: 14, fig. 14i (holotype).

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

Anocomis ampla obliviosa Casey, 1924: 237; Lingafelter *et al.*, 2014: 15, fig. 14q (holotype).

Type locality - Holotype female: United States, California, “probably from the middle coast regions of California”.

Anocomis ampla terracensis Casey, 1924: 237; Lingafelter *et al.*, 2014: 15, 365, fig. 14s (lectotype).

Type locality - Lectotype: Canada, British Columbia: Terrace. (USNM).

2a. *Semanotus amplus sequoiae* Van Dyke, 1923

Type locality - Holotype: United States, California: Humboldt County, Trinidad.

Distribution - Coastal California from Humboldt Co. to Big Sur, Monterey Co. Host plants - *Sequoia sempervirens* (D. Don) Endlicher (Taxodiaceae).

Semanotus ligneus var. *sequoiae* Van Dyke, 1923: 51 (hosts); Keen, 1952: 176 (hosts).

Semanotus ligneus sequoiae; Tilden, 1945: 30 (hosts); DeLeon, 1952: 80 (hosts); Linsley, 1964: 24; Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993h: 40 cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); Linsley & Chemsak, 1997: 433 (hosts); Monné, M.A. & Hovore, 2006: 36 (checklist);

Semanotus amplus sequoiae; Hammond & Williams, 2013: 116, 128, figs (biol., distr., hosts).

3. *Semanotus basalis* (Casey, 1924)

Type locality - Holotype male: Canada, British Columbia: Terrace. (USNM). **Distribution** - Northern British Columbia to central California. **Host plants** - *Thuja plicata* Donn ex D. Don (Cupressaceae).

Anocomis ampla basalis Casey, 1924: 237.

Semanotus ligneus var. *basalis*; Clark, 1956: 41 (distr.).

Semanotus ligneus basalis; Linsley, 1964: 25; Hatch, 1971: 112; Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993h: 40 (cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); Linsley & Chemsak, 1997: 432 (hosts); Monné, M.A. & Hovore, 2006: 36 (checklist); Lingafelter *et al.*, 2014: 15, fig. 14 m (holotype).

Semanotus amplus basalis. Hammond & Williams, 2013: 116, 126, figs.

Semanotus basalis; Bousquet, Laplante, Hammond & Langor, 2017: 52, pl. 6.

Semanotus ligneus thujae Van Dyke, 1927: 103; Criddle, 1928: 97 (distr.); Ruetter, 1970: 22 (paratype).

Semanotus lignea var. *thujae*; Hopping, 1931: 235,

Type locality - Holotype male: Canada, British Columbia: Vancouver Island, Tod Inlet. (CASC).

4. *Semanotus conformis* (Casey, 1924)

Type locality - Lectotype: United States, Utah: Vineyard. (USNM), **Distribution** - Higher elevation and xeric south-western environments of Idaho, Oregon, California, Utah, Arizona, Nevada, Oklahoma, Texas, New Mexico. **Host plants** - *Cupressus* sp., *Juniperus occidentalis* Hooker, *J. osteosperma* (Torrey) Little (Cupressaceae).

Anocomis ampla conformis Casey, 1924: 236; Lingafelter *et al.*, 2014: 15, 365, fig. 14o (lectotype)

Semanotus ligneus conformis; Linsley, 1964: 25, fig. 10 (syn.); Barr & Penrose, 1969: 93 (distr.); Hatch, 1971: 112; Linsley & Chemsak, 1997: 432 (hosts); Monné, M.A. & Hovore, 2006: 36 (checklist);

Semanotus conformis; Hammond & Williams, 2013: 106, 121, pls. (distr., biol., hosts); Rice, MacRae & Meckerel. 2017: 670 (distr.).

Anocomis ampla arizonae Casey, 1924: 236; Lingafelter *et al.*, 2014: 14, 365, fig. 14 k (lectotype).

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

5. *Semanotus juniperi* (Fisher, 1915)

Type locality - Holotype: United States, Arizona: Santa Catalina Mountains. (USNM).

Distribution - High elevation or arid areas of California, Idaho, Nevada, Colorado, Arizona,

New Mexico and Texas. **Host plants** - *Juniperus ashei* Buchholz, *J. deppeana* Steudel, *J. osteosperma* (Torrey) Little, *J. pachyphloea* Torrey (Cupressaceae).
Hylotrupes juniperi Fisher, 1915: 77; Craighead, 1923: 44 (larva).
Semanotus juniperi; Van Dyke, 1923: 51 (hosts); Essig, 1926: 455 (biol.); Keen, 1952: 176 (hosts); Linsley, Knull & Statham, 1961: 17 (biol., distr.); Linsley, 1964: 21; Barr & Penrose, 1969: 23 (distr., hosts); Hatch, 1971: 112; Furniss & Carolin, 1977: 304 (hosts); Rice, Turnbow & Hovore, 1985: 20 (distr.); Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993h: 39 (cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); Linsley & Chemsak, 1997: 433 (hosts); Heffern, 1998: 15 (distr.); Monné, M.A. & Hovore, 2006: 36 (checklist); Hammond & Williams, 2013: 115, 118, pls. (biol., hosts); Lingafelter *et al.*, 2014: 83, fig. 91m (holotype); Rice, MacRae & Meckerel. 2017: 670 (distr.).

6. *Semanotus ligneus* (Fabricius, 1787)

Type locality - Holotype: United States, Maryland. (ZMUC). **Distribution** - Eastern Canada and USA, south to Oklahoma and eastern Texas. **Host plants** - *Chamaecyparis thyoides* (Linnaeus) Britton, Sterns & Poggenburg, *Cupressus* sp., *Juniperus virginiana* Linnaeus, *Thuja occidentalis* (Cupressaceae).
Callidium lignenum Fabricius, 1787: 153; Olivier, 1790: 260; Fabricius, 1793: 327; Olivier, 1795: 23, pl. 7, fig. 79; Fabricius, 1801: 341; Schoenherr, 1817: 448; Haldeman, 1847a: 37; White, 1855: 314; Pettit, 1871: 106 (distr.); Zimsen, 1964: 179 (types).
Physocnenum lignenum; LeConte, 1850b: 32; Bland, 1861: 95 (distr.).
Semanotus ligneus; LeConte, 1857: 23 (distr.); Lacordaire, 1869: 48; Van Dyke, 1923: 50 (hosts); Champlain, Kirk & Knull, 1926: 108 (hosts); Hardy & Preece, 1926: 37 (hosts); Kirk & Knull, 1926: 39 (distr.); Essig, 1926: 455 (biol.); Pack, 1930: 220 (distr.); Doane *et al.*, 1936: 181, fig. 88 (hosts); Van Dyke, 1937: 112 (syn.); Hatch, 1938: 187; Bedard, 1938: 193 (hosts); Craighead, 1950: 250; Knowlton & Wood, 1950: 11 (distr.); Beal, Haliburton & Knight, 1952: 112 (biol.); Townes & Townes, 1960: 145 (paras.); Linsley, 1964: 22; Baker, 1972: 198 (biol.); Furniss & Carolin, 1977: 304 (hosts); Laliberté, Chantal & LaRoche, 1977: 98 (biol.); Chemsak, Linsley & Noguera, 1992: 65 (cat.); Browne & Peck, 1996: 2159 (distr.); Lingafelter, 2007: 86, 150, 2 figs, pl. 20, fig. k (hosts); Hammond & Williams, 2013: 116, 121; Bousquet, Laplante, Hammond & Langor, 2017: 52, pl.6
Callidium (Semanotus) lignenum; LeConte, 1869: 371; Townes, 1944: 773 (paras.); Knull, 1946: 207, pl. 13, fig. 52.
Hylotrupes ligneus; LeConte, 1873b: 296; Popenoe, 1877: 33 (distr.); Provancher, 1877: 588; Riley, 1880: 238 (hosts); Packard, 1881: 246 (biol.); Horn, 1883a: 289 (syn.); LeConte & Horn, 1883: 281; Leng, 1884: 98; Ricksecker, 1885: 97 (biol.); Leng, 1885b: 35, pl. 1, fig. 9; Horn, 1886a: 138 (cat.); Packard, 1890: 907, fig. 300 (biol.); Harrington, 1890: 285 (distr.); Hamilton, 1893a: 274 (distr.); 1893b: 326 (distr.); Ashmead, 1893: 78 (hosts, paras.); Beutenmuller, 1896: 74 (hosts); Slosson, 1896: 263 (distr.); Wickham, 1897a: 1908; Smith, 1900: 286 (distr.); Chittenden, 1901: 91 (biol.); Fall, 1901: 143; Dury, 1902: 158 (distr.); Ulke, 1903: 25.50 (distr., hosts); Hopkins, 1904: 27, 38 (biol.); Wright & Coolidge, 1908: 68 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 325; Blatchley, 1910: 1019, fig. 431; Fisher & Kirk, 1912: 309 (distr.); Johnson, 1915: 314 (distr.); Chagnon, 1917: 230 (distr.); Garnett, 1918: 174 (distr., hosts); Craighead, 1921: 207 (biol.); Rohwer, 1921: 443, 448 (paras.); Frost, 1929: 154 (distr.); Craighead & Middleton, 1930: 12 (hosts.); Townes & Townes, 1960: 515 (paras.).
Hylotrupes (Callidium) ligneus; Austin, 1874: 270 (distr.).
Anocomis lignea; Casey, 1912: 272; Leonard, 1928: 444 (distr.)
Anacomis lignea; Britton, 1920: 269 (distr.); Leng, 1920: 275 (cat.); Tanner, 1927: 33; Beaulne, 1932: 201 (hosts); Chagnon, 1938: 258, pl. 17, fig. 5; Brimley, 1938: 214 (distr.); Loding, 1945: 119 (distr.); Procter, 1946: 180 (distr.); Chagnon & Robert, 1962: 258, pl. 17, fig. 5.
Hylotrupes ligneous; Craighead, 1923: 44 (larva, error).
Anacomis (Hylotrupes) lignea; Herrick, 1935: 378 (biol.).
Semanotus ligneus ligneus; Linsley, 1964: 22, figs 3, 10; Gosling, 1973: 76 (biol., distr.); Drouin, 1991: 171, fig. 177; MacRae, 1993: 232 (distr.); Monné, M.A., 1993h 39 (cat.); Monné,

M.A., & Giesbert, 1994: 109 (checklist); Yanega, 1996: 119, pl. 12, fig. 143; Linsley & Chemsak, 1997: 433 (hosts); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 119 (distr.); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Monné, M.A. & Hovore, 2006: 36 (checklist); Maier, 2009: 438 (distr., hosts); Webster, McCorquodale & Majka, 2009: 297 (distr., hosts); McCorquodale, 2010: 468 (distr.); Holt, 2013: 247 (distr., hosts); Hammond & Williams, 2013: 116 (hosts); Webster, 2016: 487; Klingeman *et al.*, 2017: 296 (distr.).

Semantotus ligneus ligneus; Turnbow & Franklin, 1980: 342 (distr., error).

Callidium russicum Stephens, 1831: 248, pl. 22, fig. 2.

Type locality - Holotype: England, Devonshire: north of Devon. (BMNH).

Callidium Nicolas White, 1855: 321.

Callidium Nicolai; Gemminger & Harold, 1872: 2919 (cat.).

Callidium nicolas; Casey, 1912: 274.

Semanotus nicolas; Van Dyke, 1923: 50 (distr.); Essig, 1926: 455 (biol); Pack, 1930: 220 (distr.); Knowlton & Thatcher, 1936: 279 (hosts); Bedard, 1938: 193 (hosts); Townes & Townes, 1960: 148 (paras.).

Type locality- Holotype:?. (BMNH).

Anocomis lignea parvicollis Casey, 1912: 272; Lingafelter *et al.*, 2014: 89, fig. 98^a (holotype).

Semanotus ligneus parvicollis; Monné, M.A. & Giesbert, 1992: 251 (syn.); Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993h: 39 (cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); Heffern, 1998: 15 (distr.).

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

7. *Semanotus litigiosus* (Casey, 1891)

Type locality - Lectotype male: United States, California. (USNM). **Distribution** - Pacific coast, from British Columbia to southern California, west of the continental divide, Honduras. **Host plants** - *Abies balsamea* (Linnaeus) Miller, *A. bracteata* (D. Don) Poiteau, *A. concolor* Gordon & Glen, *A. grandis* (Lambert) Lindley, *A. lasiocarpa* Hooker, *A. magnifica* A. Murray, *Larix* sp., *Picea sitchensis* (Bongard) Carr, *Pseudotsuga menziesii* (Mirbel) Franco, *P. mucronata* Rafinesque, *Tsuga canadensis* (Linnaeus) Carrière (Pinaceae).

Hylotrupes litigiosus Casey, 1891: 25; Hamilton, 1892b: 298 (distr.); Garnett, 1918: 174 (distr.).

Hylotrupes ligneus var. *litigiosus*; Leng & Hamilton, 1896: 165.

Anocomis litigiosa; Casey, 1912: 273; Criddle, 1925: 98 (distr.); Hardy, 1926: 31.

Semanotus litigiosus; Aurivillius, 1912: 342 (cat.); Doane *et al.*, 1936: 181 (biol., distr.); Hardy, 1942: 11 (biol.); Leech, 1947: 108 (hosts); Knowlton & Wood, 1950: 12 (distr.); Keen, 1952: 176 (hosts); Clark, 1956: 41 (distr.); Linsley, 1964: 21; Chemsak, 1964: 190, fig. 2 (hosts); Wickman, 1965a: 162; 1965b: 11 (hosts); 1968: 208, figs 1-11 (biol.); 1969: 282 (hosts); Hatch, 1971: 112; Furniss & Carolin, 1977: 305, figs 184A, B (biol.); Cope, 1984a: 34 (hosts); Drouin, 1991: 172 (distr.); Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993h: 41 (cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); Yanega, 1996: 119, pl.12, fig. 144; Linsley & Chemsak, 1997: 433 (hosts); Heffern, 1998: 15 (distr.); Vlasák & Vlasakova, 2002: 211 (distr.); Turnbow, Cave & Thomas, 2003: 14 (distr.); Monné, M.A. & Hovore, 2006: 36 (checklist); Webster, McCorquodale & Majka, 2009: 297 (distr.); Majka & Ogden, 2010: 13, figs 2,3; McCorquodale, 2010: 468 (distr.); Hammond & Williams, 2013: 116, 118, figs (biol., hosts); Lingafelter *et al.*, 2014: 90, 367, fig. 99m (lectotype); Haack, Keena & Eyre, 2017: 78 (biol.); Rice.MacRae & Merickel, 2017: 670 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 52.

Semanotus (Anocomis) litigiosa; Van Dyke, 1937: 112 (reval.).

8. *Semanotus terminatus* (Casey, 1912)

Type locality - Holotype female: United States, Maine. (USNM). **Distribution** - Canada, United States (higher elevation sites, from Alaska to Nova Scotia, south to Colorado). **Host plants** - *Larix* sp., *Picea glauca* (Moench) Voss, *P. mariana* Britton, Sterns & Poggenburg, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Anocomis terminata Casey, 1912: 274; Leng, 1920: 276 (cat.); Lingafelter *et al.*, 2014: 331, fig. 168s (holotype).

Semanotus terminatus; Hammond & Williams, 2013: 116, 119, (reinstated, hosts, distr.); Webster, 2016: 487; Bousquet, Laplante, Hammond & Langor, 2017: 52, pl. 6

Anocomis canadensis Casey, 1924: 238; Lingafelter *et al.*, 2014: 36, 365, fig. 37i (lectotype).

Type locality - Lectotype male: Canada, Ontario: Ottawa. (USNM).

***Xylocrius* LeConte, 1873**

Xylocrius LeConte, 1873b: 296; 1873: 172; LeConte & Horn, 1883: 281; Lameere, 1883: 34; Leng, 1884: 113; Bradley, 1930: 238; Arnett, 1962: 867; Linsley, 1964: 74; Hatch, 1971: 111; Monné, M.A., 1993h: 57 (cat.); Monné, M.A. & Hovore, 2006: 36 (checklist);

Type-species - *Callidium (Phymatodes) Agassizzi* LeConte, 1861 (subsequent designation, LeConte, 1873b: 297).

1. *Xylocrius agassizzi* (LeConte, 1861)

Type locality - Holotype: United States, California: San Mateo. (MCZN). **Distribution** - Pacific coast and Rocky Mts. of North America from British Columbia to southern California and New Mexico. This species is known in Canada from the Ross River area in southern Yukon Territory and from British Columbia, as far north as the Nechako Reservoir. **Host plants** - *Ribes* sp. (Grossulariaceae).

Callidium (Phymatodes) Agassii LeConte, 1861: 357 (error).

Callidium Agassizi Gemminger & Harold, 1872: 2917 (emendation).

Xylocrius Agassizzi; LeConte, 1873a: 173. 1873b: 197; LeConte & Horn, 1883: 282; Leng, 1884: 113.

Xylocrius agassizzi; Chittenden, 1900: 91; Fall, 1901: 144 (distr.); Essig, 1915: 253, fig. 243 (biol.); Garnett, 1918: 176 (distr.); Chamberlin, 1925: 674 (biol.); Essig, 1926: 456 (biol.); Beaulne, 1932: 201 (hosts); Van Dyke, 1937: 113 (biol.); Hatch, 1938: 187; Schuh & Mote, 1948: 103 (biol.); Knowlton & Wood, 1950: 12 (distr.); Townes & Townes, 1960: 134 (paras.); Linsley, 1964: 74, fig. 24; Hatch, 1971: 117, pl. 12, fig. 10; Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993h: 57 (cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); Linsley & Chemsak, 1997: 451 (hosts); Heffern, 1998: 15 (distr.); Monné, M.A. & Hovore, 2006: 36 (checklist); Haack, Keena & Eyre, 2017: 84; Rice, MacRae & Merickel, 2017: 670 (distr.); Bezark, 2018: 42, fig. 7 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 62, pl.8

2. *Xylocrius cribratus* LeConte, 1873

Type locality - Holotype male: United States, Nevada: Virginia City. (MCZN). **Distribution** - Northern California & Sierra Nevada Mts. **Host plants** - *Prunus virginiana* Linnaeus subsp. *demissa* (Nuttall) R.L. Taylor & B. MacBryde (Rosaceae).

Xylocrius cribratus LeConte, 1873a: 172; Leng, 1884: 113; 1885: 35, pl. 1, fig. 18; Fall, 1901: 144 (distr.); Garnett, 1918: 176 (distr.); Essig, 1926: 456 (biol.); Knowlton, 1934: 86 (distr.); Van Dyke, 1937: 113 (biol.); Linsley, 1964: 75; Hatch, 1971: 117; Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993h: 57 (cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); Linsley & Chemsak, 1997: 451 (hosts); Monné, M.A. & Hovore, 2006: 36 (checklist);

CLYTINI Mulsant, 1839

Clytaires Mulsant, 1839: 27 (key), 70; 1862-63: 135; Planet, 1924: 157.

Clytiidae; Gistel, 1848a: (8).

Clytidae; Thomson, 1861: 214; 1864: 183

Clytides; Lacordaire, 1869: 57.

Clytinae; Pascoe, 1869: 553, 597; Bates, 1870: 395.

Clytini; LeConte, 1873b: 317; LeConte & Horn, 1883: 302; Leng, 1887: 194; Gahan, 1906: 239; Blatchley, 1910: 1032; Casey, 1912: 347; Aurivillius, 1912: 358 (cat.);

Bradley, 1930: 230, 238; Hopping, 1932: 530; 1937: 438; Plavilstshikov, 1940: 332; Knull, 1946: 212; Gressitt, 1951: 230; Duffy, 1953: 222; Heyrovsky, 1955: 210; Duffy, 1957: 151; 1960: 170; Arnett, 1962: 861, 886; Linsley, 1964: 76; Hatch, 1971: 100; Villiers, 1980b: 297; Monné, M.A., 1993i: 1 (cat.); Monné, M.A. 2005: 75 (cat.); Bousquet *et al.*, 2009: 43; Martins & Galileo, 2011a: 8 (rev.); Bouchard *et al.*, 2011: 469.

Clytina; Reitter, 1912: 46; Plavilstshikov, 1931: 14.

Type-genus: *Clytus* Laicharting, 1784.

Type-species: *Leptura arietis* Linnaeus, 1758 designated by Curtis (1828: pl. 199).

Neoclytinae Thomson, 1861: 137 (key), 215 (key), 219.

Type-genus: *Neoclytus* Thomson, 1861 (replacement name for *Rhopalomerus* Chevrolat, 1860)

Type-species: *Rhopalomerus cacicus* Chevrolat, 1860 designated by Thomson (1864: 193).

Cyllenitae Thomson, 1864: 184.

Comments: Family group permanently invalid because it is based on a preoccupied type genus.

Type-genus: *Cyllene* Newman, 1840 (junior homonym of *Cyllene* Gray, 1834 [Mollusca])

Type-species: *Cyllene spinifera* Newman, 1840 (monotypy).

***Calloides* LeConte, 1873**

Calloides LeConte, 1873b: 319; Provancher, 1877: 579, 597; LeConte & Horn, 1883: 304; Leng, 1887: 195; Casey, 1912: 349, 356; Bradley, 1930: 239; Hopping, 1932: 533; 1937: 439, 450; Chagnon, 1938: 255, 263; Knull, 1946: 212, 214; Chagnon & Robert, 1962: 255, 263; Arnett, 1962: 868, 887; Linsley, 1964: 97; Hatch, 1971: 118; Monné, M.A., 1993i: 16 (cat.); Monné, M.A., 2005: 76 (cat.); Monné, M.A. & Hovore, 2006: 41 (checklist); Monné, M.A., 2012: 13.

Type-species - *Clytus nobilis* Harris, 1837 (subsequent designation, Casey, 1912: 349).

1. *Calloides lorquini* (Buquet, 1859)

Type locality - Holotype: United States, California (MNHN). **Distribution** - Southern Oregon to southern California and western Nevada. **Host plants** - *Quercus chrysolepis* Liebmann, *Q. wislizenii* var. *frutescens* (Engelmann) E. Murra (Fagaceae).

Clytus Lorquini Buquet, 1859: 629; Strauch, 1861: 131.

Calloides Lorquini; LeConte, 1873b: 319; Lameere, 1883: 35 (cat.); LeConte & Horn, 1883: 304; Leng, 1887: 197.

Calloides lorquini; Fall, 1901: 146 (distr.); Wright & Coolidge, 1908: 68 (distr.); Casey, 1912: 358; Leng, 1920: 277 (cat.); Hopping, 1937: 451, pl. 3; Linsley, 1964: 98, fig. 31; Hatch, 1971: 119, pl. 13, fig. 4; Hope, 1984: 28 (hosts); Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993i: 16 (cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); Linsley & Chemsak, 1997: 353 (hosts); Monné, M.A. & Hovore, 2006: 40 (checklist); Swift, 2008a: 2 (hosts).

2. *Calloides nobilis nobilis* (Harris, 1837)

Syntypes localities - Syntypes: United States, Massachusetts: Blue Hill; Connecticut: Hartford. (MCZN). **Distribution** - Canada, United States (Eastern North America). **Host plants** - *Castanea sativa* Miller, *Quercus rubra* Linnaeus, *Q. velutina* Lamarck (Fagaceae), *Fraxinus americana* Linnaeus (Oleaceae).

Clytus nobilis Harris, 1837: 84, pl. 1, fig. 7; Chevrolat, 1838a: 119; Haldeman, 1847a: 39; Emmons, 1854: 117, pl. 8, fig. 2; Pettit, 1871: 106 (distr.)

Arhopalus nobilis; LeConte, 1850b: 18; Bland, 1861: 95

Plagyonotus nobilis; Thomson, 1861: 220.

Calloides nobilis; LeConte, 1873b: 319; Austin, 1874: 270 (distr.); Provancher, 1877: 596; Popenoe, 1877: 33 (distr.); Packard, 1881: 91 (biol.); Lameere, 1883: 35 (cat.); Snow, 1883: 42 (distr.); LeConte & Horn, 1883: 304; Lugger, 1884: 204 (hosts); Leng, 1887: 197; Harrington, 1887: 30 (biol.); Packard, 1890: 344 (biol.); Caulfield, 1890: 57 (biol.); Hamilton, 1893a: 274 (distr.); 1893b: 326 (distr.); 1895: 338 (distr.); Evans, 1895a: 142 (distr.); 1895b: 173 (distr.); Beutenmuller, 1896: 76 (hosts); Wickham, 1897a: 150; 1897b: 156 (distr.); Smith, 1900: 289 (distr.); Bowditch, 1903: 45 (distr.); Ulke, 1903: 26, 50 (distr.); Felt, 1906: 443 (biol.); Fall & Cockerell, 1907: 192 (distr.); Wickham, 1909a: 28 (distr.); Blatchley, 1910: 1035; Smith, 1910: 328; Leng, 1910: 77 (distr.); Fisher & Kirk, 1912: 311 (distr.); Casey, 1912: 357; Morris, 1916: 20 (hosts); Frost, 1916: 388 (distr.); Chagnon, 1917: 232 (distr.); Greene, 1918: 258; Nicolay, 1919: 67 (distr.); Leng, 1920: 277 (cat.); Britton, 1920: 269 (distr.); Morris, 1920a: 76 (distr.); Craighead, 1923: 51 (larva); Kirk & Knull, 1926: 40 (distr.); Leonard, 1928: 446 (distr.); Beaulne, 1932: 202 (hosts); Hopping, 1937: 451, pl. 3; Brimley, 1938: 215 (distr.); Chagnon, 1938: 263, pl., 17, fig. 9; Knull, 1946: 214, pl. 15, fig. 60; Procter, 1946: 181 (biol.); Fattig, 1947: 24 (biol.); Dillon & Dillon, 1961: 598, pl. 59, No.6; Chagnon & Robert, 1962: 263, pl. 17, fig. 9; Linsley, 1964: 99; Laliberté, Chantal & LaRoche, 1977: 91; Chemsak, Linsley & Noguera, 1992: 65 (cat.); Lingafelter, 2007: 89, 145, 2 figs, pl. 21, fig. i (hosts).

Calloides nobilis nobilis; Linsley, 1964: 99; Gosling, 1973: 69, fig. 47 (distr., biol.); Turnbow & Franklin, 1980: 343 (distr.); Gosling, 1986: 155 (hosts); Monné, M. A. 1993: 16 (cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); MacRae, 1993: 234 (distr.); i:16 (cat.); Yanega, 1996: 120, pl. 9, figs 105a, b; Linsley & Chemsak, 1997: 353 (hosts); Vlasák & Vlasakova, 2002: 211 (distr.); Monné, M.A. & Hovore, 2006: 41 (checklist); MacRae & Rice, 2007: 231 (distr., hosts); McCorquodale, 2010: 468 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 64, pl.8

2a. *Calloides nobilis mormonus* Schaeffer, 1911

Type locality - Holotype: United States, Utah: Beaver County. (USNM). **Distribution** - United States (Utah, Arizona, New Mexico and Colorado).

Calloides nobilis var. *mormonus* Schaeffer, 1911: 124; Knowlton & Thatcher, 1936: 279 (distr.); Hopping, 1937: 451.

Calloides mormonus; Casey, 1912: 359; 1924: 270

Calloides nobilis mormonus; Leng, 1920: 277 (cat.); Chemsak & Linsley, 1982a: 40; Chemsak, Linsley & Noguera, 1992: 65 (cat.); Monné, M.A., 1993i: 17 (cat.); Monné, M.A., & Giesbert, 1994: 109 (checklist); Heffern 1998: 15 (distr.); Monné, M.A. & Hovore, 2006: 41 (checklist); Lingafelter *et al.*, 2014: 108, 353, fig. 119 m (holotype).

Calloides bififormis Casey, 1912: 358; Leng, 1920: 277 (cat.); Lingafelter *et al.*, 2014: 29, 366, fig. 29m (lectotype).

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

Calloides muliebris Casey, 1912: 258; Leng, 1920: 277 (cat.); Lingafelter *et al.*, 2014: 102, fig. 113e (holotype).

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

Calloides coloradensis Casey, 1912: 358; Lingafelter *et al.*, 2014: 42, 366, fig. 44i (lectotype).

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

***Clytoleptus* Casey, 1912**

Clytoleptus Casey, 1912: 350; Bradley, 1930: 240; Hopping, 1932: 566; 1937: 439 ; Knull, 1946: 223; Dillon & Dillon, 1961: 604; Arnett, 1962: 868, 887; Linsley, 1964: 171; Monné, M.A., 1993i: 60 (cat.); Monné, M.A. & Hovore, 2006: 41 (checklist);

Type-species - *Clytus albofasciatus* Laporte & Gory, 1836 (original designation).

1. *Clytoleptus albofasciatus* (Laporte & Gory, 1836)

Type locality - Holotype: Amérique Boreale. (MVMA). **Distribution** - This species ranges from southern Quebec to eastern Nebraska, south to Oklahoma and northern Florida. It is known in Canada only from the Lower Great Lakes/St. Lawrence Lowland region, as far

north as the Berthierville area. **Host plants** - *Carya* sp. (Juglandaceae), *Vitis riparia* Michaux (Vitaceae).

Clytus albofasciatus Laporte & Gory, 1836: 96, pl. 18, fig. 113; White, 1855: 280.

Clytanthus albofasciatus LeConte, 1873b: 319; LeConte & Horn, 1883: 304; Hamilton, 1886: 113 (hosts); 1887:141 (biol.); Leng, 1887: 23; Packard, 1890: 292; Dury, 1892: 54 (biol.); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 77 (hosts); Smith, 1900: 290 (distr.); Dury, 1902: 160 (distr.); Ulke, 1903: 26, 50 (distr.); Knaus, 1905: 219 (distr.); Smith, 1910: 329; Blatchley, 1910: 1039; Fisher & Kirk, 1912: 312 (distr.).

Neoclytus albofasciatus; LeConte, 1879: 505 (distr.).

Clytoleptus albofasciatus; Casey, 1912:350; Leng, 1920: 278 (cat.); Craighead, 1923: 59 (larva); Kirk & Knull, 1926: 40 (distr.); Leonard, 1928: 447 (distr.); Hopping, 1932: 566, pl. 5, fig.10; Frost, 1937: 202 (distr.); Knull, 1946: 223, pl. 16, fig. 62; Alexander, 1958: 45 (distr.); Dillon & Dillon, 1961: 604, pl. 59, No. 8; Linsley, 1964: 172, fig. 53; Laliberté, Chantal & LaRochelle, 1977: 91 (hosts); Turnbow & Franklin, 1980: 343 (distr., hosts); Gosling, 1983: 187 (distr., biol.); Waters & Hyche, 1984: 286 (distr.); Chemsak, Linsley & Noguera, 1992: 66 (cat.); Monné, M.A., 1993i: 60 (cat.); Monné, M.A., & Giesbert, 1994: 110 (checklist); MacRae, 1993: 235 (distr.); Yanega, 1996: 120, pl. 17, figs 202a,b; Linsley & Chemsak, 1997: 355 (hosts); Heffern, 1998: 15 (distr.); Peck & Thomas, 1998: 119 (distr.); Schiefer, 2001: 334 (distr.); Monné, M.A. & Hovore, 2006: 41 (checklist); Rice & Veal, 2006: 256 (distr.); Lingafelter, 2007: 88, 145, 2 figs, pl. 21, fig. h (hosts); Holt, 2013: 247 (distr.); Klingeman *et al.*, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 73, pl. 12; Cleger & Gemmill, 2018: 3 (distr.);

Chlorophorus albofasciatus; Aurivillius, 1912: 405 (cat.).

Clytoleptus albofasciatus; Arnett, 1985: 365, fig. 24.197 (cat., error).

Clytoleptus gracilicornis Casey, 1912: 371; Lingafelter *et al.*, 2014: 70, 366, fig. 75s (lectotype).

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

Clytoleptus tristis Casey, 1912: 371; Lingafelter *et al.*, 2014: 336, fig. 173s (holotype).

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

***Clytus* Laicharting, 1784**

Clytus Laicharting, 1784: 88; Olivier, 1791: 37; Fabricius, 1801: 345; Stephens, 1831: 242; Audinet-Serville, 1834b: 83; Mulsant, 1839: 74; Laporte, 1840: 447; Blanchard, 1845: 153; Blanchard *in* Gay, 1851: 484; Chevrolat, 1860: 456; Mulsant, 1863: 142; Thomson, 1864: 186; 1865: 424; Lacordaire, 1869: 67; Pascoe, 1869: 598; Girard, 1873: 729; LeConte, 1873b: 319; Bates, 1880: 54; LeConte & Horn, 1883: 304; Leng, 1887: 195; Gahan, 1906: 240; Casey, 1912: 350, 372; Reitter, 1912: 48; Aurivillius, 1912: 368 (cat., refs.); Planet, 1924: 168; Bradley, 1930: 240; Hopping, 1932: 561; Chagnon, 1938: 255, 265; Plavilstshikov, 1940: 391; Knull, 1946: 222; Villiers, 1946: 94; Gressitt, 1951: 252; Heyrovsky, 1955: 218; Arnett, 1962: 868, 887; Robert & Chagnon, 1962: 255, 265; Linsley, 1964: 164; Hatch, 1971: 118; Monné, M.A., 1993i: 58 (cat.); Monné, M.A., 2005: 77 (cat.); Monné, M.A. & Hovore, 2006: 41 (checklist); Monné, M.A., 2012: 13; Bousquet, Laplante, Hammond & Langor, 2017: 71 (key spp.)

Type-species - *Cerambyx arietis* Linnaeus, 1758 (subsequent designation, Curtis, 1828: pl. 199).

1. *Clytus blaisdelli* Van Dyke, 1920

Type locality - Holotype: United States, California: Trinity County, Carrville.(CASC).

Distribution - United States (Northern and coastal California from Humboldt Co. south to Monterey Co.). **Host plants** - *Pinus tuberculata* Gordon, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Clytus blaisdelli Van Dyke, 1920: 39; Hopping, 1932: 564, pl. 4, fig. 16; Linsley & Usinger, 1934: 106 (distr.); Linsley, 1934: 170; Cope, 1984a: 28 (hosts); Chemsak, Linsley & Noguera, 1992: 66 (cat.); Monné, M.A., 1993i: 58 (cat.); Monné, M.A., & Giesbert, 1994: 110 (checklist); Linsley & Chemsak, 1997: 355 (hosts); Monné, M.A. & Hovore, 2006: 41 (cat.).

2. *Clytus canadensis* Hopping, 1928

Type locality - Holotype male: Canada, British Columbia: Crichton V. Lumby (CNCI).

Distribution - British Columbia and Alberta to southern Oregon, Colorado and New Mexico. **Host plants** - *Thuja plicata* Donn ex D. Don (Cupressaceae), *Abies concolor* Gordon & Glen, *Picea* sp. (Pinaceae).

Clytus canadensis Hopping, 1928b: 246; 1932: 565, pl. 4, fig. 8; Linsley, 1964: 165; Ruetter, 1970: 19 (types); Hatch, 1971: 123; Cope, 1984a: 28 (hosts); Chemsak, Linsley & Noguera, 1992: 66 (cat.); Monné, M.A., 1993i: 58 (cat.); Monné, M.A., & Giesbert, 1994: 110 (checklist); Linsley & Chemsak, 1997: 355 (hosts); Heffern, 1998: 15 (distr.); Monné, M.A. & Hovore, 2006: 41 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 72

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3. *Clytus chemsaki* Hovore & Giesbert, 1974

Type locality - Holotype male: United States, California: Los Angeles County, North slope of Mt. Wilson Road (San Gabriel Mountains) (CASC). **Distribution** - United States (California). **Host plants** - *Pseudotsuga macrocarpa* Vasey (Pinaceae).

Clytus chemsaki Hovore & Giesbert, 1974: 142, fig. 4; Chemsak, Linsley & Noguera, 1992: 66 (cat.); Monné, M.A., 1993i: 58 (cat.); Monné, M.A., & Giesbert, 1994: 110 (checklist); Monné, M.A. & Hovore, 2006: 41 (checklist); Swift, 2008a: 3 (hosts).

4. *Clytus clitellarius* (Van Dyke, 1920)

Type locality - Holotype: United States, California: near Fallen Leaf Lake, Lake Tahoe. (CASC). **Distribution** - United States (Sierra Nevada Mts. of California from Lassen Co. to Tulare Co.). **Host plants** - *Abies concolor* Gordon & Glen (Pinaceae).

Neoclytus clitellarius Van Dyke, 1920: 40.

Clytus clitellarius; Hopping, 1932: 564, pl. 5, fig. 8; Linsley, 1964: 165; Chemsak, Linsley & Noguera, 1992: 66 (cat.); Monné, M.A., 1993i: 59; Linsley & Chemsak, 1997: 355 (hosts); Monné, M.A. & Hovore, 2006: 41 (cat.)

5. *Clytus marginicollis* Laporte & Gory, 1836

Type locality - Holotype: United States, Pennsylvania. (MVMA). **Distribution** - Eastern North America from southern Canada to Florida, Kentucky and Alabama. In Canada from the Nova Scotia peninsula to the Bruce Peninsula in Ontario, north to the northern shore of the Gulf of St. Lawrence. **Host plants** - *Picea* sp., *Pinus contorta* Douglas ex Loudon, *Pinus palustris* Miller (Pinaceae).

Clytus marginicollis Laporte & Gory, 1836: 41, pl. 9, fig. 50; Haldeman, 1847c: 372; LeConte, 1850b: 26; White, 1855: 263; Bland, 1861: 96 (distr., hosts); Lacordaire, 1869: 68; LeConte, 1873b: 319; Provancher, 1877: 597; LeConte & Horn, 1883: 304; Leng, 1887: 198; Ulke, 1903: 26, 50 (distr.); Blatchley, 1910: 1040; Nicolay, 1917: 94 (biol.); Leng, 1920: 278 (cat.); Britton, 1920: 269 (distr.); Morris, 1920a: 74 (distr.); Craighead, 1923: 55 (larva); Champlain, Kirk & Knull, 1925: 139 (distr.); Kirk & Knull, 1926: 40 (distr.); Leonard, 1928: 448 (distr.); Knull, 1932: 63 (biol.); Hopping, 1932: 563, pl. 4, fig. 6 (hosts); Beaulne, 1932: 202 (hosts); Knull, 1934: 210 (biol.); Doane *et al.*, 1936: 285; Brimley, 1938: 215 (distr.); Loding, 1945: 120 (distr.); Procter, 1946: 181 (distr.); Knull, 1946: 223, pl. 16, fig. 65; Fattig, 1947: 26 (distr.); Dillon & Dillon, 1961: 603, pl. 59, No. 3; Linsley, 1964: 169, k fig. 52; Laliberté, Chantal & LaRochelle, 1977: 92 (biol.); Turnbow & Franklin, 1980: 343 (distr.); Arnett, 1985: 365, fig. 24.196; Chemsak, Linsley & Noguera, 1992: 66 (cat.); Monné, M.A., 1993i: 59 (cat.); Monné, M.A., & Giesbert, 1994: 110 (checklist); Yanega, 1996: 120, pl. 11, fig. 118; Linsley & Chemsak, 1997: 355 (hosts); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 119 (distr.); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Monné, M.A. & Hovore, 2006: 41 (checklist); Lingafelter, 2007: 58, 145, 2 figs, pl. 14, fig. g (hosts); McCorquodale, 2010: 468 (distr.); Holt, 2013: 247 (distr.); Webster, 2016: 487; Klingeman *et al.*, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 72, pl. 12

Clytus vespoides Haldeman, 1847a: 40.

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

Clytus carolinensis Casey, 1912: 372; Brimley, 1938: 215 (distr.); Lingafelter *et al.*, 2014: 37, fig. 38q (holotype).

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

6. *Clytus pacificus* (Van Dyke, 1920)

Type locality - Holotype female: United States, Oregon: Mary's Peak, near Corvallis. (CASC). **Distribution** - Pacific coast of North America from British Columbia to northern California (Shasta, Trinity, Humboldt, and Mendocino Cos.). **Host plants** - *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Clytanthus pacificus Van Dyke, 1920: 38; Hardy, 1926: 32, pl. 5, fig. 45.

Clytus pacificus; Hopping, 1932: 563, pl. 4, fig. 7; Linsley, 1964: 171; Hatch, 1971: 123; Deyrup, 1977: 182 (paras.); Chemsak, Linsley & Noguera, 1992: 66 (cat.); Monné, M. A., 1993: 59 (cat.); Monné, M.A., & Giesbert, 1994: 110 (checklist); Linsley & Chemsak, 1997: 355 (hosts); Monné.M.A. & Hovore, 2006: 41 (cat.); Bousquet, Laplante, Hammond & Langor, 2017: 72, pl.12

7. *Clytus planifrons* (LeConte, 1874)

Syntypes locality - Syntypes: United States, California. (MCZN). **Distribution** - Pacific coast of North America from British Columbia to the mountains of southern California. In Canada this species ranges from southwestern Alberta to Vancouver Island, north as far as the Skeena River area. **Host plants** - *Abies concolor* Gordon & Glen, *A. grandis* (Lambert) Lindley, *A. magnifica* A. Murray (Pinaceae).

Xylotrechus planifrons LeConte, 1874: 67;

Clytus planifrons; Lameere, 1883: 37 (cat.); Leng, 1887: 198; Harrington, 1899: 108 (distr.); Gibson, 1917: 150 (distr.); Garnett, 1918: 209 (distr.); Leng, 1920: 278 (cat.); Essig, 1926: 457; Beaulne, 1932: 202 (hosts); Hopping, 1932: 563, pl. 4, fig. 5; Doane *et al.*, 1936: 285 (biol.); Bedard, 1938: 193 (hosts); Linsley, 1964: 167, figs 50, 51; Tyson, 1966: 203 (hosts); Hatch, 1971: 123, pl. 17, fig. 2; Hovore & Giesbert, 1974: 144, fig. 5; Chemsak, Linsley & Noguera, 1992: 66 (cat.); Monné, M.A., 1993i: 59 (cat.); Monné, M.A., & Giesbert, 1994: 110 (checklist); Linsley & Chemsak, 1997: 355 (hosts); Heffern, 1998: 24 (distr.); Monné, M.A. & Hovore, 2006: 41 (cat.); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 72, pl.12

8. *Clytus ruricola* (Olivier, 1795)

Type locality - Holotype: Canada, Québec: Saint Dominique. (Depository unknown).

Distribution - In Canada from Cape Breton Island to northeastern British Columbia, south at least to Iowa, central Alabama, northern Georgia and (Fattig 1947: 26; Brownell 2014: 81). Eastern Canada and northeastern United States to South Carolina. **Host plants** - *Acer pensylvanicum* Linnaeus, *A. rubrum* Linnaeus, *A. saccharinum* Linnaeus (Aceraceae), *Heracleum lanatum* Michaux (Apiaceae), *Alnus acuminata* Kunth, *Betula lenta* Linnaeus, *Ostrya virginiana* (Miller) K. Koch (Betulaceae), *Corylus americana* (Corylaceae), *Fagus ferruginea* Aiton, *Quercus* sp. (Fagaceae), *Carya glabra* (Miller) Sweet (Juglandaceae), *Tilia americana* Linnaeus (Malvaceae), *Pyrus malus* Linnaeus, *Sorbus* sp. (Rosaceae).

Callidium ruricola Olivier, 1795: 65, pl. 8, fig. 96.

Clytus ruricola; Schonherr, 1817: 467; Laporte & Gory, 1836: 56, pl. 11, fig. 65; Haldeman, 1847c: 372 (syn.); LeConte, 1850b: 27; White, 1855: 268; Bland, 1861: 96 (distr.); Hopping, 1932: 562, pl. 4, fig. 9; Chagnon, 1938: 265, pl. 18, fig. 1; Knull, 1946: 222; Fattig, 1947: 26; Dillon & Dillon, 1961: 603, pl. 59, No 5; Chagnon & Robert, 1962: 265, pl. 18, fig. 1; Linsley, 1964: 168, fig. 50; Gosling, 1973: 82 (biol., distr.); Stein & Tigestad, 1976: 6 (distr.); Laliberté, Chantal & LaRochelle, 1977: 92 (biol.); Turnbow & Franklin, 1980: 343 (distr.); Hansen & Osgood, 1983: 149 (biol.); Gosling, 1986: 155 (hosts); Chemsak, Linsley & Noguera, 1992: 66 (cat.); Monné, M.A., 1993i: 60 (cat.); Monné, M.A., & Giesbert, 1994: 110 (checklist); Yanega, 1996: 120, pl. 11, fig. 119; Krinsky & Godwin, 1996: 238 (hosts);

Linsley & Chemsak, 1997: 255 (hosts); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Monné, M.A. & Hovore, 2006: 41 (checklist); Rice & Veal, 2006: 257 (distr., hosts); MacRae & Rice, 2007: 231 (biol., distr.); Majka, McCorquodale & Smith, 2007: 261 (distr.); Lingafelter, 2007: 58,145, 2 figs, pl. 14, fig. f (hosts); McCorquodale, 2010: 468 (distr.); Holt, 2013: 247 (distr.); Steury & MacRae, 2014: 10 (distr.); Webster, 2016: 487; Klingeman *et al.*, 2017: 296 (distr.); DiGirolomo & Dodds, 2017: 410 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 72, pl. 12

Clytanthus ruricola; LeConte, 1873b: 319; Henshaw, 1874: 22 (distr.); Provancher, 1877: 602; Gardiner, 1879: 213 (distr.); LeConte & Horn, 1883: 304; Horn, 1886a: 139; Leng, 1887: 8; Hamilton, 1887: 141 (biol.); 1893a: 274 (distr.); 1893b: 326 (distr.); Harrington, 1887: 30 (biol.); 1894: 15 (distr.); Hopkins, 1893: 195; Hamilton, 1895: 338 (distr.); Slosson, 1895b: 319 (distr.); Evans, 1895b: 173 (distr.); Wickham, 1897a: 152; 1897b: 157 (distr.); Smith, 1900: 290 (distr.); Dury, 1902: 160 (distr.); Ulke, 1903: 26, 50 (distr.); Chagnon, 1905: 35 (distr.); Morris, 1909: 417 (biol.); Smith, 1910: 329; Leng, 1910: 77 (distr.); Blatchley, 1910: 1039; Fisher & Kirk, 1912: 312 (distr.); Casey, 1912: 370; Lovell, 1915:114; Johnson, 1916: 119 (distr.); Chagnon, 1917: 232 (distr.); Nicolay, 1917: 94 (distr.); 1919: 67 (distr.); Morris, 1920a: 73; Craighead, 1923: 59, pl. 19, fig. 11 (larva); Blackman & Stage, 1924: 107.

Anthoboscus ruricola; Leng, 1920: 278 (cat.); Britton, 1920: 269 (distr.); Hatch, 1925: 580 (distr.); Kirk & Knull, 1926: 40; Fletcher, 1926: 143 (distr.); Brues, 1927: 77; Procter, 1927: 113 (distr.); Leonard, 1928: 447 (distr.); Criddle, 1928: 47 (distr.); Knull, 1930b: 102 (hosts); 1932: 63; 1934b: 210 (hosts); Beaulne, 1932: 202 (hosts); Brimley, 1938: 215 (distr.); Sherman, 1946: 127 (distr.); Procter, 1946: 181 (biol.).

Clytus hamatus Say, 1824: 423; 1828: 118, pl. 53; Emmons, 1854: 118, pl. 8, fig. 7; LeConte, 1859c: 200, pl. 53, fig. 4.

Type locality - Holotype: United States, Illinois: near Illinois River (Depository unknown).

Clytanthus catulus Casey, 1912: 370; Lingafelter *et al.*, 2014: 38, fig. 39m (holotype).

Anthoboscus catulus; Leng, 1920: 278 (cat.).

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

***Euryscelis* Dejean, 1835**

Euryscelis Dejean, 1835: 331; 1837: 357; Chevrolat, 1862c: 530; Thomson, 1864: 193; 1865: 426; Lacordaire, 1869: 75; Leng, 1887: 195; Bradley, 1930: 239; Hopping, 1932: 560; Cazier & Lacey, 1952: 35; Arnett, 1962: 868, 887; Linsley, 1964: 163; Monné, M.A., 1993i: 26 (cat.); Monné, M.A., 2005: 78 (cat.); Monné, M.A. & Hovore, 2006: 42 (checklist); Monné, M.A., 2012: 13; Bousquet & Bouchard, 2013: 81.

Type-species - *Callidium suturale* Olivier, 1795 (monotypy).

1. *Euryscelis suturalis* (Olivier, 1795)

Type locality - Holotype male: Santo Domingo. (BMNH). **Distribution** - United States (Florida), Hispaniola, Puerto Rico, Bahamas, Cayman Islands. **Host plants** - *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Sideroxylon foetidissimum* Jacquin (Sapotaceae).

Callidium suturale Olivier, 1795: (70) 62, pl. 7, fig. 91.

Clytus suturalis; Schoenherr, 1817: 473; Laporte & Gory, 1836: 15, pl. 4, fig. 16; White, 1855: 254.

Euryscelis suturalis; Dejean, 1835: 331; 1837: 357; Chevrolat, 1862c: 529; Thomson, 1864: 193; Lacordaire 1869: 75; Leng, 1887: 8; Gahan, 1895: 114; Leng & Mutchler, 1914: 447 (distr.); Nicolay, 1919: 67 (distr.); Wolcott, 1924: 110 (distr.); Blatchley, 1928: 70 (distr.); 1930: 33 (distr.); Hopping, 1932: 560, pl. 4, fig. 4; pl. 5, fig. 11; Wolcott, 1936: 262 (distr.); 1941: 99 (distr.); Martorell, 1945: 283, 441 (hosts); Wolcott, 1948: 339; Cazier & Lacey, 1952: 35; Duffy, 1960: 177 (hosts); Linsley, 1964: 163; Chemsak, 1967a: 186, figs 7, 8; Chemsak, Linsley & Noguera, 1992: 66 (cat.); Browne, Peck & Ivie, 1993: 47 (distr., hosts); Monné, M.A., 1993i: 26 (cat.); Monné, M.A., & Giesbert, 1994: 110 (checklist); Linsley & Chemsak, 1997: 377 (hosts); Peck & Thomas, 1998: 119 (distr.); Monné, M.A., 2001: 28 (cat. hosts); Peck, 2005: 172 (distr.); Monné, M.A., 2005: 78 (cat.); Ray, Lacey & Hanks,

2006: 545 (pheromones); Monné, M.A. & Hovore, 2006: 42 (checklist); Lingafelter, 2007: 71, 146, pl. 17a; Perez-Gelabert, 2008: 117 (distr.); Turnbow & Thomas, 2008: 19 (distr.); Micheli, 2010: 88, pl. 13; Thomas, Turnbow & Steiner, 2013: 19 (distr.).

Euryxelis suturalis; Russo, 1930: 142 (error).

Euryscelis dejeanii Chevrolat, 1862c: 530; Lacordaire, 1869: 75; Gahan, 1895: 115; Leng & Mutchler, 1914: 447 (distr.).

Type locality - Holotype female: Santo Domingo. (BMNH).

Euryscelis megalopus Casey, 1924: 271; Lingafelter *et al.*, 2014: 97, figs 107k, l (holotype).

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

Euryscelis subtropica Casey, 1924: 271; Lingafelter *et al.*, 2014: 329, figs 163q, r (holotype).

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

***Glycobius* LeConte, 1873**

Glycobius LeConte, 1873b: 319; Provancher, 1877: 579, 594; Casey, 1912: 349, 356; Bradley, 1930: 239; Hopping, 1932: 533; 1937: 439, 449; Chagnon, 1938: 255, 262; Knull, 1946: 213; Dillon & Dillon, 1961: 598; Arnett, 1962: 868, 886; Chagnon & Robert, 1962: 255, 262; Linsley, 1964: 95; Monné, M.A. 1993i: 15 (cat.); Monné, M.A. & Hovore, 2006: 42 (checklist);

Arhopalus Lacordaire, 1869: 64 (not Audinet-Serville, 64).

Plagionotus LeConte & Horn, 1883: 304; Leng, 1887: 195; Blatchley, 1910: 1034 (not Mulsant, 1842)

Type-species - *Clytus speciosus* Say, 1828 (original designation).(not Adams, 1817).

1. *Glycobius speciosus* (Say, 1824)

Syntypes localities - Syntypes: United States, Wisconsin, Wisconsin River, Pennsylvania. (Depository unknown). **Distribution** - From Nova Scotia at least to southwestern Michigan, south to Missouri and northern Georgia. **Host plants** - *Acer rubrum* Linnaeus, *A. saccharinum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Picea glauca* (Moench) Voss (Pinaceae).

Clytus speciosus Say, 1824: 290; 1828: 628, pl. LIII; Laporte & Gory, 1836: 39, pl. 8, fig. 48; Harris, 1838: 93; 1841: 84; Fitch, 1845: 250; Haldeman, 1847a: 39; LeConte, 1850a: 234; Emmons, 1854: 117, pl. 16, fig. 10; LeConte, 1859c: 193, pl. 53, fig. 1; Riley, 1866: 73; Pettit, 1871: 106 (distr.); Clementi, 1872: 37 (distr.); Packard, 1872: 496 (biol.); Reed, 1873: 35, fig. 26 (biol.); Bethune, 1877a: 23; 1877b: 221; Rogers, 1880: 149, fig. 21 (biol.).

Arhopalus speciosus; LeConte, 1850b: 17 (hosts); Lacordaire, 1869: 64; Walsh & Riley, 1869d: 146 (biol.).

Clytus (Plagionotus) speciosus. Chevrolat, 1860: 456.

Glycobius speciosus; LeConte, 1873b: 319; Provancher, 1877: 595, fig. 46; Popenoe, 1877: 33 (distr.); Riley, 1880: 239 (hosts); Bell, 1881: 236 (hosts); Packard, 1881: 103, fig. 45 (biol.); 1884: 1151 (biol.); Riley, 1885: 382 (biol.); Lintner, 1887: 103 (biol.); Harrington, 1887: 29, fig. 13 (biol.); Lintner, 1889a: 579 (biol.); Packard, 1890: 374, figs 137-140 (biol.); Lintner, 1892: 202, fig. 45 (biol.); 1895: 583 (biol.); Fyles, 1896: 24, fig. 8 (biol.); Casey, 1912: 356; Britton, 1920: 269 (distr.); Leng, 1920: 277 (cat.); Kirk & Knull, 1926: 39 (distr.); Leonard, 1928: 446 (distr.); Craighead & Middleton, 1930: 7 (biol.); Beaulne, 1932: 202 (hosts); Belkin, 1934: 222 (distr.); Herrick, 1935: 177, figs 147, 149 (biol.); Dunn, 1936: 8 (hosts); Hopping, 1937: 450, pl. 3 (hosts); Chagnon, 1938: 262, pl.17, fig. 8; Loding, 1945: 119 (distr.); Knull, 1946: 214, pl. 15, fig. 61; Craighead, 1950: 260, fig. 52E; Shenefelt & Benjamin, 1955: 92 (biol.); Anderson, 1960: 275, 282, fig.11.8 (hosts); Dillon & Dillon, 1961: 598, pl. 59, No.4; Chagnon & Robert, 1962: 262, pl. 17, fig. 8; Linsley, 1964: 95, fig. 30-1; Baker, 1972: 180 (biol.); Swan & Papp, 1972: 448, fig. 950; Gosling, 1973: 79 (biol., distr.); Laliberté, Chantal & LaRochelle, 1977: 93 (hosts); Aube *et al.*, 1978: 56; Turnbow & Franklin, 1980: 343 (distr.); Chemsak, Linsley & Noguera, 1992: 66 (cat.); Monné, M.A., 1993i: 15 (cat.); Monné, M.A., & Giesbert, 1994: 110 (checklist); MacRae, 1993: 233 (distr.); Yanega, 1996: 120, pl. 10, fig. 112; Linsley & Chemsak, 1997: 378 (hosts); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Monné, M.A. & Hovore, 2006: 42 (checklist);

- Lingafelter, 2007: 64, 147, 2 figs, pl. 11, fig. h (hosts); Majka, McCorquodale & Smith, 2007: 261 (distr.); Holland, 2009a: 54 (distr.); Webster, McCorquodale & Majka, 2009: 297 (distr., hosts); McCorquodale, 2010: 469 (distr.); Holt, 2013: 247 (distr.); Webster, 2016: 487; Haack in Wang, 2017: w/page fig. 11.7 (biol., hosts); Bousquet, Laplante, Hammond & Langor, 2017: 64, pl.89; Bezark, 2018: 40 (distr.).
- Plagionotus speciosus*; LeConte & Horn, 1883: 304; Leng, 1887: 197; Townsend, 1889: 233 (distr.); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 76 (hosts); Wickham, 1897b: 156 (distr.); 1897a: 150, fig. 24; Kirkland, 1897: 30; Lintner, 1898: 237, pl. 7 (biol.); Felt, 1899b: 49, pl. 3, fig. 1; 1900b: 581 (biol.); 1900a: 19, figs 26, 27 (biol.); Smith, 1900: 289, fig. 129; Jenkins & Britton, 1900: 13, pl. 4, figs. 7, 10, pl. 5, fig. 11 (biol.); Dury, 1902: 160 (distr.); Hopkins, 1904: 35 (biol.); Felt, 1905: 31, figs, 2-4, pl. 2, figs 1-6 (biol.); 1908: 40 (biol.); Morris, 1909: 412 (biol.); Wickham, 1909a: 28 (distr.); Smith, 1910: 328, fig. 132; Blatchley, 1910: 1034, fig. 440; Johnson, 1915: 315 (distr.); Morris, 1916a: 21 (hosts); 1916b: 297 (biol.); Frost, 1916: 289; Blackman & Ellis, 1916: 60, figs 27, 29 (biol.); Chagnon, 1917: 232 (distr.); Kotinsky, 1921: 53, fig. 33 (biol.); Craighead, 1923: 53 (larva); Park, 1931: 194.
- Glycobius (Plagionotus) speciosus*; Doane *et al.*, 1936: 183 (biol.).
- Clytus Hayii* Gray, 1831: s/p, pl. 65, fig. 6, pl. 73, figs 6a-d; White, 1855: 262.
- Callidium (Clytus) Haiji*; Gray, 1832: 118.
- Glycobius Hayi*; Lameere, 1883: 35 (cat.).
- Type locality** - Holotype: Tannaserim Coast. (BMNH).
- Clytus Westermanni* Motschulsky, 1856: 24
- Type locality** - Canada. (ZMUC)

Megacheuma Mickel 1919

- Megacheuma* Mickel, 1919: 198; Hopping, 1937: 449, 446; Arnet, 1962: 868, 886; Linsley, 1964: 90; Hatch, 1971: 118; Monné, M. A., 1993i: 13 (cat.); Monné, M.A. & Hovore, 2006: 43 (checklist);
- Type-species** - *Megacheuma melanosticum* Mickel, 1919 (original designation) (= *Cyllene brevipennis* LeConte, 1873).

1. *Megacheuma brevipennis* (LeConte, 1873)

- Type locality** - Holotype: United States, Utah. (MCZN). **Distribution** - Great Basin to California and Oregon. **Host plants** - *Atriplex* sp., *Sarcobatus vermiculatus* (Hooker) Torrey (Chenopodiaceae).
- Cyllene brevipennis* LeConte, 1873a: 197; Lameere, 1883: 36 (cat.); Casey, 1912: 351
- Cyllene decora* ab. *brevipennis*; Aurivillius, 1912: 384 (cat.).
- Megacheuma brevipennis*; Hopping, 1937: 447, pl. 3 (syn.); Linsley, 1964: 90, fig. 30-3; Barr & Penrose, 1969: 91 (distr., hosts); Hatch, 1971: 119, pl.13, fig.3; Hovore, 1979: 461; Bechtel, Hanks & Rust, 1983: 474 (distr.); Chemsak, Linsley & Noguera, 1992: 67 (cat.); Linsley & Chemsak, 1997: 395 (hosts).
- Megacheuma brevipennis brevipennis*; Monné, M.A., 1993i: 13 (cat.); Monné, M.A., & Giesbert, 1994: 111 (checklist); Heffern, 1998: 15 (distr.); Monné, M.A. & Hovore, 2006: 43 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.).
- Megacheuma melanosticum* Mickel, 1919: 199, figs 1-3.
- Type locality** - Holotype female: United States, Wyoming: Big Horn Basin. (University of Nebraska State Museum).

1a. *Megacheuma brevipennis tiemanni* Hovore, 1979

- Type locality** - Holotype male: United States, California: Kern County, 5 miles North of China Lake. (CASC). **Distribution** - United States (California). **Host plants** - *Atriplex parryi* Watson (Chenopodiaceae).
- Megacheuma brevipennis tiemanni* Hovore, 1979: 459, fig. 1; Chemsak, Linsley & Noguera, 1992: 67 (cat.); Monné, M.A., 1993i: 13 (cat.); Monné, M.A., & Giesbert, 1994: 111

(checklist); Linsley & Chemsak, 1997: 395 (hosts) ; Monné, M.A. & Hovore, 2006: 43 (cat.); Monné, M.A. & Hovore, 2006: 42 (checklist);

***Megacyllene* Casey, 1912**

Megacyllene Casey, 1912: 348, 351; Bradley, 1930: 239; Fisher, 1945: 251; Knull, 1946: 212; Arnett, 1962: 868, 886; Linsley, 1964: 78; Hatch, 1971: 118; Villiers, 1980b: 297; Monné, M.A., 1993i: 1 (cat.); Di Iorio, 1995: 323 (key spp.); 1998: 12 (key spp.); Monné, M.A., 2005: 85 (cat.); Martins & Galileo, 2011a: 17 (syn., key spp.); Carelli & Monné, M.A., 2011: 159 (rev.); Monné, M.A., 2012: 13.

Type-species - *Clytus antennatus* White, 1855 (original designation).

Cyllene Newman, 1840b: 7 (not Gray, 1834); Chevrolat, 1860: 453; Thomson, 1861: 215; Chevrolat, 1861: 247; Thomson, 1864: 184; Lacordaire, 1869: 92; Bates, 1870a: 395; LeConte, 1873b: 318; Provancher, 1877: 579, 593; LeConte & Horn, 1883: 303; Leng, 1887: 194; Blatchley, 1910: 1033; Casey, 1912: 348, 351; Bradley, 1930: 239; Hopping, 1932: 533; 1937: 439, 440; Linsley, 1938: 109; Chagnon, 1938: 262; Chagnon & Robert, 1962: 255, 262; Bousquet, Laplante, Hammond & Langor, 2017: 62 (key spp.)

Type-species - *Cyllene spinifera* Newman, 1840 (Chevrolat designation, 1860: 453).

Megacyllene (*Megacyllene*); Di Iorio, 1998: 14; Monné, M.A. & Hovore, 2006: 43 (checklist);

Megacyllene (*Sierracyllene*) Tippmann, 1960: 133; Di Iorio, 1998: 12 (key spp.); Monné, M.A., 1993i: 12 (cat.); Monné, M. A., 2005: 94 (cat.).

Type-species - *Megacyllene* (*Sierracyllene*) *horioni* Tippmann, 1960 (original designation).

1. *Megacyllene angulifera* (Casey, 1912)

Type locality - Holotype female: United States, Kansas. (USNM). **Distribution** - Canada (Alberta, Manitoba), USA (Arizona, Colorado, Indiana, Kansas, Minnesota, Montana, Nebraska, North Dakota, Oklahoma, South Dakota, Texas, Wyoming). **Host plants** - *Dalea candida* Michaux ex Willdenow (Fabaceae), *Maclura pomifera* (Rafinesque) C. Schneider (Moraceae), *Malus* sp. (Rosaceae).

Cyllene angulifera Casey, 1912: 354; Knaus, 1914: 91; Hopping, 1937: 446, pl. 1

Megacyllene angulifera; Linsley, 1964: 89, fig. 25-4; Stein & Tagedstad, 1976: 18, fig. 8; Chemsak, Linsley & Noguera, 1992: 67 (cat.); Monné, M.A., 1993i: 3 (cat.); Monné, M.A., & Giesbert, 1994: 112 (checklist); Yanega, 1996: 120, pl. 10, figs 108a-b; Heffern, 1998: 15 (distr.); Blodgett, Ivie & Majerus, 2005: 258 (distr., hosts); Hart & Ivie, 2013: 91, figs. 1-4 (syn. biol.); Lingafelter *et al.*, 2014: 16, fig. 16c (holotype); Bousquet, Laplante, Hammond & Langor, 2017: 63, pl.9

Megacyllene (*Megacyllene*) *angulifera*; Monné, M.A. & Giesbert, 1994: 112 (cat.); Monné, M.A. & Hovore, 2006: 43 (checklist);

Megacyllene comanchei Rice & Morris, 1992: 200, fig. 1; MacRae & Rice, 2007: 237 (biol., distr.); Lingafelter *et al.*, 2014: 43, fig. 45a (holotype).

Megacyllene (*Megacyllene*) *comanchei*; Monné, M.A., & Giesbert, 1994: 112 (cat.).

Type locality - Holotype male: United States, Texas: Crosby County, White River Lake. (USNM).

2. *Megacyllene antennata* (White, 1855)

Type locality - Holotype: West coast of America. (BMNH). **Distribution** - Southwestern United States, from Texas to southern California, Mexico (Baja California, Sonora, Sinaloa).

Host plants - *Acacia greggii* A. Grey, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Clytus antennatus White, 1855: 252.

Cyllene antennatus; Horn, 1880a: 135; Riley, 1880: 239 (biol.); Packard, 1881: 133 (biol.); Leng, 1887: 195, 196; Packard, 1890: 670 (biol.); Horn, 1894: 339 (distr.); Beutenmuller, 1896: 76 (hosts); Griffith, 1900: 569 (distr.); Fall, 1901: 146 (distr.); Grossbeck, 1912: 325 (distr.); Garnett, 1918: 209 (distr.); Craighead, 1920: 207 (biol.); Craighead & Hofer, 1921: 6, figs 3, 5-8 (larva, hosts); Craighead, 1923: 33 (larva); Beaulne, 1932: 33 (larva); Hopping, 1937: 441, pl. 1.

Cyllene antennata; Bates, 1885: 295; Saalas, 1936: 100; Linsley, 1942: 54 (distr.).

Megacyllene antennata; Casey, 1912: 348, 351; Linsley, 1964: 79, figs 25, 50; Hatch, 1971: 118, pl. 13, fig. 1; Baker, 1972: 178 (biol.); Rogers, 1977a: 227 (hosts); Hovore, Penrose & Giesbert, 1978: 98 (hosts); Chemsak, Linsley & Noguera, 1992: 67 (cat.); Monné M. A., 1993i: 3 (cat.); Monné, M.A., & Giesbert, 1994: 112 (checklist); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 395 (hosts); Monné, M.A., 2001a: 32 (cat. hosts); Monné, M.A., 2005: 87 (cat.); Monné, M.A. & Hovore, 2006: 43 (checklist); Ray, Lacey & Hanks, 2006: 546 (pheromones); Noguera *et al.*, 2009: 87 (distr.); Gutiérrez & Noguera, 2015: 142 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465

Megacyllene antennatus; Essig, 1926: 456 (biol.); St. George, 1929: fig. 17 (larva); Doane *et al.*, 1936: 182 (biol.); Moore, 1937: 90 (distr.); Craighead, 1950: 242 (biol.); Keen, 1952: 198 (hosts); Linsley, Knull & Statham, 1961b: 19, fig. 8 (distr., hosts); Gerhardt & Turley, 1963: 270, 2 figs

Arhopalus eurystethus LeConte, 1858b: 82; 1859b: 127, pl. 13, fig. 9; 1861: 335 (distr.).

Clytus eurystethus; Gemminger & Harold, 1872: 2928 (cat.).

Syntypes locality - Syntypes: Sonora. (MCZN).

3. *Megacyllene caryae* (Gahan, 1908)

Type locality - Lectotype male: North America. (BMNH). **Distribution** - Eastern Canada and eastern United States to Texas and northern Mexico (Durango, Tamaulipas, Nuevo León, Chihuahua, Coahuila). **Host plants** - *Cercis canadensis* Linnaeus, *Gleditschia triacanthos* Linnaeus (Caesalpiniaceae), *Celtis laevigata* Willdenow, *C. occidentalis* Linnaeus (Cannabaceae), *Quercus* sp. (Fagaceae), *Carya cordiformis* (Wagenheim) K. Koch, *C. glabra* (Miller) Sweet, *C. ovata* (Miller) K. Koch, *C. pecan* (Marshall) Engler & Graebner, *Juglans cinerea* Linnaeus, *J. nigra* Linnaeus (Juglandaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Maclura pomifera* (Rafinesque) C. Schneider, *Morus rubra* Linnaeus (Moraceae), *Fraxinus americana* Linnaeus (Oleaceae), *Prunus* sp. (Rosaceae), *Ulmus* sp. (Ulmaceae), *Vitis* sp. (Vitaceae).

Cyllene caryae Gahan, 1908: 141; Leng, 1908: 242; Wickham, 1909a: 28 (distr.); Fisher & Kirk, 1912: 311 (distr.); Dusham, 1921: 175, 2 pls (biol., refs); Craighead, 1923: 52, pls 15, 18, 20, 21, 26 (larva, pupa); Kirk & Knull, 1926: 39 (distr.); Leonard, 1928: 445 (distr.); Knull, 1928b: 316 (hosts); St. George, 1929: 8, figs 15, 19 (biol.); Ware, 1929: 368 (distr.); Craighead & Middleton, 1930: 12 (biol.); Goldman, 1933: 89, pl. 5, fig. 15; Herrick, 1935: 117, figs 84, 85, 301 (biol.); Doane *et al.*, 1936: 183 (biol.); Hopping, 1937: 442, pl. 1; Zacher, 1937: 500, 1 fig. (biol.); Brimley, 1938: 215 (distr.); King, 1943: 180, fig. 3 (biol.); Blair, 1948: 123, pl. D, fig. 4 (hosts); Duffy, 1953: 229 (hosts); Chagnon & Robert, 1962: 262; Chemsak, 1967b: 75 (lect.).

Megacyllene caryae; Knull, 1946: 213; Vogt, 1949: 143 (distr., hosts); Craighead, 1950: 242 (biol.); Linsley, 1964: 83; Baker, 1972: 178 (biol.); Swan & Papp, 1972: 448, fig. 947; Gosling, 1973: 79, fig. 45 (biol., distr.); Hovore, Penrose & Neck, 1987: 306 (biol.); Chemsak, Linsley & Noguera, 1992: 67 (cat.); Monné, M. A., 1993i: 4 (cat.); Monné, M.A., & Giesbert, 1994: 112 (checklist); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 395 (hosts); Heffern, 1998: 15 (distr.); Schiefer, 1998: 119 (distr.); Monné, M.A., 2001a: 32 (cat. hosts); Monné, M.A., 2005: 87 (cat.); Vlasák & Vlasakova, 2002: 211 (distr.); Ruiz Cancino & Coronado Blanco, 2002: 103 (distr.); Ginzler & Hanks, 2005: 214 (biol., hosts); Monné, M.A. & Hovore, 2006: 43 (checklist); Ginzler *et al.*, 2006: 435 (pheromone); Ray, Lacey & Hanks, 2006: 546 (pheromone); Lingafelter, 2007: 60, 147, 2 figs, pl. 12, fig. b (hosts); Lacey *et al.*, 2008: 408 (pheromone); Holland, 2009b: 230 (biol.); Mitchell *et al.*, 2012: 499 (pheromone); Holt, 2013: 247 (distr.); Hanks & Wang, 2017: 134 (biol.); Klingeman *et al.*, 2017: 296 (distr.); Mitchell *et al.*, 2017: 75 (biol.); Bousquet, Laplante, Hammond & Langor, 2017: 63, pl. 9; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465

Clytus pictus; Fitch, 1845: 250 (not Drury, 1773); Jaeger, 1853: 79, pl. 3, fig. 13; Jaeger, 1859: 55, fig. 13 (biol.); Walsh, 1863: 8; 1864: 420 (biol.); 1865a: 384 (biol.); 1866a: 29, fig. 6 (biol.); 1866b: 89; 1867b: 85, 107 (larva, biol.); Packard, 1872: 497, fig. 485; Moffat, 1882: 200 (biol.).

Arhopalus pictus; Horn, 1861: 30 (not Drury, 1773); Walsh, 1865b: 204; Walsh & Riley, 1869b: 148; 1869a: 58.

Cyllene pictus; Provancher, 1877: 594 (not Drury, 1773); Popenoe, 1877: 33 (distr.); Riley, 1880: 239 (biol.); Horn, 1880a: 134, 135, pl. 2, fig. 8g; 1882: 240; Harrington, 1884: 46 (biol.); Leng, 1887: 196; Packard, 1890: 287, 329, 358, fig. 12 (biol.); Gahan, 1892a: 273; Lintner, 1892: 175, fig. 128 (biol.); Hopkins, 1893: 194 (biol.); Hamilton, 1895: 338 (distr.); Britton, 1896: 141 (biol.); Webster, 1897: 81 (biol.); Wickham, 1897a: 149; Felt, 1898: 360 (biol.); Lugger, 1899: 202, pl. 4, fig. 22; Ulke, 1903: 26 (distr.); Felt, 1906: 264, pl. 15, figs 7-12 (biol.); Fall & Cockerell, 1907: 192 (distr.); Blatchley, 1910: 1033; Daecke, 1910: 332; Nicolay, 1919: 67 (distr.); Craighead, 1920: 107 (contr.); 1921: 198 (biol.); Champlain, 1922: 98 (paras.); Beaulne, 1932: 202 (hosts); Dunn, 1936: 8 (hosts); Craighead, 1950: 242 (biol.).

Cyllene picta; LeConte, 1880a: 237 (hosts); (not Drury, 1773); Packard, 1881: 70, 75, 90, 95, fig. 30 (biol.); Chittenden, 1893: 248 (paras.); Hopkins, 1894: 146 (biol.); Beutenmuller, 1896: 76 (hosts); Ehrmann, 1897: 168 (hosts); Hopkins, 1898b: 46 (biol.); Dury, 1902: 160 (distr.); Hopkins, 1904: 36.

Megacyllene pictus; Townes & Townes, 1960: 140 (paras., not Drury, 1773).

4. *Megacyllene decora* (Olivier, 1795)

Type locality - Holotype: United States, New York. (MNHN). **Distribution** - Great Plains region from Alberta and Manitoba to Indiana south to Kansas and Texas, east to North Carolina, Georgia, and Alabama. **Host plants** - *Amorpha fruticosa* Linnaeus (Fabaceae).

Callidium decorum Olivier, 1795: 63, pl. 8, fig. 92.

Clytus decorus; Schoenherr, 1817: 460; Laporte & Gory, 1836: 14, pl. 4, fig. 15; Haldeman, 1847a: 39; White, 1855: 254; LeConte, 1873b: 336; Heyne & Taschenberg, 1907: 240, pl. 36, fig. 18.

Arhopalus decorus: LeConte, 1850b: 18.

Clytus (Plagionotus) decorus; Chevrolat, 1860: 456.

Cyllene decorus; Horn, 1880a: 134, 136, pl. 2, figs 8b,d,g; 1886: 139; Leng, 1887: 196; Lugger, 1899: 202, fig. 121-2; Fall & Cockerell, 1907: 192 (distr.); Wickham, 1909a: 28 (distr.); Beaulne, 1932: 202 (hosts).

Cyllene decora; Casey, 1912: 354; Kirk & Knull, 1926: 39 (distr.); Hopping, 1928a: 8 (syn.); 1937: 444, pl. 2; Brimley, 1938: 215 (distr.); Loding, 1945: 119 (distr.).

Megacyllene decora; Knull, 1946: 213; Linsley, 1964: 87, fig. 27; Kirk & Balsbaugh, 1975: 98 (distr.); Perry, 1977: 98 (distr.); Turnbow & Franklin, 1980: 342 (distr.); Chemsak, Linsley & Noguera, 1992: 67 (cat.); MacRae, 1993: 233 (distr.); Monné, M.A., 1993i: 6 (cat.); Monné, M.A., & Giesbert, 1994: 112 (checklist); Yanega, 1996: 120, pl. 10, figs 107a-d; Linsley & Chemsak, 1997: 396 (hosts); Peck & Thomas, 1998: 119 (distr.); Heffern, 1998: 16 (distr.); Lingafelter, 2007: 59, 147, 2 figs, pl. 11, fig. j (hosts); Holt, 2013: 247 (distr); Bousquet, Laplante, Hammond & Langor, 2017: 63, pl.9

Megacyllene (Megacyllene) decora; Monné, M.A., & Giesbert, 1994: 112 (cat.); Schiefer, 1998: 119 (distr.); Monné, M.A. & Hovore, 2006: 43 (checklist);

Clytus charus Say, 1835: 193; Haldeman, 1847a: 39; White, 1855: 263; LeConte, 1859c: 664.

Arhopalus charus; LeConte, 1850b: 17; 1852: 68; 1859c: 20, 48, pl. 1, fig. 16.

Clytus (Plagionotus) charus; Chevrolat, 1860: 456.

Cyllene charus; Lacordaire, 1869: 63; Popenoe, 1877: 33 (distr.).

Cyllene decorus var. *charus*; Horn, 1880a: 136, pl. 2, fig. 8c.

Cyllene chara; Casey, 1912: 355; 1913: 387; Leng, 1920: 286 (cat.); Knaus, 1926: 265 (biol.); Loding, 1933: 148 (distr.); Whelan, 1936: 114 (distr.).

Megacyllene decora var. *chara*; Alexander, 1958: 48 (distr.).

Syntype locality - Syntypes female: United States, Indiana. (Depository unknown).

Arhopalus infaustus LeConte, 1850b: 17.

Clytus infaustus; Gemminger & Harold, 1872: 2930 (cat.).

Cyllene decorus var. *infaustus*; Popenoe, 1878: 83 (distr.); Snow, 1878b: 76 (distr.); Horn, 1880a: 136, pl. 2, fig. 8a; Fall & Cockerell, 1907: 192 (distr.).

Cyllene infausta; Craighead, 1923: 140 (larva); Hopping, 1937: 445 (type locality).

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

Cyllene chara kansana Casey, 1912: 355; Lingafelter et al., 2014: 40, 366 fig. 41q (lectotype).

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

Cyllene chara solida Casey, 1912: 355; 1913: 387; Lingafelter et al., 2014: 40, 366 fig. 41s (lectotype).

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

Cyllene chara genitiva Casey, 1912: 355; Leng, 1920: 387 (cat.); Lingafelter et al., 2014: 40, fig. 41o (holotype).

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

5. *Megacyllene lutosus* (LeConte, 1861)

Type locality - Holotype: United States, Kansas, near the Rocky Mountains. (MCZN).

Distribution - United States (Eastern Colorado, Kansas, Iowa).

Arhopalus lutosus LeConte, 1861: 356

Cyllene decora var. *lutosus*; Horn, 1880a: 136.

Clytus lutosus; Gemminger & Harold, 1872: 2931 (cat.);

Cyllene lutosus; Snow, 1881: 76 (distr.); 1883: 42 (distr.); Knaus, 1903: 189 (distr.); Casey, 1912: 355; Leng, 1920: 277 (cat.); Hopping, 1937: 445, pl. 1

Megacyllene lutosus; Linsley, 1964: 88; Chemsak, Linsley & Noguera, 1992: 67 (cat.); Monné, M.A., 1993i: 8 (cat.); Monné, M.A., & Giesbert, 1994: 113 (checklist); Yanega, 1996: 121, pl. 10, fig. 106; Heffern, 1998: 16 (distr.); Monné, M.A. & Hovore, 2006: 44 (cat.).

6. *Megacyllene powersi* Linsley & Chemsak, 1963

Type locality - Holotype male: United States, North Dakota : Ransom County, 7 miles SE of Sheldon. (CASC). **Distribution** - United States (North Dakota).

Megacyllene powersi Linsley & Chemsak, 1963: 211; Linsley, 1964: 88, fig. 25-3; Ruetter,

1970: 20 (paratype); Stein & Tigestad, 1976: 19 (distr.); Chemsak, Linsley & Noguera,

1992: 67 (cat.); Monné, M.A., 1993i : 9; Monné, M.A., & Giesbert, 1994:

1123(checklist); Yanega, 1996: 121, pl. 10, figs 109a-b ;

Monné, M.A. & Hovore, 2006 : 44 (cat.); Bousquet, Laplante, Hammond & Langor, 2017: 63

Megacyllene (Megacyllene) powersi; Monné, M. A. & Giesbert, 1994: 113 (cat.).

7. *Megacyllene robiniae* (Forster, 1771)

Type locality - Holotype: America septentrionalis, Provincia Noveboracensi. (LSUK).

Distribution - Eastern Canada and Atlantic states to Great Plains region. **Host plants** - *Robinia pseudacacia* Linnaeus (Fabaceae).

Leptura Robiniae Forster, 1771: 43.

Clytus robiniae; Peck, 1818: 67; Dearborn, 1821: 270; Haldeman, 1847a: 39 (biol.); Fitch, 1859: 830; 1863: 117; Walsh, 1863: 8 (biol.); 1865a: 384 (biol.); 1866a: 29, fig. 5; Riley, 1866a: 140; 1867: 151; Walsh, 1867: 107 (biol.); Packard, 1872: 497, fig. 486; Chambers, 1880: 60 (biol.); Rogers, 1880: 151 (biol.).

Arhopalus robiniae; LeConte, 1850b: 17; Walsh, 1865b: 204; Walsh & Riley, 1869b: 148; 1869a: 58; Bethune, 1873: 140 (hosts); 1877a: 223.

Cyllene robiniae; Popenoe, 1877: 33 (distr.); Riley, 1880: 239 (hosts); Horn, 1880a: 134, 136, pl., 2, fig. 8f (hosts); 1882: 240; 1886: 139; Leng, 1887: 196; Packard, 1889: 225; 1890: 355; Schwarz, 1891: 75 (biol.); Bates, 1892: 161 (distr.); Jack, 1892: 426 (biol.); Gahan, 1892: 273; Hopkins, 1893: 294 (biol.); Laurent, 1893: 285, pl. 13 (biol.); Bruner, 1893: 192 (biol.); Hamilton, 1895: 338 (distr.); Wolcott, 1895: 310 (distr.); Beutenmuller, 1896: 76 (hosts); Ehrman, 1897: 170 (biol.); Webster, 1897: 81; Wickham, 1897a: 149; Lugger, 1899: 202, pl. 4, fig. 123 (biol.); Felt, 1900b: 539 (biol.); Smith, 1900: 287, fig. 127 (biol.); Dury, 1902: 160 (distr.); Ulke, 1903: 26, 50 (distr.); Hopkins, 1904: 35; Felt, 1905: 93, pl. 5, figs 1-3, 10 (biol.); Hopkins, 1906: 1 (biol.); Laurent, 1906: 404 (distr.); Hopkins, 1907a: 31 (biol.); 1907b: 1, figs 1-4 (biol.); Gillette, 1907: 1 (biol.); Gahan, 1908: 141 (syn.); Hopkins, 1909: 61 (biol.); Wickham, 1909: 28 (distr.); Daecke, 1910: 332; Smith, 1910: 328; Blatchley,

1910: 1034, fig. 439; Webb, 1911: 347 (biol.); Forbes, 1911: 510, figs 54, 55 (biol.); Fisher & Kirk, 1912: 311 (distr.); Swaine, 1913: 88 (biol.); Johnson, 1915: 315; Lovell, 1915: 114 (biol.); Blackman & Ellis, 1916: 55, figs 23-26 (biol.); Swaine, 1916: 100, pl. 1, figs 1-4 (biol.); Garman, 1916: 99, figs 1-4 (biol.); Sanborn & Painter, 1917: 1, figs 1-4 (biol.); Chagnon, 1917: 232 (distr.); Houser, 1918: 316, pl. 62 (biol.); Nicolay, 1919: 67 (distr.); Craighead, 1919: 1, figs 1-6 (biol.); Britton, 1920: 269 (distr.); Leng, 1920: 277 (cat.); Garman, 1921: 3, figs 1-4 (biol.); Craighead, 1923: 52 (larva); Kirk & Knull, 1926: 39 (distr.); Essig, 1926: 456 (biol.); Compton & Flint, 1927: 295 (contr.); Leonard, 1928: 445 (distr.); Graham, 1929: 198, fig. 95 (biol.); Ware, 1929: 368 (distr.); Frost & Dietrich, 1929: 436 (distr.); Craighead & Middleton, 1930: 7 (distr., hosts); Hatch & Ortenburger, 1930: 9; Beaulne, 1932: 202 (hosts); Jones, 1932: 353, pl. 18, fig. 15 (mimet.); St. George & Beal, 1932: 713 (contr.); MacAndrews, 1933: 48 (biol.); Goldman, 1933: 89, pl. 5, figs 8-11 (morphol.); Sheppard, 1935: 97 (distr.); Herrick, 1935: 161, figs 135-137 (biol.); Saalas, 1936: 6 fig. 6 (morphol.); Doane *et al.*, 1936: 183, fig. 91 (biol.); Dunn, 1936: 8 (hosts); Hopping, 1937: 442, pl. 1 (distr., hosts); Hall, 1937: 721; Hatch, 1938: 187; Brimley, 1938: 215 (distr.); Chagnon, 1938: 262, pl. 17, fig. 7; Hall, 1942: 1, figs 1-14 (biol.); King, 1943: 180, fig. 2; Smith *et al.*, 1943: 315, fig. 316; Townes, 1944: 773 (paras.); Loding, 1945: 119 (distr.); Procter, 1946: 180 (biol.); Duffy, 1953: 228, fig. 204 (biol., larva); Gibson & Carrillo, 1959: 119 (distr.); Chagnon & Robert, 1962: 262, pl. 17, fig. 7.

Cylleus robiniae; Linell, 1889: 40 (error).

Megacyllene robiniae; Knull, 1946: 212, pl. 38, fig. 2; Craighead, 1950: 243, figs 50b, 52b, 53 (biol.); Beal, Haliburton & Knight, 1952: 59 (biol.); Shenefelt & Benjamin, 1955: 94 (biol.); Alexander, 1958: 48 (distr.); English, 1958: 40; Anderson, 1960: 288, fig. 11.6 (biol.); Dillon & Dillon, 1961: 596, pl. 59, No. 12; Wollerman, 1961: 91 (contr.); 1961: 85 (contr.); Nielsen, 1961: 8 (contr.); Peck, 1963: 955 (paras.); Linsley, 1964: 81, fig. 26; Knowlton, 1965: 1 (contr.); Barr & Penrose, 1969: 92 (distr.); Wollerman, Adams & Heaton, 1969: 247 (biol.); Galford, 1969: 1 (biol.); Wollerman, 1971: 37 (biol.); Hatch, 1971: 118, pl. 13, fig. 2; Baker, 1972: 176, fig. 53 (biol.); Kirk & Balsbaugh, 1975: 99 (distr.); Furniss & Carolin, 1977: 301, figs. 180a,b (biol.); Solomon, 1977: 298 (biol.); Galford, 1977b: 1 (biol.); Dailey, Graves & Kingsolver, 1978: 226 (biol.); Turnbow & Franklin, 1980: 343 (distr.); Gosling, 1984: 80 (biol.); Harman & Dixon, 1984: 112 (biol.); White, 1985: 185, fig. 123; Harman, Van Tyne & Thompson, 1985: 50 (biol.); Harman, Rudolf & Dixon, 1985: 207 (biol.); Harman & Harman, 1987: 706 (biol.); 1990: 501 (biol.); McCann & Harman, 1990: 705 (biol.); Terrón, 1992: 288 (distr.); Chemsak, Linsley & Noguera, 1992: 67 (cat.); MacRae, 1993: 233 (distr.); Monné, M.A., 1993i: 10 (cat.); Monné, M.A., & Giesbert, 1994: 113 (checklist); Yanega, 1996: 121, pl. 10, figs 110a-b; Linsley & Chemsak, 1997: 396 (hosts); Peck & Thomas, 1998: 119 (distr.); Heffern, 1998: 16 (distr.); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Sykes & Webster, 2005: 327 (distr.); Monné, M.A. & Hovore, 2006: 44 (checklist); Westcott *et al.*, 2006: 10 (distr., hosts); Majka, McCorquodale & Smith, 2007: 261 (distr.); Lingafelter, 2007: 60, 147, 2 figs, pl. 12, fig. a (hosts); Staines, 2008: 146 (distr.); Guarnieri, 2009: 17 (distr.); Webster, McCorquodale & Majka, 2009: 298 (distr.); Ray, Ginzel & Hanks, 2009: 425 (biol.); Holt, 2013: 247 (distr., biol.); Webster, 2016: 487; Haack in Wang, 2017: w/page fig. 11.10 (biol., hosts); Klingeman *et al.*, 2017: 296 (distr.); Rice, MacRae & Merickel, 2017: 675 (distr.); Mitchell *et al.*, 2017: 75 (biol.); Bousquet, Laplante, Hammond & Langor, 2017: 63, pl.9

Megacyllene (Megacyllene) robiniae; Schiefer, 1998: 119 (distr.).

Megacyllene robineae; McCorquodale, 2010: 469 (distr., error).

Leptura picta Drury, 1773: 91.

Clytus pictus; Drury & Westwood, 1837: 87, pl. 41, fig. 2; Harris, 1838: 93; 1841: 85; Emmons, 1854: 117, pl. 16, fig. 9; White, 1855: 253.

Arhopalus pictus; LeConte, 1852: 177 (syn.); 1858a: 40 (distr.); 1859: 48 (distr.); Bland, 1861: 95 (distr., hosts); Osten-Sacken, 1862: 121, pl.1, fig. 7 (larva); Lacordaire, 1869: 64.

Cyllene picta; LeConte, 1881: s/p (hosts).

Type locality - Holotype: United States, New York. (Depository unknown).

Callidium flexuosum Fabricius, 1775: 191; 1781: 241; 1793: 331; Olivier, 1790: 262, pl. 6, fig. 76; 1795: 34, pl. 6, fig. 76; Fabricius, 1793: 331; 1801: 345; Zimsen, 1964: 180 (types).

Clytus flexuosus; Schoenherr, 1817: 460; Audinet-Serville, 1834a: 85; Laporte & Gory, 1836: 13, pl.4, fig.14; Laporte, 1840: 450; 1853: 378 (distr.); Melsheimer, 1853: 105 (cat.); Kirkpatrick, 1856: 244 (biol.); Petitt, 1871: 106 (distr.).

Cerambyx (Callidium) flexuosum; Gmelin, 1790: 1852 (hosts).

Type locality - Holotype: America. (Depository unknown).

8. *Megacyllene robusta* Linsley & Chemsak, 1963

Type locality - Holotype male: United States, Arizona: Cochise County, Cochise, (CASC).

Distribution - Southeastern Arizona to southwestern New Mexico. **Host plants** - *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Megacyllene robusta Linsley & Chemsak, 1963: 211; Linsley, 1964: 89; Hovore, Penrose & Giesbert, 1978: 97 (biol.); Chemsak, Linsley & Noguera, 1992: 67 (cat.); Monné, M.A., 1993i: 11 (cat.); Monné, M.A., & Giesbert, 1994: 113 (checklist); Monné, M.A. & Hovore, 2006: 44 (cat.).

9. *Megacyllene snowi snowi* (Casey, 1912)

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

Distribution - United States (Arizona, Colorado), northern Mexico. **Host plants** - *Robinia neo-mexicana* A. Gray (Fabaceae).

Cyllene snowi Casey, 1912: 353; Hopping, 1937: 443, pl. 1; Lingafelter *et al.*, 2014: 321, figs. 157c, d (holotype).

Megacyllene snowi; Knull, 1950: 91 (biol.); Linsley, Knull & Statham, 1961b: 19, fig. 9 (distr., hosts); Linsley, 1964: 85, fig. 25; Chemsak, Linsley & Noguera, 1992: 67 (cat.).

Megacyllene snowi snowi; Tyson, 1982: 441, figs. 1, 2; Monné, M.A., 1993i: 11 (cat.); Monné, M.A., & Giesbert, 1994: 113 (checklist); 2001: 35 (hosts); 2005: 93 (cat.); Monné, M.A. & Hovore, 2006: 44 (checklist); Heffern, 1998: 16 (distr.).

9a. *Megacyllene snowi zuniana* (Casey, 1912)

Type locality - Holotype male: United States, New Mexico: Magdalena Mountains, (USNM). **Distribution** - Higher Mts. of central New Mexico, east of the Continental Divide.

Host plants - *Robinia neo-mexicana* A. Gray (Fabaceae).

Cyllene zuniana Casey, 1912: 253; Leng, 1920: 276 (cat.); Hopping, 1937: 445.

Megacyllene snowii zuniana; Tyson, 1982: 441, figs 1,2; MacKay, Zak & Hovore, 1987: 364 (distr.); Chemsak, Linsley & Noguera, 1992: 67 (cat); Monné, M.A., 1993i: 11 (cat.); Monné, M.A., & Giesbert, 1994: 113 (checklist); Monné, M.A. & Hovore, 2006: 44 (checklist); Lingafelter *et al.*, 2014: 348, fig. 187o (holotype).

Neoclytus Thomson, 1860

Neoclytus Thomson, 1860: 67; 1861: 216, 225; 1864: 193; 1865: 426; Lacordaire, 1869: 75; Bates, 1870: 395; LeConte, 1873b: 319; Provancher, 1877: 579, 601; Bates, 1880: 57; Horn, 1885a: 197; Leng, 1887: 195, 4; Casey, 1912: 350, 367; Bradley, 1930: 239; Hopping, 1932: 546; Chagnon, 1938: 255, 265; Knull, 1946: 219; Arnett, 1962: 868, 887; Chagnon & Robert, 1962: 255, 265; Linsley, 1964: 133; Hatch, 1971: 118; Zayas, 1975: 135; Villiers, 1980b: 298 Monné, M.A., 1993i: 41 (cat.); Monné, M. A., 2005: 95 (cat.); Monné, M.A. & Hovore, 2006: 44 (checklist); Martins & Galileo, 2011a: 100; Monné, M. A., 2012: 14; Bousquet, Laplante, Hammond & Langor, 2017: 64 (key spp.)

Type-species - *Callidium erythrocephalum* Fabricius, 1787 (original designation) [= *Callidium acuminatum* Fabricius, 1775].

Rhopalopachys Chevrolat, 1860: 457; Thomson, 1864: 193; Lacordaire, 1869: 74

Type-species - *Clytus morosus* Chevrolat, 1860 (original designation).

Rhopalomerus Chevrolat, 1860: 457.

Type-species - *Clytus cacicus* Chevrolat, 1860 (Linsley designation, 1964: 134).

1. *Neoclytus acuminatus* (Fabricius, 1775)

Type locality - Holotype: America Boreali. (BMNH). **Distribution** - Eastern North America to Manitoba, introduced from North America to north-eastern Italy, western Balkans, Switzerland, Great Britain, France, Germany, Puerto Rico, Cuba and Argentina (La Pampa).

Host plants - *Acer rubrum* Linnaeus, *A. saccharinum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Rhus radicans* Linnaeus (Anacardiaceae), *Ilex* sp. (Aquifoliaceae), *Alnus* sp., *Betula* sp., *Ostrya carpinifolia* Scopoli, *O. virginiana* (Miller) K. Koch (Betulaceae), *Campsis* sp. (Bignoniaceae), *Cercis canadensis* Linnaeus, *Gleditsia triacanthos* Linnaeus (Caesalpiniaceae), *Celtis saccharinum* (Chapm.), *Celtis tenuifolia* Nuttall (Cannabaceae), *Lonicera* sp., *Sambucus canadensis* Linnaeus (Caprifoliaceae), *Euonymus* sp. (Celastraceae), *Cornus florida* Linnaeus (Cornaceae), *Carpinus betulus* Linnaeus, *C. caroliniana* Walter, *Corylus avellana* Linnaeus (Corylaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Robinia pseudoacacia* Linnaeus, *Sophora secundiflora* (Ortega) de Candolle (Fabaceae), *Castanea sativa* Miller, *Fagus ferruginea* Aiton, *F. sylvatica* Linnaeus, *Quercus alba* Linnaeus, *Q. macrocarpa* Michaux, *Q. marilandica*, *Q. montana*, *Q. palustris* Du Roi, *Q. phellos* Linnaeus, *Q. prinus* Linnaeus, *Q. rubra* Linnaeus, *Q. velutina* Lamarck (Fagaceae), *Carya glabra* (Miller) Sweet, *C. illinoensis* (Wangenheim) K. Koch, *C. ovata* (Miller) K. Koch, *C. tomentosa* Nuttall, *Juglans regia* Linnaeus (Juglandaceae), *Persea* sp., *Sassafras albidum* (Nuttall) Nees (Lauraceae), *Liriodendron tulipifera* Linnaeus, *Magnolia acuminata* Linnaeus (Magnoliaceae), *Hibiscus* sp., *Tilia americana* Linnaeus (Malvaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *Pithecellobium flexicaule* (Bentham) Coulter (Mimosaceae), *Ficus carica* Linnaeus, *Maclura pomifera* (Rafinesque) C. Schneider, *Morus alba* Linnaeus (Moraceae), *Fraxinus americana* Linnaeus, *F. excelsior* Linnaeus, *F. pennsylvanica* Marshall, *F. quadrangulata* Michaux, *Syringa* sp. (Oleaceae), *Abies* sp. (Pinaceae), *Amelanchier arborea* (Michaux fils) Fernald, *Cercocarpus* sp., *Crataegus viridis* Linnaeus, *Malus communis* Linnaeus, *Prunus americana* Marshall, *P. serotina* Ehrhart, *Pyrus* sp., *Rosa* sp. (Rosaceae), *Populus* sp., *Salix exigua* Nuttall, *S. nigra* Marshall (Salicaceae), *Koelreuteria paniculata* Laxmann (Sapindaceae), *Taxodium distichum* (Linnaeus) Richard (Taxodiaceae), *Ulmus americana* Linnaeus, *U. fulva* Michaux (Ulmaceae); *Vitis riparia* Michaux, *V. vinifera* Linnaeus (Vitaceae).

Callidium acuminatum Fabricius, 1775: 194; 1781: 243; Zimsen, 1964: 181 (types).

Clytus acuminatus; Chevrolat, 1851: 660 (type, syn.).

Neoclytus acuminatus; Aurivillius, 1912: 389 (cat.); Britton, 1920: 269 (distr.); Leng, 1920: 277 (cat.); Kirk & Knull, 1926: 40 (distr.); Procter, 1927: 112 (distr.); Brues, 1927: 77; Leonard, 1928: 447 (distr.); Knull, 1930b: 102 (hosts); Hopping, 1932: 550, pl.3, fig. 4; Barrett, 1932: 290 (hosts); Linsley & Martin, 1933: 281 (distr., biol.); Gaines, 1933: 52 (distr.); Britton & Friend, 1935: 306 (biol.); Linsley, 1935b: 163; Chagnon, 1938: 265, pl. 18, fig. 3; Brimley, 1938: 215 (distr.); Flint & Farrar, 1940: 57 (biol.); Townes, 1944: 773 (paras.); Loding, 1945: 119 (distr.); Knull, 1946: 220; Procter, 1946: 181 (biol.); Fattig, 1947: 26 (biol.); Hinton, 1947: 288 (distr.); Blair, 1948: 124, pl.D, fig. 6 (biol.); Craighead, 1950: 253 (biol.); Demelt, 1950: 229 (distr.); Beal, Haliburton & Knight, 1952: 120 (biol.); Robert, 1952: 102 (biol.); Duffy, 1953: 230; Barr & Manis, 1954: 1150 (biol.); Demelt, 1956: 36, figs 1-3 (biol.); Alexander, 1958: 48 (distr.); Linsley, 1958: 108; Anderson, 1960: 300 (contr.); Dillon & Dillon, 1961: 602, pl. 50, No. 2; Chagnon & Robert, 1962: 265, pl. 18, fig. 3; Linsley, 1964: 144; Galford, 1969: 2 (biol.); Baker, 1972: 184 (biol.); Zayas, 1975: 134 (distr.); Horion, 1975: 98, fig. 1 (distr., hosts); Furniss & Carolin, 1977: 302 (hosts); Haack, Benjamin & Haack, 1983: 49 (hosts); White, 1985: 285, fig. 124; Cantot, 1990: 206, fig. 1 (distr.); Chemsak, Linsley & Noguera, 1992: 67 (cat.); Di Iorio, 2004d: 675 (distr., hosts); 2005: 46, fig. 1; Sikes & Webster, 2005: 327 (distr.); Peck, 2005: 172 (distr.); Micheli, 2007: 502; 2010: 90, pl. 14; Lingafelter, 2007: 71, 148, 2 figs, pl. 17, fig. b (hosts); McCorquodale, 2010: 469 (distr.); Martins & Galileo, 2011a: 104, fig. 68 (hosts); Haack in Wang, 2017: w/page fig. 11.12 (biol., hosts); Klingeman *et al.*, 2017: 296 (distr.); Rice, MacRae & Merickel, 2017: 669 (distr.).

- Neoclytus acuminatus acuminatus*; Linsley, 1964: 144; Hatch, 1971: 122; Gosling, 1973: 82, fig. 54 (distr.); Kirk & Balsbaugh, 1975: 99 (distr.); Stein & Tagestad, 1976: 22; Solomon, Doolittle & Spilman, 1976: 290; Laliberté, Chantal & LaRochelle, 1977: 95 (biol.); Turnbow & Franklin, 1980: 343 (distr.); Gosling, 1984: 72 (hosts); Waters & Hyche, 1984: 286 (distr.); Rice, 1985a: 1224 (hosts); Rice, Turnbow & Hovore, 1985: 20 (hosts); Gosling, 1986: 156 (hosts); Monné, M.A., 1993i: 41 (cat.); Monné, M.A., & Giesbert, 1994: 113 (checklist); MacRae, 1993: 234 (distr., hosts); Lingafelter & Horner, 1993: 176 (distr.); Yanega, 1996: 121, pl. 9, fig. 104; Linsley & Chemsak, 1997: 404 (hosts); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 119 (distr.); Vlasák & Vlasakova, 2002: 211 (distr., hosts); Lacey *et al.*, 2004: 493 (pherom.); Monné, M.A. & Hovore, 2006: 44 (checklist); Di Iorio, 2006a: 20, figs 35, 36; Lacey, Ray & Hanks, 2007a: 117 (biol.); Lacey *et al.*, 2008: 209 (pherom.); MacRae & Rice, 2007: 238 (distr., hosts); Staines, 2008: 146 (distr.); Guarnieri, 2009: 17 (distr.); Webster, McCorquodale & Majka, 2009: 298 (distr.); Maier, 2009: 438 (hosts); Holt, 2013: 247 (distr.); Steury & MacRae, 2014: 10 (distr.); Webster, 2016: 487; Bousquet, Laplante, Hammond & Langor, 2017: 66, pl.9; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465
- Callidium erythrocephalum* Fabricius, 1787: 156; Olivier, 1790: 265, pl. 5, fig. 60; 1795: 47, pl. 5, fig. 60; Fabricius, 1793: 335; 1801: 350; Palisot de Beauvois, 1805: 248, pl. 37, fig. 5; Zimsen, 1964: 181 (types).
- Clytus erythrocephalus*; Schoenherr. 1817: 467; Audinet-Serville, 1834a: 84; Laporte & Gory, 1836: 20, pl. 5, fig. 23; Germar, 1839: 331; Haldeman, 1847a: 29; LeConte, 1850b: 26; Fairmaire, 1850: 61 (distr.); Chevrolat, 1852: 650; Melsheimer, 1853: 105 (cat.); White, 1855: 255; LeConte, 1858a: 41 (distr.); 1859: 48 (distr.); Horn, 1861: 29 (biol.); Bland, 1861: 96 (distr., hosts); Rye, 1873: 215 (distr.); Doubleday, 1873: 268 (distr.).
- Clytus (Rhopalomerus) erythrocephalus*; Chevrolat, 1860: 457.
- Neoclytus erythrocephalus*. Thomson, 1861: 226; Lacordaire, 1869: 77; Pettit, 1861: 106 (distr.); Henshaw, 1874: 22 (distr.); Popenoe. 1877: 33 (distr.); Provancher, 1877: 602; LeConte, 1880a: 237 (hosts); Riley, 1880: 239 (biol.); Packard, 1881: 60, 73, 75 (biol.); Townsend, 1884: 221 (biol.); Harrington, 1884: 46 (hosts); Townsend, 1885: 70 (distr.); Horn, 1885c: 88; 1886a: 139; Hamilton, 1886: 28 (hosts); Leng, 1887: 5; Hamilton, 1887: 141 (biol.); 1889: 145; Fauvel, 1889: 150; Horn. 1889: 199 (syn.); Tolman, 1889: 343; Packard, 1890: 228, 293, 373 (biol.); Hopkins, 1893: 195 (biol.); Wickham, 1893: 140 (distr.); Webster, 1894: 140 (hosts); Hamilton, 1894b: 396; 1895: 338 (distr.); Chittenden, 1894: 97; Beutenmuller. 1896: 76 (hosts); Chagnon, 1897: 124 (distr.); Slosson, 1897: 238 (distr.); Wickham, 1897b: 157 (distr.); Hopkins, 1898b: 46 (biol.); Wickham, 1898b: 41; Laurent, 1898: 33 (hosts); Smith, 1900: 290 (distr.); 1902: 198 (biol.); Dury, 1902: 160 (distr.); Ulke, 1903: 26 (distr.); Hopkins, 1904: 37 (biol.); Tucker, 1906: 12 (distr.); Fall & Cockerell, 1907: 192 (distr.); Stüler, 1907: 8 (distr.); Houghton, 1908: 161 (hosts); Daecke, 1909: 630 (hosts); Champlain, 1909: 180 (distr.); Wickham, 1909a: 28 (distr.); Blatchley, 1910: 1038; Smith, 1910: 329; Leng, 1910: 77 (distr.); Webb, 1911: 354, fig. 27 (biol.); Frost, 1912: 307; Fisher & Kirk, 1912: 311 (distr.); Johnson, 1915: 315 (distr.); Morris, 1916: 20 (hosts); Chagnon, 1917: 232 (distr.); Laurent, 1918: 360 (biol.); Dozier, 1918: 335 (distr.); Nicolay, 1919: 67 (distr.); Dozier, 1920: 366 (distr.); Morris, 1920a: 74 (distr.); Rosewall, 1920: 203 (hosts); Craighead, 1920: 108 (biol.); Craighead & Loughborough, 1921: 250 (contr.); Champlain 1922: 96 (paras.); Craighead, 1923: 55 (larva); Felt, 1923: 88 (biol.); Ware, 1929: 368 (distr.); Craighead & Middleton, 1930: 13 (biol.); Beaulne, 1932: 202 (hosts)
- Neoclytus erythrocephalus*; Shufeldt, 1884: 334 (distr., error).
- Plagithmysus erythrocephalus*. Wickham, 1897a: 151.
- Type locality** - America Borealis. (Depository unknown).
- Cerambyx (Callidium) americanus* Gmelin, 1790: 1854.
- Type locality** - Holotype: America Boreali.
- Callidium (Clytus) aspericolle* Germar, 1823: 517.
- Type locality** - Holotype: United States, Georgia (MNHU).

1a. *Neoclytus acuminatus hesperus* Linsley, 1935

Type locality - Holotype male: United States, Colorado: North Cheyenne Canyon. (CASC).
Distribution - United States (Colorado, New Mexico, southern Texas), northern Mexico.
Host plants - *Baccharis angustifolia* Michaux (Asteraceae), *Celtis laevigata* Willdenow, *C. pallida* Torrey (Cannabaceae), *Elaeagnus angustifolia* Linnaeus (Elaeagnaceae), *Quercus* sp. (Fagaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *A. rigidula* Benth, *Pithecellobium flexicaule* (Benth) Coulter, *P. pallens* (Benth) Standley, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Citrus sinensis* (Linnaeus) Osbeck, *Zanthoxylum fagara* (Linnaeus) Sargent (Rutaceae), *Lycopersicum* sp. (Solanaceae).

Neoclytus acuminatus hesperus Linsley, 1935b: 163; Vogt, 1949: 144 (distr.); Linsley, 1964: 146; Manley & French, 1976: 49; Turnbow & Wappes, 1978: 369 (hosts); MacKay, Zak & Hovore, 1987: 364 (hosts); Hovore, Penrose & Neck, 1987: 307 (biol.); Chemsak, Linsley & Noguera, 1992: 67 (cat.); Monné, M.A., 1993i: 42 (cat.); Monné, M.A., & Giesbert, 1994: 113 (checklist); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 405 (hosts); Monné, M. A., 2001a: 36 (cat. hosts); Monné, M.A., 2005: 95 (cat.); Monné, M.A. & Hovore, 2006: 44 (checklist); MacRae & Rice, 2007: 239 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465

2. *Neoclytus angelicus* Van Dyke, 1927

Type locality - Holotype female: United States, California: Santa Monica.(CASC).

Distribution - United States (California)

Neoclytus angelicus Van Dyke, 1927: 107; Hopping, 1932: 555, pl. 5, fig. 7; Linsley, 1964: 149; Chemsak, Linsley & Noguera, 1992: 67 (cat.); Monné, M.A., 1993i: 42 ; Monné, M.A., & Giesbert, 1994: 113 (checklist); Monné, M.A. & Hovore, 2006: 45 (cat.).

3. *Neoclytus approximatus* (LeConte, 1862)

Syntypes locality - Syntypes: United States, Kansas. (MCZN). **Distribution** - United States (Missouri, Kansas, Oklahoma, Iowa, Texas).

Clytus approximatus LeConte, 1862: 42

Neoclytus approximatus; Lacordaire, 1869: 77; Leng, 1887: 5, 7; Fall & Cockerell, 1907: 192 (distr.); Leng, 1920: 277 (cat.); Hopping, 1932: 551, pl. 4, fig. 11; Alexander, 1958: 48 (distr.); Linsley, 1964: 148; Hovore, 1988: 13; Chemsak, Linsley & Noguera, 1992: 67 (cat.); Monné, M.A., 1993i: 42 (cat.); Monné, M.A., & Giesbert, 1994: 113 (checklist); Yanega, 1996: 121, pl. 11, fig. 128; Heffern, 1998 : 16 (distr.); Monné, M.A. & Hovore, 2006: 45 (checklist); Rice & Veal, 2006: 257 (distr.).

4. *Neoclytus augusti* (Chevrolat, 1835)

Syntypes locality - Syntypes female: Mexico, Veracruz. (BMNH). **Distribution** - United States (Texas), Mexico (Nayarit, Veracruz, San Luis Potosí, Oaxaca, Nuevo León, Tamaulipas), Guatemala. **Host plants** - *Baccharis neglecta* Nuttall, *Pluchea sericea* Coville (Asteraceae), *Celtis lindheimeri* Engelmann, *C. pallida* Torrey (Cannabaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Citrus sinensis* (Linnaeus) Osbeck (Rutaceae), *Sapindus saponaria* Linnaeus (Sapindaceae), *Ulmus crassifolia* Nuttall (Ulmaceae), *Phoradendron flavescens* Nuttall (Viscaceae).

Clytus augusti Chevrolat, 1835: 4 (55); Laporte & Gory, 1836: 30, pl. 7, fig. 37; White, 1855: 258.

Clytus (Rhopalomerus) augusti; Chevrolat, 1860: 495.

Neoclytus augusti; Thomson, 1861: 226; Lacordaire, 1869: 77; Bates, 1880: 57 (distr.); Linsley, 1942: 88; Manley & French, 1976: 49; 1977: 39, fig. 1; Turnbow & Wappes, 1978: 369 (hosts); Hovore, 1983: 380 (syn.); Hovore, Penrose & Neck, 1987: 307 (biol.); Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 113 (cat.); Monné, M.A., & Giesbert, 1994: 113 (checklist); Noguera & Chemsak, 1996: 400 (cat.); Monné, M.A., 2001a: 36 (cat. hosts); Monné, M.A., 2005: 96 (cat.); Hovore, 2006: 373 (distr.); Monné, M.A. & Hovore, 2006: 44 (checklist); Gutiérrez & Noguera, 2015: 143 (distr.); García Morales *et al.*, 2015: 100 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465

Neoclytus angusti; Bates, 1885: 301 (error).
Clytus dubius Chevrolat, 1835: 4 (57)
Clytus (Rhopalomerus) angusti var. *dubius*; Chevrolat, 1860: 495.
Neoclytus angusti var. *dubius*; Aurivillius, 1912: 390 (cat.).

Type locality - Holotype male: Mexico, Veracruz. (BMNH).

Neoclytus abbreviatus Schaeffer, 1908: 340; Hopping, 1932: 551, pl. 4, fig. 15; Vogt, 1949: 144 (distr., hosts); Linsley, 1964: 147; Lingafelter *et al.*, 2014: 361 (holotype presumed lost)

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

5. *Neoclytus balteatus* LeConte, 1873

Syntypes locality - Syntypes male and female: United States, Oregon. (MCZN).

Distribution - Pacific coast of North America from British Columbia to northern California.

Host plants - *Arctostaphylos* sp. (Ericaceae), *Ceanothus cordulatus* Kellogg, *C. integerrimus* Hooker & Arnott, *C. thyrsiflorus* Eschscholtz (Rhamnaceae).

Neoclytus balteatus LeConte, 1873b: 201; Lameere, 1883: 36 (cat.); Leng, 1887: 5, 7 ; Fall, 1901: 147; Garnett, 1918: 210 (distr.); Leng, 1920: 277 (cat.); Essig, 1926: 457 (hosts); Hopping, 1932: 554; Linsley, 1935b: 164, figs. 3, 3a; Doane *et al.*, 1936: 184 (biol.); Stace-Smith, 1946: 48 (biol.); Leech, 1955: 40 (hosts); Linsley, 1964: 151, fig. 45; Tyson, 1966: 205 (hosts); Barr & Penrose, 1969: 92 (distr.); Hatch, 1971: 121, pl. 13, figs 9, 9a; Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 44 (cat.); Monné, M.A., & Giesbert, 1994: 113 (checklist); Linsley & Chemsak, 1997: 405 (hosts); Monné, M.A. & Hovore, 2006: 45 (checklist); Swift, 2008a: 3 (distr., hosts, biol.) ; Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 66, pl.9

6. *Neoclytus caprea* (Say, 1824)

Syntypes localities - Syntypes: United States, Arkansas, Pennsylvania. (Depository unknown). **Distribution** - From southern Quebec to northern Utah, south to southern Arizona, central Texas, and northern Georgia. It is known in Canada only from the Lower Great Lakes/St. Lawrence Lowland region, as far north as the Montreal area. **Host plants** - *Celtis reticulata* Torrey (Cannabaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Juglans major* (Torr.) A. Heller, (Juglandaceae), *Quercus alba* Linnaeus, *Q. arizonica* Sargent, *Q. emoryi* Torrey, *Q. gambelii* Nuttall, *Q. grisea*, *Q. pungens* var. *vaseyana* (Buckley) C. H. Müller (Fagaceae), *Carya* sp., *Juglans* sp. (Juglandaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Eucalyptus grandis* W. Hill ex Maiden (Myrtaceae), *Fraxinus americana* Linnaeus, *F. nigra* Marshall (Oleaceae), *Ulmus* sp. (Ulmaceae), *Vitis* sp. (Vitaceae).

Clytus caprea Say, 1824: 424; 1828: 120, pl. 53; 1835: 194 (distr.); Laporte & Gory, 1836: 116; Fitch, 1845: 250; Haldeman, 1847a: 40; 1847c: 372 (syn.); LeConte, 1850b: 26; Emmons, 1854: 117, pl. 16, fig. 11; White, 1855: 272; LeConte, 1859c: 200, 664, pl. 53, fig. 2; 1859d: 48; Bland, 1861: 96 (distr.); Walsh & Riley, 1869b: 148.

Neoclytus caprea; Lacordaire, 1869: 77; Popenoe, 1877: 33 (distr.); Riley, 1880: 239 (biol.); Packard, 1881: 138 (biol.); Bates, 1885: 302; Leng, 1887: 7; Hamilton, 1888: 36 (hosts); Packard, 1890: 229, 543 (biol.); Hamilton, 1891a: 131 (biol.); 1895: 338 (distr.); Hopkins, 1893: 195 (biol.); Beutenmuller, 1896: 77 (hosts); Wickham, 1897a: 151; Smith, 1900: 290 (distr.); Ehrmann, 1900: 620 (distr.); Ulke, 1903: 26 (distr.); Hopkins, 1904: 36 (biol.); Felt, 1905: 279 (biol.); Dury, 1906: 259 (distr.); Wenzel, 1906: 267 (distr.); Schaeffer, 1908: 230 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 329; Blatchley, 1910: 1039; Webb, 1911: 353 (biol.); Fisher & Kirk, 1912: 311 (distr.); Johnson, 1915: 315 (distr.); Britton, 1920: 269 (distr.); Leng, 1920: 277 (cat.); Craighead, 1921: 210 (biol.); Rohwer, 1921: 435 (paras.); Craighead, 1923: 53, pl. 1, fig. 7, pl. 10, fig. 9, pl. 35 (larva); Kirk & Knull, 1926: 40 (distr.); Snyder, 1927: 33 (biol.); Leonard, 1928: 447 (distr.); Ware, 1929: 368 (distr.); MacDougall, 1929: 78; Craighead & Middleton, 1930: 13 (biol.); Pack, 1930: 220 (distr.); Beaulne, 1932: 202 (hosts); Hopping, 1932: 560, pl. 3, fig. 10; Britton & Friend, 1935: 306 (biol.); Doane *et al.*, 1936: 185; Knowlton & Thatcher, 1936: 279 (hosts); Brimley, 1938: 215 (distr.); Townes, 1944: 773 (paras.); Knull, 1946: 222; Blair, 1948: 124, pl. D, fig. 8 (hosts); Knowlton &

Wood, 1950: 12 (distr.); Craighead, 1950: 253, fig. 55A(biol.); Keen, 1952: 98 (hosts); Beal, Haliburton & Knight, 1952: 119 (biol.); Duffy, 1953: 231, figs 205, 206 (larva); Alexander, 1958: 48 (distr.); Townes & Townes, 1960: 522 (paras.); Anderson, 1960: 300, fig. 11.14; Linsley, 1964: 560, fig. 49; Galford, 1969: 2 (biol.); Baker, 1972: 184, fig. 58 (biol.); Gosling, 1973: 82, fig. 56 (biol., distr.); Kirk & Balsbaugh, 1975: 99 (distr.); Laliberté, Chantal & LaRochelle, 1977: 95 (biol.); Furniss & Carolin, 1977: 302 (hosts); Turnbow & Franklin, 1980: 343 (distr.); Rice, 1981: 461 (distr.); Hovore, 1983: 381 (hosts); Cope, 1984a: 31 (hosts); White, 1985: 385; MacKay, Zak & Hovore, 1987: 364 (distr.); Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 44 (cat.); Monné, M.A., & Giesbert, 1994: 114 (checklist); MacRae, 1993: 235 (distr.); Lingafelter & Horner, 1993: 76 (distr.); Noguera & Chemsak, 1996: 400 (distr.); Yanega, 1996: 121, pl. 11, fig. 117; Linsley & Chemsak, 1997: 405 (hosts); Heffern, 1998: 16 (distr.); Schiefer, 1998: 119 (distr.); Vlasák & Vlasakova, 2002: 211 (distr.); Monné, M.A. & Hovore, 2006: 45 (checklist); MacRae & Rice, 2007: 239 (distr., hosts); Lingafelter, 2007: 58, 148, 2 figs, pl. 14, fig. 2 (hosts); Staines, 2008: 146 (distr.); Holt, 2013: 247 (distr.); Steury & MacRae, 2014: 10 (distr.); Haack, 2017: 115; Klingeman *et al.*, 2017: 296 (distr.); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 66, pl.10; Bezark, 2018: 44, fig. 8 (distr.).

Clytus elevatus Laporte & Gory, 1836: 32, pl. 7, fig. 40.

Type locality - Holotype: United States. Louisiana: New Orleans. (MVMA).

Clytus gibbicollis Laporte & Gory, 1836: 24, pl. 6, fig. 28.

Type locality - Holotype: Amérique Boreale. (MVMA).

7. *Neoclytus conjunctus* (LeConte, 1857)

Type locality - Holotype: United States, California: San Francisco. (MCZN). **Distribution**

- Pacific coast of North America from British Columbia to southern California. **Hosts plants** - *Arbutus menziesii* Pursh (Ericaceae), *Quercus agrifolia* Née, *Q. garryana* Douglas, *Q. kelloggii* Newberry, *Q. lobata* Née, *Q. wislizenii* A. de Candolle (Fagaceae), *Eucalyptus* sp. (Myrtaceae), *Fraxinus americana* Linnaeus, *Olea* sp. (Oleaceae), *Pyrus* sp. (Rosaceae).

Clytus conjunctus LeConte, 1857: 61.

Neoclytus conjunctus; Lacordaire, 1869: 77; Ricksecker, 1885: 97 (biol.); Leng, 1887: 5, 7; Harrington, 1899: 108 (distr.); Fall, 1901: 147 (distr.); Wright & Coolidge, 1908: 68 (distr.); Smith, 1910: 329; Garnett, 1918: 210 (distr., hosts); Leng, 1920: 277 (cat.); Craighead, 1923: 54 (larva); Essig, 1926: 457, fig. 362 (biol.); Hardy, 1926: 32, pl. 5, fig. 44; Hardy & Preece, 1926: 39 (biol.); 1927: 192 (hosts); Craighead & Middleton, 1930: 13 (biol.); Hopping, 1932: 559, pl. 3, fig. 9 (hosts); Beaulne, 1932: 202 (hosts); Ingles, 1933: 59 (biol.); Linsley & Usinger, 1934: 106 (hosts); Doane *et al.*, 1936: 184 (biol.); Hardy, 1942: 11 (biol.); Keen, 1952: 198, fig. 94B (hosts); Linsley, 1964: 159; Tyson, 1966: 205 (hosts); Hatch, 1971: 122, pl. 13, fig. 10; Furniss & Carolin, 1977: 302 (hosts); Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 46 (cat.); Linsley & Chemsak, 1997: 405 (hosts); Monné, M.A. & Hovore, 2006: 45 (checklist); Hart, Cope & Ivie, 2013: 135, fig. 7 (distr.);

Neoclytus conjunctus occiduus Casey, 1912: 369; Leng, 1920: 277 (cat.); Lingafelter *et al.*, 2014: 44, 368, fig. 46 m (lectotype); Bousquet, Laplante, Hammond & Langor, 2017: 66, pl.10

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

Neoclytus tularensis Casey, 1912: 369; Leng, 1920: 277 (cat.); Lingafelter *et al.*, 2014: 337, fig. 175c (holotype).

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

8. *Neoclytus horridus* (LeConte, 1862)

Type locality - Holotype male: United States, Middle States. (MCZN). **Distribution** - Southern Canada ?. Eastern and central states to Texas. **Host plants** - *Quercus alba*, *Quercus borealis* F. Michaux *Q. montana*, (Fagaceae).

Clytus horridus LeConte, 1862: 42.

Neoclytus horridus; Aurivillius, 1912: 391 (cat.); Linsley, 1964: 158; Hoffmann, 1968: 67, figs. 1,2 (syn., lectotype); Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 48

(cat.); Yanega, 1996: 121, pl. 11, fig. 127; Schiefer, 1998: 119 (distr.); Burne, 1998: 393 (distr.); Vlasák & Vlasakova, 2002: 211 (distr.); Monné, M.A. & Hovore, 2006: 45 (checklist); Holt, 2013: 247 (distr., hosts); Klingeman *et al.*, 2017: 29~6 (distr.).

Neoclytus fulguratus Casey, 1912: 367; Leng, 1920: 277 (cat.); Linsley, 1964: 146; Kirk, 1969: 85 (distr.); Waters & Hyche, 1984: 286 (distr.); Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 48 (cat.); Monné, M.A., & Giesbert, 1994: 114 (checklist); MacRae, 1993: 235 (distr.); Linsley & Chemsak, 1997: 406 (hosts); Lingafelter *et al.*, 2014: 76, fig. 71q (holotype).

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

Neoclytus confusus Van Dyke, 1937: 115; Knull, 1946: 221.

Type locality - Holotype male: United States, Pennsylvania: Rockville. (CASC).

9. *Neoclytus interruptus* LeConte, 1873

Type locality - Holotype: United States, California. (MCZN). **Distribution** - United States (Coastal California from Humboldt Co. south to Ventura Co.). **Host plants** - *Ceanothus* sp. (Rhamnaceae).

Neoclytus interruptus LeConte, 1873a: 201; Leng, 1887: 5, 7; Fall, 1901: 247 (distr.); Garnett, 1918: 210 (distr.); Leng, 1920: 277 (cat.); Hopping, 1932: 553, pl. 3, fig. 16; Linsley, 1964: 154; Hatch, 1971: 121; Penrose & Westcott, 1974: 235; Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A. 1993i: 49 (cat.); Linsley & Chemsak, 1997: 406 (hosts); Monné, M.A. & Hovore, 2006: 45 (cat.).

10. *Neoclytus irroratus* (LeConte, 1858)

Syntypes locality - Syntypes: United States, Texas. (MCZN). **Distribution** - Southwestern United States from Texas to California, Mexico (Baja California, Chihuahua, Nuevo León, Tamaulipas, Veracruz, Morelos), Guatemala, Honduras. **Host plants** - *Quercus agrifolia* Née, *Q. emoryi* Torrey (Fagaceae).

Clytus irroratus LeConte, 1858a: 26.

Neoclytus irroratus; Lacordaire, 1869: 77; Horn, 1885a: 197 (syn.); Leng, 1887: 6; Townsend, 1895: 48; Fall, 1901: 147 (distr.); Fall & Cockerell, 1907: 192 (distr.); Garnett, 1918: 210 (distr.); Hopping, 1932: 550, pl. 4, fig. 12; Linsley, 1942: 56; 1964: 139, fig. 42; Chemsak & Linsley, 1974b: 133 (distr.); Chemsak, Linsley & Mankins, 1980: 32 (distr.); Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 49 (cat.); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 406 (hosts); Monné, M.A., 2001a: 38 (cat. hosts); Turnbow, Cave & Thomas, 2003: 15 (distr.); Monné, M.A., 2005: 100 (cat.); Hovore, 2006: 373 (distr.); Monné, M.A. & Hovore, 2006: 45 (checklist); MacRae & Rice, 2007: 23 (hosts); García Morales *et al.*, 2015: 100 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465

Clytus (Rhopalopachys) morosus Chevrolat, 1860: 501

Rhopalopachys morosus; Thomson, 1864: 193; Lacordaire, 1869: 75; Bates, 1880: 58

Syntypes locality - Syntypes: Mexico, Totosinapam. (BMNH).

11. *Neoclytus jouteli jouteli* Davis, 1904

Type locality - Holotype: United States, New Jersey: Lakehurst. (Staten Island Institute of Arts and Sciences). **Distribution** - United States (New Jersey to Virginia and Tennessee).

Host plants - *Quercus alba* Linnaeus, *Q. geminata* Small, *Q. laevis* Walter, *Q. nigra* Linnaeus, *Q. velutina* Lamarck (Fagaceae), *Carya* sp. (Juglandaceae).

Neoclytus jouteli Davis, 1904: 34, pl. 6; Leng, 1907: 175; Bischoff, 1909: 47 (distr.); Smith, 1910: 329; Bischoff, 1918: 231 (distr.); Leng, 1920: 277 (cat.); Kirk & Knull, 1926: 40 (distr.); Hopping, 1932: 559, pl. 3, fig. 15; Knull, 1946: 221; Beal, Haliburton & Knight, 1952: 121 (biol); Linsley, 1964: 143; Rice, 1981: 461 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 60 (cat.); Yanega, 1996: 122, pl. 17, fig. 199; Peck & Thomas. 1998: 119 (distr.); Schiefer, 1998: 119 (distr.); Morris, 2002: 211 (hosts);

MacRae & Rice, 2007: 240 (distr., hosts); Holt, 2013: 247 (distr., hosts); Klingeman *et al.*, 2017: 296 (distr.); Cleger & Gemmill, 2018: 3 (distr., hosts).
Neoclytus jouteli jouteli; Linsley, 1964: 143; M. A., 1993i: 49 (cat.); Monné, M.A., & Giesbert, 1994: 114 (checklist); Linsley & Chemsak, 1997: 406 (hosts); Monné, M.A. & Hovore, 2006: 45 (checklist); Lingafelter, 2007: 72, 148, 2 figs, pl.17, fig. c (hosts).

11a. *Neoclytus jouteli simplarius* Blatchley, 1917

Syntypes locality - Syntypes: United States, Florida : Dunedin. (Entomology Research Collection, Department of Entomology, Purdue University). **Distribution** - United States (Georgia and Florida). **Host plants** - *Quercus laevis* Walter, *Q. nigra* Linnaeus (Fagaceae), *Vitis arborea* Linnaeus (Vitaceae).

Neoclytus simplarius Blatchley, 1917: 240 (hosts); Leng, 1920: 277 (cat.); Blatchley, 1928: 70 (distr.).

Neoclytus jouteli var. *simplarius*; Fattig, 1947: 26

Neoclytus jouteli simplarius; Linsley, 1964: 144; Waters & Hyche, 1984: 286 (distr.); Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 50 (cat.); Monné, M.A., & Giesbert, 1994: 114 (checklist); Burne, 1997: 36 (distr.); Linsley & Chemsak, 1997: 406 (hosts); Peck & Thomas, 1998: 119 (distr.); Morris, 2002: 211 (hosts); Monné, M.A. & Hovore, 2006: 45 (checklist); Lingafelter, 2007: 72, 148, 2 figs, pl.17, fig. c (hosts); Holt, 2013: 247 (distr.).

Neoclytus joultei simplarius; Turnbow & Franklin, 1980: 343 (distr., error).

12. *Neoclytus longipes* (Drury, 1773)

Type locality - Holotype: Jamaica. (Depository unknown). **Distribution** - United States (Georgia, Florida), Cuba, Jamaica. **Host plants** - *Pimenta dioica* (Linnaeus) Merrill (Myrtaceae).

Cerambyx longipes Drury, 1773: 84, pl. 37, fig. 4.

Stenochorus longipes; Schoenherr, 1817: 408.

Clytus longipes; Drury & Westwood, 1837: 79, pl. 37, fig. 4.

Neoclytus longipes; Gahan, 1895: 115; Fisher & Kirk, 1912: 311 (distr.); Leng & Mutchler, 1914: 447 (distr.); Gowdey, 1926: 21 (distr.); Hopping, 1932: 548, pl. 5, figs 3, 4; Duffy, 1960: 174 (hosts); Linsley, 1964: 137; Zayas, 1975: 138; Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A. 1993i: 50 (cat.); Monné, M.A., & Giesbert, 1994: 114 (checklist); Monné, M. A., 2001a: 38 (cat. hosts); Vitali & Resbanyai-Reser, 2003: 6, figs 22 a-d; Peck, 2005: 172 (distr.); Monné, M.A., 2005: 101 (cat.); Monné, M.A. & Hovore, 2006: 46 (checklist); Di Iorio, 2006a: 22; Lingafelter, 2007: 195, 203, 2 figs, pl. 16, fig. i (hosts); Vitali, 2007: 50.

Stenocorus drurii Fabricius, 1775: 181; 1781: 228; 1787: 145; 1793: 302; Zimsen, 1964: 173 (type).

Stenocorus druryi; Fabricius, 1801: 311.

Stenochorus druryi; Schoenherr, 1817: 408.

Type locality - Type: America. (Depository unknown).

Callidium angulatum Fabricius, 1793: 335; Zimsen, 1964: 181 (type).

Clytus angulatus; Fabricius, 1801: 350; White, 1855: 255.

Neoclytus angulatus; Chevrolat, 1862b: 531; Horn, 1886a: 138; Leng, 1887: 5.

Type locality - Holotype: not stated. (BMNH).

Callidium rhombifer Olivier, 1795: (70) 46, pl. 4, figs 51a, b; Schoenherr, 1817: 459.

Clytus rhombifer; Laporte & Gory, 1836: 17, pl. 4, fig. 19; Haldeman, 1847a: 40; LeConte, 1850b: 26.

Syntypes locality - Syntypes male and female: Georgia. (Depository unknown).

Clytus hopei Laporte & Gory, 1836: 20, pl. 5, fig. 20; LeConte, 1850b: 28.

Xylotrechus hopei; Lacordaire, 1869: 79.

Neoclytus hopei; Waterhouse, 1878: 303 (distr.).

Type locality - Holotype male: America borealis. (OXUM).

13. *Neoclytus magnus* Schaeffer, 1904

Type locality - Holotype female: Mexico, Baja California: Ensenada. (USNM). **Distribution** - United States (Southern California north to Santa Barbara and Inyo Cos), Mexico (Baja California). **Host plants** - *Adenostoma fasciculatum* Hooker & Arnott (Rosaceae).

Neoclytus magnus Schaeffer, 1904: 224; Hopping, 1932: 555, pl. 5, fig. 5; Moore, 1937: 90 (distr.); Linsley, 1942: 56; 1964: 150; Cope, 1984a: 31 (hosts); Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 51 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Noguera & Chemsak, 1996: 400 (cat.); Monné, M.A., 2001a: 39 (cat. hosts); Monné, M.A., 2005: 102 (cat.); Monné, M.A. & Hovore, 2006: 46 (checklist); Lingafelter *et al.*, 2014: 94, figs 104i, j (holotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465

14. *Neoclytus modestus modestus* Fall, 1907

Type locality - Holotype male: United States, California: Pasadena. (MCZN). **Distribution** - United States (Southern California: Sierra Madre, San Bernardino, and San Jacinto mts., coastal area south to San Diego Co.). **Host plants** - *Quercus agrifolia*, *Quercus vaccinifolia* Kellogg (Fagaceae).

Neoclytus modestus Fall, 1907: 81; Garnett, 1918: 210 (distr.); Leng, 1920: 277 (cat.); Davis, 1925: 169 (syn.); Hopping, 1932: 556, pl. 3, figs 5,6; Linsley, 1964: 154; Chemsak, Linsley & Noguera, 1992: 68 (cat.); Noguera & Chemsak, 1996: 400 (cat.).

Neoclytus modestus modestus; Linsley, 1964: 155; Hovore, 1988: 28; Monné, M.A., 1993i: 51 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Linsley & Chemsak, 1997: 406 (hosts); Monné, M.A. & Hovore, 2006: 46 (checklist); Hanks *et al.*, 2007: 889 (pherom.).

Neoclytus carus Fall, 1907: 81; Garnett, 1918: 210 (distr.); Leng, 1920: 277 (cat.)

Type locality - Holotype male: United States, California: Mountains near Pasadena. (MCZN).

14a. *Neoclytus modestus zebratus* Van Dyke, 1927

Type locality - Holotype female: United States, California: Plumas County, near Meadow Valley. (CASC). **Distribution** - Oregon and northern California : Coast Range Mts. south to Santa Clara Co., Sierra Nevada Mts. south to Tuolumne Co. **Hosts plants** - *Quercus garryana* Douglas ex Hook., (Fagaceae).

Neoclytus modestus zebratus Van Dyke, 1927: 108; Linsley, 1964: 155; Hatch, 1971: 121; Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 51 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Linsley & Chemsak, 1997: 406 (hosts); Monné, M.A. & Hovore, 2006: 46 (checklist);

15. *Neoclytus mucronatus mucronatus* (Fabricius, 1775)

Type locality - America. (BMNH). **Distribution** - United States (Eastern States to Oklahoma and Texas and northeastern Mexico, Coahuila). **Host plants** - *Acer rubrum* Linnaeus (Aceraceae), *Celtis laevigata* Willdnow (Cannabaceae), *Juniperus virginiana* Linnaeus (Cupressaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Quercus* sp. (Fagaceae), *Carya glabra* (Miller) Sweet, *C. illinoensis* (Wangenheim) K. Koch, *C. ovata* (Miller) K. Koch, *C. tomentosa* Nuttall (Juglandaceae), *Pinus contorta* Douglas ex Loudon, *P. resinosa* Aiton (Pinaceae), *Ulmus americana* L. (Ulmaceae).

Callidium mucronatum Fabricius, 1775: 193; 1781: 243; 1787: 156; Olivier, 1790: 266, pl. 3, fig. 34; Fabricius, 1793: 334; Olivier, 1795: 38, pl. 3, fig. 34; Chevrolat, 1851: 660 (syn.); Zimsen, 1964: 181 (type).

Clytus mucronatus; Fabricius, 1801: 350; Schoenherr, 1817: 467.

Cerambyx (Callidium) maculosus Gmelin, 1790: 1854.

Neoclytus mucronatus Leng, 1920: 277 (cat.); Kirk & Knull, 1926: 40 (distr.); Leonard, 1928: 447 (distr.); Frost & Dietrich, 1929: 436 (distr.); Hopping, 1932: 549, pl. 3, fig. 2; Beaulne, 1932: 202 (hosts); Gaines, 1933: 52 (distr.); Brimley, 1938: 215 (distr.); Hoffmann, 1940: 59 (biol.); Loding, 1945: 119 (distr.); Knull, 1946: 220, pl. 17, fig. 67; Fattig, 1947: 25; Beal,

- Haliburton & Knight, 1952: 120 (biol.); Duffy, 1953: 231 (biol.); Linsley, 1964: 141; Chemsak, Linsley & Noguera, 1992: 69 (cat.); McDowell, 2011: 412 (biol.).
- Neoclytus macronatus*; Alexander, 1958: 48 (distr., error).
- Neoclytus mucronatus mucronatus*; Linsley, 1964: 141, fig 143; Gosling, 1973: 82 (biol., distr.); Perry, 1975: 59 (hosts); Solomon, Doolittle & Spilman, 1976: 290; Turnbow & Franklin, 1980: 343 (distr.); Waters & Hyche, 1984: 286 (distr.); MacRae, 1993: 235 (distr., hosts); Monné, M.A., 1993i: 51 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Lingafelter & Horner, 1993: 175 (distr.); Yanega, 1996: 122, pl. 10, fig. 115; Linsley & Chemsak, 1997: 407 (hosts); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 119 (distr.); Ginzel Matthew & Hanks, 2005: 214 (biol., hosts); Rice & Veal, 2006: 257 (distr.); Monné, M.A. & Hovore, 2006: 46 (checklist); MacRae & Rice, 2007: 240 (distr., hosts); Lingafelter, 2007: 58, 148, 2 figs, pl.14, fig. d (hosts); Lacey *et al.*, 2007: 171 (pherom.); Holt, 2013: 247 (distr., hosts); Spomer, 2014: 300, fig. 5 (distr.); Webster, 2016: 487; Webster *et al.*, 2016: 114 (distr., hosts); Klingeman *et al.*, 2017: 296 (distr.); DiGirolamo & Dodds, 2017: 410 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 67, pl.10; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465
- Cerambyx (Callidium) maculosus* Gmelin, 1790: 1854.
- Type locality** – Type: America. (NHRS).
- Callidium luscum* Fabricius, 1798: 152; Zimsen, 1964: 181 (type).
- Clytus luscus*; Fabricius, 1801: 347; Schoenherr, 1817: 462; Laporte & Gory, 1836: 27, pl.6, fig. 32; Haldeman, 1847a: 39; 1847c: 372 (syn.); LeConte, 1850b: 26; White, 1855: 257; Bland, 1861: 96 (distr., hosts); Pettit, 1871: 106 (distr.).
- Neoclytus luscus*; Lacordaire, 1869: 77; Popenoe, 1877: 33 (distr.); Leng, 1887: 5,6; Hamilton, 1887: 141 (biol.); Hopkins, 1893: 194; Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 77 (hosts); Wickham, 1898b: 41 (distr.); Smith, 1900: 290 (distr.); Ulke, 1903: 26 (distr.); Townsend, 1903: 78 (distr.); Tucker, 1906: 12 (distr.); Schaeffer, 1908: 328 (distr.); Champlain, 1909: 180 (distr.); Blatchley, 1910: 1038; Smith, 1910: 329; Fisher & Kirk, 1912: 311 (distr.); Craighead, 1923: 54 (larva).
- Plagithmysus lusus*; Wickham, 1897a: 151.
- Type locality** - Holotype: America Boreali. (ZMUC).
- Clytus humeralis* Newman, 1838: 394; Guérin-Méneville, 1844a: 234.
- Syntypes locality** - Syntypes: United States, Ohio: Cincinnati. (BMNH).
- Neoclytus luscus strictulus* Casey, 1912: 369; Lingafelter *et al.*, 2014: 93, fig. 102m (holotype).
- Neoclytus mucronatus strictulus*; Leng, 1920: 277.
- Type locality** - Holotype female: United States. (USNM).

15a. *Neoclytus mucronatus vogti* Linsley, 1957

- Type locality** - Holotype female: United States, Texas: Hidalgo Co., Donna. (CASC).
- Distribution** - United States (Baboquivari Mts, Arizona to Lower Rio Grande Valley, Texas), Mexico (Nuevo León, Tamaulipas). **Host plants** - *Parkinsonia aculeata* Linnaeus (Caesalpinaceae), *Celtis laevigata* Willdenow, *C. occidentalis* Linnaeus (Cannabaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Bumelia lanuginosa* Michaux (Sapotaceae), *Ulmus crassifolia* Nuttall (Ulmaceae).
- Neoclytus mucronatus vogti* Linsley, 1957c: 35; 1964: 142; Turnbow & Wappes, 1978: 359 (hosts); Hovore, Penrose & Neck, 1987: 306 (biol.); Monné, M.A., 1993i: 52 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Linsley & Chemsak, 1997: 407 (hosts); Monné, M. A., 2001a: 39 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Monné, M. A., 2005: 102 (cat.); Monné, M.A. & Hovore, 2006: 46 (checklist); García Morales *et al.*, 2015: 100 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465
- Neoclytus mucronatus*; Vogt, 1949: 144 (distr., hosts).

16. *Neoclytus muricatus muricatus* (Kirby, 1837)

- Syntypes locality** - Syntypes: Canada, latitude 54 degrees. (BMNH). **Distribution** - From the Lake states and eastern Canada west to the Pacific and south to middle California. **Host**

plants - *Abies balsamea* (Linnaeus) Miller, *Larix laricina* (Duroi) K. Koch, *Picea* sp., *Pinus ponderosa* Douglas ex Lawson & P. Lawson (Pinaceae).

Clytus muricatus Kirby, 1837: 177; Laporte & Gory, 1836: 90, pl. 17, fig. 105; Haldeman, 1847c: 372; White, 1855: 268.

Clytus muricatus; Haldeman, 1847a: 41 (error); Provancher, 1877: 601.

Neoclytus muricatus. LeConte, 1873a: 200 (syn.); Horn, 1876: 169 (syn.); Leng, 1887: 5, 8; Tolman, 1889: 343; Harrington, 1890: 185 (distr.); Beutenmuller, 1896: 76 (hosts); Wickham, 1897a: 157; Fall, 1901: 147 (distr.); Ulke, 1903: 26 (distr.); Chagnon, 1905: 36 (distr.); Fall & Cockerell, 1907: 192 (distr.); Davis, 1909a: 42 (distr.); Blatchley, 1910: 1039 (distr.); Frost, 1912: 307; Chagnon, 1917: 232 (distr.); Nicolay, 1917: 94 (distr.); Garnett, 1918: 210 (distr., hosts); Britton, 1920: 269 (distr.); Leng, 1920: 277 (cat.); Craighead, 1923: 55 (larva); Fall, 1926: 202 (distr.); Essig, 1926: 457 (hosts); Kirk & Knoll, 1926: 40 (distr.); Procter, 1927: 112 (distr.); Leonard, 1928: 447 (distr.); Criddle, 1928: 97 (distr.); Hopping, 1932: 557, pl. 3, fig. 3 (hosts); Beaulne, 1932: 62 (hosts); Mank, 1934: 80 (distr.); Knowlton & Thatcher, 1936: 80 (hosts); Doane *et al.*, 1936: 184; Van Dyke, 1937: 115 (syn.); Chagnon, 1938: 265, pl. 18, fig. 2; 1938: 86 (distr.); Procter, 1946: 181 (biol.); Knoll, 1946: 221; Knowlton & Wood, 1950: 12 (distr.); Keen, 1952: 47 (hosts); Clark, 1956: 41 (distr.); Gardiner, 1957: 251 (biol.); Alexander, 1958: 48 (distr.); Chagnon & Robert, 1962: 265, pl. 18, fig. 2; Linsley, 1964: 156; Ross, 1968: 12 (biol.); Furniss & Carolin, 1977: 302 (hosts); Chemsak, Linsley & Noguera, 1992: 69 (cat.); Inglebert, 1997: 180 (distr.); Haack, 2017: 113 (hosts).

Plagithmysus muricatus; Wickham, 1897a: 157; 1899a: 198 (distr.); 1899b: 123 (distr.).

Neoclytus muricatus muricatus; Linsley, 1964: 157, fig. 47; Hatch, 1971: 122; Gosling, 1973: 82, fig. 55 (biol., distr.); Kirk & Balsbaugh, 1975: 99 (distr.); Stein & Tigestad, 1976: 23, fig. 10 (distr.); Perry, 1975: 98 (distr.); Laliberté, Chantal & LaRochelle, 1977: 95 (biol.); Gosling, 1984: 72 (hosts); 1986: 156 (hosts); Monné, M.A., 1993i: 62 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Linsley & Chemsak, 1997: 407 (hosts); Rice, MacRae & Merickel, 2017: 669 (distr.).

Clytus longipes Kirby, 1837: 176 (not Drury, 1773) (preoccupied); Haldeman, 1847a: 41; LeConte, 1850b: 28; White, 1855: 268; Bethune, 1872: 96 (syn.).

Plagithmysus longipes; Wickham, 1897a: 152.

Type locality - Holotype: Canada, latitude 54 degrees. (BMNH).

Clytus leucozonus Laporte & Gory, 1836: 90, pl. 17, fig. 105; White, 1855: 279.

Neoclytus leucozonus; Snow, 1877: 19 (distr.); Hoffman, 1988: 72, figs 3, 4 (syn.); Vlasák & Vlasakova, 2002: 212 (distr.).

Neoclytus leucozonus leucozonus; Monné, M.A. & Giesbert, 1995: 117 (cat.); Yanega, 1996: 122, pl. 11, fig. 126; Heffern, 1998: 16 (distr., syn); Monné, M.A. & Hovore, 2006: 45 (checklist); Majka, McCorquodale & Smith, 2007: 261 (distr.); McCorquodale, 2010: 469 (distr.); Webster, 2016: 487; Bousquet, Laplante, Hammond & Langor, 2017: 67, pl. 10

Type locality - Holotype: United States, Massachusetts, Boston. (BMNH).

Neoclytus ascendens LeConte, 1878b: 462; Leng, 1887: 5, 7; 1920: 277 (cat.); Hopping, 1932: 558; Linsley, 1964: 158; Chemsak, Linsley & Noguera, 1992: 68 (cat.); Monné, M.A., 1993i: 43 (cat.).

Clytus ascendens Lameere, 1883: 36 (cat.).

Type locality - Holotype: United States, Colorado: Leavenworth Valley, above Georgetown. (MCZN).

Neoclytus Kirbyi Aurivillius, 1912: 392 (*nom. nov. pro Clytus longipes* Kirby, 1837 non Drury, 1773); Leng, 1920: 277 (cat.).

16a. *Neoclytus muricatus infans* Casey, 1912

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

Distribution - United States (Southern Oregon and northern California. California: Shasta, Siskiyou, Trinity, Humboldt, and Mendocino Cos.). **Host plants** - *Abies* sp., *Pinus insignis* Douglas ex Loudon, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Neoclytus infans Casey, 1912: 368; Leng, 1920: 277 (cat.); Hopping, 1932: 557, pl. 4, fig. 10.

Neoclytus muricatus form *infans*; Van Dyke, 1927: 109.

Neoclytus muricatus infans; Linsley, 1964: 158, fig. 47; Cope, 1984a: 31 (hosts); Chemsak, Linsley & Noguera, 1992: 69 (cat.); Monné, M.A., 1993i: 53 (cat.); Monné, M.A., & Giesbert, 1994: 117 (checklist); Linsley & Chemsak, 1997: 407 (hosts).

Neoclytus leucozonus infans; Monné, M.A., & Giesbert, 1995: 117 (cat.); Monné, M.A. & Hovore, 2006: 46 (checklist);

Neoclytus leucozonas infans; MacRae & Rice, 2007: 240 (distr., hosts, error).

17. *Neoclytus nubilus* Linsley, 1933

Type locality - Holotype female: United States, California: Bass Lake. (CASC). **Distribution** - United States (Sierra Nevada Mts. of California south to Tulare Co.). **Host plants** - *Abies concolor* Gordon & Glen (Pinaceae).

Neoclytus nubilus Linsley, 1933c: 93; 1964: 156; Tyson, 1966: 205 (hosts); Chemsak, Linsley & Noguera, 1992: 69 (cat.); Monné, M.A., 1993i: 53 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Linsley & Chemsak, 1997: 407 (hosts); Monné, M.A. & Hovore, 2006: 46 (cat.).

Neoclytus modestus Fall, 1907: 81 (female not male).

18. *Neoclytus provoanus* Casey, 1924

Type locality - Lectotype: United States, Utah: North Fork, Provo Canyon. (USNM).

Distribution - Pacific coast of North America from British Columbia to northern California & Rocky Mountain region south to Utah. In Canada from south-central British Columbia to south-central Alberta

Neoclytus provoanus Casey, 1924: 272; Hopping, 1932: 555, pl. 5, fig. 9; Knowlton & Thatcher, 1936: 280 (distr.); Stace-Smith, 1946: 28; Linsley, 1964: 153 (syn.); Hatch, 1971: 121; Penrose & Westcott, 1974: 235 (distr.); Chemsak, Linsley & Noguera, 1992: 69 (cat.); Monné, M. A., 1993i: 54 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Monné, M.A. & Hovore, 2006: 46 (checklist); Lingafelter *et al.*, 2014: 303, 368, fig. 136m (lectotype); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 67, pl. 10

Neoclytus basalis Van Dyke, 1927: 106 (preoccupied, not Chevrolat)

Neoclytus basillaris Van Dyke, 1929: 136 (*nom. nov. pro Neoclytus basalis*); Hopping, 1932: 553, pl. 5, fig. 6;

Type locality - Holotype: United States, Washington: Spokane. (CASC).

19. *Neoclytus resplendens* Linsley, 1935

Type locality - Holotype male: United States, California: Sequoia National Park. (CASC).

Distribution - United States (Northern California: Sierra Nevada Mts. south to Tulare Co. and Coast Ranges south to Monterey Co.). **Host plants** - *Arctostaphylos patula* Greene (Ericaceae), *Quercus* sp. (Fagaceae).

Neoclytus resplendens Linsley, 1935b: 163, figs 4, 4a; 1964: 152, fig. 46; Penrose & Westcott, 1974: 235; Cope, 1984a: 31 (hosts); Chemsak, Linsley & Noguera, 1992: 69 (cat.); Monné, M.A., 1993i: 55 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Linsley & Chemsak, 1997: 407 (hosts); Monné, M.A. & Hovore, 2006: 46 (checklist);

20. *Neoclytus scutellaris* (Olivier, 1790)

Syntypes localities - Syntypes: United States, Georgia, Carolina. (BMNH). **Distribution** -

Canada (Ontario) and Eastern United States west into Nebraska, Kansas and Texas. **Host plants** - *Acer* sp. (Aceraceae), *Cornus* sp. (Cornaceae), *Quercus alba* Linnaeus, *Q. lyrata* Walter, *Q. palustris* Du Roi, *Q. phellos* Linnaeus, *Q. stellata* Wangenheim, *Q. velutina* Lamarck (Fagaceae), *Carya* sp. (Juglandaceae), *Ulmus* sp. (Ulmaceae), *Vitis* sp. (Vitaceae).

Callidium scutellare Olivier, 1790: 266, pl. 5, fig. 52; 1795: 51, pl. 5, fig. 52.

Clytus scutellaris; Schoenherr, 1817: 467; Audinet-Serville, 1834a: 36; Laporte & Gory, 1836: 53, pl. 11, fig. 52; Haldeman, 1847a: 40; LeConte, 1850b: 25; Melsheimer, 1853: 105 (cat.); LeConte, 1858a: 41 (distr.); 1859: 48 (distr.); Bland, 1861: 96.

Clytus luscus var. *scutellaris* White, 1855: 257.

Neoclytus scutellaris; Thomson, 1861: 226; Lacordaire, 1869: 77; Horn, 1886a: 139; Hamilton, 1887: 143; Leng, 1887: 5; Hamilton, 1895: 338 (distr.); Smith, 1900: 290 (distr.); Dury, 1902: 160 (distr.); Ulke, 1903: 26 (distr.); Blatchley, 1910: 1038; Smith, 1910: 329; Daecke, 1911: 478 (hosts); Fisher & Kirk, 1912: 311 (distr.); Leng, 1920: 277 (cat.); Craighead, 1923: 54 (larva); Kirk & Knull, 1926: 40 (distr.); Leonard, 1928: 447 (distr.); Frost & Dietrich, 1929: 436 (distr.); Ware, 1929: 368 (distr.); Hopping, 1932: 549, pl. 3, fig. 8; Gaines, 1933: 52 (distr.); Brimley, 1938: 215 (distr.); Savely, 1939: 340 (biol.); Loding, 1945: 119 (distr.); Knull, 1946: 219; Fattig, 1947: 25 (biol.); Beal, Haliburton & Knight, 1952: 121 (biol.); Duffy, 1953: 232 (hosts); Alexander, 1958: 48 (distr.); Dillon & Dillon, 1961: 62, pl. 50, No.1; Linsley, 1964: 140; Gosling, 1973: 81 (biol., distr.); Solomon, Doolittle & Spilman, 1976: 290; Turnbow & Franklin, 1980: 343 (distr.); Waters & Hyche, 1984: 286 (distr.); Chemsak, Linsley & Noguera, 1992: 69 (cat.); MacRae, 1993: 235 (distr.); Lingafelter & Horner, 1993: 175 (distr.); Monné, M.A., 1993i: 55 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Yanega, 1996: 122, pl.10, fig. 116; Browne & Peck, 1996: 259 (distr.); Linsley & Chemsak, 1997: 407 (hosts); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 119 (distr.); Monné, M.A. & Hovore, 2006: 46 (checklist); Rice & Veal, 2006: 257 (distr.); MacRae & Rice, 2007: 240 (distr., hosts); Lingafelter, 2007: 60, 148, 2 figs, pl. 14, fig. h (hosts); Holt, 2013: 247 (distr., hosts); Spomer, 2014: 300 (distr.); Klingeman, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 67, pl.10

Clytus elegans Haldeman, 1847a: 40.

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

21. *Neoclytus senilis* (Fabricius, 1798)

Type locality - Holotype male: Cayenne. **Distribution** - French Guiana? United States (Georgia, Florida), Mexico, Cuba, Bahamas, Cayman Islands. **Host plants** - *Mangifera indica* Linnaeus (Anacardiaceae), *Baccharis halimifolia* Linnaeus (Asteraceae), *Conocarpus erectus* Linnaeus (Combretaceae), *Piscidia piscipula* (Linnaeus) Sargent (Fabaceae), *Quercus geminata* Small (Fagaceae), *Carya floridana* Sargent (Juglandaceae), *Lysiloma latisiliqua* (Linnaeus) Bentham (Mimosaceae), *Ximenia americana* Linnaeus (Olacaceae), *Punica granatum* Linnaeus (Punicaceae), *Rhizophora mangle* Linnaeus (Rhizophoraceae), *Citrus sinensis* (Linnaeus) Osbeck (Rutaceae), *Sideroxylon foetidissimum* Jacquin (Sapotaceae), *Avicennia germinans* (Linnaeus) Stearns (Verbenaceae).

Callidium senile Fabricius, 1798: 152; Zimsen, 1964: 181 (type).

Clytus senilis; Fabricius, 1801: 350; Schoenherr, 1817: 467.

Neoclytus senilis; Aurivillius, 1912: 393 (cat.); Monné, M.A., 1993i: 56 (cat.); Monné, M.A., 2005: 104 (cat.); Monné, M.A. & Hovore, 2006: 46 (checklist); Martins & Galileo, 2011a: 115, fig. 75 (syn.); Morvan & Morati, 2 Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465011: 17 (distr.); Vlasák, 2014: 318 (hosts); Devesa, Fonseca & Barro, 2015: 32, figs 1-10;

Clytus cordifer Klug, 1829: 13.

Neoclytus cordifer; Gahan, 1895: 115; Leng & Mutchler, 1914: 447 (distr.); Schwarz in Holland, 1917: 342 (distr.); Watson, 1926: 399 (hosts); Kirk & Knull, 1926: 40 (distr.); Blatchley, 1930: 33 (distr.); Hopping, 1932: 548, pl. 3, fig. 13; Bruner, Scaramuzza & Otero, 1945: 49 (hosts); Fattig, 1947: 25 (distr.); Duffy, 1960: 174 (hosts); Linsley, 1964: 138; Chemsak, 1969a: 187 (distr.); Zayas, 1975: 135, pl. 18, fig. a; Chemsak, Linsley & Noguera, 1992: 68 (cat.); Linsley & Chemsak, 1997: 405 (hosts); Monné, M. A., 2001a: 37 (cat. hosts); Monné, M.A., 2005: 98 (cat.); Morris, 2002: 211 (hosts); Peck, 2005: 172 (distr.); Monné, M.A. & Hovore, 2006: 44 (checklist); Fernández García & Favila, 2007: 26 (distr.); Turnbow & Thomas, 2008: 21 (distr.); Fernández García, Favila Castillo & López Iborra 2009: 322 (distr.); Thomas, Turnbow & Steiner, 2013: 19 (distr.);

Type locality - Type: Cuba. (Depository unknown).

Clytus rufescens Laporte & Gory, 1838: 16, pl. 4, fig. 18; White, 1855: 255; Jacquelin DuVal in Sagra, 1857: 268.

Type locality - Holotype: Mexico. (Depository unknown).

Clytus devastator Laporte & Gory, 1838: 17, pl. 4, fig 18 bis; White, 1855: 255; Jacquelin DuVal in Sagra, 1857: 268; Back, 1918: 411, pl. 12 (biol.).

Neoclytus devastator; Thomson, 1861: 226; Chevrolat, 1862a: 263; 1862b: 531; Lacordaire, 1869: 76; Leng, 1887: 5, 6; Schwarz, 1888: 93 (biol.); Klages, 1901: 273, 290 (distr.).

Type locality - Holotype: Cuba. (Depository unknown).

22. *Neoclytus tenuiscriptus* Fall, 1907

Syntypes locality - Syntypes: United States, California: Claremont. (MCZN). **Distribution** - United States (Southern California to southwestern Arizona), northern Mexico. **Host plants** - *Baccharis glutinosa* Persoon, *Encelia* sp., *Hymenoclea* sp., *Pluchea* sp. (Asteraceae), *Medicago sativa* Linnaeus, *Trifolium* sp. (Fabaceae), *Eriogonum* sp. (Polygonaceae).

Neoclytus tenuiscriptus Fall, 1907: 82; Garnett, 1918: 210 (distr.); Hopping, 1932: 553, pl. 3, fig. 11; Linsley, 1964: 147, fig. 44; Hovore, 1983: 380 (biol.); Chemsak, Linsley & Noguera, 1992: 69 (cat.); Monné, M.A., 1993i: 57 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Noguera & Chemsak, 1996: 401 (cat.); Monné, M.A., 2001a: 41 (cat. hosts); Monné, M.A., 2005: 105 (cat.); Monné, M.A. & Hovore, 2006: 46 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465

23. *Neoclytus torquatus* LeConte, 1873

Type locality - Holotype: United States, Texas. (MCZN). **Distribution** - United States (Texas), Mexico (Nuevo León, Hidalgo). **Host plants** - *Quercus* sp. (Fagaceae).

Neoclytus torquatus LeConte, 1873a: 200; Leng, 1887: 5; 1920: 277 (cat.); Hopping, 1932: 551, pl. 3, fig. 12; Linsley, 1964: 149; Rice, 1985b: 557 (descrip. male); Chemsak, Linsley & Noguera, 1992: 69; Monné, M.A., 1993i: 57 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Linsley & Chemsak, 1997: 407 (hosts); Monné, M.A. & Hovore, 2006: 46 (checklist); Gutiérrez & Noguera, 2015: 143 (distr., hosts); Noguera & Gutiérrez, 2016: 657 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465

24. *Neoclytus vanduzeei* Van Dyke, 1927

Type locality - Holotype: United States, Arizona: Nogales. (CASC). **Distribution** - United States (Arizona). **Host plants** - *Baccharis* sp. (Asteraceae), *Arctostaphylos pungens* Kunth (Ericaceae).

Neoclytus vanduzeei Van Dyke, 1927: 107; Hopping, 1932: 552, pl. 4, fig. 13; Linsley, 1964: 149; Hovore, 1983: 381; Cope. 1984: 32 (hosts); Hovore, 1988: 13 (hosts); Chemsak, Linsley & Noguera, 1992: 69 (cat.); Monné, M.A., 1993i: 57 (cat.); Monné, M.A., & Giesbert, 1994: 115 (checklist); Linsley & Chemsak, 1997: 408 (hosts); Monné, M.A. & Hovore, 2006: 46 (cat.)

Ochraethes Chrolat, 1860

Clytus (Ochraethes) Chevrolat, 1860: 454.

Ochraethes; Casey, 1912: 348, 356; Hopping, 1937: 453; Arnett, 1962: 868, 887; Linsley, 1964: 100; Monné, M.A., 1993i: 17 (cat.); Monné, M.A., 2005: 106 (cat.); Monné, M.A. & Hovore, 2006: 47 (checklist); Monné, M.A., 2012: 14.

Ochroesthes; Chevrolat, 1860: 472 (error).

Ochraesthes; Thomson, 1861: 219; 1864: 185; 1865: 424 (error).

Ochrestes; Lacordaire, 1869: 65 (error).

Ochresthes; Bates, 1880: 50 (error).

Type-species - *Clytus (Ochroesthes) circuliferus* Chevrolat, 1860 (subsequent designation, Thomson, 1861: 219). [= *Clytus sommeri* Chevrolat, 1835].

1. *Ochraethes citrinus* (Chevrolat, 1860)

Syntypes locality - Syntypes male and female: Mexico. (BMNH). **Distribution** - United States (Texas, Davis Mts.), Mexico (Puebla, Coahuila, San Luis Potosí, Tamaulipas), Guatemala, Honduras. **Host plants** - *Helianthus* sp. (Asteraceae).

Clytus (Ochroesthes) citrinus Chevrolat, 1860: 474.

Ochroesthes citrinus; Bates, 1880: 51 (distr.).

Ochraethes citrinus; Aurivillius, 1912: 386 (cat.); Linsley, 1964: 100, fig. 28; Chemsak, Linsley & Mankins, 1980: 31 (distr.); Hovore, Penrose & Neck, 1987: 306 (biol.); Chemsak, Linsley & Noguera, 1992: 69 (cat.); Monné, M.A., 1993i: 18 (cat.); Monné, M.A., & Giesbert, 1994: 116 (checklist); Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 1997: 411 (hosts); Monné, M.A., 2001a: 41 (cat. hosts); Turnbow, Cave & Thomas, 2003: 15 (distr.); Monné, M.A., 2005: 106 (cat.); Hovore, 2006: 373 (distr.); Monné, M.A. & Hovore, 2006: 47 (checklist); García Morales *et al.*, 2015: 100 (distr.); Noguera & Gutiérrez, 2016: 657 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 465

Ochroesthes sigmoideus Bates, 1885: 298, pl. 21, fig. 4; Chemsak, 1967b: 78 (lect.).

Ochraethes sigmoideus; Aurivillius, 1912: 386 (cat.); Hopping, 1937: 453, pl. 3.

Type locality - Lectotype male: Mexico, San Luis Potosí. (BMNH).

2. *Ochraethes nevadensis* Heffern, Botero & Santos-Silva, 2020

Type locality - Holotype male: United States of America, Nevada: Esmeralda Co., Boundary Peak, Trail Canyon (TAMU). **Distribution** – United States (Nevada)

Ochraethes nevadensis Heffern, Botero & Santos-Silva, 2020a: 180, figs 9-12

Placosternus Hopping, 1937

Placosternus Hopping, 1937: 447; Arnett, 1962: 868, 887; Linsley, 1964: 92; Monné, M.A., 1993i: 14 (cat.); Martins & Galileo, 2011a: 97; Monné, M.A., 2005: 110 (cat.); Monné, M.A. & Hovore, 2006: 47 (checklist); Monné, M.A., 2012: 14.

Type-species - *Cyllene difficilis* Chevrolat, 1862 (original designation).

1. *Placosternus difficilis* (Chevrolat, 1862)

Syntypes locality - Syntypes: Cuba, Habana. (BMNH). **Distribution** - Southwestern United States, from Texas to southern California, northern Mexico (Sonora, Nuevo León, Jalisco, Morelos, Oaxaca, Tamaulipas), Honduras, Cuba, Bahamas. **Host plants** - *Celtis iguanaea* Jacquin, *C. laevigata* Willdenow (Cannabaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *A. rigidula* Benth, *Leucaena pulverulenta* (Schlechtendal) Benth, *Pithecellobium flexicaule* (Benth) Coulter, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Platanus occidentalis* Linnaeus (Platanaceae), *Citrus sinensis* (Linnaeus) Osbeck (Rutaceae).

Cyllene difficilis Chevrolat, 1862a: 263; Lacordaire, 1869: 92; Gahan, 1895: 114; Leng & Mutchler, 1914: 447 (distr.).

Clytus difficilis; Gemminger & Harold, 1872: 2928 (cat.).

Placosternus difficilis; Hopping, 1937: 448, pl. 3; Vogt, 1949: 143 (distr., hosts); Cazier & Lacey, 1952: 35; Linsley, 1964: 93, fig. 29; Manley & French, 1976: 47, fig. 1; Rogers, 1977a: 227 (hosts); Hovore, Penrose & Neck, 1987: 306 (biol.); Chemsak, Linsley & Noguera, 1992: 70 (cat.); Browne, Peck & Ivie, 1993: 46 (distr.); Monné, M.A., 1993i: 14 (cat.); Monné, M.A., & Giesbert, 1994: 116 (checklist); Chemsak & Noguera, 1995: 62 (distr., hosts); Noguera & Chemsak, 1996: 401 (cat.); Browne & Peck, 1996: 2159 (distr.); Linsley & Chemsak, 1997: 420 (hosts); Monné, M.A., 2001a: 42 (cat. hosts); Toledo *et al.*, 2002: 528 (distr.); Noguera *et al.*, 2002: 624 (distr.); Turnbow, Cave & Thomas, 2003: 15 (distr.); Monné, M.A., 2005: 111 (cat.); Peck, 2005: 172 (distr.); Hovore, 2006: 373 (distr.); Monné, M.A. & Hovore, 2006: 47 (checklist); MacRae & Rice, 2007: 242 (hosts); Thomas & Turnbow, 2007: 584 (distr.); Noguera *et al.*, 2007: 310 (distr.); Perez-Gelabert, 2008: 117 (distr.); Turnbow & Thomas, 2008: 21 (distr.); Noguera *et al.*, 2009: 87 (distr.); Morales-Morales *et al.*, 2012: 38 (biol.); Noguera *et al.*, 2012: 620 (distr.); García Morales *et al.*, 2015: 101 (distr.); Devesa, Fonseca & Barro, 2015: 33, 286, figs 1-9; Hernández-Cardenas *et al.*, 2016: 497 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 466

Megacyllene difficilis; Zayas, 1975: 133, pl. 17, fig. c; Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.);

Cyllene crinicornis; Horn, 1880a: 134, pl. 2, fig. 8 (not Chevrolat, 1860); LeConte, 1880b: xxiv; Bates, 1880: 47 (distr.); Packard, 1881: 138 (biol.); Bates, 1885: 294; Leng, 1887: 196; Packard, 1890: 646; Beutenmuller, 1896: 76 (hosts); Schwarz, 1896: 48 (biol.); Wickham, 1898b: 41 (distr.); Fall, 1901: 146 (distr.); Townsend, 1903: 78 (distr.); Knaus, 1905: 352 (distr.); Snow, 1906a: 146 (distr.); Schaeffer, 1908: 328 (distr.); Leng & Mutchler, 1914: 447 (distr.); Garnett, 1918: 209 (distr.); Craighead, 1921: 203 (biol.); Casey, 1924: 270 (syn.); Gowdey, 1926: 21 (distr.); Hopping, 1928a: 8 (syn.); Linsley & Martin, 1933: 181 (distr.); Linsley, 1935a: 85 (distr.); Doane *et al.*, 1936: 182 (biol.).

Cyllene reducta Casey, 1912: 351; Lingafelter *et al.*, 2014: 309, figs 142o, p (lect. designation).

Type locality - Lectotype: Texas ?. (USNM).

Cyllene filicornis Casey, 1912: 352; Lingafelter *et al.*, 2014: 62, figs 66g, h (holotype).

Cyllene crinicornis filicornis; Casey, 1924: 270.

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

2. *Placosternus erythropus* (Chevrolat, 1835)

Syntypes locality - Syntypes: Mexico. (BMNH). **Distribution** - United States (Texas), Mexico (Sonora, Durango, Jalisco, Guanajuato, Mexico, Distrito Federal, Veracruz, Hidalgo, Puebla, Morelos, Tabasco, Tamaulipas, Tlaxcala, Veracruz), Guatemala, Costa Rica (Guanacaste, Heredia). **Host plants** - *Baccharis neglecta* Nuttall (Asteraceae), *Acacia hindsii* Benthham, *Prosopis dulcis* Kunth, *P. juliflora* (Swartz) de Candolle (Mimosaceae), *Condalia globosa* I.M. Johnston (Rhamnaceae), *Crataegus pubescens* Steudel, *Malus sylvestris* Miller, *Prunus capollin* Zuccarini, *P. domestica* Linnaeus, *P. persica* (Linnaeus) Batsch, *Pyrus communis* Willdenow (Rosaceae).

Clytus erythropus Chevrolat, 1835: (49); Laporte & Gory, 1836: 4, pl. 2, fig. 1; White, 1855: 249.

Clytus (*Cyllene*) *erythropus*; Chevrolat, 1860: 458.

Cyllene erythropus; Lacordaire, 1869: 63; Horn, 1880a: 135; Bates, 1880: 47; 1885: 294; Dugés, 1885: 40, pl. 3, figs 1-12 (larva, pupa); Perkins & Swezey, 1924: 51 (hosts); Dampf, 1929: 247 (hosts); Linsley, 1935a: 85 (distr.).

Placosternus erythropus; Hopping, 1937: 449; Linsley, 1964: 94; Hovore & Giesbert, 1976: 356 (distr., hosts); Hovore, Penrose & Neck, 1987: 306 (distr., biol.); Terrón, 1991: 306, fig. 15; Chemsak, Linsley & Noguera, 1992: 70 (cat.); Monné, M.A., 1993i: 14 (cat.); Monné, M.A., & Giesbert, 1994: 116 (checklist); Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 1997: 420 (hosts); Monné, M.A., 2001a: 42 (cat. hosts); Turnbow, Cave & Thomas, 2003: 15 (distr.); Monné, M.A., 2005: 111 (cat.); Hovore, 2006: 373 (distr.); Monné, M.A. & Hovore, 2006: 47 (checklist); Swift *et al.*, 2010: 14 (distr.); MacRae, Bezark & Swift, 2012: 176; García Morales *et al.*, 2015: 101 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 466

Megacyllene erythroga; Duffy, 1960: 173 (hosts).

Clytus mexicanus Laporte & Gory, 1836: 6, pl. 2, fig. 3; White, 1855: 250.

Cyllene mexicana; Bates, 1880: 47 (distr.); 1885: 294.

Type locality - Holotype: Mexico. (MVMA).

Clytus variegatus Laporte & Gory, 1836: 6, pl. 2, fig. 4; White, 1855: 250.

Clytus (*Cyllene*) *erythropus* var. *variegatus*; Chevrolat, 1860: 458.

Type locality - Holotype: Mexico. (MVMA).

Sarosesthes Thomson 1864

Sarosesthes Thomson, 1864: 185, 424; Lacordaire, 1869: 63; LeConte, 1873b: 319; Provancher, 1877: 579, 596; LeConte & Horn, 1883: 304; Leng, 1887: 195; Wickham, 1897a: 87; Blatchley, 1910: 1035; Casey, 1912: 348; Bradley, 1930: 239; Hopping, 1932: 533; 1937: 439, 452; Chagnon, 1938: 263; Knull, 1946: 215; Dillon & Dillon, 1961: 599; Chagnon & Robert, 1962: 255, 263; Arnett, 1962: 868, 887; Linsley, 1964: 102; Monné, M.A., 1993i: 23 (cat.); Monné, M.A., & Giesbert, 1994: 117 (checklist); Monné, M.A. & Hovore, 2006: 48 (checklist);

Type-species - *Clytus fulminans* Fabricius, 1775 (original designation).

1. *Sarosesthes fulminans* (Fabricius, 1775)

Syntypes locality - Syntypes: America meridionali. (BMNH). **Distribution** - Eastern North America to Kansas, Iowa, and Minnesota. **Host plants** – *Conium maculatum* Linnaeus (Apiaceae), *Castanea dentata* (Marshall) Borkhausen, *C. sativa* Miller, *Quercus alba* Linnaeus, *Q. borealis* F. Michaux, *Q. prinus* Linnaeus, *Q. velutina* Lamarck (Fagaceae), *Carya porcina* Nuttall, *Juglans cinerea* Linnaeus (Juglandaceae).

Callidium fulminans Fabricius, 1775: 192; 1781: 241; 1787: 155; Olivier, 1790: 264, pl. 5, fig. 63; 1785: 32, pl.5, fig. 63; Fabricius, 1793: 332; 1801: 346; Palisot de Beauvois, 1821: 248, pl. 37, fig. 4; Zimsen, 1964: 181 (types).

Cerambyx (Callidium) fulminans; Gmelin, 1790: 1853

Arhopalus fulminans; Audinet-Serville, 1834a: 78; Haldeman, 1847a: 36; 1847c: 372; LeConte, 1850b: 18; 1859d: 48; Bland, 1861: 95; LeConte, 1873b: 319; Packard, 1873: 244, fig. 51 (hosts); Provancher, 1877: 597; Popenoe, 1877: 33 (distr.); Riley, 1880: 239 (biol.); Packard, 1881: 74, 221, 243, fig. 129 (biol.); Hopkins, 1893: 194 (biol.); Hamilton, 1893a: 274 (distr.); 1893b: 326 (distr.); 1895: 338 (distr.); Beutenmuller, 1896: 76 (hosts); Wickham, 1897b: 156 (distr.); Ehrmann, 1897: 169 (hosts); Chagnon 1897: 15 (distr.); Smith, 1900: 289 (distr.); Dury, 1902: 160 (distr.); Ulke, 1903: 26,50 (distr.); Hopkins, 1904: 37 (biol.); Felt, 1906: 444 (biol.); Wickham, 1909a: 28 (distr.); Smith, 1910: 328; Blatchley, 1910: 1035, fig. 441; Leng, 1911: 215 (distr.); Fisher & Kirk, 1912: 311 (distr.); Morris, 1916: 20 (hosts); Johnson, 1916: 119 (distr.); Chagnon, 1917: 232 (distr.); Nicolay, 1919: 67 (distr.); Britton, 1920: 269 (distr.); Morris, 1920a: 76 (distr.); Craighead, 1923: 51, pl. 42, fig. 7 (larva); Champlain, Kirk & Knull, 1925: 108 (hosts); Kirk & Knull, 1926: 39 (distr.); Leonard, 1928: 446 (distr.); Beaulne, 1932: 202 (hosts); Barrett, 1932: 289 (hosts); Herrick, 1935: 221 (hosts); Sheppard, 1936: 75 (distr.); Chagnon, 1938: 263, pl. 17, fig. 12; Loding, 1945: 119 (distr.); Sherman, 1946: 127 (distr.); Chagnon & Robert, 1962: 263, pl. 17, fig. 12.

Clytus fulminans; Laporte & Gory, 1836: 35, pl. 8, fig. 24; Chevrolat, 1852: 650; White, 1855: 260.

Sarosesthes fulminans; Thomson, 1864: 185; Lacordaire, 1869:64; Hopping, 1937: 453, pl. 3; Knull, 1946: 215, pl.12, fig. 48; Fattig, 1947: 24 (biol.); Dillon & Dillon, 1961: 599, pl. 59, No.11; Linsley, 1964: 130, fig. 30-2; Gosling, 1973: 80 (biol., distr.); Turnbow & Franklin, 1980: 343 (distr.); Cote & Allen, 1980: 412 (biol.); Haack, Benjamin & Haack, 1983: 48, 49 (hosts); Gosling, 1984: 73 (hosts); Chemsak, Linsley & Noguera, 1992: 70 (cat.); MacRae, 1993 : 234 (distr.) ; Monné, M.A., 1993i: 23 (cat.) ; Monné, M.A., & Giesbert, 1994: 117 (checklist); Yanega, 1996 : 122, pl. 11, fig. 125; Linsley & Chemsak, 1997: 432 (hosts); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 119 (distr.); Vlasák & Vlasakova, 2002: 212 (distr., hosts); Monné, M.A. & Hovore, 2006: 48 (checklist); Lingafelter, 2007: 88, 150, pl. 21, fig. d; Guarneri, 2009: 18 (distr.); Lacey, Millar, Moreira & Hanks, 2009: 733 (pherom.); Webster *et al.* , 2012: 314 (distr.); Holt, 2013: 247 (distr.); Spomer, 2014 : 300; Webster, 2016: 487; Klingeman, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 64, pl. 9

Sarosesthes fulminans; Duffy, 1953: 227 (hosts, error).

Triodoclytus Casey, 1913

Triodoclytus Casey, 1913: 287; Bradley, 1930: 239; Hopping, 1932: 565; Arnett, 1962: 868. 887; Linsley, 1964: 21; Hatch, 1971: 118; Monné, M.A., 1993i: 21 (cat.); Monné, M.A. & Hovore, 2006: 48 (checklist);

Ochraethes (Triodoclytus); Hopping, 1937: 454.

Type species - *Clytus laniger* LeConte, 1873 (Hopping designation, 1932: 565).
Paraclytus Casey, 1912 : 351, 374.
Type-species - *Clytus laniger* LeConte, 1873 (original designation) (preoccupied by *Paraclytus* Bates, 1884).
Synclytus Lucas, 1920: 480 (cat.).

1. *Triodoclytus laniger* (LeConte, 1873)

Syntypes locality - Syntypes male and female: United States, California: Owen's Valley (MCZN). **Distribution** - United States (Southern Oregon and California). **Host plants** - *Sambucus* sp. (Caprifoliaceae), *Pickeringia montana* Nuttall ex Torrey & Gray (Fabaceae), *Quercus chrysolepis* Liebmann (Fagaceae), *Ceanothus crassifolius* Torrey, *Rhamnus californica* Eschscholtz (Rhamnaceae).
Clytus laniger LeConte, 1873b: 198; Lameere, 1883: 36 (cat.); LeConte & Horn, 1883: 304; Leng, 1887: 198; Fall, 1901: 146 (distr.); Wright & Coolidge, 1908: 68 (distr.); Garnett, 1918: 209 (distr., biol.).
Paraclytus laniger; Casey, 1912: 374.
Triodoclytus laniger; Casey, 1913: 387; Leng, 1920: 278 (cat.); Hopping, 1932: 565, pl. 4, fig. 3; Moore, 1937: 90 (distr.); Leech, 1959: 44 (hosts); Linsley, 1964 : 101, fig. 32; Hatch, 1971: 119, pl. 3, fig. 5; Hovore & Giesbert, 1976: 357 (hosts); Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 21 (cat.); Monné, M.A., & Giesbert, 1994: 117 (checklist); Linsley & Chemsak, 1997: 447 (hosts); Monné, M.A. & Hovore, 2006: 48 (checklist); Vlasák, 2014: 319 (hosts).
Ochraethes (Triodoclytus) laniger; Hopping, 1937: 454.
Paraclytus brevitarsis Casey, 1912: 375 ; Lingafelter *et al.*, 2014: 33, 369, 34k (lectotype).
Triodoclytus brevitarsis; Leng, 1920: 278 (cat.).
Type locality - Holotype male: United States, California: San Diego.(USNM).
Paraclytus crucialis Casey, 1912: 375; Lingafelter *et al.*, 2014: 48, fig. 50w (holotype).
Triodoclytus crucialis; Leng, 1920 : 278.
Type locality - Holotype male: United States, California: Siskiyou County. (USNM).

Tylcus Casey, 1912

Tylcus Casey, 1912: 348, 351; Bradley, 1930: 239; Hopping, 1937: 451; Arnett, 1962: 868, 886; Linsley, 1964: 91; Monné, M.A., 1993i: 13 (cat.); Monné, M.A., 2005: 115 (cat.); Monné, M.A., 2012: 14; Monné, M.A. & Hovore, 2006: 48 (checklist);
Type-species - *Clytus hartwegi* White, 1855 (original designation).

1. *Tylcus hartwegi* (White, 1855)

Type locality - Holotype: Mexico, Oaxaca. (BMNH). **Distribution** - United States (Western Texas, Davis and Chisos Mts., southern Arizona), Mexico (Baja California Sur, Sonora, Chihuahua, Guanajuato, Oaxaca, Chiapas, Hidalgo, Tamaulipas, Distrito Federal), Guatemala. **Host plants** - *Quercus* sp. (Fagaceae).
Clytus hartwegi White, 1855: 252, pl. 6, fig. 8; Lucas, 1857b: xlvi; Strauch, 1861: 131.
Clytus (Trichoxys) hartwegii; Chevrolat, 1860: 466.
Trichoxys hartwegi; Lacordaire, 1869: 63; Bates, 1880: 50; LeConte & Horn, 1883: 534; Bates, 1885: 296 (distr.); Leng, 1887: 197.
Tylcus hartwegi; Casey, 1912: 348; Hopping, 1937: 452, pl. 3; Linsley, 1964: 91, fig. 28; Hovore, 1988: 13 (distr.); Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 13 (cat.); Monné, M.A., & Giesbert, 1994: 117 (checklist); Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 1997: 447 (hosts); Monné, M.A., 2001a: 43 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 104 (distr.); Monné, M.A., 2005: 115 (cat.); Hovore, 2006: 373 (distr.); Monné, M.A. & Hovore, 2006: 48 (checklist); Gutiérrez & Noguera, 2015: 144 (distr.); García Morales *et al.*, 2015: 101 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 466

Xylotrechus Chevrolat, 1860

Xylotrechus Chevrolat, 1860: 456; Thomson, 1861: 221; 1864: 190; 1865: 424; Fairmaire in Jacquelin DuVal, 1864: 143; Lacordaire, 1869: 77; Pascoe, 1869: 606; LeConte, 1873a: 198; 1873b: 319; Provancher, 1877: 579, 598; Bates, 1880: 58; LeConte & Horn, 1883: 304; Leng, 1887: 195; Gahan, 1906: 241; Blatchley, 1910: 1036; Casey, 1912: 349, 359; Reitter, 1912: 47; Planet, 1924: 161; Bradley, 1930: 239; Hopping, 1932: 533; 1937: 439; Chagnon, 1938: 255, 263; Plavilstshikov, 1940: 336; Knull, 1946: 212, 215; Villiers, 1946: 92; Gressitt, 1951: 231; Heyrovsky, 1955: 211; Arnett, 1962: 868, 886; Chagnon & Robert, 1962: 255, 263; Linsley, 1964: 104; Hatch, 1971: 118; Monné, M.A., 1993i: 33 (cat.); Monné, M.A., 2005: 116 (cat.); Monné, M.A. & Hovore, 2006: 48 (checklist); Sama, 2008: 229 (type-species); Bousquet, Laplante, Hammond & Langor, 2017: 67 (key spp.)

Type-species - *Clytus (Xylotrechus) sartori* Chevrolat, 1860 (subsequent designation, Thomson, 1861: 221).

1. *Xylotrechus aceris* Fisher, 1917

Type locality - Holotype male: United States, District Columbia, Washington. (USNM). **Distribution** - This species ranges from west-central New Brunswick to the Lake Superior area in Ontario, south to east-central Mississippi and Georgia. **Host plants** - *Acer pensylvanicum* Linnaeus, *A. platanoides* Linnaeus, *A. rubrum* Linnaeus, *A. saccharinum* Linnaeus, *A. saccharum* Marshall (Aceraceae).

Xylotrechus aceris Fisher, 1917: 215 (hosts); Nicolay, 1919: 277 (distr.); Leng, 1920: 277 (cat.); Britton, 1920: 269 (distr.); Craighead, 1923: 58, pl. 15, fig. 7 (larva); Champlain, Kirk & Knull, 1925: 239 (hosts); Kirk & Knull, 1926: 40 (distr.); Leonard, 1928: 446 (distr.); Hopping, 1932: 544, pl. 2, fig. 9; Cooper, 1935: 152 (distr.); Herrick, 1935: 179 (biol.); Chagnon, 1938: 264; Knull, 1946: 217; Craighead, 1950: 269 (biol.); Anderson, 1960: 282 (hosts); Chagnon & Robert, 1962: 264; Linsley, 1964: 132; Baker, 1972: 201 (biol.); Gosling, 1973: 81 (biol., distr.); Laliberté, Chantal & LaRochelle, 1977: 100 (biol.); Turnbow & Franklin, 1980: 343 (distr.); Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné M.A., 1993i: 33 (cat.); Monné, M.A., & Giesbert, 1994: 117 (checklist); Yanega, 1996: 112, pl. 11, fig. 131; Linsley & Chemsak, 1997: 451 (hosts); Schiefer, 2001: 334 (distr.); Vlasák & Vlasakova, 2002: 212 (distr., hosts); Korotyaev *et al.*, 2005: 253 (hosts); Monné, M.A. & Hovore, 2006: 48 (checklist); Lingafelter, 2007: 61, 150, 2 figs, pl. 14 j (hosts); Staines, 2008: 147 (distr.); Lingafelter *et al.*, 2014: 9, fig. 8m (holotype); Webster *et al.*, 2016: 114 (distr., hosts); Haack, 2017: 118 (hosts); Webster, 2016: 487; Klingeman *et al.*, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 69, pl. 10

2. *Xylotrechus albonotatus* Casey, 1912

Type locality - Holotype male: United States, California: Siskiyou Co. (USNM). **Distribution** - United States (Sierra Nevada to southern California), Mexico (Baja California). **Host plants** - *Abies concolor* Gordon & Glen, *A. magnifica* A. Murray (Pinaceae).

Xylotrechus albonotatus Casey, 1912: 361; Linsley, 1964: 127, figs 39, 40 (syn.); Hovore, 1988: 13 (distr.); Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 33 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 1997: 451 (hosts); Monné, M.A., 2001a: 43 (cat. hosts); Monné, M.A., 2005: 116 (cat.); Monné, M.A. & Hovore, 2006: 48 (checklist); Lingafelter *et al.*, 2014: 12, figs 11u, v (holotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 466

Xylotrechus cinereus Van Dyke, 1920: 41 (not *cinereus* Laporte & Gory, 1836).

Type locality - Holotype male: United States, California: Fallen Leaf Lake. (CASC).

Xylotrechus abietis Van Dyke, 1929: 136 (*nom. nov.*); Hopping, 1932: 539, pl. 2, figs 10, 11; Keen 1949: 93 (hosts); 1952: 197 (hosts).

3. *Xylotrechus bowditchi bowditchi* Hopping, 1928

Type locality - Holotype male: United States, Colorado: Florissant. (MCZN). **Distribution** - United States (Colorado, Utah and northern Arizona). **Host plants** - *Picea* sp. (Pinaceae).
Xylotrechus bowditchi Hopping, 1928b: 247; 1932: 539; Knowlton & Wood, 1950: 12 (distr.); Chemsak, Linsley & Noguera, 1992: 71 (cat.).
Xylotrechus bowditchi bowditchi; Linsley, 1964: 129; Monné, M.A., 1993i: 34 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Linsley & Chemsak, 1997: 452 (hosts); Heffern, 1998: 17 (distr.); Monné, M.A. & Hovore, 2006: 48 (checklist);

3a. *Xylotrechus bowditchi hoppingi* Linsley, 1957

Type locality - Holotype male: United States, New Mexico: Jemez Mountains. (CASC). **Distribution** - United States (New Mexico and Colorado). **Host plants** - *Abies* sp., *Picea* sp., *Pinus* sp. (Pinaceae).
Xylotrechus bowditchi hoppingi Linsley, 1957c: 35; 1964: 129; Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 34 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Linsley & Chemsak, 1997: 452 (hosts); Heffern, 1998: 17 (distr.); Monné, M.A. & Hovore, 2006: 48 (checklist);

4. *Xylotrechus colonus* (Fabricius, 1775)

Type locality - Holotype: United States, Carolina. (Depositary unknown). **Distribution** - Distributed from western Newfoundland to southwestern Manitoba, south to southeastern Texas and central Florida. **Host plants** - *Acer rubrum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Betula alleghaniensis* Britton, *B. nigra* Linnaeus (Betulaceae), *Cornus* sp. (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Castanea dentata* (Marshall) Borkhausen, *Fagus ferruginea* Aiton, *Quercus alba* Linnaeus, *Q. nigra* Linnaeus, *Q. palustris* Du Roi, *Q. prinus* Linnaeus, *Q. rubra* Linnaeus, *Q. stellata* Wangenheim, *Q. velutina* Lamarck (Fagaceae), *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Carya glabra* (Miller) Sweet, *C. illinoensis* (Wangenheim) K. Koch, *C. ovata* (Miller) K. Koch, *C. tomentosa* Nuttall, *Juglans nigra* Linnaeus (Juglandaceae), *Nyssa* sp. (Nyssaceae), *Celtis occidentalis* Fraxinus americana Linnaeus (Oleaceae), *Pinus contorta* Douglas ex Loudon, *Tsuga canadensis* (Linnaeus) Carrière (Pinaceae), *Malus* sp. (Rosaceae), *Salix exigua* Nuttall (Salicaceae), *Ulmus alata* Michaux, *U. americana* Linnaeus (Ulmaceae).
Callidium colonum Fabricius, 1775: 191; 1781: 241; 1787: 155; Olivier, 1790: 259, pl. 6, fig. 67; Fabricius, 1793: 331; Olivier, 1795: 31, pl. 6, fig. 67; Zimsen, 1964: 180 (types).
Cerambyx (Callidium) colonum; Gmelin, 1790: 1852.
Callidium coloreum Fabricius, 1801: 345 (error).
Clytus colonus; Schoenherr, 1817: 468; LeConte, 1850b: 28; 1858a: 41 (distr.); Bland, 1861: 96 (distr., hosts).
Xylotrechus colonus; Austin, 1874: 270 (distr.); Provancher, 1877: 599; Popenoe, 1877: 33 (distr.); Riley, 1880: 239 (hosts); Packard, 1881: 27, 114 (biol.); 1883: 259, pl. 12, fig. 3 (biol.); Harrington, 1884: 46 (hosts); Townsend, 1885: 70 (distr.); Horn, 1886a: 138; Harrington, 1887: 30 (biol.); Leng, 1887: 199; Saunders, 1887: 29 (distr.); Packard, 1890: 77, 424, 485, 536, fig. 26, pl. 22, figs 2, 2a, 3 (larva); Caulfield, 1890: 57 (biol.); Hopkins, 1893: 194 (biol.); Chittenden, 1894: 97 (paras., hosts); Hamilton, 1895: 338 (distr.); Slosson, 1895b: 319 (distr.); Evans, 1895b: 173 (distr.); Beutenmuller, 1896: 76 (hosts); Wickham, 1897a: 151, fig. 25; 1897b: 156 (distr.); Hopkins, 1898b: 46 (biol.); Smith, 1900: 290 (distr.); Dury, 1902: 160 (distr.); Ulke, 1903: 26, 50 (distr.); Hopkins, 1904: 38 (biol.); Melander, 1904: 20 (hosts); Felt, 1905: 259, fig. 44 (biol.); Champlain, 1909: 180 (distr.); Morris, 1909: 417 (biol.); Wickham, 1909a: 28 (distr.); Blatchley, 1910: 1037, fig. 442; Smith, 1910: 328; Leng, 1910: 77 (distr.); Aurivillius, 1912: 363 (cat.); Fisher & Kirk, 1912: 311 (distr.); Frost, 1912: 307 (biol.); Kaeber, 1913: 430 (hosts); Lovell, 1915: 115; Chagnon, 1917: 232 (distr.);

Dozier, 1918: 334 (distr.); Nicolay, 1919: 67 (distr.); Britton, 1920: 269 (distr.); Cushman & Rohwer, 1921: 441 (paras.); Craighead, 1921: 195 (biol.); 1923: 57, pl. 18, fig. 5, pl. 20, fig. 5 (larva); Felt, 1923: 87 (biol.); Blackman & Stage, 1924: 100 (biol.); Champlain, Kirk & Knull, 1925: 139 (hosts); Hatch, 1925: 580 (distr.); Ortenburger & Hatch, 1926: 147 (distr.); Kirk & Knul, 1926: 40 (distr.); Brues, 1927: 77; Leonard, 1928: 446 (distr.); St. George, 1929: 8 (biol.); Ware, 1929: 368 (distr.); Hopping, 1932: 543, pl. 2, fig. 1; Beaulne, 1932: 202 (hosts); Barrett, 1932: 291 (hosts); Goldman, 1933: 89, pl. 5, figs 16-18 (morphol.); Belkin, 1934: 222 (distr.); Herrick, 1935: 221 (hosts); Doane *et al.*, 1936: 183; Frost, 1937: 202 (distr.); Chagnon, 1938: 86 (distr.); Savely, 1939: 340 (biol.); Townes, 1944: 773 (paras.); Loding, 1945: 119 (distr.); Knull, 1946: 217; Procter, 1946: 181 (biol.); Craighead, 1950: 271; Beal, Haliburton & Knight, 1952: 111 (biol.); Duffy, 1953: 232, fig. 207 (larva); Alexander, 1958: 51 (distr.); Anderson, 1960: 276; Gardiner, 1960: 280, figs 1-15 (larva); Dillon & Dillon, 1961: 602, pl. 59, No. 10; Chagnon & Robert, 1962: 264; Linsley, 1964: 111, fig. 35; Galford, 1969: 2 (biol.); Swan & Papp, 1972: 448, fig. 949; Baker, 1972: 202, fig. 70 (biol.); Gosling, 1973: 80, fig. 50 (biol., distr.); Perry, 1975: 59 (hosts); Kirk & Balsbaugh, 1975: 99 (distr.); Solomon, Doolittle & Spilman, 1976: 290; Stein & Tigestad, 1976: 49 (distr.); Laliberté, Chantal & LaRochelle, 1977: 100 (biol.); Turnbow & Franklin, 1980: 343 (distr.); Cote & Allen, 1980: 412 (biol.); Haack, Benjamin & Haack, 1983: 49 (hosts); Gosling, 1984: 73 (hosts); Waters & Hyche, 1984: 286 (distr.); Gosling, 1986: 158 (hosts); Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 34 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); MacRae, 1993: 234 (distr., hosts); Lingafelter & Horner, 1993: 175 (distr.); Yanega, 1996: 123, pl. 11, fig. 129; Krinsky & Godwin, 1996: 238 (hosts); Linsley & Chemsak, 1997: 452 (hosts); Heffern, 1998: 17 (distr.); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 119 (distr.); Vlasák & Vlasakova, 2002: 212 (distr., hosts); Ginzel *et al.*, 2003: 533 (pherom.); Ginzel & Hanks, 2005: 214 (biol., hosts); Monné, M.A. & Hovore, 2006: 48 (checklist); Majka, McCorquodale & Smith, 2007: 261 (distr.); MacRae & Rice, 2007: 245 (distr., hosts); Lingafelter, 2007: 62, 151, 2 figs, pl. 25, fig. a (hosts); Guarnieri, 2009: 18 (distr.); Lacey, Millar, Moreira & Hanks, 2009: 733 (pherom.); Wesbter McCorquodale, 2010: 469 (distr.); Holt, 2013: 247 (distr.); Steury & MacRae, 2014: 11 (distr.); Webster, 2016: 487; Haack, Keena & Eyre, 2017: 78 (biol.); Klingeman *et al.*, 2017: 296 (distr.); DiGirolomo & Dodds, 2017: 410 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 70, pl.10

Callidium campestre Olivier, 1795: 65, pl. 8, fig. 95

Clytus campestris; Schoenherr, 1817: 473; Haldeman, 1847a: 40; LeConte, 1850b: 27; Emmons, 1854: 118, pl. 8, fig. 5; Reed, 1868: 19 (distr.).

Xylotrechus campestris; Thomson, 1861: 221; Lacordaire, 1869: 79

Type locality - Holotype: Amérique Septentrionale. (Depository unknown).

Callidium villicum Olivier, 1795: 64, pl. 8, fig. 94; Schoenherr, 1817: 459.

Clytus colonus var. *villicus*; Gemminger & Harold, 1872: 2926 (cat.).

Xylotrechus colonus ab. *villicus*; Aurivillius, 1912: 364 (cat.).

Type locality - Holotype: Amérique Septentrionale. (MNHN).

Callidum terminans Fabricius, 1798: 151; 1801: 345; Schoenherr, 1817: 457; Zimsen, 1964: 180 (types).

Clytus terminans; Laporte & Gory, 1836: 83, pl. 15, fig. 96; White, 1855: 277.

Syntypes locality - Syntypes: America Borealis. (ZMUC).

Clytus Upsilon Stephens, 1831: 244.

Syntypes locality - Syntypes: England, Derbyshire, near Norwood. (BMNH).

Clytus agrestis LeConte, 1850b: 28.

Xylotrechus colonus ab. *agrestis*; Aurivillius, 1912: 363 (cat.).

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

5. *Xylotrechus convergens* LeConte, 1873

Type locality - Holotype: United States, Ohio. (MCZN). **Distribution** - Eastern North America to Iowa. Canada (Ontario). **Host plants** - *Crataegus viridis* Linnaeus (Rosaceae).

Xylotrechus convergens LeConte, 1873a: 198; Webster, 1879: 20; LeConte, 1880b: xxiv s/p (hosts); Myers, 1881: 151 (biol.); Packard, 1881: 137 (biol.); Lameere, 1883: 36 (cat.); Leng, 1887: 198; Packard, 1890: 536 (hosts); Beutenmuller, 1896: 76 (hosts); Dury, 1902: 160 (distr.); Wickham, 1909a: 28 (distr.); Blatchley, 1910: 1036; Leng, 1920: 277 (cat.); Craighead, 1923: 56 (larva); Kirk & Knull, 1926: 40 (distr.); Leonard, 1928: 447 (distr.); Hopping, 1932: 545, pl. 2, fig. 8 (hosts); Knull, 1946: 218; Linsley, 1964: 129; Gosling, 1973: 81 (biol., distr.); Stein & Tigestad, 1976: 50 (distr.); Turnbow & Franklin, 1980: 343 (distr.); Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 35 (cat.); MacRae, 1993: 234 (distr.); Monné, M.A., 1993i: 35 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Yanega, 1996: 123, pl., fig. 114; Linsley & Chemsak, 1997: 452 (hosts); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 119 (distr.); Monné, M.A. & Hovore, 2006: 49 (checklist); MacRae & Rice, 2007: 245 (distr., hosts); Lingafelter, 2007: 62, 151, 2 figs, pl. 14, fig. m (hosts); Holt, 2013: 247 (distr.); Hart, Cope & Ivie, 2013: 135 (distr.); Spomer, 2014: 300 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 70

6. *Xylotrechus gemellus* Casey, 1893

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

Xylotrechus gemellus Casey, 1893: 590; Leng & Hamilton, 1896: 172; Knowlton, 1934: 86 (distr.); Linsley, 1964: 121; Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 36 (cat.); Monné, M.A., & Giesbert, 1994: 119 (checklist); Yanega, 1996: 123, pl. 11, fig. 121; Heffern, 1998: 17 (syntypes); Monné, M.A. & Hovore, 2006: 49 (checklist); Lingafelter *et al.*, 2014: 69, fig. 74 a (lectotype).

Xylotrechus undulatus gemellus; Leng, 1920: 277 (cat.).

7. *Xylotrechus hovorei* Swift, 2007

Type locality - Holotype male: United States, California: San Bernardino County, Mount Baldy Road. (USNM). **Distribution** - United States (California). **Host plants** - *Alnus rhombifolia* Nuttall (Betulaceae).

Xylotrechus hovorei Swift, 2007: 287, fig. 1a; Lingafelter *et al.*, 2014: 77, fig. 83o (holotype).

8. *Xylotrechus insignis* LeConte, 1873

Type locality - Holotype: United States, California. (MCZN). **Distribution** - United States (Pacific coast from Oregon to southern California), Mexico (Baja California). **Host plants** - *Salix* sp. (Salicaceae).

Xylotrechus insignis LeConte, 1873a: 199; Casey, 1891: 35; 1912: 366; 1913: 387 (syn.); Garnett, 1918: 209 (distr.); Van Dyke, 1920: 42 (syn.); Craighead, 1923: 58 (larva); Essig, 1926: 457 (biol.); Hopping, 1932: 541, pl. 2, figs 13, 14; Linsley, 1935b: 163, figs 2, 2A; Doane *et al.*, 1936: 184 (biol.); Linsley, 1942: 55; Keen, 1952: 197 (hosts); Chemsak, 1958: 41 (hosts); Linsley, 1964: 117, figs 35, 37; Tyson, 1966: 207 (hosts); Hatch, 1971: 120, pl. 13, figs 7, 7a; Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 36 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 1997: 454 (hosts); Monné, M.A., 2001a: 44 (cat. hosts); Monné, M.A., 2005: 116 (cat.); Monné, M.A. & Hovore, 2006: 49 (checklist); Ray, Lacey & Hanks, 2006: 546 (pheromones); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 467; Gimmel *et al.*, 2023: 250 (distr.)

Xylotrechus obliteratus; Leng, 1887: 199; Fall, 1901: 147 (not LeConte, 1873).

Xylotrechus incongruens Casey, 1912: 366; Lingafelter *et al.*, 2014: 79, figs 86q, r (lect. designation).

Xylotrechus insignis var. *incongruens*; Linsley, 1964: 119; Monné, M.A. & Hovore, 2006: 48 (checklist);

Type locality - Lectotype: United States, California: Humboldt Co., Hoopa Valley. (USNM).

Xylotrechus diruptus Casey, 1912: 367; Lingafelter *et al.*, 2014: 54, figs 57e, f (holotype).

Type locality - Holotype: United States, California: Los Angeles Co. (USNM).

9. *Xylotrechus integer* (Haldeman, 1847)

Type locality - Holotype: United States, Pennsylvania. (MCZN). **Distribution** - Eastern Canada and northeastern United States from New Brunswick to West Virginia. **Host plants** - *Chamaecyparis thyoides* (Linnaeus) Britton, Sterns & Poggenburg (Cupressaceae), *Abies balsamea* (Linnaeus) Miller, *Tsuga canadensis* (Linnaeus) Carrière (Pinaceae).

Clytus undulatus var. *integer* Haldeman, 1847a: 41.

Xylotrechus undulatus ab. *integer*; Aurivillius, 1912: 365.

Xylotrechus undulatus var. *integer*; Leng, 1920: 277 (cat.).

Xylotrechus integer; Linsley, 1964: 123; Morris, 1987: 141 (distr.); Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 36 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Yanega, 1996: 123, pl. 11, fig. 123; Linsley & Chemsak, 1997: 453 (hosts); Vlasák & Vlasakova, 2002: 212 (distr., hosts); Monné, M.A. & Hovore, 2006: 49 (checklist); Lingafelter, 2007: 63, 151, 2 figs, pl. 15, fig. c (hosts); Webster, 2016: 487; Majka, McCorquodale & Smith, 2007: 261 (distr.); McCorquodale, 2010: 469 (distr.); Klingeman *et al.*, 2017: 296 (distr.); DiGirolamo & Dodds, 2017: 410 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 70, pl.11

Clytus fuscus LeConte, 1850b: 27 (not Kirby); 1858a: 41.

Xylotrechus undulatus var. *fuscus*; Leng, 1887: 4; Blatchley, 1910: 1037; Casey, 1912: 359; Frost, 1912: 307; Britton, 1920: 269 (distr.); Leng, 1920: 277 (cat.); Kirk & Knull, 1926: 40 (distr.); Procter, 1927: 112 (distr.); Leonard, 1928: 446; Procter, 1946: 181 (biol.).

Xylotrechus fuscus; Nicolay, 1917: 94 (distr.); Van Dyke, 1920: 42 (distr.); Hopping, 1932: 538, pl. 2, fig.4; Beaulne, 1932: 202 (hosts).

Xylotrechus annosus fuscus; Craighead, 1923: 57 (larva).

Xylotrechus undulatus fuscus; Brues, 1927: 77.

Xylotrechus frosti Van Dyke, 1937: 114; Knull, 1946: 216.

Type locality - Holotype male: Canada, New Brunswick, Bathurst. (CASC).

10. *Xylotrechus lengii* Schaeffer, 1908

Type locality - Holotype: United States, Oregon: Dilley. (USNM). **Distribution** - Pacific coast of North America from British Columbia to California. **Host plants** - *Abies concolor* Gordon & Glen, *Pseudotsuga menziesii* (Mirbel) Franco, *P. taxifolia* (Poiret) Britton (Pinaceae).

Xylotrechus lengii Schaeffer, 1908: 340; Leng, 1920: 277 (cat.); Hopping, 1932: 540, pl. 4, fig. 2 (hosts); Linsley, 1964: 125; Hatch, 1971: 120; Cope, 1984a: 35 (hosts); Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 36 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Linsley & Chemsak, 1997: 453 (hosts); Monné, M.A. & Hovore, 2006: 49 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 70, pl.11

11. *Xylotrechus mormonus* (LeConte, 1861)

Type locality - Holotype: United States, Utah. (MCZN). **Distribution** - Yukon Territory to Manitoba to northern California and Utah. **Host plants** - *Populus tremuloides* Michaux, *Salix* sp. (Salicaceae).

Clytus mormonus LeConte, 1861: 357.

Xylotrechus mormonus Lacordaire, 1869: 79; LeConte, 1873a: 200; Leng, 1887: 200; 1920: 277 (cat.); Linsley, 1964: 116; Barr & Penrose, 1969: 94 (distr.); Hatch, 1971: 120; Chemsak, Linsley & Noguera, 1992: 61 (cat.); Monné, M.A., 1993i: 37 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Linsley & Chemsak, 1997: 453 (hosts); Monné, M.A. & Hovore, 2006: 49 (checklist); Rice, MacRae & Merickel, 2017: 670 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 70, pl.11

Xylotrechus obliteratus Hopping, 1932: 534, 542, pl. 2, fig.16 (not LeConte, 1873).

12. *Xylotrechus nitidus* (Horn, 1860)

Syntypes localities - Syntypes: United States, Texas: Comal County; New Jersey: Gloucester County. (MCZN). **Distribution** - Northeastern United States to Texas.

Clytus nitidus Horn, 1860: 570, pl. 8, fig. 2; Bland, 1861: 96 (distr.).

Xylotrechus nitidus; Horn, 1875: 150; Leng, 1887: 198; Smith, 1910: 329; Blatchley, 1910: 1036; Fisher & Kirk, 1912: 311 (distr.); Leng, 1920: 277 (cat.); Kirk & Knull, 1926: 40 (distr.); Hopping, 1932: 545, pl. 4, fig. 14; Knull, 1946: 218, pl. 17, fig. 49; Sherman, 1946: 127 (distr.); Linsley, 1964: 130, fig. 41; Turnbow & Franklin, 1980: 343 (distr.); Chemsak, Linsley & Noguera, 1992: 72 (cat.); Monné, M.A., 1993i: 37 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Yanega, 1996: 123, pl. 10, fig. 113; Monné, M.A. & Hovore, 2006: 49 (checklist); Klingeman *et al.*, 2017: 296 (distr.).

13. *Xylotrechus nunenmacheri* Van Dyke, 1920

Syntype locality - Syntypes male: United States, Oregon: Josephine County, Kerby. (CASC).

Distribution - United States (Southwestern Oregon). **Host plants** - *Salix* sp. (Salicaceae).

Xylotrechus insignis race *nunenmacheri* Van Dyke, 1920: 43.

Xylotrechus nunenmacheri; Hopping, 1932: 542, pl. 2, fig. 15; Linsley, 1935b: 161, figs. 1,1a; 1964: 119; Hatch, 1971: 120, pl. 13, figs 8, 8a; Chemsak, Linsley & Noguera, 1992: 72 (cat.); Monné, M.A., 1993i: 38 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Linsley & Chemsak, 1997: 453 (hosts); Monné, M.A. & Hovore, 2006: 49 (checklist);

Xylotrechus uniformis Casey, 1924: 270; Lingafelter *et al.*, 2014: 338, fig. 176w (holotype).

Type locality - Holotype male: United States, Oregon: Josephine County, Kerby. (USNM).

14. *Xylotrechus obliteratus* LeConte, 1873

Syntypes locality - Syntypes: United States, Colorado. (MCZN). **Distribution** - United States (Rocky Mts., above 8,500 ft elev.). **Host plants** - *Populus tremuloides* Michaux (Salicaceae).

Xylotrechus obliteratus LeConte, 1873a: 199; Fall & Cockerell, 1907: 192 (distr.); Wright & Coolidge, 1908: 68 (distr.); Casey, 1912: 365; 1913: 387; Van Dyke, 1920: 43 (distr.); Leng, 1920: 277 (cat.); Craighead, 1923: 58 (larva); Essig, 1926: 457 (biol.); Spencer, 1932: 25; Hopping, 1932: 542; Herrick, 1935: 574 (hosts); Knowlton & Thatcher, 1936: 279 (biol.); Hatch, 1939: 49 (distr.); Craighead, 1950: 270 (biol.); Keen, 1952: 197 (hosts); Anderson, 1960: 275; Linsley, 1964: 120; Baker, 1972: 202 (biol.); Furniss & Carolin, 1977: 307 (biol.); Chemsak, Linsley & Noguera, 1992: 72 (cat.); Monné, M.A., 1993i: 38 (cat.); Monné, M.A., & Giesbert, 1994: 1198 (checklist); Linsley & Chemsak, 1997: 453 (hosts); Heffern, 1998: 17 (distr.); Monné, M.A. & Hovore, 2006: 49 (checklist);

Clytus obliteratus; Lameere, 1883: 37 (cat.).

15. *Xylotrechus quadrimaculatus* (Haldeman, 1847)

Type locality - Holotype: United States, Pennsylvania. (MCZN), **Distribution** - This species ranges from the Nova Scotia peninsula to southern Manitoba, north to the northern shore of the Gulf of St. Lawrence, south to Pennsylvania and New Jersey. **Host plants** - *Alnus* sp., *Betula populifolia* (Betulaceae), *Carpinus caroliniana* Walter (Corylaceae), *Fagus ferruginea* Aiton (Fagaceae).

Clytus 4-maculatus Haldeman, 1847a: 41; LeConte, 1850b: 29; Bland, 1861: 96 (distr., hosts); Pettit, 1871: 106 (distr.).

Xylotrechus quadrimaculatus; Provancher, 1877: 600; Hamilton, 1895: 338 (distr.); Slosson, 1895a: 6 (distr.); Wickham, 1897a: 150; Harrington, 1897: 73 (biol.); Smith, 1900: 290 (distr.); Ouellet, 1902: 122 (distr.); Ulke, 1903: 26, 50 (distr.); Blatchley, 1910: 1036; Smith, 1910: 328; Frost, 1916: 388 (distr.); Chagnon, 1917: 232 (distr.); Leng, 1920: 77 (cat.); Britton, 1920: 269 (distr.); Craighead, 1923: 59, pl. 40, fig. 1 (larva); Champlain, Kirk & Knull, 1925: 108 (biol.); Kirk & Knull, 1926: 40 (distr.); Leonard, 1928: 446 (distr.); Ware, 1929: 368 (distr.); Beaulne, 1932: 202 (hosts); Hopping, 1932: 545, pl. 2, fig. 5; Knull, 1934b: 210 (hosts); Chagnon, 1938: 264; Knull, 1946: 218; Craighead, 1950: 270 (biol.); Chagnon & Robert, 1962: 264; Linsley, 1964: 131; Baker, 1972: 201; Gosling, 1973: 81 (biol., distr.); Laliberté, Chantal & LaRochelle, 1977: 100 (biol.); Gosling, 1986: 158 (hosts);

Chemsak, Linsley & Noguera, 1992: 72 (cat.); Monné, M.A., 1993i: 38 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Yanega, 1996: 123, pl. 11, fig. 132; Linsley & Chemsak, 1997: 453 (hosts); Vlasák & Vlasakova, 2002: 212 (distr., hosts); Lingafelter, 2007: 61, 151, 2 figs, pl. 14, fig. k (hosts); McCorquodale, 2010: 469 (distr.); Monné, M.A. & Hovore, 2006: 49 (checklist); Webster, 2016: 487; Haack, 2017: 117 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 71, pl.11

Xylotrechus 4-maculatus; Leng, 1887: 198; Bowditch, 1896: 33 (biol.).

16. *Xylotrechus quercus* Schaeffer, 1905

Syntypes locality - Syntypes male and female: United States, Arizona: Huachuca Mts. (Miller's Canyon). (USNM). **Distribution** - United States (southeastern Arizona), Mexico (Chihuahua, Sinaloa). **Host plants** - *Quercus hypoleucoides* (Fagaceae).

Xylotrechus quercus Schaeffer, 1905: 163; 1908: 330 (distr.); Hopping, 1932: 544, pl. 4, fig. 1; Linsley, Knull & Statham, 1961b: 19 (distr.); Linsley, 1964: 108; Chemsak & Linsley, 1974b: 137 (distr.); Hovore & Giesbert, 1976: 357 (hosts); Chemsak, Linsley & Noguera, 1992: 72 (cat.); Monné, M.A., 1993i: 38 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 1997: 453 (hosts); Monné, M.A., 2001a: 44 (cat. hosts); Monné, M.A., 2005: 117 (cat.); Monné, M.A. & Hovore, 2006: 49 (checklist); Lingafelter *et al.*, 2014: 308, figs 141w, x (holotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 467

17. *Xylotrechus rameyi* Alten, 2014

Type locality - Holotype male: United States, Utah: Kane County, Mount Carmel Junction, 1.5 miles south of junction state highways 9 and 89A (East fork of the Virgin River) [37.20° N, 112.69° W]. (USNM). **Distribution** - United States (Southern Utah and northern Arizona)

Xylotrechus rameyi Alten, 2014: 1, 6, figs. 1-4.

18. *Xylotrechus robustus* Hopping, 1941

Type locality - Holotype male: United States, Colorado: Griffith Mill, Estes Park. (CASC). **Distribution** - Northern Colorado (Estes Park, Steamboat Springs) through western Colorado (Ouray) to eastern Arizona (Greer). **Host plants** - *Picea* sp. (Pinaceae).

Xylotrechus robustus Hopping, 1941: 29; Linsley, 1964: 122; Chemsak, Linsley & Noguera, 1992: 72 (cat.); Monné, M.A., 1993i: 38 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Heffern, 1998: 17 (distr., hosts); Monné, M.A. & Hovore, 2006: 49 (checklist);

19. *Xylotrechus sagittatus sagittatus* (Germar, 1821)

Type locality - Holotype: America Septentrionalis. (MNHU). **Distribution** - This subspecies ranges from Prince Edward Island and the Nova Scotia peninsula to southeastern Manitoba, south to northern New Mexico, southern Texas, southern Florida and New Mexico. **Host plants** - *Juniperus virginiana* Linnaeus (Cupressaceae), *Quercus rubra* Linnaeus (Fagaceae), *Abies* sp., *Picea* sp., *Pinus banksiana* Lambert, *P. contorta* Douglas ex Loudon, *P. echinata* Miller, *P. palustris* Miller, *P. rigida* Miller, *P. sylvestris* Linnaeus (Pinaceae).

Clytus sagittatus Germar, 1821: 171; Laporte & Gory, 1836: 82, pl. 15, fig. 95; LeConte, 1852: 177 (syn.); White, 1855: 277; LeConte, 1866: 349 (distr.).

Neoclytus sagittarius; Thomson, 1861: 226 (error); Hamilton, 1895: 338 (error).

Xylotrechus sagittatus: Provancher, 1877: 599; Snow, 1883: 42 (distr.); Leng, 1887: 198; Hamilton, 1893a: 274 (distr.); Evans, 1895b: 173 (distr.); Wickham, 1897a: 150; 1897b: 157 (distr.); Smith, 1900: 290 (distr.); Bowditch, 1903: 46 (distr.); Ulke, 1903: 26, 50 (distr., hosts); Snow, 1906a: 146, 149 (distr.); 1906b: 170 (distr.); Felt, 1906: 663, fig. 191 (distr.); Fall & Cockerell, 1907: 192 (distr.); Wickham, 1909a: 402 (distr.); Blatchley, 1910: 1036; Smith, 1910: 328; Casey, 1912: 363; Fisher & Kirk, 1912: 311 (distr.); Davis & Leng, 1912: 121 (hosts); Chagnon, 1917: 232 (distr.); Dozier, 1918: 335; Nicolay, 1919: 67; Dozier, 1920: 366 (distr.); Britton, 1920: 269 (distr.); Craighead, 1923: 57 (larva); Kirk & Knull, 1926: 40 (distr.); Leonard, 1928: 446 (distr.); Hopping, 1932: 534, pl. 2, fig. 2; Beaulne, 1932: 202

- (hosts); Chagnon, 1938: 263, pl. 17, fig. 10; Brimley, 1938: 215 (distr.); Savely, 1939: 279 (hosts); Loding, 1945: 119 (distr.); Knull, 1946: 216; Fattig, 1947: 25 (biol.); Beal, Haliburton & Knight, 1952: 121 (biol.); Gardiner, 1957: 249, figs 2, 25 (larva); Alexander, 1958: 51 (distr.); Anderson, 1960: 278; Chagnon & Robert, 1962: 263, pl. 17, fig. 10; Linsley, 1964: 107; Baker, 1972: 202 (biol.); Laliberté, Chantal & LaRochelle, 1977: 100 (biol.); Furniss & Carolin, 1977: 308 (hosts); Turnbow & Franklin, 1980: 343 (distr.); Waters & Hyche, 1984: 286 (distr.); Chemsak, Linsley & Noguera, 1992: 72 (cat.); Lingafelter, 2007: 63, 151, 2 figs, pl. 14, fig. n (hosts); Martins & Galileo, 2011: 7 (distr.).
- Xylotrechus sagittatus sagittatus*; Chemsak, 1959: 114; Linsley, 1964: 107, fig. 33; Gosling, 1973: 80, fig. 49 (biol., distr.); Perry, 1975: 59 (distr., hosts); MacRae, 1993: 234 (distr., hosts); Monné, M.A., 1993i: 39 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Yanega, 1996: 123, pl. 11, fig. 130; Browne & Peck, 1996: 2159 (distr.); Linsley & Chemsak, 1997: 454 (hosts); Schiefer, 1998: 119 (distr.); Heffern 1998: 17 (distr.); Vlasák & Vlasakova, 2002: 212 (distr., hosts); Smith & Hurley, 2005: 488 (distr.); Monné, M.A. & Hovore, 2006: 49 (checklist); Webster, McCorquodale & Majka, 2009: 298 (distr.); Guarnieri, 2009: 18 (distr.); McCorquodale, 2010: 469 (distr.); Holt, 2013: 247 (distr., hosts); Webster *et al.*, 2016: 114 (distr., hosts); Webster, 2016: 487; Klingeman *et al.*, 2017: 296 (distr.); DiGirolomo & Dodds, 2017: 409 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 71, pl. 11
- Clytus pubescens* Haldeman, 1847a: 40; LeConte, 1850b: 28; Bland, 1861: 96 (distr.); Evett, 1861: 32 (distr.).
- Xylotrechus pubescens*; Lacordaire, 1869: 79.
- Xylotrechus sagittatus pubescens*; Leng, 1920: 277 (cat.).
- Syntypes locality** - Syntypes male and female: United States, Pennsylvania. (MCZN).
- Xylotrechus cylindrus* Casey, 1912: 364; Leng, 1920: 277 (cat.); Lingafelter *et al.* 2014: 49, fig. 42o (holotype).
- Type locality** - Holotype male: United States, Wisconsin: Bayfield. (USNM).
- Xylotrechus salebrosus* Casey, 1912: 364; Leng, 1920: 277 (cat.); Brimley, 1938: 215 (distr.); Lingafelter, 2014: 313, fig. 148c (holotype).
- Type locality** - Holotype female: United States, New Mexico. (USNM).

19a. *Xylotrechus sagittatus chiricahuae* Chemsak, 1959

- Type locality** - Holotype male: United States, Arizona: Chiricahua Mts., Southwestern Research Station. (CASC). **Distribution** - United States (Arizona), Mexico (Durango, Chiapas). **Host plants** - *Abies* sp., *Pinus leiophylla chihuahuana* (Engelmann) A.E. Murray (Pinaceae).
- Xylotrechus sagittatus chiricahuae* Chemsak, 1959b: 114; Linsley, Knull & Statham, 1961b: 19 (distr.); Linsley, 1964: 108, fig. 33; Ruetter, 1970: 22 (paratype); Hovore & Giesbert, 1976: 357 (hosts); Chemsak, Linsley & Noguera, 1992: 72 (cat.); Monné, M.A., 1993i: 39 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 1997: 454 (hosts); Monné, M.A., 2001a: 45 (cat. hosts); Monné, M.A., 2005: 117 (cat.); Monné, M.A. & Hovore, 2006: 49 (checklist); Noguera & Gutiérrez, 2016: 658 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 467

20. *Xylotrechus schaefferi* Schott, 1925

- Type locality** - Holotype: United States, New Jersey: Lakehurst. (AMNH). **Distribution** - United States (New York, New Jersey, Massachusetts, Connecticut) and Canada (Ontario, Manitoba, Quebec). **Host plants** - *Pinus banksiana* Lambert, *P. rigida* Miller (Pinaceae).
- Xylotrechus schaefferi* Schott, 1925: 244, pl. 11; Hopping, 1932: 540, pl. 5, fig. 2; Linsley, 1964: 117; Hoebeke & Huether, 1990: 445, figs 1-8 (larva, hosts, biol.); Chemsak, Linsley & Noguera, 1992: 72 (cat.); Monné, M.A., 1993i: 39 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Yanega, 1996: 123, pl. 11, fig. 120; Monné, M.A. & Hovore, 2006: 49 (checklist); Lingafelter, 2007: 62, 64, 151, 2 figs, pl. 14, fig. n (hosts); Haack, 2017: 114 (biol.); Bousquet, Laplante, Hammond & Langor, 2017: 71, pl. 11

21. *Xylotrechus undulatus* (Say, 1824)

Syntypes locality - Syntypes male and female: United States, Northwest Territory. (Depository unknown). **Distribution** - Eastern Canada and Great Lakes region to Yukon Territory and central Alaska. **Host plants** - *Abies balsamea* (Linnaeus) Miller, *Larix laricina* (DuRoi) K. Koch, *Picea glauca* (Moench) Voss, *Pinus contorta* Douglas ex Loudon, *P. monticola* Douglas ex D. Don, *P. strobus* Linnaeus, *Pseudotsuga menziesii* (Mirbel) Franco, *Tsuga canadensis* (Linnaeus) Carrière (Pinaceae).

Clytus undulatus Say, 1824: 291; 1828: 119, pl. 53; Laporte & Gory, 1836: 57, pl. 11, fig. 56; Haldeman, 1847a: 41; 1847c: 372; LeConte, 1850a: 234; 1850b: 27; White, 1855: 267; LeConte, 1857: 6, 23 (distr.); 1859d: 48 (distr.); 1859c: 193, pl. 53, fig. 3; Saunders, 1868: 13 (distr.); LeConte, 1869: 371 (distr.).

Clytus (Xylotrechus) undulatus; Chevrolat, 1860: 456.

Xylotrechus undulatus; Lacordaire, 1869: 79; Austin, 1874: 270 (distr.); Horn, 1876: 169 (syn.); Provancher, 1877: 600; LeConte, 1878b: 462 (distr.); Snow, 1881: 70 (distr.); 1883: 42 (distr.); Leng, 1887: 199; 1887: 4; Holland, 1888: 91 (distr.); Packard, 1890: 830, fig. 281 (biol.); Harrington, 1890: 185 (distr.); Hamilton, 1895: 338 (distr.); Evans, 1895b: 173 (distr.); Beutenmuller, 1896: 76 (hosts); Chagnon, 1897: 15 (distr.); Wickham, 1897a: 151; 1897b: 157; Warren, 1899: 296 (distr.); Wickham, 1899c: 7 (distr.). 1899b: 123 (distr.); Smith, 1900: 290 (distr.); Fall, 1901: 147 (distr.); Hopkins, 1904: 37 (biol.); Chagnon, 1905: 36 (distr.); Snow, 1906b: 179 (distr.); Felt, 1906: 671, fig. 198 (distr.); Fall & Cockerell, 1907: 192 (distr.); Adams, 1909: 199 (biol.); Wickham, 1909a: 28 (distr.); Smith, 1910: 329; Blatchley, 1910: 1037; Sherman, 1910: 194 (distr.); Fisher & Kirk, 1912: 311 (distr.); Casey, 1912: 361; Chagnon, 1917: 232 (distr.); Garnett, 1918: 209 (distr., hosts); Britton, 1920: 269 (distr.); Leng, 1920: 277 (cat.); Craighead, 1923: 58; Hatch, 1925: 580 (distr.); Fall, 1926: 202 (distr.); Kirk & Knull, 1926: 40 (distr.); Essig, 1926: 457 (hosts); Hopping, 1932: 566, pl. 5, fig. 12 (hosts); Beaulne, 1932: 202 (hosts); Ingles, 1933: 59; Brown, 1934: 229 (distr.); DeLeon, 1934: 57 (hosts); Mank, 1934: 80 (distr.); Doane *et al.*, 1936: 183; Van Dyke, 1937: 113 (syn.); Bedard, 1938: 193 (hosts); Chagnon, 1938: 264, pl. 17, fig. 11; 1939: 86; Hatch, 1939: 49 (distr.); Chagnon, 1939: 86; Hardy, 1942: 11 (biol.); Knull, 1946: 216; Leech, 1947: 108 (hosts); Hardy, 1948: 33; Tilden, 1950: 46 (distr.); Keen 1952: 107 (hosts); Clark, 1956: 41 (distr.); Gardiner, 1957: 249 (biol.); Dillon & Dillon, 1961: 599, pl. 59, No. 7; Chagnon & Robert, 1962: 264, pl. 17, fig. 11; Linsley, 1964: 123, fig. 39; Ross, 1968: 11 (biol.); Gosling, 1973: 81 (biol., distr.); Kirk & Balsbaugh, 1975: 99 (distr.); Stein & Tigestad, 1976: 50 (distr.); Laliberté, Chantal & LaRochelle, 1977: 100 (biol.); Furniss & Carolin, 1977: 307 (hosts); Gosling, 1984: 73 (hosts); 1986: 158 (hosts); Drouin, 1991: 175 (distr.); Chemsak, Linsley & Noguera, 1992: 72 (cat.); Monné, M.A., 1993i: 40 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Yanega, 1996: 124, pl. 11, fig. 12a-b; Linsley & Chemsak, 1997: 454 (hosts); Heffern, 1998: 24 (distr., hosts); Monné, M.A. & Hovore, 2006: 49 (checklist); Majka, McCorquodale & Smith, 2007: 261 (distr.); Webster, McCorquodale & Majka, 2009: 298 (distr.); McCorquodale, 2010: 469 (distr.); Webster, 2016: 487; Bousquet, Laplante, Hammond & Langor, 2017: 71, pl. 11

Clytus interruptus Laporte & Gory, 1836: 55, pl. 11, fig. 64.

Xylotrechus undulatus var. *interruptus*; Lacordaire, 1869: 79; Leng, 1887: 4; Blatchley, 1910: 1037.

Xylotrechus interruptus; Evans, 1895b: 173 (distr.).

Xylotrechus undulatus form *interruptus*; Wickham, 1897a: 151.

Xylotrechus undulatus var. *interruptus*; Leng, 1920: 277 (cat.); Leonard, 1928: 447 (distr.); Hatch, 1939: 49 (distr.).

Type locality - Holotype female: Amérique du Nord. (OXUM).

Clytus Sayi Laporte & Gory, 1836: 55, pl. 11, fig. 64; LeConte, 1869: 371.

Xylotrechus undulatus var. *Sayi*; Lacordaire, 1869: 79; Leng, 1920: 277 (cat.).

Type locality - Holotype: Amérique Boreale. (MVMA).

Clytus fuscus Kirby, 1837: 176; Haldeman, 1847a: 41; 1847c: 372; Bethune, 1872: 95.

Xylotrechus fuscus; Thomson, 1861: 221; Lacordaire, 1869: 79.

Xylotrechus undulatus form *fuscus*; Wickham, 1897: 151.

Type locality - Holotype: Canada, latitude 54 degrees. (BMNH).

Clytus lunulatus Kirby, 1837: 175; Haldeman, 1847a: 41; Bethune, 1872: 95.

Clytus undulatus var. *lunulatus*; White, 1855: 267.

Xylotrechus lunulatus; Kilman, 1889: 136 (distr.); Evans, 1895b: 173 (distr.).

Xylotrechus undulatus var. *lunulatus*; Leng, 1920: 277 (cat.).

Type locality - Holotype: Canada, latitude 54 degrees. (BMNH).

Clytus undatus Kirby, 1837: 175; Emmons, 1854: 118, pl. 8, fig. 4.

Xylotrechus undulatus var. *undatus*; Leng, 1920: 277 (cat.).

Syntypes localities - Syntypes: Canada, latitude 54 degrees and 65 degrees. (BMNH).

Xylotrechus longitarsis Casey, 1912: 362; Leng, 1920: 277 (cat.); Linsley, 1964: 126; Tyson, 1966: 207; Hatch, 1971: 120; Kirk & Baulsbaugh, 1975: 99 (distr.); Furniss & Carolin, 1977: 307 (hosts); Harling, Snyder & Coletti, 1977: 35 (distr.); Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 36 (cat.); Linsley & Chemsak, 1997: 453 (hosts); Monné, M.A. & Hovore, 2006: 48 (checklist); Costello, Jacobi & Negrón, 2013: 151 (hosts); Lingafelter *et al.*, 2014: 92, 370, fig. 101s (lectotype); Rice, MacRae & Merickel, 2017: 670 (distr.).

Xylotrechus undulatus longitarsis; Casey, 1924: 270.

Xylotrechus columbianus Casey, 1912: 361; Leng, 1920: 277 (cat.); Lingafelter *et al.*, 2014: 43, fig. 44u (holotype).

Type locality - Holotype female: Canada, British Columbia: Aldermere. (USNM).

Xylotrechus montanicus Casey, 1912: 361; Leng, 1920: 277 (cat.); Lingafelter *et al.*, 2014: 101, fig. 1117u (holotype).

Xylotrechus undulatus montanicus; Casey, 1924: 270.

Type locality - Holotype female: United States, Idaho: Coeur d'Alene. (USNM).

Xylotrechus inflaticollis Casey, 1912: 360; Leng, 1920: 277 (cat.); Lingafelter *et al.*, 2014: 80, fig. 87g (holotype).

Type locality - Holotype female: United States, Colorado: Boulder County. (USNM).

Xylotrechus undulatus; Hardy, 1926: 23, pl. 5, fig. 43 (not Say, 1824); Hardy & Preece, 1926: 39 (hosts); 1927b: 66 (hosts); Hopping, 1932: 564, pl. 2, fig. 3.

Xylotrechus (Rusticoclytus) Vives, 1977

Rusticoclytus Vives, 1977: 130; Sama, 2008: 230.

Xylotrechus (Rusticoclytus); Danilevsky, 2012: 144.

Type-species - *Leptura rustica* Linnaeus, 1758 (original designation).

1. *Xylotrechus (Rusticoclytus) annosus annosus* (Say, 1827)

Type locality - Holotype: United States, Missouri. (Depository unknown). **Distribution** - Eastern and central Canada and northeastern United States to Rocky Mts. **Host plants** - *Populus aurea* Tidestrom, *P. tremuloides* Michaux, *Salix nigra* Marshall (Salicaceae).

Clytus annosus Say, 1827: 277, Haldeman, 1847a: 41; LeConte, 1850b: 28; 1859: 334.

Xylotrechus annosus; Provancher, 1877: 331 (distr.); LeConte, 1879: 505 (distr.); Coquillett, 1883: 31 (biol.); Leng, 1887: 199; 1887: 4; Packard, 1890: 557, fig. 187 (biol.); Wickham, 1890: 170 (distr.); Beutenmuller, 1896: 76 (hosts); Wickham, 1897b: 157 (distr.); Fall, 1901: 147 (distr.); Ouellett, 1902: 122 (distr.); Chagnon, 1917: 232 (distr.); Leng, 1920: 277 (cat.); Mason, 1922: 216 (distr.); Schott, 1925: 224 (distr.); Essig, 1926: 457 (biol.); Kirk & Knoll, 1926: 40 (distr.); Pack, 1930: 220 (distr.); Beaulne, 1932: 202 (hosts); Brown, 1934: 229 (distr.); Doane *et al.*, 1936: 284; Knowlton & Thatcher, 1936: 279, fig. 1b (biol.); Brimley, 1938: 215 (distr.); Chagnon, 1938: 264; Hardy, 1942: 11 (hosts); Knowlton & Wood, 1950: 12 (distr.); Brown, 1952: 335; Keen, 1952: 197 (hosts); Clark, 1956: 41 (distr.); Townes & Townes, 1960: 40 (paras.); Linsley, 1964: 114; Furniss & Carolin 1977: 308 (hosts); Laliberté, Chantal & LaRochelle, 1977: 100 (biol.); Chemsak, Linsley & Noguera, 1992: 71 (cat.); McCorquodale, 2010: 469 (distr.);

Xylotrechus annosus annosus; Linsley, 1964: 114, fig. 36; Gosling, 1973: 80, fig. 51 (biol., distr.); Stein & Tagestad, 1976: 48, fig. 21 (distr.); Turnbow & Franklin, 1980: 343 (distr.); Gosling, 1986: 158 (hosts); MacRae, 1993: 234 (distr.); Monné, M.A., 1993i: 33 (cat.); Monné, M.A.,

& Giesbert, 1994: 118 (checklist); Yanega, 1996: 122, pl.11, fig. 124; Linsley & Chemsak, 1997: 452 (hosts); Monné, M.A. & Hovore, 2006: 48 (checklist); Lingafelter, 2007: 63, 88, 151, 2 figs, pl. 15, fig. d (hosts); Webster, 2016: 487; Bousquet, Laplante, Hammond & Langor, 2017: 69, pl.10

Rusticoclytus annosus; Sama, 2008; 231.

1a. *Xylotrechus (Rusticoclytus) annosus emotus* (Brown, 1952)

Type locality - Holotype: Canada, British Columbia: Fernie. (CNCI). **Distribution** - This subspecies ranges from the Nova Scotia peninsula to west-central British Columbia, north to the Hom Plateau in southwestern Northwest Territories, south to northern Illinois and the New England states, central California to Colorado. **Host plants** - *Populus tremuloides* Michaux, *P. trichocarpa* Torrey & A. Gray (Salicaceae).

Xylotrechus annosus emotus Brown, 1952: 335; Linsley, 1964: 116, fig. 36; Ruetter, 1970: 22 (types); Hatch, 1972: 120; Chemsak, Linsley & Noguera, 1992: 71 (cat.); Monné, M.A., 1993i: 34 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Linsley & Chemsak, 1997: 452 (hosts); Heffern 1998: 17 (distr.); Monné, M.A. & Hovore, 2006: 48 (checklist); Rice MacRae & Merickel, 2017: 670 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 70, pl.10

2. *Xylotrechus (Rusticoclytus) nauticus* (Mannerheim, 1843)

Type locality - Type: United States, California. (MZHF). **Distribution** - This species ranges from the southern part of Vancouver Island south to southern California, including the Sierra Nevada, Pacific coast of North America, from Washington to California, Mexico (Baja California). **Host plants** - *Arbutus menziesii* Pursh (Ericaceae) *Lithocarpus densiflora* Rehder, *Quercus agrifolia* Née, *Q. douglasii* Hooker & Arnott, *Quercus kelloggii*, *Q. lobata* Née (Fagaceae), *Juglans californica* S. Watson, *J. regia* Linnaeus (Juglandaceae), *Persea americana* P. Miller (Lauraceae), *Eucalyptus* sp. (Myrtaceae), *Malus* sp., *Pyrus* sp. (Rosaceae), *Salix lasiandra* Benth.

Clytus nauticus Mannerheim, 1843: 305; LeConte, 1851: 104 (syn.); White, 1855: 288; LeConte, 1857: 23 (distr.); 1858a: 41 (distr.); 1859a: 80 (distr.).

Plagithmysus nauticus; Chevrolat, 1860: 457.

Xylotrechus nauticus; Ricksecker, 1885: 97 (biol.); Leng, 1887: 198, 4; Blaisdell, 1892: 34; Coquillett, 1892: 262 (biol.); Xamheu, 1893: 150 (biol.); Beutenmuller, 1896: 76 (hosts); Holland, 1900: 422 (distr.); Fall, 1901: 147 (hosts, distr.); Casey, 1912: 362; Essig, 1915: 254, figs 244-245 (biol.); Garnett, 1918: 210 (distr.); Craighead, 1923: 57 (larva); Criddle, 1925: 98 (distr.); Essig, 1926: 457, figs 359-361 (biol.); Barrett, 1932: 291 (hosts); Hopping, 1932: 535, pl. 2, fig. 7; Beaulne, 1932: 320 (biol.); Davis, 1932: 85 (distr.); Doane *et al.*, 1936: 184, fig. 92 (biol.); Moore, 1937: 90 (distr.); Quayle, 1938: 320 (biol.); Ebeling, 1950: 591 (hosts); Keen, 1952: 197, fig. 94A (hosts); Chemsak, 1958: 41 (hosts); Michelbacher & Ortega, 1958: 61, fig. 63 (biol.); Chemsak, 1963b: 213 (biol.); Linsley, 1964: 110, figs 33, 34; Tyson, 1966: 207 (hosts); Hatch, 1971: 119, pl. 13, fig. 6; Swan & Papp, 1972: 448, fig. 948; Chemsak, Linsley & Noguera, 1992: 72 (cat.); Monné, M.A., 1993i: 37 (cat.); Monné, M.A., & Giesbert, 1994: 118 (checklist); Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 199, 7: 453 (hosts); Monné, M.A., 2001a: 44 (cat. hosts); Monné, M.A., 2005: 117 (cat.); Monné, M.A. & Hovore, 2006: 49 (checklist); Hanks *et al.*, 2007: 889 (pheromone); Swift, 2008a: 289; Vlasák, 2014: 319 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 70, pl.11; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 467; Gimmel *et al.*, 2023: 250 (distr.)

Rusticoclytus nauticus; Sama, 2008: 231.

Clytus gramineus Haldeman, 1847a: 40; LeConte, 1850b: 27.

Xylotrechus gramineus; Lacordaire, 1869: 79; Casey, 1912: 362.

Type locality - Holotype: Oregon. (MCZN).

COMPSOCERINI Thomson, 1864

Compsoceritae Thomson, 1864: 260.
 Compsocérides; Lacordaire, 1869: 30.
 Compsocerinae; Bates, 1870: 391.
 Compsocerini; Aurivillius, 1912: 326 (*pars*); Linsley, 1961a: 631 (mimet.); Monné, M. A., 1993h: 18 (cat.); Monné, M.A., 2005: 117 (cat.); Bousquet *et al.*, 2009: 44; Dalens, Tavakilian & Touroult, 2010: 93 (syn.); Bouchard *et al.*, 2011: 469.
Type-genus: *Compsocerus* Audinet-Serville, 1834.
Type-species: *Compsocerus barbicornis* Audinet-Serville, 1834 (monotypy).
 Rosaliites Fairmaire, 1864: 137, 192 (key).
 Rosaliini; Bousquet *et al.*, 2009: 55; Bouchard *et al.*, 2011: 481.
Type-genus: *Rosalia* Audinet-Serville, 1834.
Type-species: *Cerambyx alpinus* Linnaeus, 1758 (monotypy).

***Rosalia* Audinet-Serville, 1833**

Rosalia Audinet-Serville, 1833: 561; Mulsant, 1839: 35; Laporte, 1840: 432; Blanchard, 1845: 148; Thomson, 1861: 233, 250; 1864: 261, 460; Fairmaire, 1864: 137; Lacordaire, 1869: 33; LeConte, 1873b: 310; Girard, 1873: 723; Ganglbauer, 1882: 689; Lameere, 1887: 159; Gahan, 1906: 176; Reitter, 1912: 35; Casey, 1912: 313; Planet, 1924: 205; Portevin, 1927: 30; Picard, 1929: 98; Bradley, 1930: 230; Testout, 1934: 123; Plavilstshikov, 1934: 128; Gressitt, 1951: 212; Heyrovsky, 1955: 180; Arnett, 1962: 861, 885; Linsley, 1964: 4; Monné, M.A. 1993h: 33; Monné, M.A. & Hovore, 2006: 129 (checklist); Dalens, Tavakilian & Touroult, 2011: 93
Type-species - *Cerambyx alpinus* Linnaeus, 1758 (monotypy).
Charmides Gistel, 1856: 375.

1. *Rosalia funebris* Motschulsky, 1845

Type locality - Holotype: United States, Alaska: Sitka. (ZMUM). **Distribution** - Pacific coast of North America from southern Alaska to southern California and Rocky Mts. south to New Mexico. **Host plants** - *Acer grandidentatum* Nuttall, *A. macrophyllum* Pursh (Aceraceae), *Alnus oblongifolia* Torrey, *A. rhombifolia* Nuttall (Betulaceae), *Quercus* sp. (Fagaceae), *Umbellularia californica* (Hooker & Arnott) Nuttall (Lauraceae), *Fraxinus americana* Linnaeus, *F. dipetala* Hooker & Arnott, *F. oregona* Nuttall (Oleaceae), *Platanus* sp. (Platanaceae), *Salix* sp. (Salicaceae), *Ulmus parvifolia* Jacquin (Ulmaceae).
Rosalia funebris Motschulsky, 1845: 87, pl. 2, fig. 8; White, 1853:14; Melsheimer, 1853: 101 (cat.); Lacordaire, 1869: 34
Rosalia funebris; Mannerheim, 1852: 365; LeConte, 1857: 61, pl. 2, fig. 11; Thomson, 1861: 250; LeConte, 1869: 371; 1873b: 310; LeConte & Horn, 1883: 295; Leng, 1886: 32, pl. 2, fig.3; Fall, 1893: 135 (distr.); Hamilton, 1894c: 31 (distr.); Harrington, 1899: 108 (distr.); Fall, 1901: 145 (distr.); Casey, 1912: 313; Huguenin, 1912: 89 (hosts); Garnett, 1918: 207 (distr., hosts); Van Dyke, 1919: 3 (distr.); Essig, 1926: 455, fig. 257 (biol.); Hardy, 1926: 31, pl. 5, fig. 38; Tanner, 1928: 277 (distr.); Knowlton, 1930: 76 (distr.); Pack, 1930: 220 (distr.); Beaulne, 1932: 201 (hosts); Knowlton & Thatcher, 1936: 279; Doane *et al.*, 1936: 180, fig. 87; Moore, 1937: 90 (distr.); Hardy, 1942: 11 (biol.); Essig, 1943: 91 (biol.); Knowlton & Wood, 1950: 11 (distr.); Keen, 1952: 198 (hosts); Papp, 1955: 218 (distr.); Linsley, Knull & Statham, 1961: 17, fig. 7 (hosts); Linsley, 1964: 5, figs 1, 2 (syn.); Barr & Penrose, 1969: 93 (distr.); Hatch, 1971: 110, pl. 11, fig. 9; Chemsak & Linsley, 1971: 149, 2 figs (biol.); Swan & Papp, 1972: 449, fig. 951; Furniss & Carolin, 1977: 304, fig. 182 (biol.); Chemsak, Linsley & Noguera, 1992: 61 (cat.); Monné, M.A., 1993h: 34 (cat.); Monné, M.A., & Giesbert, 1994: 1102 (checklist); Linsley, 1995: 133; Linsley & Chemsak, 1997: 429 (hosts); Monné, M.A. & Hovore, 2006: 129 (checklist); Swift, 2008a: 3 (distr., hosts); Skiles, 2008: 165; Ray *et al.*, 2009: 96 (pherom.); Vlasák, 2014: 318 9 (hosts); Spomer, 2014: 300 (distr.); Rice, MacRae & Merickel, 2017: 670 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 50, pl. 5.
Rosalia (Rosalia) funebris; Lameere, 1887: 162, pl. 3, fig. 2
Rosalia alpina; LeConte, 1852: 177 (not Linnaeus, 1758).

Rosalia funebris mandibularis Casey, 1912: 313; Lingafelter *et al.*, 2014: 67, 369, fig. 72u (lectotype).

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

Rosalia funebris acomana Casey, 1912: 313; Lingafelter *et al.*, 2014: 67, fig. 72s (holotype).

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

CURIINI LeConte, 1873

Curiini LeConte, 1873b: 304; LeConte & Horn, 1883: 289.

Curiini; Aurivillius, 1912: 127 (cat.); Bradley, 1930: 229, 234; Arnett, 1962: 859, 884; Linsley, 1963: 133; Monné, M.A., 1993f: 6 (cat.); Monné, M.A., 2005: 132 (cat.); Nearn & Branham, 2008: 14 (rev.); Bousquet *et al.*, 2009: 44; Bouchard *et al.*, 2011: 470.

Type-genus: *Curius* Newman, 1840.

Type-species: *Curius dentatus* Newman, 1840 (monotypy).

Curius Newman, 1840

Curius Newman, 1840b: 17; Blanchard, 1845: 171; LeConte, 1850b: 22; Thomson, 1864: 223; 1865: 441; LeConte, 1873a: 189; 1873b: 304; LeConte & Horn, 1883: 289; Leng, 1884: 115; Bradley, 1930: 234; Arnett, 1962: 866, 884; Linsley, 1963: 133; Monné, M.A., 1993f: 6 (cat.); Monné, M.A., 2005: 132 (cat.); Nearn & Ray, 2006: 49; Monné, M.A. & Hovore, 2006: 52 (checklist); Nearn & Branham, 2008: 14 (rev.); Monné, M.A., 2012: 16.

Type-species - *Curius dentatus* Newman, 1840 (monotypy).

1. Curius dentatus Newman, 1840

Type locality - Holotype: United States, Florida: St. John's Bluff. (BMNH). **Distribution** - United States (Alabama, District of Columbia, Maryland, Florida, Georgia, Louisiana, Illinois, Mississippi, North Carolina, Oklahoma, Pennsylvania, Tennessee, Texas, Virginia).

Host plants - *Acer rubrum* Linnaeus (Aceraceae), *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Celtis* sp. (Cannabaceae), *Cupressus* sp., *Juniperus virginiana* Linnaeus (Cupressaceae), *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Carya floridana* Sargent (Juglandaceae), *Pinus* sp. (Pinaceae), *Citrus* sp. (Rutaceae), *Taxodium distichum* (Linnaeus) Richard (Taxodiaceae).

Curius dentatus Newman, 1840b: 17; LeConte, 1850b: 22; White, 1855: 247; Thomson, 1864: 223; Lacordaire, 1869: 352; LeConte, 1873a: 189; 1873b: 304; 1878: 470 (distr.); LeConte & Horn, 1883: 289; Leng, 1885b: 136, pl. 3, fig. 12; Horn, 1885b: 5; Chittenden, 1893: 248 (paras.); 1894: 97 (hosts); Smith, 1900: 288 (distr.); Ulke, 1903: 26 (distr.); Hopkins, 1904: 36 (biol.); Felt, 1906: 702; Smith, 1910: 327; Rohwer, 1921: 439 (paras.); Craighead, 1923: 63, pls 9,15,19,20 (larva); Kirk & Knoll, 1926: 23 (distr.); Engelhardt, 1928: 252 (distr.); Loding, 1933: 148 (distr.); Townes, 1944: 772 (paras.); Loding, 1945: 116 (distr.); Kissinger, 1955: 14 (distr.); Linsley, 1963: 134; Wray, 1967: 46 (distr.); Perry, 1974: 215 (distr.); Turnbow & Franklin, 1980: 342 (distr.); Chemsak, Linsley & Noguera, 1992: 64 (cat.); MacRae, 1993: 231 (distr.); Monné, M.A., 1993f: 6 (cat.); Monné, M.A. & Giesbert, 1993f: 83 (checklist); Yanega, 1996: 50, pl. 12, fig. 135; Linsley & Chemsak, 1997: 361 (hosts); Schiefer, 1998: 116 (distr.); Peck & Thomas, 1998: 118 (distr.); Morris, 2002: 210 (hosts); Nearn *et al.*, 2005: 172, fig. 1a; Nearn & Ray, 2006: 489, 55, fig. 1c; Monné, M.A. & Hovore, 2006: 52 (checklist); Lingafelter, 2007: 73, 145, 2 figs, pl. 17, fig. 7 (hosts); Nearn & Branham, 2008: 15, figs (hosts); Maier, 2009: 438 (distr., hosts); Holt, 2013: 247 (distr., hosts); Steury & MacRae, 2014: 10 (distr.); Klingeman *et al.*, 2017: 296 (distr.).

Plectromerus concinnatus Haldeman, 1847a: 43.

Curius concinnatus; Melsheimer, 1853: 106 (cat.).

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

DRYOBINI Arnett, 1962

Dryobiini Arnett, 1962: 861; Monné, M.A., 1993h: 34 (cat.); Monné, M.A., 2005: 136 (cat.); Bousquet *et al.*, 2009: 45 (*nomen protectum*); Bouchard *et al.*, 2011: 471.

Type-genus: *Dryobius* LeConte, 1850.

Type-species: *Callidium sexfasciatum* Say, 1824 (monotypy).

Dryobiadae Gistel 1856: 368 (*nomen oblitum*). (Coleoptera, Ptinidae).

***Dryobius* LeConte, 1850**

Dryobius LeConte, 1850b: 23; Thomson, 1861: 379; 1864: 220, 439; LeConte, 1873b: 299; LeConte & Horn, 1883: 284; Leng, 1884: 114; Blatchley, 1910: 1021; Bradley, 1930: 231; Linsley, 1932:117; Knull, 1946: 188; Arnett, 1962: 867, 885; Linsley, 1964: 7; Monné, M.A., 1993h: 34; Monné, M.A. & Hovore, 2006: 53 (checklist);

Type-species - *Callidium 6-fasciatum* Say, 1824 (monotypy).

1. *Dryobius sexnotatus* Linsley, 1957

Syntypes locality - Syntypes male and female: United States, Missouri: Missouri River, Loutre Island. (Depository unknown). **Distribution** - Canada, United States (Eastern North America from New York west to Michigan and Oklahoma). **Host plants** - *Acer saccharinum* Linnaeus (Aceraceae), *Fagus ferruginea* Aiton (Fagaceae), *Tilia americana* Linnaeus (Malvaceae), *Ulmus rubra* Mühlenberg (Ulmaceae).

Dryobius 6-fasciatus; LeConte, 1850b: 23; 1851: 104; Riley, 1880: 239 (hosts); Packard, 1881: 131 (hosts); Packard, 1890: 520 (hosts).

Dryobius sexfasciatus; LeConte, 1859c: 20, 48, pl. 1, fig. 15; Thomson, 1864: 220; Walsh & Riley, 1869e: 168 (biol.); LeConte, 1873b: 299; Siewers, 1880: 139 (biol.); LeConte & Horn, 1883: 285; Leng, 1885a: 117; 1885c: 35, pl. 2, fig. 23; Harrington, 1887: 30 (biol.); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 75 (hosts); Harrington, 1897: 73 (hosts); Dury, 1902: 159 (distr.); Felt, 1906: 702 (hosts); Blatchley, 1910: 1021, fig. 432; Kirk & Knull, 1926: 22 (distr.); Ortenburger & Hatch, 1926: 146 (distr.); Leonard, 1928: 434 (distr.); Beaulne, 1932: 198 (hosts); Linsley, 1932: 117 (distr.); Knull, 1946: 188, pl. 8, fig. 32; Alexander, 1958: 46 (distr.); Townes & Townes, 1960: 527 (paras.).

Callidium sexfasciatum; Melsheimer, 1853: 103 (cat.).

Dryobius sexnotatus Linsley, 1957b: 287 (*nom. nov.*); 1964: 7, fig. 2; Gosling, 1973: 76 (distr.); Perry, Surdick & Anderson, 1974: 169, figs 1-5 (biol); Solomon, Doolittle & Spilman, 1976: 290; Arnett, 1985: 364, fig. 24.192; Chemsak, Linsley & Noguera, 1992: 61 (cat.); MacRae, 1993: 232 (distr.); Skillman, 1993: 210 (distr.); Monné, M.A., 1993h: 34 (cat.); Monné, M.A. & Giesbert, 1993f: 103 (checklist); Yanega, 1996: 52, pl. 9, fig. 103; Linsley & Chemsak, 1997: 367 (hosts); Schiefer, 1998: 118 (distr.); Monné, M.A. & Hovore, 2006: 53 (checklist); MacRae & Rice, 2007: 231 (distr., hosts); Lingafelter, 2007: 59, 145, 2 figs, pl. 11, fig. i (hosts); Staines, 2008: 146 (distr.); Holt, 2013: 248 (distr.); Haack, 2017: 118 (biol.); Klingeman *et al.*, 2017: 297 (distr.); Diesel *et al.*, 2017: 739 (pherom).

***Ornithia* Thomson, 1864**

Ornithia Thomson, 1864: 213; Lacordaire, 1869: 117; Bates, 1880: 64; Arnett, 1962: 867, 885; Linsley, 1964: 9; Monné, M.A., 1993h: 35 (cat.); Monné, M.A., 2005: 136 (cat.); Monné, M.A., 2012: 17; Monné, M.A. & Hovore, 2006: 53 (checklist);

Type-species - *Trichophorus chevrolatii* Guérin-Ménéville, 1844 (original designation).

1. *Ornithia mexicana* (Sturm, 1843)

Syntype locality - Syntypes: Mexico. (ZSMC). **Distribution** - United States (southern Texas), Mexico (Jalisco, Veracruz, Chiapas, Tamaulipas, Colima, Oaxaca, Quintana Roo, San Luis Potosí, Yucatán, Morelos), Guatemala (Cayuga, Petén, Corté, Colón Choluteca, Yoro), Honduras, Nicaragua (Chontales, Granada), El Salvador (La Unión, La Libertad, San Salvador), Costa Rica (Alajuela, Guanacaste, San José, Puntarenas), Panama (Canal Zoine, Chiriquí, Ipeti). **Host plants** - *Celtis laevigata* Willdenow (Cannabaceae), *Zea* sp. (Poaceae),

- Coffea arabica* Linnaeus (Rubiaceae). **Host flowers** – *Asclepias* sp. (Asclepiadaceae), *Sapium* sp. (Euphorbiaceae), *Coccoloba* sp. (Polygonaceae).
- Ozodes mexicanus* Sturm, 1843: 354, pl. 4, figs 4, 5.
- Ornithia mexicana*; Gemminger in Gemminger & Harold, 1872: 2950 (cat.); Linsley, 1935a: 92 (distr.); Saalas, 1936: 104, pl. 4, fig. 141 (morphol.); Vogt, 1949: 175 (distr.); Linsley, 1964: 9, fig. 3; Chemsak, Linsley & Mankins, 1980: 31 (distr.); Chemsak, Linsley & Noguera, 1992: 61 (cat.); Monné, M.A., 1993h: 35 (cat.); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 413 (hosts); García Morales *et al.*, 2015: 101 (distr.); Heffern, Nascimento & Santos-Silva, 2018: 75; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 467
- Ornithia mexicana mexicana*; Hovore, Penrose & Neck, 1987: 305; Monné, M.A., 1993f: 35 (cat.); Monné, M.A. & Giesbert, 1993f: 103 (checklist); Maes *et al.*, 1994: 19 (distr., hosts); Maes, 1998: 899 (distr.); Monné, M.A., 2001a: 51 (cat. hosts); Turnbow, Cave & Thomas, 2003: 14 (distr.); Monné, M.A., 2005: 137 (cat.); Hovore, 2006: 373 (distr.); Monné, M.A. & Hovore, 2006: 53 (checklist); Audureau, 2008c: 6 (distr.); Swift *et al.*, 2010: 14 (distr.); Maes *et al.*, 2010: 451, 8 figs (distr.).
- Ornithia mexicana*; Maes & Tellez Robleto, 1988: 6, 71 (hosts, error).
- Trichophorus chevrolatii* Guérin-Méneville, 1844a: 228; White, 1853: 105; Mason, 1910: 24 (distr.).
- Ornithia chevrolatii*; Thomson, 1864: 214; Lacordaire, 1869: 117; Bates, 1872: 190 (distr.); Thomson, 1878a: 16 (type); Bates, 1880: 64; 1885: 311; Pittier & Biolley, 1895: 28 (distr.).
- Type locality** - Mexico. (MNHN).

EBURIINI Blanchard, 1845

- Eburiites Blanchard, 1845: 145, 168.
- Eburiitas Blanchard *in* Gay, 1851: 462.
- Eburitae; Thomson, 1861: 237; 1864: 237.
- Éburiides; Lacordaire, 1868: 290.
- Eburiinae; Bates, 1870: 263.
- Eburiini; Aurivillius, 1912: 78 (cat.); Bradley, 1930: 229; Martins & Napp, 1979: 92 (reval.); Monné, M.A., 1993b: 20 (cat.); Monné, M.A. & Martins, 1992: 263 (key genera); Martins, 1997a: 57 (rev.); 1999: 120 (rev.); Monné, M.A., 2005: 137 (cat.); Bousquet *et al.*, 2009: 46; Bouchard *et al.*, 2011: 471. Monné, M.L. & Botero, 2018: 1 (cladistics)
- Type-genus:** *Eburia* Lacordaire, 1830.
- Type-species:** *Cerambyx quadrimaculata* Linnaeus, 1767 (subsequent designation Hope, 1843: 189).
- Hétéropsides Lacordaire, 1868: 405 [*nomen protectum*].
- Type-genus:** *Heterops* Blanchard, 1842.
- Type-species:** *Purpuricenus loreyi* Duponchel, 1837 designated by Thomson (1864: 203).
- Heteropsinae; Bates, 1870: 410.
- Heteropsini; Aurivillius, 1912: 438 (cat.); Linsley, 1961a: 631 (mimet.); Monné, M.A., 1994a: 20 (cat.); Monné, M.A., 2005: 278 (cat.); Bousquet *et al.*, 2009: 48; Bouchard *et al.*, 2011: 473.

Eburia Lacordaire, 1830

- Eburia* Lacordaire, 1830: 177; Audinet-Serville, 1834b: 8; Laporte, 1840: 243; Blanchard, 1845: 146; LeConte, 1850b: 11; Blanchard *in* Gay, 1851: 462; Strauch, 1861: 129; Thomson, 1861: 237; 1864: 239; 1865: 449; Lacordaire, 1868: 293; Bates, 1870: 364; Chenu, 1870: 311; LeConte, 1873a: 178; 1873b: 302; Bates, 1880: 19; LeConte & Horn, 1883: 287; Leng, 1884: 115; Blatchley, 1910: 1022; Bradley, 1930: 229; Knoll, 1946: 191; Linsley, 1962a: 54; Arnett,

1962: 862, 880; Chemsak & Linsley, 1963a: 213; Gilmour, 1968: 107; Zayas, 1975: 60; Martins & Napp, 1979: 93; Villiers, 1980a: 275; Monné, M.A., 1993b: 21 (cat.); Martins, 1997a: 78 (rev.); 1999: 225 (rev.); Noguera, 2002: 6 (rev., key); Monné, M.A., 2005: 140 (cat.); Monné, M.A. & Hovore, 2006: 53 (checklist); Bousquet, 2007: 619; Monné, M.A., 2012: 17; Touroult, 2012: 72 (key spp Petites Antilles); 2014: 88 (key spp Petites Antilles); Botero, 2015c: 8

Eburia (*Eburia*); Martins, 1997a: 78 (rev.).

Type-species - *Cerambyx quadrimaculata* Linnaeus, 1767 (by subsequent designation Hope, 1843: 189).

Dissacanthus Hope, 1835: 107; Lacordaire, 1868: 295.

Dissacantha; Thomson, 1864: 240 (error).

Type-species - *Cerambyx quadrimaculatus* Linnaeus, 1767 (original designation).

Coeleburia Thomson, 1861: 237; 1864: 240; Martins, 1997a: 78.

Type-species - *Coeleburia semipubescens* Thomson, 1861 (by monotypy).

Drymo Thomson, 1864: 242; Lacordaire, 1868: 292; Martins, 1997a: 78.

Type-species - *Coeleburia pulverea* Chevrolat, 1862 (monotypy).

1. *Eburia cinereopilosa* Fisher, 1932

Type locality - Holotype female: Cuba, Guantánamo. (AMNH). **Distribution** - United States (Florida), Cuba.

Eburia cinereopilosa Fisher, 1932: 13; Gilmour, 1968: 109; Zayas, 1975: 60, pl. 8; fig. a; Turnbow & Hovore, 1979: 219; Frank & McCoy, 1992: 4 (distr.); Chemsak, Linsley & Noguera, 1992: 33 (cat.); Monné, M.A., 1993b: 23 (cat.); Monné, M.A. & Giesbert, 1994: 39 (checklist); Browne & Peck, 1996: 2158, 2160 (distr.); Peck & Thomas, 1998: 117 (distr.); Thomas, 1999: 1, fig. 10; Morris, 2002: 210 (distr.); Peck, 2005: 167 (distr.); Monné, M.A., 2005: 143 (cat.); Monné, M.A. & Hovore, 2006: 52 (checklist); Lingafelter, 2007: 67, 145, 2 figs, pl. 16, fig. a; Devesa, Fonseca & Barro, 2015: 30, 115, 116 figs 1-9.

2. *Eburia distincta* Haldeman, 1847

Syntypes locality - Syntypes: United States, Georgia. (MCZN). **Distribution** - United States (Florida to Mississippi), Bahamas. **Host plants** - *Baccharis halimifolia* Linnaeus (Asteraceae), *Taxodium distichum* (Linnaeus) Richard (Taxodiaceae).

Eburia distincta Haldeman, 1847b: 150; 1847c: 375; LeConte, 1850b: 11; White, 1853: 88; LeConte, 1873a: 179; Leng, 1885b: 29; Sherman, 1946: 127 (distr.); Linsley, 1962a: 61, fig. 21; Turnbow & Franklin, 1980: 341 (distr.); Chemsak, Linsley & Noguera, 1992: 34 (cat.); Browne, Peck & Ivie, 1993: 42 (distr.); Monné, M.A., 1993b: 25 (cat.); Monné, M.A. & Giesbert, 1994: 39 (checklist); Browne & Peck, 1996: 2158, 2160 (distr.); Thomas, 1999: 1, figs 6, 14, 16; Noguera, 2002: 43, fig. 127; Morris, 2002: 210 (hosts); Monné, M.A., 2005: 145 (cat.); Monné, M.A. & Hovore, 2006: 53 (checklist); Lingafelter, 2007: 68, 145, 2 figs, pl. 16, fig. c (hosts); Turnbow & Thomas, 2008: 17 (distr.).

Eburia (*Eburia*) *distincta*; Holt, 2013: 248 (distr.).

3. *Eburia haldemani* LeConte, 1851

Type locality - Holotype: United States, Texas: Fort Gates. (MCZN). **Distribution** - United States (Arizona to Missouri, Tennessee to Florida), northern Mexico (Nuevo León, Tamaulipas). **Host plants** - *Celtis reticulata* Torrey (Cannabaceae), *Juniperus ashei* Buchholz (Cupressaceae), *Morus rubra* Linnaeus (Moraceae), *Populus deltoides* W. Bartram ex Marshall *Salix* sp. (Salicaceae), *Ulmus crassifolia* Nuttall (Ulmaceae).

Eburia haldemani LeConte, 1851: 102; White, 1853: 88; LeConte, 1858a: 40; 1873a: 179; Leng, 1885c: 29; Fall & Cockerell, 1907: 191 (distr.); Linsley & Martin, 1933: 180 (distr.); Vogt, 1949: 141 (distr., hosts); Alexander, 1958: 43 (distr.); Linsley, 1962a: 67, fig. 23; Turnbow & Franklin, 1980: 341 (distr.); MacKay, Zac & Hovore, 1987: 363 (hosts); Hovore, Penrose & Neck, 1987: 269 (hosts); Lingafelter, 1991: 119; Chemsak, Linsley & Noguera, 1992: 34 (cat.); MacRae, 1993: 228 (distr.); Lingafelter & Horner, 1993: 166 (distr.); Monné, M.A., 1993b: 26 (cat.); Monné, M.A. & Giesbert, 1994: 39 (checklist); Noguera & Chemsak, 1996:

397 (cat.); Yanega, 1996: 46, pl. 13, fig. 147; Linsley & Chemsak, 1997: 367 (hosts); Peck & Thomas, 1998: 117 (distr.); Thomas, 1999: 1, figs 5, 8, 13, 15; Monné, M.A., 2001a: 52 (cat. hosts); Noguera, 2002: 54, fig. 133; Szafranski, 2002: 6 (hosts); Monné, M. A., 2005: 146 (cat.); Monné, M.A. & Hovore, 2006: 54 (checklist); Lingafelter, 2007: 68, 145. 2 figs, pl. 16, fig. f (hosts); MacRae & Rice, 2007: 232 (hosts); García Morales *et al.*, 2015: 101 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 467

4. *Eburia linsleyi* Lacey, 1949

Type locality - Holotype male: United States, Arizona: Oak Creek Canyon. (AMNH).

Distribution - United States (Arizona, New Mexico), Mexico (Chihuahua, Sonora). **Host plants** - *Quercus turbinella* Greene (Fagaceae).

Eburia linsleyi Lacey, 1949: 1, Linsley, Knull & Statham, 1961b: 11 (distr., biol.); Linsley, 1962a: 59; Lewis, 1979: 23; Cope, 1984a: 29 (hosts); Chemsak, Linsley & Noguera, 1992: 34 (cat.); Linsley & Chemsak, 1997: 367; Noguera, 2002: 69, fig. 142; Szafranski, 2002: 66 (distr.); Monné, M.A., 1993b: 27 (cat.); Monné, M.A. & Giesbert, 1994: 39 (checklist); Monné, M.A., 2005: 147 (cat.); Monné, M.A. & Hovore, 2006: 55 (checklist); Noguera *et al.*, 2009: 87 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 467

5. *Eburia mutica* LeConte, 1853

Syntype locality - Syntypes: United States, Texas: New Braunfels. (MCZN). **Distribution** - United States (Texas), northern Mexico (Nuevo León, Tamaulipas, San Luis Potosí, Hidalgo, Veracruz, Morelos). **Host plants** - *Acer negundo* Linnaeus (Aceraceae), *Parkinsonia aculeata* Linnaeus (Caesalpiniaceae), *Celtis laevigata* Willdenow, *C. lindheimeri* Engelman, *C. pallida* Torrey (Cannabaceae), *Sesbania drummondii* (Rydberg) Cory, *Sophora secundiflora* (Ortega) de Candolle (Fabaceae), *Quercus arizonica* Sargent (Fagaceae), *Havardia* sp., *Leucaena pulverulenta* (Schlechtendal) Benth, *Pithecellobium flexicaule* (Benth) Coulter, *P. pallens* (Benth) Standley, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Citrus paradisi* Macfayden, *Zanthoxylum clava-herculis* Linnaeus (Rutaceae), *Ulmus crassifolia* Nuttall (Ulmaceae).

Eburia mutica LeConte, 1853: 233; 1858a: 40 (distr.); 1873a: 179; Bates, 1880: 22 (distr.); Leng, 1885c: 29; Townsend, 1903: 76 (distr.); Schaeffer, 1908: 327 (distr.); Vogt, 1949: 141 (distr., hosts), Dean, 1953: 174 (biol.); Linsley, 1962a: 65; Manley & French, 1976: 47, fig. 1; Turnbow & Wappes, 1978: 368 (hosts); Hovore, Penrose & Giesbert, 1978: 96 (hosts); Hovore & Penrose, 1982: 24 (biol.); Rice, 1985a: 1224 (hosts); Hovore, Penrose & Neck, 1987: 296 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 34 (cat.); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 367 (hosts); Monné, M.A., 1993b: 28 (cat.); Monné, M.A. & Giesbert, 1994: 40 (checklist); Monné, M.A., 2001a: 52 (cat. hosts); Noguera, 2002: 76, fig. 147; Szafranski, 2002: 66 (distr., hosts); Monné, M.A., 2005: 148 (cat.); Monné, M.A. & Hovore, 2006: 55 (checklist); MacRae & Rice, 2007: 232 (hosts); García Morales *et al.*, 2015: 101 (distr.); Heffern, Vlasák & Alten, 2018: 742 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 467

Eburia manca LeConte, 1858a: 24; 1873a: 179; Leng, 1885c: 29.

Eburia mutica var. *manca*; Schaeffer, 1908: 332; Linsley & Martin, 1933: 180 (distr.).

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

Eburia tumida LeConte, 1873a: 181; Lameere, 1883: 17 (cat.); Leng, 1885c: 29; Townsend, 1903: 76 (distr.).

Syntype locality - Syntypes: United States, Texas. (MCZN).

6. *Eburia ovicollis* LeConte, 1873

Syntypes locality - Syntypes: United States, Texas. (MCZN). **Distribution** - United States (southern Texas), northern Mexico (Tamaulipas, San Luis Potosí). **Host plants** - *Pithecellobium flexicaule* (Benth) Coulter, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Eburia ovicollis LeConte, 1873a: 180; Bates, 1880: 22 (distr.); Leng, 1885c: 29; Wickham, 1898b: 41 (distr.); Townsend, 1903: 76 (distr.); Schaeffer, 1908: 327 (distr.); Linsley, 1962a: 63; Hovore & Giesbert, 1976: 351 (hosts); Hovore, Penrose & Neck, 1987: 296 (hosts); Chemsak, Linsley & Noguera, 1992: 34 (cat.); Monné, M.A., 1993b: 29 (cat.); Monné, M.A. & Giesbert, 1994: 40 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 368 (hosts); Monné, M.A., 2001a: 53 (cat. hosts); Noguera, 2002: 83, fig. 150; Monné, M.A., 2005: 149 (cat.); Monné, M.A. & Hovore, 2006: 55 (checklist); García Morales *et al.*, 2015: 102 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 467

Pantomallus ovicollis; Lameere, 1883: 17 (cat.); Linsley & Martin, 1933: 180 (distr.); Vogt, 1949: 140 (distr.).

Eburia quadricollis Casey, 1924: 259; Lingafelter *et al.*, 2014: 307, figs 141e, f (holotype).

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

Eburia densa Casey, 1924: 259; Lingafelter *et al.*, 2014: 52, figs 54u, v (lect. designation).

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

7. *Eburia quadrigeminata* (Say, 1827)

Syntypes locality - Syntypes: United States. (Depository unknown). **Distribution** – Canada, United States (Atlantic Coast and southern Canada to Florida, Kansas & Texas). It is known in Canada only from the Carolinian forest in southern Ontario. Introduced in Cuba, Argentina (Buenos Aires) and northern Africa. **Host plants** - *Acer* sp. (Aceraceae),

Betula lenta Linnaeus (Betulaceae), *Gleditschia triacanthos* Linnaeus (Caesalpiaceae), *Cupressus* sp. (Cupressaceae), *Robinia* sp. (Fabaceae), *Castanea* sp., *Fagus ferruginea* Aiton, *Quercus alba*, *Q. rubra* (Fagaceae), *Carya glabra* (Miller) Sweet, *Hicoria* sp. (Juglandaceae), *Fraxinus americana* Linnaeus (Oleaceae), *Prunus* sp. (Rosaceae), *Ulmus* sp. (Ulmaceae).

Stenocorus quadrigeminatus Say, 1827: 275.

Eburia quadrigeminata; Haldeman, 1847a: 32; White, 1853: 88; LeConte, 1859c: 48; Bland, 1861: 94 (distr.); LeConte, 1873a: 179; Popenoe, 1877: 33 (distr.); Pettit, 1871: 105 (distr.); Westcott, 1879: 140 (distr.); Packard, 1881: 84 (biol.); Harrington, 1884: 46 (hosts); McNeill, 1886: 1055 (biol.); Packard, 1890: 293, 541, 654 (biol.); Gundlach, 1892: 232; Hopkins, 1893: 193 (biol.); Hamilton, 1895: 338 (distr.); Gahan, 1895: 93; Wickham, 1897a: 109; Webster, 1899: 339 (biol.); Dury, 1902: 159 (distr.); Ulke, 1903: 25, 50 (distr.); Melander, 1904: 20; Hopkins, 1904: 38 (biol.); Wickham, 1909a: 28; Blatchley, 1910: 1022, fig. 434; Fisher & Kirk, 1912: 310 (distr.); Slosson, 1912: 172 (distr.); Leng & Mutchler, 1914: 445 (distr.); Dozier, 1918: 334 (distr.); Jaques, 1918: 175 (biol.); Craighead, 1923: 66 (larva); Champlain, Kirk & Knull, 1925: 105 (hosts); Balachowsky, 1925: 107 (distr.); Kirk & Knull, 1926: 22 (distr.); Watson, 1927: 40 (biol.); Leonard, 1928: 435 (distr.); Ware, 1929: 368 (distr.); Frost & Dietrich, 1929: 436 (distr.); Beaulne, 1932: 198 (host.); Goldman, 1933: 87, pl. 5, figs 1-4 (morphol.); Davis, 1934: 200 (hosts); Herrick, 1935: 377 (hosts); Cooper, 1935: 152 (distr.); Doane *et al.*, 1936: 169; Arrow, 1936: 229 (biol.); Cann, 1937: 55, pl. 2 (biol.); Brimley, 1938: 210 (distr.); Van Emden, 1939: 271 (larva); Bosq, 1943a: 29 (distr.); Loding, 1945: 114 (distr.); Knull, 1946: 191, pl. 9, fig. 35; Fattig, 1947: 8; Blair, 1948: 123, pl. D, fig. 7; Duffy, 1949: 20 (biol.); Craighead, 1950: 245 (biol.); Hickin, 1951: 32 (biol.); Duffy, 1953: 178, 198, fig. 77 (larva); Papp, 1955: 217; Linsley, 1958: 112; Alexander, 1958: 46 (distr.); Hunter, 1959: 261; Duffy, 1960: 119 (hosts); Dillon & Dillon, 1961: 585, pl. 59, No. 2; Linsley, 1962: 66, figs 2, 3; Rizkallah & Hafez, 1970: 107 (distr.); Swan & Papp, 1972: 446, fig. 942; Baker, 1972: 192 (biol.); Gosling, 1973: 70, fig. 13 (biol., distr.); Zayas, 1975: 71 (exclusion); Solomon, Doolittle & Spilman, 1976: 290; Turnbow & Franklin, 1980: 341 (distr.); Waters & Hyche, 1984: 285 (distr.); Arnett, 1985: 362; Hilburn & Gordon, 1989: 677 (distr.); Chemsak, Linsley & Noguera, 1992: 35 (cart.); Monné, M.A., 1993b: 31 (cat.); Monné, M.A. & Giesbert, 1994: 40 (checklist); MacRae, 1993: 229 (distr.); Lingafelter & Horner, 1993: 266 (distr.); Yanega, 1996: 46, pl. 13, fig. 146; Browne & Peck, 1996: 2158 (distr.); Linsley & Chemsak, 1997: 368 (hosts); Schiefer, 1998: 116 (distr.); Peck & Thomas, 1998: 117 (distr.); Thomas, 1999: 1, 3, figs 4, 7, 18 (hosts); Noguera, 2002: 13, 99, figs 98,

159; Di Iorio, 2004d: 668 (distr.); Monné, M.A. & Hovore, 2006: 55 (checklist); Lingafelter, 2007: 68, 146, 2 figs, pl. 16, fig.e (hosts); Staines, 2008: 146 (distr.); Guarnieri, 2009: 16 (distr.); Holt, 2013: 248 (distr.); Steury & MacRae, 2014: 10 (distr.); Haack in Wang, 2017: w/page fig. 11.5 (biol., hosts); Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 41, pl. 2.

Eburia 4-geminata; LeConte, 1850b: 11; Chevrolat, 1862a: 265; Thomson, 1864: 240; Riley, 1880: 239 (hosts); Leng, 1885c: 29, pl. 3, fig. 2; Beutenmuller, 1896: 75 (hosts); Smith, 1900: 287 (distr.); Smith, 1910: 326; Leng, 1911: 215 (distr.); Troop, 1915: 281 (biol.); Nicolay, 1919: 65 (distr.).

Stenocorus quadrigeminatus; LeConte. 1859: 333.

8. *Eburia stigma* (Olivier, 1795)

Type locality - Holotype female: Cuba. (BMNH). **Distribution** - United States (Florida), Mexico (Oaxaca, Yucatán, Quintana Roo), Guatemala, Honduras, Nicaragua (Chontales), Costa Rica (Guanacaste), Cuba, Hispaniola, Bahamas. Turk & Caicos. **Host plants** - *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae), *Lysiloma latisiliqua* (Linnaeus) Bentham (Mimosaceae), *Pinus caribaea* Morelet, *P. elliotti* var. *densa* Little & Dorman (Pinaceae), *Citrus* sp. (Rutaceae), *Sideroxylon foetidissimum* Jacquin (Sapotaceae), *Avicennia germinans* (Linnaeus) Stearn (Verbenaceae).

Cerambyx stigma Olivier, 1795: (67) 126, pl. 23, fig. 180.

Stenochorus stigma; Schoenherr, 1817: 409.

Eburia stigma; Audinet-Serville, 1834b: 10; LeConte, 1851: 106; Jacquelin DuVal in Sagra, 1857: 265; Bates, 1872: 174 (distr.); LeConte, 1873a: 179; Bates, 1880: 20 (distr.); Leng, 1885c: 29; Horn, 1886a: 138; Gahan, 1895: 96; Leng & Mutchler, 1914: 445 (distr.); Dozier, 1918: 334 (distr.); Blatchley, 1928: 70; Bruner, Scaramuzza & Otero, 1945: 49 (hosts); Cazier & Lacey, 1952: 12 (distr.); Linsley, 1962a: 60; Gilmour, 1968: 110; Zayas, 1975: 73; Thomas, 1977: 83, 1 fig. (hosts); Chemsak, Linsley & Noguera, 1992: 35 (cat.); Browne, Peck & Ivie, 1993: 42 (distr., hosts); Monné, M.A., 1993b: 34 (cat.); Monné, M.A. & Giesbert, 1994: 41 (checklist); Maes *et al.*, 1994: 12 (distr.); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 368 (hosts); Maes, 1998: 889 (distr.); Thomas, 1999: 1, figs 2, 9, 11, 17; Monné, M.A., 2001a: 53 (cat. hosts); Noguera, 2002: 109, fig. 164; Morris, 2002: 210 (hosts); Turnbow, Cave & Thomas, 2003: 7 (distr.); Lozada Piña, Fernández García & Trujillo Anaya, 2004: 106 (distr.); Monné, M.A., 2005: 153 (cat.); Peck, 2005: 168 (distr.); Hovore, 2006: 371 (distr.); Monné, M.A. & Hovore, 2006: 55 (checklist); Audureau, 2008: 6 (distr.); Perez-Gelabert, 2008: 118 (distr.); Turnbow & Thomas, 2008: 17 (distr.); Fernández García, Favila Castillo & López Iborra 2009: 322 (distr.); Swift *et al.*, 2010: 15 (distr.); Maes *et al.*, 2010: 111, 10 figs (distr.); Noguera *et al.*, 2012: 620 (distr.); Devesa, Fonseca & Barro, 2015: 30, 114, 144, figs 1-12; Noguera *et al.*, 2017: 5 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 467

Dissacantha stigma; Thomson, 1864: 240.

Eburia duvalii Chevrolat, 1862a: 266.

Syntypes locality - Syntypes: Cuba. (BMNH).

Eburia (Eleutho) Thomson, 1864

Eleutho Thomson, 1864: 242; Martins, 1997a: 68.

Eburia (Eleutho); Vitali, 2007: 44; Monné, M.A., 2012: 17; Botero, 2015: 9.

Type-species - *Eburia consobrina* Jacquelin DuVal, 1857 (original designation).

1. *Eburia (Eleutho) stroheckeri* Knull, 1949

Type locality - Holotype male: United States, Florida: Matheson Hammock, Dade County. (FMNH). **Distribution** - United States (Florida).

Eburia stroheckeri Knull, 1949: 104, pl. 1, fig. 1; Linsley, 1962: 62, fig. 20; Chemsak, Linsley & Noguera, 1992: 35 (cat.); Monné, M.A., 1993b: 34 (cat.); Monné, M.A. & Giesbert, 1994: 41 (checklist); Browne & Peck, 1996: 2158, 2160 (distr.); Peck & Thomas, 1998: 117

(distr.); Thomas, 1999: 1, 3, figs 3, 12, 19 (distr.); Noguera, 2002: 14, 114, figs. 104, 166; Monné, M.A. & Hovore, 2006: 55 (checklist); Lingafelter, 2007: 68, 146, 2 figs, pl. 16, fig. d.

Eburia (Eleutho) stroheckeri; Botero 2015: 9, figs 2 B,C.

***Heterops* Blanchard, 1842**

Heterops Blanchard, 1842: 51; Thomson, 1865: 431; Lacordaire, 1869: 127; Cazier & Lacey, 1952: 42 (key spp.); Zayas, 1975: 153; Monné, M.A., 1993b: 35 (cat.) Monné, M.A., 2005: 293 (cat.); Monné, M.A. & Hovore, 2006: 84 (checklist); Monné, M.A., 2012: 30.

Type-species - *Purpuricenus loreyi* Duponchel, 1837 (original designation).

1. *Heterops dimidiatus* (Chevrolat, 1838)

Syntypes locality - Syntypes: Cuba, Cienfuegos. (BMNH). **Distribution** - United States (Florida), Bahamas, Cuba.

Eburia dimidiata Chevrolat, 1838b: 283; Jacquelin DuVal *in* Sagra, 1857: 264.

Heterops dimidiatus; Blanchard, 1842: 51; White, 1853: 97; Chevrolat, 1862a: 264; Gahan, 1895: 118; Leng & Mutchler, 1914: 447 (distr.); Darlington, 1938: 690, pl. 1, fig. 8 (mimet.); Cazier & Lacey, 1952: 42, 45 (distr.); Zayas, 1975: 154; Hovore, Penrose & Giesbert, 1978: 96 (distr.); Chemsak, Linsley & Noguera, 1992: 76 (cat.); Frank & McCoy, 1992: 4 (distr.); Browne, Peck & Ivie, 1993: 48 (distr.); Monné, M.A., 1993b: 35 (cat.); Monné, M.A. & Giesbert, 1994: 129 (checklist); Peck, 2005: 173 (distr.); Browne & Peck, 1996: 2159; Peck & Thomas, 1998: 120 (distr.); Monné, M.A., 2005: 293 (cat.); Monné, M.A. & Hovore, 2006: 84 (checklist); Lingafelter, 2007: 75, 147, 2 figs, pl. 15g (distr.); Thomas & Turnbow, 2007: 584 (distr.); Turnbow & Thomas, 2008: 19 (distr.); Devesa, Fonseca & Barro, 2015: 33, 311, 312, figs 1-11 (syn.).

Eburia subangulata Chevrolat, 1838b: 283.

Heterops subangulatus; Thomson, 1878a: 18 (type).

Syntypes locality - Syntypes: Cuba, Cienfuegos. (MNHN).

Heterops bipartitus Lacordaire, 1869: 128; Gahan, 1895: 118; Leng & Mutchler, 1914: 447 (distr.); Chemsak, Linsley & Noguera, 1992: 76 (cat.); Monné, M.A., 2005: 293 (cat.).

Syntypes locality - Syntypes: Cuba (MNHN).

***Susuacanga* Martins, 1997**

Susuacanga Martins, 1997a: 60; 1999: 134 (rev.); Monné, M.A., 2005: 171 (cat.); Monné, M.A., 2012: 18; Botero, 2014: 519 (rev.); 2015c: 11.

Type-species - *Cerambyx octoguttatus* Germar, 1821 (original designation).

1. *Susuacanga falli* (Linsley, 1940)

Type locality - Holotype male: United States, California: Colorado River. (MCZN).

Distribution - United States (Arizona, southern California), Mexico (Baja California, Sonora, Sinaloa). **Host plants** - *Cercidium* sp. (Caesalpiniaceae).

Eburia falli Linsley, 1940a: 257; 1962a: 57, fig. 19; Hovore & Giesbert, 1976: 351 (hosts); Chemsak, Linsley & Noguera, 1992: 34 (cat.); Monné, M.A., 1993b: 25 (cat.); Monné, M.A. & Giesbert, 1994: 39 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 367 (hosts); Monné, M.A., 2001a: 52 (cat. hosts); Noguera, 2002: 46, fig. 129; Monné, M.A., 2005: 145 (cat.); Monné, M.A. & Hovore, 2006: 53 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 468

Eburia semipubescens; Fall, 1909: 163 (not Thomson, 1861).

Susuacanga falli; Tavakilian, 2013: 109; Botero, 2014: 520, fig. 7.

2. *Susuacanga stigmatica* (Chevrolat, 1834)

Syntypes locality - Syntypes: Mexico, Hidalgo: Zimapán. (BMNH). **Distribution** - United States (Texas, Arizona), Mexico (Nuevo León, Tamaulipas, Nayarit, Jalisco, Colima, Hidalgo, Veracruz, Puebla, Oaxaca, Campeche, Yucatán, Quintana Roo). **Host plants** -

Celtis laevigata var. *texana* (Scheele) Sargent (Cannabaceae), *Acacia* sp., *Pithecellobium flexicaule* (Bentham) Coulter (Mimosaceae), *Salix* sp. (Salicaceae).

Eburia stigmatica Chevrolat, 1834: fasc. 3, N° 60; Bates, 1880: 19; 1884: 244 (syn.); Leng, 1885c: 29; Townsend, 1903: 76 (distr.); Schaeffer, 1908: 327; Linsley & Martin, 1933: 180 (distr.); Linsley, 1934c: 108; 1942: 86; Vogt, 1949: 141 (distr., hosts); Linsley, 1962a: 58, fig. 21; Hovore, Penrose & Giesbert, 1978: 96 (hosts); Hovore, Penrose & Neck, 1987: 296 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 35 (cat.); Monné, M.A., 1993b: 34 (cat.); Monné, M.A. & Giesbert, 1994: 41 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 368 (hosts); Monné, M.A., 2001a: 54 (cat.); Noguera, 2002: 111, fig. 165; Szafranski, 2002: 66 (distr.); Monné, M.A., 2005: 153 (cat.); Noguera *et al.*, 2012: 620 (distr.); García Morales *et al.*, 2015: 102 (distr.).

Coeleburia stigmatica; Thomson, 1861: 238; 1864: 240.

Susuacanga stigmatica; Tavakilian, 2013: 109; Botero, 2014: 524, fig. 14; Garcia Ochaeta, Aguilar Julio & Taboada-Verona, 2016: 134, fig. 2 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 468

Eburia perforata LeConte, 1873a: 180; Bates, 1880: 19 (distr.); Lameere, 1883: 17 (cat.).

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

3. *Susuacanga ulkei* (Bland, 1862)

Type locality - Lectotype male: Mexico, Baja California: Cabo San Lucas. (MCZN).

Distribution - United States (southern Arizona), Mexico (Baja California, Sonora, Sinaloa, Durango, Nayarit). **Host plants** - *Quercus* sp. (Fagaceae).

Eburia ? ulkei Bland, 1862: 270, fig. 1; Packard, 1872: 495, fig. 481.

Eburia ulkei; LeConte, 1873a: 179; Horn, 1880b: xi; Bates, 1884: 244; Leng, 1885c: 28; Horn, 1894: 338 (distr.); Grossbeck, 1912: 325 (distr.); Linsley, 1942: 34; Linsley, 1962a: 57, fig. 21; Chemsak & Linsley, 1970a: 307, fig. 1 (biol.); Chemsak, Linsley & Noguera, 1992: 35 (cat.); Monné, M.A., 1993b: 35 (cat.); Monné, M.A. & Giesbert, 1994: 41 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Noguera, 2002: 120, fig. 170; Monné, M.A., 2005: 154 (cat.); Monné, M.A. & Hovore, 2006: 55 (checklist); Noguera *et al.*, 2009: 87 (distr.).

Susuacanga ulkei; Tavakilian, 2013: 109; Botero, 2014: 525, fig. 15; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 468

ELAPHIDIINI Thomson, 1864

Elaphidionitae Thomson, 1864: 235.

Elaphidionini; Bradley, 1930: 229, 232; Arnett, 1962: 859, 882; Linsley, 1963: 1; Hatch, 1971: 99; Villiers, 1980b: 281; Monné, M.A., 1993d: 1 (cat.); Martins, 2005: 2 (rev.).

Elaphidiini; Ivie, 1985: 303; Lingafelter, 1998: 7 (rev.); Monné, M.A., 2005: 180 (cat.); Bousquet *et al.*, 2009: 46; Bouchard *et al.*, 2011: 471.

Type-genus: *Elaphidion* Audinet-Serville, 1834

Type-species: *Cerambyx spinicornis* Drury, 1773 designated by Newman (1840: 6).

Sphérionides Lacordaire, 1868: 204 (key), 312.

Sphaeriinae; Bates, 1870: 271.

Sphaerionini; Aurivillius, 1912: 96 (cat.); Bradley, 1930: 229, 233; Linsley, 1936a: 461; Knull, 1946: 187; Duffy, 1960: 129.

Type-genus: *Sphaerion* Audinet-Serville, 1834.

Type-species: *Elaphidion cyanipennis* Audinet-Serville, 1834 (monotypy).

Stenosphenini LeConte, 1873b: 292 (key), 316 ; LeConte & Horn, 1883: 301; Blatchley, 1910: 1031.

Type-genus: *Stenosphenus* Haldeman, 1847.

Type-species: *Callidium notatum* Olivier, 1795 (monotypy).

***Aneflomorpha* Casey, 1912**

Aneflomorpha Casey, 1912: 291, 293; 1924: 242; Bradley, 1930: 233; Linsley, 1936a: 472; Knull, 1946: 197; Linsley, 1961b: 181; 1963: 40; Arnett, 1962: 863, 883; Hatch, 1971: 107; Monné, M.A., 1993d: 27 (cat.) Lingafelter, 1998: 50 (rev.); Chemsak & Noguera, 2005: 31 (key spp.); Monné, M.A., 2005: 183 (cat.); Monné, M.A. & Hovore, 2006: 61 (checklist); Monné, M.A., 2012: 20; Lingafelter, 2022: 5 (rev., pictorial key)

Type-species - *Elaphidion subpubescens* LeConte, 1862 (original designation).

Anepsyra Casey, 1912: 291, 293; Bradley, 1930: 232; Linsley, 1936a: 476; 1961b: 182; Zayas, 1975: 110.

Type-species - *Elaphidion tenue* LeConte, 1854 (original designation).

1. *Aneflomorpha aculeata* (LeConte, 1873)

Type locality - Holotype male: United States, Texas. (MCZN). **Distribution** - United States (Central Texas), Mexico (Coahuila)

Elaphidion (Elaphidion) aculeatum LeConte, 1873a: 184.

Hypermallus aculeatus; Lameere, 1883: 14 (cat.).

Elaphidion aculeatum; Leng, 1885c: 32; Smith, 1900: 288 (distr.); Leng, 1910: 77 (distr.); Smith, 1910: 326 (distr.).

Aneflomorpha aculeata; Casey, 1912: 293; Linsley, 1963: 44; Turnbow & Franklin, 1980: 347 (deletion); Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., 1993d: 27 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Lingafelter & Horner, 1993: 170 (distr.); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter, 2022: 27, figs 1a, 5a, 7a, 8a, 9a, 10a, 16a

Anepsyra aculeatum; Linsley, 1936a: 477.

2. *Aneflomorpha cazieri* Chemsak, 1962

Type locality - Holotype male: United States, Arizona: 5 miles West of Portal (Southwestern Research Station of the AMNH), Cochise County, Chiricahua Mts. (CASC). **Distribution** - United States (Arizona and New Mexico), Mexico (Sonora) **Host plants** - *Quercus* sp. (Fagaceae).

Aneflomorpha cazieri Chemsak, 1962b: 107; Linsley, 1963: 46; Ruetter, 1970: 18 (paratypes); Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., 1993d: 28 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Linsley & Chemsak, 1997: 341 (hosts); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter, 2022: 28, figs. 1c, 5c, 7c, 8b, 9b, 10c

3. *Aneflomorpha crypta* Lingafelter 2022

Type locality - Holotype male: United States, Arizona: Cochise Co., Hereford, 8920 S. Bryerly Ct., N 31°24'14", W 110°13'52", (USNM). **Distribution** - United States (Arizona). **Host plants** - *Quercus laevis* Walter *Q. chapmanii* Sarg., *Q. geminata*, *Q. inopinata*, *Q. myrtifolia* (Fagaceae)

Aneflomorpha crypta Lingafelter 2022:13, figs 1e, 5e, 7e, 8d, 9d, 10e, 12a,b

4. *Aneflomorpha delongi* (Champlain & Knull, 1922)

Type locality - Holotype male: United States, Florida: Dade County, Miami. (FMNH). **Distribution** - United States (Florida). **Host plants** - *Quercus laevis* Walter *Q. chapmanii* Sarg., *Q. geminata*, *Q. inopinata*, *Q. myrtifolia* (Fagaceae)

Elaphidion (Anepsyra) delongi Champlain & Knull, 1922: 147; Chemsak, 1977a: 174 (types)

Aneflomorpha delongi; Linsley, 1963: 43; Lampert, 1977: 82 (distr.); Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., 1993d: 28 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Browne & Peck, 1996: 2158 (distr.); Peck & Thomas, 1998: 118 (distr.); Morris, 2002: 209 (distr., hosts); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter, 2007: 50, 144, 2 figs, pl. 12, fig. k (hosts); Lingafelter, 2022: 30, figs. 1f, 5f, 7f, 8e, 9e, 10f

5. *Aneflomorpha fisheri* Linsley, 1936

Type locality - Holotype male: United States, Texas: Alpine, Glen Ranch. (CASC).
Distribution - United States (Texas), Mexico (Tamaulipas). **Host plants** - *Cercocarpus montanus* Rafinesque (Rosaceae)

Aneflomorpha fisheri Linsley, 1936a: 475, pl.1, fig.7; 1963: 47; Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., 1993d: 28 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter, 2022: 32, figs. 1g, 5g, 7g, 8f, 9f, 10g; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 468;

6. *Aneflomorpha gilana* Casey, 1924

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

Aneflomorpha gilana Casey, 1924: 243; Linsley, 1963: 55; Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., 1993d: 28 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter *et al.*, 2014: 69, fig. 74w (holotype); Lingafelter. 2022: 32, figs 1h, 2f, 5h, 6n, 7h, n, 8g, x, 9g, 10h, n, 11b, 1

Aneflomorpha parkeri Knull, 1934c: 334; Linsley, 1936a: 474; Gerhardt, 1961: 134; Linsley, 1963: 54; Chemsak, 1977a: 173 (types); Lewis, 1979: 23 (distr.); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A., 1993d: 30 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Monné, M.A. & Hovore, 2006: 61 (checklist);

Type locality - Holotype: United States, Arizona: Pinal Mountains. (FMNH).

7. *Aneflomorpha linearis* (LeConte, 1859)

Type locality - Holotype: United States, California: Tejon. (MCZN). **Distribution** - United States (Oregon, California, Nevada, Utah), Mexico (Baja California Norte). **Host plants** - *Rhus aromatica* Aitchson (Anacardiaceae), *Quercus agrifolia* Née, *Q. arizonica* Sargent, *Q. dumosa* Nuttall, *Q. emoryi* Torrey (Fagaceae), *Ceanothus integerrimus* Hook. & Arn. (Rhamnaceae), *Adenostoma fasciculatum* Hooker & Arnott, *Purshia tridentata* de Candolle (Rosaceae).

Elaphidion lineare LeConte, 1859b: 80.

Hypermallus linearis; Gemminger & Harold, 1872: 2817 (cat.).

Aneflus linearis; LeConte, 1873a: 186; Lameere, 1883: 18 (cat.); LeConte & Horn, 1883: 288; Leng, 1885c: 34; Horn *in* Leng, 1885b: 131, 132; Fall, 1901: 145 (distr.); Schaeffer, 1908: 330; Garnett, 1918: 205 (distr.).

Aneflomorpha lineare; Casey, 1912: 293; Davis, 1932: 85 (distr.); Linsley, 1936a: 472; Moore, 1937: 88 (distr.); Linsley, 1963: 57, fig. 18; Tyson, 1970b: 297; Hatch, 1971: 107, pl. 10, fig. 8; Furniss & Carolin, 1977: 98 (hosts); Cope, 1984a: 27 (hosts); Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., 1993d: 29 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 341 (hosts); Monné, M.A., 2001a: 60 (cat. hosts); Monné, M.A., 2005: 184 (cat.); Monné, M.A. & Hovore, 2006: 61 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 468;

Aneflomorpha linearis; Lingafelter, 2022: 32. figs 1i, 2g, 5i, 6o, 7i, o, 8h, n, 9h, n, 10i, o, 11e, 15a, b, d, f, h, 16c

Aneflomorpha longipennis Casey, 1912: 294; Linsley, 1933a: 92 (distr.); Lingafelter *et al.*, 2014: 92, figs 101g, h (holotype); Heffern, Vlasák & Alten, 2018: 740 (hosts).

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

Aneflomorpha parowana Casey, 1924: 242; Linsley, 1963: 56 (syn.); Hatch, 1971: 107; Lewis, 1979: 23 (distr.); Hovore, 1988: 10 (distr.); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A., 1993d: 30 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Heffern, 1998: 13 (distr.); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter *et al.*, 2014: 296, 305, fig. 127 w (lectotype).

Type locality - Lectotype: United States, Utah: Parowan Mountains. (USNM).

Aneflomorpha testacea Casey, 1924: 243; Lingafelter *et al.*, 2014: 332, 365, fig. 168 w (lectotype).

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

Aneflomorpha elongata Linsley, 1936a: 473, pl. 1, fig. 6.

Type locality - Holotype female: United States, California: Santa Ana Canyon, Orange County. (CASC).

Aneflomorpha californica Linsley, 1936a: 476.

Type locality - Holotype male: United States, California: Sequoia National Park, Ash Mountain. (CASC).

Elaphidion tenue; Craighead, 1923: 75, pl. 10, fig. 3 (larva, pupa) (not LeConte, 1854).

8. *Aneflomorpha linsleyae* Chemsak, 1962

Type locality - Holotype male: United States, Arizona: 5 miles West of Portal (Southwestern Research Station of the AMNH), Cochise County, Chiricahua Mts. (CASC). **Distribution** - United States (Arizona).

Aneflomorpha linsleyae Chemsak, 1962b: 105; Linsley, 1963: 43; Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., 1993d: 29 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter, 2022: 35 ; figs 2a, 5j, 7j, 8i, 9i, 10j, 11c

9. *Aneflomorpha luteicornis* Linsley, 1957

Type locality - Holotype male: United States, Arizona: Mt. Washington, near Nogales. (CASC). **Distribution** - United States (Southern Arizona mountains, New Mexico), Mexico (Sonora). **Host plants** - *Quercus hypoleucooides* A. Camus (Fagaceae).

Aneflomorpha luteicornis Linsley, 1957b: 285; Linsley, 1963: 54; Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., 1993d: 29 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Monné, M.A. & Hovore, 2006: 61 (checklist); Heffern, Vlasák & Alten 2018: 740 (hosts); Lingafelter, 2022: 35, figs 2b, 5k, 7k, 8j, 9j, 10k

10. *Aneflomorpha minuta* Chemsak, 1962

Type locality - Holotype male: United States, Arizona: Baboquivari Mountains, Browns Canyon. (CASC). **Distribution** - United States (Arizona), Mexico (Sonora).

Aneflomorpha minuta Chemsak, 1962b: 103; Linsley, 1963: 50; Ruetter, 1970: 18 (paratype); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A., 1993d: 30 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter, 2022 : 35, figs 2c, 5l, 7l, 8k, 9k, 10l, 12c, d

11. *Aneflomorpha parolinearis* Lingafelter, 2022

Type locality - Holotype male: United States, Arizona: Cochise Co., Hereford, Lower Ida Canyon, 31° 22.77' N, 110° 19.82' W, 1815 m. **Distribution**-United States (Arizona, New Mexico).

Aneflomorpha parolinearis Lingafelter, 2022: 21, figs. 2e, 6p, 7p, 8m, 9m, 10p, 11g, 15c, f, g, i

12. *Aneflomorpha rectilinea* Casey, 1924

Type locality - Lectotype male: United States, Arizona: Tucson. (USNM). **Distribution** - United States (Arizona, Texas, New Mexico), Mexico (Baja California, Sinaloa, Jalisco, Sonora). **Host plants** - *Rhus aromatica* Aitchison (Anacardiaceae), *Baccharis sarothroides* A. Gray (Asteraceae), *Quercus* sp. (Fagaceae); *Rhus aromatica* Aitchison (Anacardiaceae), *Euonymus* sp. (Celastraceae), *Indigofera spaherocarpa* A. Gray, *Ficus* sp., *Morus rubra* Linnaeus (Moraceae), *Prunus* sp. (Rosaceae), *Citrus* sp. (Rutaceae).

Aneflomorpha rectilinea Casey, 1924: 243; Linsley, 1936a: 474; Linsley, Knull & Statham, 1961b: 13 (distr.); Linsley, 1963: 49 (syn.); Lewis, 1979: 23 (distr.); Chemsak & Noguera, 1995: 58; Noguera & Chemsak, 1996: 398 (cat.); Lingafelter, 1998: 48, fig. 65; Noguera *et al.*, 2002: 623 (distr.); Lingafelter *et al.*, 2014: 308, figs 142k, l (lect. designation).

Aneflomorpha rectilinea rectilinea; Giesbert & Hovore, 1976: 98; MacKay, Zak & Hovore, 1987: 363 (hosts); Hovore, 1988: 9 (distr.); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A., 1993d: 30 cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Heffern,

1998: 13 (distr.); Monné, M.A., 2001a: 61 (cat. hosts); Monné, M.A., 2005: 184 (cat.); Monné, M.A. & Hovore, 2006: 61 (checklist); Noguera *et al.*, 2009: 87 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 468; Lingafelter, 2022: 38, figs 1d, 2h, 5d, 6q, r, 7d, q, r, 8c, o, p, 9c, o, 10d, q, r, 11f, h, 16e

Aneflomorpha spinicornis Linsley, 1935c: 147.

Type locality - Holotype male: Mexico, Sinaloa: Los Mochis. (CASC).

Aneflomorpha duncani Linsley, 1936a: 472.

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

Aneflomorpha citrana Chemsak, 1960: 149; Gerhardt, 1961: 134, figs 1, 2 (biol.); Linsley, 1963: 48; Lewis, 1979: 23 (distr.); Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., 1993d: 28 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Linsley & Chemsak, 1997: 341 (hosts); Monné, M.A. & Hovore, 2006: 61 (checklist); Heffern, Vlasák & Alten, 2018: 740 (hosts)

Type locality - Holotype male: United States, Arizona: Maricopa County, Tempe. (CASC).

13. *Aneflomorpha seminuda* Casey, 1912

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

Aneflomorpha seminuda Casey, 1912: 294; Linsley, 1963: 51 (syn.); Turnbow & Wappes, 1978: 368 (distr.); Hovore, Penrose & Neck, 1987: 301 (distr.); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A., 1993d: 31 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Lingafelter & Horner, 1993: 170 (distr.); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter, 2014: 317, fig. 152a (holotype); Lingafelter, 2022: 41, figs 2i, 6s, 7s, 8q, 9p, 10s, 11i, 16

14. *Aneflomorpha subpubescens* (LeConte, 1862)

Type locality - Holotype: United States, New Jersey. (MCZN). **Distribution** - Eastern, southeastern and central United States. **Host plants** - *Gaylussia* sp. (Ericaceae), *Castanea* sp., *Quercus alba* Linnaeus, *Q. ilicifolia* Wagenheim (Fagaceae); *Comptonia peregrina* (Linnaeus) M. Coulter (Myricaceae).

Elaphidion subpubescens LeConte, 1862: 41; 1873a: 183; Leng, 1885c: 32; Chittenden, 1898: 41 (biol.); Smith, 1900: 288 (distr.); Ulke, 1903: 26, 50 (distr.); Felt, 1906: 702 (hosts); Smith, 1910: 326; Nicolay, 1919: 65 (distr.); Craighead, 1923: 75, pls 1, 15.

Hypermallus subpubescens; Gemminger & Harold, 1872: 2818 (cat.).

Aneflomorpha subpubescens; Casey, 1912: 291; Champlain, Kirk & Knull, 1925: 106; Kirk & Knull, 1926: 22; Leonard, 1928: 436 (distr.); Loding, 1933: 148 (distr.); Brimley, 1938: 211 (distr.); Loding, 1945: 115 (distr.); Knull, 1946: 197, pl. 11, fig. 45; Craighead, 1950: 246, fig. 56C (larva); Beal, Haliburton & Knight, 1952: 44 (biol.); Alexander, 1958: 44 (distr.); Linsley, 1961b: 169; 1963: 51, fig. 17; Baker, 1972: 194, fig. 65; Turnbow & Franklin, 1980: 341 (distr.); Rice, 1981: 460 (distr.); Arnett, 1985: 362, fig. 24.186; Rice, Turnbow & Hovore, 1985: 19 (distr.); Chemsak, Linsley & Noguera, 1992: 38 (cat.); MacRae, 1993: 229 (distr.); Monné, M.A., 1993d: 31 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Yanega, 1996: 47, pl. 14, fig. 163; Linsley & Chemsak, 1997: 341 (hosts); Schiefer, 1998: 116 (distr.); Peck & Thomas, 1998: 118 (distr.); Vlasák & Vlasakova, 2002: 209 (distr.); Sikes & Webster, 2005: 320 (distr.); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter, 2007: 50, 144, 2 figs, pl. 12, fig. 6 (hosts); Staines, 2008: 145 (distr.); Guarnieri, 2009: 16 (distr.); Holt, 2013: 248 (distr.); Klingeman *et al.*, 2017: 297 (distr.); Heffern, Vlasák & Alten, 2018: 541 (hosts); Lingafelter, 2022: 42, figs 3a, 6t, 7t, 8r, 9q, 10t, 16g

15. *Aneflomorpha tenuis* (LeConte, 1854)

Syntypes locality - Syntypes: United States, Texas: Laredo to Ringgold Barracks. (MCZN).

Distribution - United States (Southern and western Texas), northern Mexico (Tamaulipas, Nuevo León). **Host plants** - *Acacia farnesiana* (Linnaeus) Willdenow (Mimosaceae), *Karwinskia humboldtiana* (Roemer & Schultes) Zuccarini (Rhamnaceae).

Elaphidion tenue LeConte, 1854b: 81; 1858a: 40 (distr.); Schaeffer, 1908: 327 (distr.).

Hypermallus tenuis; Gemminger & Harold, 1872: 2818 (cat.).
Aneflus tenuis; LeConte, 1873a: 186; Lameere, 1883: 18 (cat.); LeConte & Horn, 1883: 288; Leng, 1885c: 34, 35; Horn in Leng, 1885d: 131, 133.
Anepsyra tenue; Casey, 1912: 291; Linsley & Martin, 1933: 180; Vogt, 1949: 141 (distr.); Craighead, 1950: 246 (biol.).
Aneflomorpha tenuis; Linsley, 1963: 44, fig. 16; Hovore, Penrose & Neck, 1987: 301 (hosts); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A., 1993d: 31 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 341 (hosts); Monné, M.A., 2001a: 61 (cat. hosts); Monné, M.A., 2005: 185 (cat.); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter, 2022: 43, figs 3b, 6u, 7u, 8s, 9r, 10u; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 468;

16. *Aneflomorpha texana* Linsley, 1936

Type locality - Holotype male: United States, Texas, Glen Ranch, Alpine (CASC) **Distribution** - United States (Texas)

Aneflomorpha texana Linsley, 1936: 473; Lingafelter, 2022: 44, figs 3c, d, 6w, 7w, 8u, 9t, 10w

Aneflomorpha werneri Chemsak, 1962b: 106; Linsley, 1963: 49; Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A. 1993d: 32 (cat.); Monné, M.A. & Hovore, 2006: 60 (checklist);

Type locality - Holotype male: United States, Texas: Big Bend National Park, Chisos Mountains. (CASC).

17. *Aneflomorpha unispinosa* Casey, 1912

Type locality - Holotype male: Mexico, Chihuahua: Colonia Garcia. (USNM). **Distribution** - United States (Arizona), Mexico (Chihuahua). **Host plants** - *Ceanothus fendleri* A. Gray (Rhamnaceae)

Aneflomorpha unispinosa Casey, 1912: 295; Linsley, 1936a: 474; Linsley, Knull & Statham, 1961b: 13 (distr.); Linsley, 1963: 47; Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A., 1993d: 32 (cat.) Monné, M.A. & Giesbert, 1994: 48 (checklist); Monné, M.A., 2005: 185 (cat.); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter *et al.*, 2014: 339, figs 177e, f (holotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 468; Lingafelter, 2022: 5, figs 1b, 3e, 5b, 6v, 7b, v, 8t, w, 9s, 10b, v, 14

Aneflomorpha arizonica Linsley, 1936: 475; Gerhardt, 1961: 134; Linsley, 1963: 46; Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné M.A., 1993d: 27 (cat.); Monné, M.A. & Giesbert, 1994: 41 (checklist); Monné, M.A. & Hovore, 2006: 60 (checklist)

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

18. *Aneflomorpha yumae* Giesbert & Hovore, 1976

Type locality - Holotype male: United States, Arizona: Yuma County, Morelos Dam. (CASC). **Distribution** - United States (Arizona).

Aneflomorpha rectilinea yumae Giesbert & Hovore, 1976: 97; Hovore, 1988: 27; Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M. A., 1993d: 30 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Monné, M.A. & Hovore, 2006: 61 (checklist);

Aneflomorpha yumae; Lingafelter., 2022: 46, figs 3f, 6x, 7x, 8v, 9u, 10x, 11j, 16h

***Aneflus* LeConte, 1873**

Aneflus LeConte, 1873a: 185; 1873b: 302; LeConte & Horn, 1883: 287; Leng, 1885b: 34; Horn in Leng, 1885b: 131; Casey, 1912: 291, 296; Bradley, 1930: 233; Linsley, 1936a: 468, 469; 1961f: 181; 1963: 29; Arnett, 1962: 865, 883; Chemsak & Linsley, 1963b: 81 (rev.); Monné, M.A., 1993h: 34 (cat.); Lingafelter, 1998: 51 (syn.); Monné, M.A. & Hovore, 2006: 62 (checklist); Monné, M.A., 2012: 20.

Type-species - *Elaphidion protensum* LeConte, 1858 (subsequent designation, Casey, 1912: 291).

Axestinus LeConte, 1873a: 177; 1873b: 301; LeConte & Horn, 1883: 286; Leng, 1884: 115; Bradley, 1930: 232; Linsley, 1936a: 4; Arnett, 1962: 865, 883; Linsley, 1963: 58.

Type-species - *Axestinus obscurus* LeConte, 1873 (monotypy).

Proteinidium Bates, 1892: 149.

Type-species - *Proteinidium brevicorne* Bates, 1892 (monotypy).

Aneflus (Aneflus) LeConte, 1873

Aneflus (Aneflus) ; Linsley, 1961f : 180 ; Monné, M.A., 1993d: 23 (cat.) ; Monné, M.A., 2005 : 186 (cat.)

1. *Aneflus (Aneflus) calvatus* Horn, 1885

Type locality - Holotype male: United States, California. (ANSP). **Distribution** - United States (Arizona, southern California), Mexico (Baja California, Sonora).

Aneflus calvatus Horn in Leng, 1885d: 132; Linsley, 1936a: 471; 1942: 37; 1963: 36, fig. 13; Chemsak & Linsley, 1963b: 89; Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A. 1993d: 23 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Monné, M.A., 2005: 186 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Noguera *et al.*, 2009: 87 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Aneflomorpha? calvatus; Casey, 1912: 293.

2. *Aneflus (Aneflus) levettei* (Casey, 1891)

Type locality - Lectotype male: United States, Arizona. (USNM). **Distribution** - United States (Arizona) and northern Mexico. **Host plants** - *Mimosa dysocarpa* Bentham , *Mimosa grahamii* A. Gray (Mimosaceae).

Elaphidion levettei Casey, 1891: 29; Henshaw, 1895: 24 (cat.); Leng & Hamilton, 1896: 167; Schaeffer, 1908: 335 (distr.).

Aneflus levettei; Schaeffer, 1908: 330 (distr.); Casey, 1924: 241; Linsley, Knull & Statham, 1961: 13 (distr.); Chemsak & Linsley, 1963b: 89; Linsley, 1963: 31, fig. 15; Cope, 1984a: 27 (hosts); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A., 1993d: 23 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Linsley & Chemsak, 1997: 341 (hosts); Monné, M.A. & Hovore, 2006: 62 (checklist); Lingafelter *et al.*, 2014: 89, 367, fig. 97w (lectotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Aneflomorpha levettei; Casey. 1912: 293; Linsley, 1936a: 475.

3. *Aneflus (Aneflus) obscurus* (LeConte, 1873)

Type locality - Holotype: United States, Rio Grande Valley ?. (MCZN). **Distribution** - United States (Arizona, Texas), Mexico (Chihuahua, Coahuila). **Host plants** - *Acacia* sp. (Mimosaceae).

Axestinus obscurus LeConte, 1873a: 177; 1873b: 302; Lameere, 1883: 16 (cat.); LeConte & Horn, 1883: 287; Linsley, 1936a: 469, pl. 1, figs 4, 4a (syn.); Linsley, Knull & Statham, 1961b: 13 (distr.); Linsley, 1963: 58, fig. 19; MacKay, Zak & Hovore, 1987: 363 (hosts); Hovore, Penrose & Neck, 1987: 301 (distr.); Chemsak, Linsley & Noguera, 1992: 40 (cat.); Noguera & Chemsak, 1996: 398 (cat.).

Aneflus obscurus; Lingafelter, 1998: 51, fig. 67; Monné, M.A., 2001a: 61 (cat. hosts); Monné, M.A. 1993d: 32 (cat.); Monné, M.A. & Giesbert, 1994: 51 (checklist); Monné, M.A., 2005: 187 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Proteinidium brevicorne Bates, 1892: 150, pl. 5, fig. 4; Chemsak, 1967b: 79 (lect.).

Type locality - Lectotype female: Mexico, Chihuahua: Chihuahua City. (BMNH).

4. *Aneflus (Aneflus) paracalvatus* Knull, 1955

Type locality - Holotype male: United States, Arizona: Santa Rita Mts. (FMNH).
Distribution - United States (Arizona), northern Mexico. **Host plants** - *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Aneflus parcalvatus Knull, 1955b: 221.

Aneflus paracalvatus; Linsley, 1963: 33; Chemsak & Linsley, 1963b: 95; Chemsak, 1977a: 173 (type); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A. 1993d: 24 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Monné, M.A., 2001a: 62 (cat. hosts); Monné, M.A., 2005: 187 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Aneflus paraclavatus; Chemsak & Linsley, 1982a: 19 (error).

Aneflus prosopidis Linsley, 1957a: 20; Lingafelter *et al.*, 2014: 303, figs 136i, j (holotype).

Type locality - Holotype male: United States, Arizona: Santa Catalina Mts. (Sabino Canyon). (USNM).

5. *Aneflus (Aneflus) prolixus prolixus* LeConte, 1873

Syntypes locality - Syntypes male and female: Mexico, Baja California: Cabo San Lucas. (MCZN). **Distribution** – United States (California), Mexico (Baja California).

Aneflus prolixus LeConte, 1873a: 203; Lameere, 1883: 18 (cat.); Leng, 1885c: 35; Horn *in* Leng, 1885d: 131, 132; Horn, 1894: 338 (distr.); Garnett, 1918: 205 (distr.); Linsley, 1936a: 470; 1942: 36; 1963: 31; Chemsak, Linsley & Noguera, 1992: 38 (cat.).

Aneflus prolixus prolixus; Chemsak & Linsley, 1963b: 87; Monné, M.A. 1993d: 24 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Hovore, 1988 : 27 (distr.) ; Monné, M.A., 2005: 187 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Swift, 2008a: 2 (distr.) ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

5a. *Aneflus (Aneflus) prolixus fisheri* Knull, 1934

Type locality - Holotype male: United States, Arizona: Globe. (FMNH). **Distribution** - United States (Southeastern Arizona to Texas), Mexico (Sonora).

Aneflus fisheri Knull, 1934c: 335; Chemsak, 1977a: 173 (type).

Aneflus prolixus; Linsley, 1936a: 470 (syn.); 1942: 36; Linsley, Knull & Statham, 1961b: 13.

Aneflus prolixus fisheri; Linsley, 1963: 32, fig. 11; Chemsak & Linsley, 1963b: 87; Turnbow & Wappes, 1978: 368 (distr.); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A. 1993d: 24 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Monné, M.A., 2005: 187 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Aneflus prolixus fisheri; Terrón, 1992: 289 (distr., error).

5b. *Aneflus (Aneflus) prolixus insoletus* Chemsak & Linsley, 1963

Type locality - Holotype male: Mexico, Tamaulipas: 29 km S Hidalgo. (CASC). **Distribution** - United States (Texas), Mexico (Chihuahua, Coahuila, Durango, Tamaulipas, San Luis Potosí, Hidalgo). **Host plants** - *Acacia berlandieri* Bentham (Mimosaceae).

Aneflus prolixus insoletus Chemsak & Linsley, 1963b: 88; Turnbow & Wappes, 1978: 368 (distr.); Hovore, Penrose & Neck, 1987: 301 (hosts); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A. 1993d: 24 (cat.); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 341 (hosts); Monné, M.A., 2001a: 62 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.);

Monné, M.A., 2005: 188 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); García Morales *et al.*, 2015: 102 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Aneflus prolixus insoletus; Terrón, 1992: 289 (distr., error).

6. *Aneflus (Aneflus) protensus protensus* (LeConte, 1858)

Type locality - Holotype female: Mexico, Sonora. (MCZN). **Distribution** - United States (Texas to southern California), Mexico (Baja California, Sonora, Chihuahua, Coahuila, Tamaulipas). **Host plants** - *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Elaphidion protensum LeConte, 1858b: 82; 1858a: 40 (distr.).

Hypermallus protensus; Gemminger & Harold, 1872: 2818 (cat.).

Aneflus protensus; LeConte, 1873a: 185; LeConte & Horn, 1883: 288; Lameere, 1883: 18 (cat.); Leng, 1885c: 34, pl. 3, fig. 5; Horn *in* Leng, 1885d: 132; Horn, 1894: 338 (distr.); Garnett, 1918: 205 (distr.); Linsley, 1936a: 470 (syn.); 1942: 36; Vogt, 1949: 141 (distr., hosts); Craighead, 1950: 239 (biol.); Linsley, Knull & Statham, 1961b: 13 (distr.); Linsley, 1963: 32, figs 10, 12; Chemsak & Linsley, 1963b: 90; Baker, 1972: 199 (biol.); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A. 1993d: 24 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 342 (hosts); Monné, M.A., 2001a: 62 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.).

Aneflus protensus protensus; MacKay, Zak & Hovore, 1987: 363 (hosts); Hovore, Penrose & Neck, 1987: 301 (hosts); Monné, M.A., 2005: 188 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Aneflus cochisensis Casey, 1912: 296; Moore, 1937: 88 (distr.); Lingafelter *et al.*, 2014: 42, figs 43w, x (holotype).

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

6a. *Aneflus (Aneflus) protensus pallidus* (Tyson, 1968)

Type locality - Holotype male: United States, California: Riverside County, Blythe. (CASC). **Distribution** - United States (California and Arizona).

Aneflus protensus pallidus Tyson, 1968: 142, fig. 2 (error).

Aneflus protensus pallidus; Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A., 1993d: 25 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Monné, M.A. & Hovore, 2006: 62 (checklist);

7. *Aneflus (Aneflus) sonoranus* Casey, 1924

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

Distribution - United States (Western Texas to Arizona), Mexico (Sonora). **Host plants** - *Acacia greggii* A. Gray, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Condalia obovata* Hooker, *C. obtusiflora* (Hooker) Weberbauer (Rhamnaceae).

Aneflus sonoranus Casey, 1924: 241; Linsley, 1936a: 470, pl. 1, figs 5, 5a; Vogt, 1949: 141 (distr.); Linsley, Knull & Statham, 1961b: 13 (distr.); Linsley, 1963: 30, fig. 14; Chemsak & Linsley, 1963b: 88; Lewis, 1979: 23 (distr.); Hovore, Penrose & Neck, 1987: 301 (hosts); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A. 1993d: 25 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Linsley & Chemsak, 1997: 342 (hosts); Monné, M.A., 2001a: 62 (cat. hosts); Monné, M.A., 2005: 188 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Lingafelter *et al.*, 2014: 321, figs 157k, l (holotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Axestinus obscurus; Leng, 1885c: pl. 2, fig. 27; Schaeffer, 1908: 335 (not LeConte, 1873).

Anelaphus Linsley, 1936

Anelaphus Linsley, 1936a: 464; 1961b: 37; Arnett, 1962: 866, 883; Linsley, 1963: 99; Gilmour, 1968: 130 (key spp.); Villiers, 1980b: 288; Skiles, 1985: 305, 318 (syn.); Monné, M.A. 1993d: 49 (cat.); Lingafelter, 1998: 52 (syn.); Monné, M.A., 2005: 190 (cat.); Lingafelter & Ivie, 2005: 205; Martins, 2005: 303; Monné, M.A. & Hovore, 2006: 62 (checklist); Monné, M.A., 2012: 20; Bousquet, Laplante, Hammond & Langor, 2017: 45 (key spp.); Lingafelter, 2020: 2 (rev.)

Type-species - *Elaphidion spurcum* LeConte, 1864 (original designation).

Elaphidionoides Linsley, 1957b: 283; 1961b: 35; Arnett, 1962: 866, 883; Linsley, 1963: 86

Type-species - *Stenocorus villosus* Fabricius, 1793 (original designation).

Peranoplium Linsley, 1957a: 17; 1961b: 40; Arnett, 1962: 866, 884; Linsley, 1963: 115; Monné, M.A. 1993d: 59 (cat.);

Type-species - *Elaphidion (Anoplium) hoferi* Knull, 1934 (original designation).

Gymnopsyra Linsley, 1937: 67; Arnett, 1962: 866, 883; Linsley, 1963: 97; Monné, M.A., 2005: 216 (cat.); Monné, M.A., 2012: 22.

Gymnopsyra; Lingafelter, 1998: 64 (error).

Type-species - *Gymnopsyra phoracanthoides* Linsley, 1937 (original designation) [= *Elaphidion (Anoplium) magnipunctata* Knull, 1934].

1. *Anelaphus albofasciatus* (Linell, 1897)

Type locality - Holotype male: United States, California: Los Angeles County, Mojave Desert. (USNM). **Distribution** - United States (Texas, Arizona and southern California).

Host plants - *Cylindropuntia bigelovii* (Engelman) F.M. Knuth, *Echinocactus* sp., *Opuntia acanthocarpa* Engelman & Bigelow, *O. whipplei* Engelman & Bigelow (Cactaceae).

Elaphidion albofasciatum Linell, 1897: 393; Fall, 1901: 144 (distr.); Garnett, 1918: 177 (distr.).

Anoplium albofasciatum; Leng, 1920: 259 (cat.); Davis, 1928: 123 (biol.); Tanner, 1934: 47 (distr.); Moore, 1937: 88 (distr.).

Anelaphus albofasciatus; Linsley, 1963: 101, fig. 37; Raske, 1972: 21, figs 1-5 (biol., hosts); Chemsak, Linsley & Noguera, 1992: 39 (cat.); Monné, M.A., 1993d: 49 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Linsley & Chemsak, 1997: 342 (hosts); Monné, M.A. & Hovore, 2006: 62 (checklist); Swift, 2008a: 2 (distr., hosts); Lingafelter *et al.*, 2014: 11, fig. 10o (holotype); Bezark, 2018: 46 (distr.);

Anoplium linelli Casey, 1924: 246; Lingafelter *et al.*, 2014: 89, 365, fig. 98q (lectotype); 2020: 10, fig 1a

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

2. *Anelaphus asperus* (Knull, 1962)

Type locality - Holotype male: United States, Texas: Big Bend National Park, Panther Junction, Chisos Mts. (USNM). **Distribution** - United States (Texas and Arizona).

Gymnopsyra aspera Knull, 1962: 105, fig. 1; Linsley, 1963: 97; Ruelle, 1970: 20 (types); Chemsak, Linsley & Noguera, 1992: 44 (cat.); Monné, M.A., 1993d: 57 (cat.); Monné, M.A. & Giesbert, 1994: 55 (checklist); Lingafelter, 1998: 64, figs 43A, 89; Monné, M.A. & Hovore, 2006: 67 (checklist); Lingafelter *et al.*, 2014: 20, fig. 20m (holotype).

Gymnopsyra aspersa; Van Pelt, 2002: 128 (distr., error).

Anelaphus asperus; Lingafelter, 2020: 10, figs 5e-f

3. *Anelaphus belkini* Skiles, 1985

Type locality - Holotype male: United States, Texas: Davis Mountain Resort, Limpia Canyon, Jeff Davis County. (CASC). **Distribution** - United States (Texas). **Host plants** - *Quercus emoryi* Torrey (Fagaceae).

Anelaphus belkini Skiles, 1985: 307; Chemsak, Linsley & Noguera, 1992: 39 (cat.); Monné, M. A., 1993d: 50 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Monné, M.A. & Hovore, 2006: 62 (checklist); MacRae & Rice, 2007: 228 (distr.); Lingafelter, 2020: 25, figs 1c, 22b

4. *Anelaphus brevidens* (Schaeffer, 1908)

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

Distribution - United States (Texas to southern California), northern Mexico (Sonora) and Baja California. **Host plants** - *Ericameria linerifolia* (de Candolle) Urbatsh & Wussow (Asteraceae), *Eysenhardtia polystachia* (Fabaceae), *Calliandra eriophylla* Bentham, *Mimosa dysocarpa* Bentham (Mimosaceae), *Condalia* sp. (Rhamnaceae), *Lycium* sp. (Solanaceae).

Elaphidion brevidens Schaeffer, 1908: 333; Lingafelter *et al.*, 2014: 32, figs 33q, r (holotype).

Anoplium brevidens; Casey, 1912: 305.

Anelaphus brevidens; Linsley, 1936a: 465; 1942: 40; Linsley, Knull & Statham, 1961b: 15 (distr.); Linsley, 1963: 195 (syn.); Cope, 1984a: 27 (hosts); MacKay, Zak & Hovore, 1987: 364 (hosts); Chemsak, Linsley & Noguera, 1992: 39 (cat.); Monné, M.A. 1993d: 50 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 342 (hosts); Monné, M.A., 2001a: 62 (cat. hosts); Monné, M.A., 2005: 190 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Noguera *et al.*, 2009: 87 (distr.); Heffern, Vlasák & Alten, 2018: 741, 2 figs (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Anoplium quadricolle Casey, 1924: 246; Lingafelter *et al.*, 2014: 307, figs 141c, d (holotype).

Anelaphus quadricollis; Linsley, 1936a: 465.

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

5. *Anelaphus brumermannae* Lingafelter, 2020

Type locality - Holotype, male: USA: Arizona: Pima Co., Picture Rocks, 665 m, 32°21.402'N, 111°12.289'W. (USNM). **Distribution** - United States (Arizona)

Anelaphus brumermannae Lingafelter, 2020: 7, figs

6. *Anelaphus cinereus* (Olivier, 1795)

Type locality - Lectotype: Santo Domingo. (BMNH). **Distribution** - United States (Florida), Cuba, Hispaniola, Jamaica, Bahamas, Virgin Islands, Cayman Islands, Bermudas, Curaçao, Puerto Rico. **Host plants** - *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae), *Casuarina equisetifolia* Linnaeus (Casuarinaceae), *Conocarpus erectus* Linnaeus (Combretaceae), *Lysiloma latisiliqua* (Linnaeus) Benth (Mimosaceae), *Zanthoxylum* sp. (Rutaceae), *Sideroxylon foetidissimum* Jacquin (Sapotaceae), *Guaicum officinale* Linnaeus (Zygophyllaceae).

Callidium cinereum Olivier, 1795: (70) 69, pl. 8, fig. 102; Schoenherr, 1817: 459.

Elaphidion cinereum; White, 1853: 103; Chevrolat, 1862a: 261; Schwarz, 1888: 93 (distr.); Leng, 1890: 214; Gundlach, 1894: 328 (distr.); Wolcott, 1924: 109.

Anelaphus cinereus; Ivie, 1985: 307, figs 2-4, (syn., lect.); Chemsak, Linsley & Noguera, 1992: 39 (cat.); Browne, Peck & Ivie, 1993: 44 (distr., hosts); Monné, M.A. 1993d: 50 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Monné, M.A., 2001a: 63 (cat. hosts); Peck, 2005: 168 (distr.); Monné, M.A., 2005: 191 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Vitali, 2007: 45; Lingafelter, 2007: 53, 144, 2 figs, pl. 13, fig. f (hosts); Perez-Gelabert, 2008: 118 (distr.); Turnbow & Thomas, 2008: 16 (distr.); Thomas, Turnbow & Steiner, 2013: 17 (distr.); Devesa, Fonseca & Barro, 2015: 31, 154, 158, figs 1-12.

Elaphidion nanum; Gahan, 1895: 103; Gowdey, 1926: 21 (distr.); Russo, 1930: 142 (distr.); Duffy, 1953: 183, figs 153, 154, pl. 1, fig. 2 (larva); 1960: 121, figs 70-72 (larva, pupa); Zayas, 1975: 95 (not Fabricius, 1793).

Anoplium nanum; Cazier & Lacey, 1952: 19, fig. 2 (*partim*).

Anoplium subtropicum Casey, 1924: 245; Lingafelter *et al.*, 2014: 329, figs 165s, t (lect. designation).

Anelaphus subtropicus; Linsley, 1963: 103 (*partim*); Chemsak, 1967a: 185 (distr.); Gilmour, 1968: 130, 131, pl. 12, fig. 3 (*partim*); Chemsak, 1969a: 186 (distr.); Turnbow & Hovore, 1979: 222 (hosts); Linsley & Chemsak, 1997: 344 (hosts); Vitali & Rezbanyai-Reser, 2003: 13, fig. 9, a-b.

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

7. *Anelaphus debilis* (LeConte, 1854)

Syntypes locality - Syntypes: United States, Texas: near Eagle Pass. (MCZN). **Distribution** - United States (central and southern Texas), northeastern Mexico (Tamaulipas), Honduras.

Host plants - *Baccharis angustifolia* Michaux (Asteraceae), *Celtis* sp. (Cannabaceae), *Sesbania drummondii* (Rydberg) Cory (Fabaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *Leucaena pulverulenta* (Schlechtendal) Benth, *Pithecellobium pallens* (Benth) Standley, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Elaphidion debile LeConte, 1854a: 442; 1858a: 40 (distr.).

Hypermallus debilis; Gemminger & Harold, 1872: 2817 (cat.).

Anoplium debile; Casey, 1912: 305.

Anelaphus debilis; Linsley, 1963: 196; Hovore & Giesbert, 1976: 355 (hosts); Turnbow & Wappes, 1978: 368 (hosts); Hovore & Penrose, 1982: 24 (biol.); Hovore, Penrose & Neck, 1987: 303 (distr.); Chemsak, Linsley & Noguera, 1992: 51 (cat.); Monné, M.A. 1993d: 51 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 342 (hosts); Monné, M.A., 2001a: 63 (cat. hosts); Turnbow, Cave & Thomas, 2003: 8 (distr.); Monné, M.A., 2005: 191 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Vlasák, 2014: 318 (hosts); García Morales *et al.*, 2015: 102 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

8. *Anelaphus dentatus* Chemsak, 1962

Type locality - Holotype female: United States, Arizona: Cochise Stronghold, Dragoon Mountains. (CASC). **Distribution** - United States (Arizona). **Host plants** - *Quercus hypoleuca* Engelmann (Fagaceae), *Cercocarpus montanus* Rafinesque (Rosaceae)

Anelaphus dentatus Chemsak, 1962b: 110; Monné, M.A. 1993d: 51 (cat.); Monné, M.A. & Giesbert, 1994: 50 (checklist); Linsley, 1963: 107; Hovore, 1983: 380 (hosts); Chemsak, Linsley & Noguera, 1992: 39 (cat.); Monné, M.A., 1993d: 51 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Lingafelter, 2020 : 10, fig. 1h (distr)

9. *Anelaphus hoferi* (Knull, 1934)

Type locality - Holotype male: United States, Arizona: Tucson. (FMNH). **Distribution** - United States (Arizona), northern Mexico.

Elaphidion (Anoplium) hoferi Knull, 1934a: 69; Chemsak, 1977a: 174 (type).

Anoplium hoferi; Linsley, 1936a: 466.

Peranoplium hoferi; Linsley, 1957a: 17; Linsley, Knull & Statham, 1961b: 17; Linsley, 1963: 119; Chemsak, Linsley & Noguera, 1992: 46 (cat.); Monné, M.A., 1993d: 59 (cat.); Noguera & Chemsak, 1996: 399 (cat.).

Anelaphus hoferi; Lingafelter, 1998: 48, 52, fig. 70; Monné, M.A., 2005: 193 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

10. *Anelaphus inermis* (Newman, 1840)

Syntypes locality - Syntypes: United States, Florida: St. John's Bluff. (BMNH). **Distribution** - United States (Florida, Georgia to Texas), Mexico (Quintana Roo, Nuevo León, Tamaulipas, Veracruz), Guatemala, Honduras, Nicaragua, Panama, Bahamas, Guadeloupe, Greater Antilles. **Host plants** - *Yucca* sp. (Agavaceae), *Piscidia piscipula* (Linnaeus) Sargent, *Sesbania drummondii* (Rydberg) Cory (Fabaceae), *Quercus virens* Aiton, *Q. virginiana* Miller (Fagaceae), *Carya* sp. (Juglandaceae), *Citrus aurantium* Linnaeus, *C. sinensis* (Linnaeus) Osbeck (Rutaceae), *Bumelia tenax* Willdenow (Sapotaceae), *Avicennia germinans* (Linnaeus) Stearn (Verbenaceae).

Elaphidion inermis Newman, 1840b: 29; Haldeman, 1847c: 372 (syn.); LeConte, 1850b: 15; White, 1853: 101; LeConte, 1873a: 182; Riley, 1880: 239 (hosts); Leng, 1885c: 31; Hubbard, 1885: 125, 171 (biol.); Horn, 1885b: 5; Packard, 1890: 290, fig. 115 (biol.); Hamilton, 1894a: 252 (distr.); Beutenmuller, 1896: 75 (hosts); Chittenden, 1898: 41, figs 12, 13 (biol.); Lugger, 1899: 201 (biol.); Townsend, 1903: 76 (distr.); Schaeffer, 1908: 327 (distr.); Craighead, 1923: 70, pl. 8, fig. 11 (larva); Fisher, 1932: 36; Duffy, 1960: 125 (biol.).

Hypermallus inermis; Gemminger & Harold, 1872: 2817 (cat.); Bates, 1885: 249.

Anoplium inermis; Casey, 1912: 305; Kirk & Knull, 1926: 23 (distr.); Linsley & Martin, 1933: 180 (distr.); Brimley, 1938: 211 (distr.); Quayle, 1938: 318 (biol.); Ebeling, 1950: 493 (hosts).

Anelaphus inermis; Linsley, 1936a: 465; Loding, 1945: 115 (distr.); Cazier & Lacey, 1952: 21; Linsley, 1963: 108, fig. 15; Gilmour, 1968: 131; Manley & French, 1976: 48; Chemsak, Linsley & Mankins, 1980: 30 (distr.); Hovore, Penrose & Neck, 1987: 303 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 39 (cat.); Browne, Peck & Ivie, 1993: 43 (distr., hosts); Maes *et al.*, 1994: 8 (distr., hosts); Monné, M.A. 1993d: 51 (cat.); Monné, M.A. & Giesbert,

1994: 50 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 342 (hosts); Maes, 1998: 891 (distr.); Monné, M.A., 2001a: 63 (cat. hosts); Morris, 2002: 210 (distr., hosts); Turnbow, Cave & Thomas, 2003: 8 (distr.); Monné, M.A., 2005: 193 (cat.); Peck, 2005: 168 (distr.); Monné, M.A. & Hovore, 2006: 63 (checklist); Lingafelter, 2007: 54, 144, 2 figs, pl. 13, fig. i (hosts); Turnbow & Thomas, 2008: 16 (distr.); Maes *et al.*, 2010: 157, 2 figs (distr.); Holt, 2013 : 248 (distr.) ; García Morales *et al.*, 2015: 102 (distr.); Bezark, 2015: 76, figs 4,5 (syn.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470
Aneflus inermis; Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.).
Elaphidion truncatum Haldeman, 1847a: 33; Leng, 1885c: 31, 33; Schaeffer, 1908: 327 (distr.).
Hypermallus truncatus; Bates, 1880: 26 (distr.); 1885: 249 (distr.).
Anoplium truncatum; Casey, 1912: 305; Linsley & Martin, 1933: 180 (distr.).
Anelaphus truncatus; Linsley, 1936a: 465; 1942: 87.

Type locality - Holotype: not stated. (MCZN).

Hypermallus grisescens Bates, 1885: 249; Chemsak, 1967b: 76 (lect.).

Elaphidion grisescens; Schaeffer, 1908: 133.

Anoplium grisescens; Casey, 1912: 305.

Type locality - Lectotype female: Mexico, Veracruz: Jalapa. (BMNH).

Trichophorus yucatanus Fuchs, 1961c: 4; Damoiseau & Cools, 1987: 24 (type); Chemsak, Linsley & Noguera, 1992: 49 (cat.); Noguera & Chemsak, 1996: 399 (cat.).

Ambonus yucatanus; Monné, M. A., 1993d: 67 (cat.); Monné, M.A., 2005: 182 (cat.).

Type locality - Holotype female: Mexico, Quintana Roo: Los Lagunas. (ISNB).

11. *Anelaphus inflaticollis* Chemsak, 1959

Type locality - Holotype female: United States, California: Apple Valley, San Bernardino County. (CNCI). **Distribution** - United States (California).

Anelaphus inflaticollis Chemsak, 1959b: 65; Linsley, 1963: 105; Ruetter, 1970: 18 (types); Hovore & Giesbert, 1976: 355 (hosts); Hovore, Penrose & Giesbert, 1978: 99; Cope, 1984a: 27 (hosts); Chemsak, Linsley & Noguera, 1992: 39 (cat.); Monné, M.A., 1993d: 52 (cat.); Monné, M.A. & Giesbert, 1994: 50 (checklist); Linsley & Chemsak, 1997: 343 (hosts); Monné, M.A. & Hovore, 2006: 63 (checklist); Swift, 2008a: 2 (distr., hosts); Ray *et al.*, 2009: 1462 (pherom.).

12. *Anelaphus magnipunctatus* (Knull, 1934)

Type locality - Holotype female: United States, New Mexico: Grant County. (FMNH).

Distribution - United States (Texas, Arizona and New Mexico). **Host plants** - *Senegalia greggii*, *Vachelia constricta* (Benth.) (Mimosaceae)

Elaphidion (Anoplium) magnipunctata Knull, 1934a: 12; Chemsak, 1977a: 174 (types).

Gymnopsyra magnipunctata; Linsley, Knull & Statham, 1961: 15 (distr.); Linsley, 1963: 98 (syn.); Lewis, 1979: 24 (distr.); Chemsak, Linsley & Noguera, 1992: 44 (cat.); Monné, M.A., 1993d: 58 (cat.); Lingafelter, 1998: 64; Monné, M.A. & Hovore, 2006: 67 (checklist);

Anelaphus magnipunctatus; Lingafelter, 2020: 11, figs 1k, 5a-d (syn.)

Gymnopsyra phoracanthoides Linsley, 1937: 68

Type locality - Holotype female: United States, Texas: Alpine, Glen Ranch. (CASC).

Gymnopsyra chemsaki Linsley, 1963: 98; Chemsak, Linsley & Noguera, 1992: 44 (cat.); Monné, M.A. 1993d: 58 (cat.); Monné, M.A. & Giesbert, 1994: 55 (checklist); Monné, M.A., 1993d: 58 (cat.); Monné, M.A. & Hovore, 2006: 67 (checklist);

Type locality - Holotype female: United States, Arizona: Noon Creek, Graham Mountains, Graham County. (CASC).

13. *Anelaphus moestus* (LeConte, 1854)

Syntypes locality - Syntypes male and female: United States, Texas: near Eagle Pass. (MCZN). **Distribution** - United States (Texas, Arizona, Florida, Alabama, North Carolina, Mississippi), Mexico (Coahuila). **Host plants** - *Acer negundo* (Aceraceae) *Rhus aromatica* Aitchison (Anacardiaceae), *Grindelia* sp. (Asteraceae), *Celtis laevigata* Willdenow, *C. lindheimeri* Engelman, *C. reticulata* Torrey (Cannabaceae), *Sophora secundiflora* (Ortega)

de Candolle (Fabaceae), *Quercus laurifolia* Michaux (Fagaceae), *Juglans nigra* Linnaeus (Juglandaceae), *Acacia rigidula* Bentham, *Pithecellobium flexicaule* (Bentham) Coulter, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Morus rubra* Linnaeus (Moraceae), *Pinus cembroides* Zuccarini (Pinaceae), *Cercocarpus montanus* Rafinesque, (Rosaceae), *Zanthoxylum clava-herculis* Linnaeus (Rutaceae).

Elaphidion moestum LeConte, 1854a: 442; 1858a: 40 (distr.); 1873a: 183; Leng, 1885c: 31, 33; Knaus, 1885: 59 (distr.); Townsend, 1903: 76 (distr.).

Hypermallus moestus; Gemminger & Harold, 1872: 305; Bates, 1880: 26 (distr.); 1885: 249 (distr.).

Anoplium moestum; Casey, 1912: 305; Linsley & Martin, 1933: 180 (distr.); Linsley, 1936a: 466; Vogt, 1949: 142 (distr., hosts).

Anelaphus moestus; Linsley, 1963: 111; Noguera & Chemsak, 1996: 398 (cat.); Lingafelter, 1998: 48, fig. 69; 2007: 52, 144, 2 figs, pl. 12, fig. i (hosts); Cleger & Gemmill, 2018: 2 (distr.).

Anelaphus moestus moestus; Linsley, 1963: 111; Hovore & Giesbert, 1976: 356 (hosts); Turnbow & Wappes, 1978: 368 (hosts); Hovore, Penrose & Neck, 1987: 303 (hosts); Chemsak, Linsley & Noguera, 1992: 39 (cat.); Monné, M.A. 1993d: 52 (cat.); Monné, M.A. & Giesbert, 1994: 50 (checklist); Linsley & Chemsak, 1997: 343 (hosts); Monné, M.A., 2001a: 64 (cat. hosts); Monné, M.A., 2005: 194 (cat.); Monné, M.A. & Hovore, 2006: 63 (checklist); MacRae & Rice, 2007: 229 (hosts); Klingeman *et al.*, 2017: 297 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Anoplium laterale Casey, 1914: 365; Lingafelter *et al.*, 2014: 86, figs 94i, j (lect. designation).

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

Elaphidion sp., Craighead, 1923: 71 (larva).

Anoplium pinorum Casey, 1914: 365; Loding, 1933: 148 (distr.); Brimley, 1938: 211 (distr.).

Anelaphus moestus pinorum; Linsley, 1963: 111; Turnbow & Franklin, 1980: 342 (distr.); Chemsak, Linsley & Noguera, 1992: 39 (cat.); Monné, M.A., 1993d: 53 (cat.); Browne & Peck, 1996: 2158 (distr.); Schiefer, 1998: 116 (distr.); Monné, M.A. & Hovore, 2006: 63 (checklist); MacRae & Rice, 2007: 229 (distr., hosts); Holt, 2013: 348 (distr.); Lingafelter *et al.*, 2014: 300, fig. 133c (holotype).

14. *Anelaphus mutatum* (Gahan, 1890)

Syntypes locality - Syntypes male and female: Cuba. (BMNH). **Distribution** - United States (Florida), Cuba, Puerto Rico, Bahamas, Dominican Republic. **Host plants** - *Clusia rosea* Jacquin (Clusiaceae), *Lagerstroemia indica* Linnaeus (Lythraceae), *Zanthoxylum flavum* Vahl (Rutaceae).

Elaphidion mutatum Gahan, 1890: 32; 1895: 102; Hamilton *in* Leng & Hamilton, 1896: 167; Leng & Mutchler, 1914: 445 (distr.); Wolcott, 1941: 99 (hosts); Martorell, 1945: 352 (hosts); Wolcott, 1948: 337; Duffy, 1960: 124 (hosts); Zayas, 1975: 94, pl. 12, fig. b.

Elaphidionoides mutatus; Linsley, 1963: 93; Linsley & Chemsak, 1997: 371 (hosts).

Parelaphidion mutatum; Skiles, 1985: 311; Chemsak, Linsley & Noguera, 1992: 46 (cat.); Monné, M.A. 1993d: 44 (cat.); Monné, M.A. & Giesbert, 1994: 59 (checklist); Browne, Peck & Ivie, 1993: 43 (distr.); Monné, M.A., 2001a: 74 (cat. hosts); Lozada Piña, Fernández García & Trujillo Anaya, 2004: 106 (distr.); Peck, 2005: 171 (distr.); Fernández García, Favila Castillo & López Iborra 2009: 322 (distr.).

Anelaphus mutatum; Lingafelter & Ivie, 2005: 207, fig. 1c; Monné, M.A., 2005: 194 (cat.); Monné, M.A. & Hovore, 2006: 63 (checklist); Lingafelter, 2007: 53, 144, 2 figs, pl. 13g (hosts); Lingafelter, 2008: 357 (syn.); Turnbow & Thomas, 2008: 16 (distr.); Devesa, Fonseca & Barro, 2015: 31, 155, 170, figs 1-10.

Elaphidion pilosum Fisher, 1932: 36; Chemsak, Linsley & Noguera, 1992: 42 (cat.); Monné, M. A., 2005: 210 (cat.); Perez-Gelabert, 2008: 118 (distr.).

Type locality - Holotype female: Dominican Republic, Santo Domingo. (AMNH).

Elaphidion tomentosum Chevrolat, 1862a: 260 (*partim*, female).

Elaphidion lanatum; Leng, 1890: 214; Hamilton *in* Leng & Hamilton, 1896: 168 (not Chevrolat, 1862).

15. *Anelaphus niveivestitus* (Schaeffer, 1905)

Type locality - Lectotype female: United States, Texas: Brownsville, Esperanza Ranch. (USNM). **Distribution** - United States (Texas). **Host plants** - *Celtis berlandieri* Klotzsch (Cannabaceae), *Leucaena pulverulenta* (Schlechtendal) Bentham (Mimosaceae), *Fraxinus americana* Linnaeus (Oleaceae).

Elaphidion niveivestitum Schaeffer, 1905: 132.

Elaphidion niveipenne; Schaeffer, 1908: 327 (error).

Anoplium niveivestitum; Casey, 1912: 305; Linsley & Martin, 1933: 180 (biol.).

Anelaphus niveivestitus; Linsley, 1936a: 465; 1963: 104; Hovore, Penrose & Neck, 1987: 303 (distr.); Chemsak, Linsley & Noguera, 1992: 39 (cat.); Monné, M.A., 1993d: 53 (cat.); Monné, M.A. & Giesbert, 1994: 50 (checklist); Linsley & Chemsak, 1997: 343 (hosts); Monné, M.A. & Hovore, 2006: 63 (checklist); Lingafelter *et al.*, 2014: 108, 367, pl. 119c (lectotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

16. *Anelaphus piceus* (Chemsak, 1962)

Type locality - Holotype male: United States, Arizona: Tucson. (CASC). **Distribution** - United States (Arizona, California, Utah), northern Mexico (Jalisco, Sonora, Morelos). **Host plants** - *Annona cherimola* Mill. (Annonaceae), *Encelia farinosa* A. Gray (Asteraceae), *Eysenhardtia orthocarpa* (A.C. Gray) S. Watson (Fabaceae), *Gossypium thurberi* Todaro (Malvaceae), *Acacia constricta* Bentham ex Gray, *Mimosa dysocarpa* Benth., *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Ficus carica* Linnaeus (Moraceae), *Salix* sp. (Salicaceae), *Dodonaea viscosa* (Linnaeus) Jacq. (Sapindaceae).

Peranoplium piceum Chemsak, 1962b: 111; Linsley, 1963: 116, fig. 39; Cope, 1984a: 32 (hosts); Rice, Turnbow & Hovore, 1985: 19 (distr.); Chemsak, Linsley & Noguera, 1992: 46 (cat.); Monné, M.A. 1993d: 59 (cat.); Monné, M.A. & Giesbert, 1994: 59 (checklist); Chemsak & Noguera, 1995: 59 (distr.); Noguera & Chemsak, 1996: 399 (cat.); Linsley & Chemsak, 1997: 416 (hosts); Monné, M.A., 2001a: 65 (cat. hosts).

Anelaphus piceus; Lingafelter, 1998: 52; Noguera *et al.*, 2002: 623 (distr.); Toledo *et al.*, 2002: 526 (distr.); Monné, M.A., 2005: 195 (cat.); Monné, M.A. & Hovore, 2006: 63 (checklist); Noguera *et al.*, 2007: 311 (distr.); Noguera *et al.*, 2009: 87 (distr.); Vlasák, 2014: 318 (hosts); López-Martínez *et al.*, 2015: 780 (hosts); Vargas-Cardoso *et al.*, 2018: 94 (hosts); Lingafelter, 2020: 12, figs (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

17. *Anelaphus pumilus* (Newman, 1840)

Syntypes locality - Syntypes: United States, Florida: St. John's Bluff. (BMNH).

Distribution - United States (Pennsylvania to Florida and Texas). **Host plants** - *Acer saccharum* Marshall (Aceraceae), *Betula nigra* Linnaeus (Betulaceae), *Cornus* sp. (Cornaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Castanea* sp., *Quercus alba* Linnaeus, *Q. nigra* Linnaeus, *Q. phellos* Linnaeus, *Q. velutina* Lamarck (Fagaceae), *Carya* sp. (Juglandaceae), *Tilia americana* Linnaeus (Malvaceae), *Ulmus* sp. (Ulmaceae).

Elaphidion pumilum Newman, 1840b: 29; LeConte, 1850b: 24; White, 1853: 101; Leng, 1885c: 32, 33; Smith, 1900: 288 (distr.); Ulke, 1903: 26 (distr.); Knull, 1946: 196, pl. 12, fig. 46.

Hypermallus pumilus; Gemminger & Harold, 1872: 2818 (cat.).

Elaphidion (Elaphidion) pumilum; LeConte, 1873a: 183.

Romaleum pumilum; Castle & Laurent, 1896: 303 (distr.).

Anoplium pumilum; Casey, 1912: 305; Knull, 1929: 144 (distr.); Loding, 1945: 115 (distr.).

Anelaphus pumilus; Linsley, 1963: 100, figs 35, 36; Gosling, 1973: 73 (biol., distr.); Solomon, Doolittle & Spilman, 1976: 200; Turnbow & Franklin, 1980: 342 (distr.); Rice, 1981: 461 (distr.); Waters & Hyche, 1984: 286 (distr.); Chemsak, Linsley & Noguera, 1992: 40 (cat.); Monné, M.A., 1993d: 54 (cat.); Monné, M.A. & Giesbert, 1994: 50 (checklist); Yanega, 1996: 48, pl. 14, fig. 160; Linsley & Chemsak, 1997: 343 (hosts); Peck & Thomas, 1998: 118 (distr.); Schiefer, 1998: 117 (distr.); Monné, M.A. & Hovore, 2006: 63 (checklist); Rice & Veal, 2006: 256 (distr.); MacRae & Rice, 2007: 229 (distr., hosts); Lingafelter, 2007: 54, 144, 2 figs, pl. 13, fig. h (hosts); Staines, 2008: 145 (distr.); Holt, 2013: 248 (distr., hosts);

Spomer, 2014: 300 (distr.); Steury & MacRae, 2014: 10 (distr.); Vlasák, 2014: 118 (hosts); Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 46.

18. *Anelaphus rusticus* (LeConte, 1850)

Syntypes locality - Syntypes male and female: United States. (MCZN). **Distribution** - United States.

Elaphidion rusticum LeConte, 1850b: 14; Melsheimer, 1853: 102 (cat.); White, 1853: 102.

Elaphidionoides rusticus; Linsley, 1963: 96.

Anelaphus rusticus; Monné, M.A., 1993d: 55 (cat.); Monné, M.A. & Hovore, 2006: 63 (checklist);

19. *Anelaphus simile* (Schaeffer, 1908)

Syntypes locality - Syntypes: United States, Arizona: Huachuca Mts. (USNM). **Distribution** - United States (Arizona), northern Mexico (Sonora). **Host plants** - *Agave* sp., *Yucca* sp. (Agavaceae), *Xanthium* sp. (Asteraceae), *Quercus grisea* Liebmann (Fagaceae), *Acacia* sp. (Mimosaceae).

Elaphidion simile Schaeffer, 1908: 334; Lingafelter *et al.*, 2014: 319, figs 155a, b (syntype).

Anoplium simile; Casey, 1912: 305; Linsley, 1936a: 466; Knull, 1944: 92 (hosts).

Peranoplium simile; Linsley, 1957a: 18; Linsley, Knull & Statham, 1961b: 17; Linsley, 1963: 118; Chemsak, Linsley & Noguera, 1992: 46 (cat.); Monné, M.A., 1993d: 59 (cat.); Noguera & Chemsak, 1996: 399 (cat.); Linsley & Chemsak, 1997: 416 (hosts).

Anelaphus simile; Lingafelter, 1998: 52; Monné, M.A., 2001a: 65 (cat.); Monné, M.A., 2005: 196 (cat.); Monné, M.A. & Hovore, 2006: 63 (checklist); Noguera *et al.*, 2009: 87 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Elaphidion (Anoplium) hoferi Knull, 1934a: 69; Chemsak, 1977a: 174 (type).

Anoplium hoferi; Linsley, 1936a: 466.

Peranoplium hoferi; Linsley, 1957a: 17; Linsley, Knull & Statham, 1961b: 17; Linsley, 1963: 119; Chemsak, Linsley & Noguera, 1992: 46 (cat.); Monné, M.A. 1993d: 53 (cat.); Monné, M.A. & Giesbert, 1994: 59 (checklist); Noguera & Chemsak, 1996: 399 (cat.).

Anelaphus hoferi; Lingafelter, 1998: 48, 52, fig. 70; Monné, M.A., 2005: 193 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist);

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

Peranoplium tuckeri Casey, 1924: 247; Linsley, 1957: 18; Linsley, Knull & Statham, 1951: 17; Linsley, 1963: 118; Cope, 1984: 12 (hosts); Monné, M.A. & Giesbert, 1994: 59 (cat.); Linsley & Chemsak, 1997: 416, (hosts)

Anelaphus tuckeri; Lingafelter, 1998: 52 ; Lingafelter *et al.*, 2014: 337, 365. fig. 175a (lect.)

Type locality - United States, Arizona (USNM)

20. *Anelaphus spurcus* (LeConte, 1854)

Type locality - Holotype: United States, Texas: near Eagle Pass. (MCZN). **Distribution** - United States (Texas), northern Mexico (Tamaulipas). **Host plants** - *Leucaena pulverulenta* (Schlechtendal) Bentham, *Pithecellobium flexicaule* (Bentham) Coulter (Mimosaceae).

Elaphidion spurcum LeConte, 1854a: 442; 1858a: 40 (distr.); 1873a: 103; Leng, 1885b: 31, 33; Townsend, 1903: 76 (distr.); Schaeffer, 1908: 327.

Hypermallus spurcus; Gemminger & Harold, 1872: 2818 (cat.).

Anoplium spurcum; Casey, 1912: 305.

Anelaphus spurcus; Linsley, 1936a: 465; 1963: 108; Hovore, Penrose & Neck, 1987: 303 (biol.); Chemsak, Linsley & Noguera, 1992: 40 (cat.); Monné, M.A. 1993d: 55 (cat.); Monné, M.A. & Giesbert, 1994: 50 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 343 (hosts); Lingafelter, 1998: 48, fig. 68; Monné, M.A., 2001a: 65 (cat. hosts); Monné, M.A., 2005: 196 (cat.); Monné, M.A. & Hovore, 2006: 63 (checklist); García Morales *et al.*, 2015: 102 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

21. *Anelaphus subdepressum* (Schaeffer, 1904)

Type locality - Holotype female: Mexico, Baja California: San Felipe. (USNM). **Distribution** - United States (Arizona), northwestern Mexico and Baja California. **Host plants** - *Celtis reticulata* Torrey (Cannabaceae), *Dodonaea viscosa* Linnaeus filis (Sapindaceae).

Elaphidion subdepressum Schaeffer, 1904: 222; 1908: 330 (distr.); Lingafelter *et al.*, 2014: 327, figs 163s, t (holotype).

Anoplium subdepressum; Casey, 1912: 305.

Anelaphus subdepressus; Linsley, 1942: 41; Lingafelter, 1998: 52; Monné, M.A., 2001a: 65 (cat. hosts); Monné, M.A., 2005: 197 (cat.); Monné, M.A. & Hovore, 2006: 63 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Peranoplium subdepressum; Linsley, 1957a: 18; 1963: 116; Lewis. 1979: 24 (distr.); Cope, 1984a: 32 (hosts); Chemsak, Linsley & Noguera, 1992: 46 (cat.); Monné, M.A. 1993d: 59 (cat.); Monné, M.A. & Giesbert, 1994: 59 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Linsley & Chemsak, 1997: 416 (hosts);

22. *Anelaphus subinermis* Linsley, 1957

Type locality - Holotype male: United States, Texas: Marathon. (CASC). **Distribution** - United States (Texas), northern Mexico. **Host plants** - *Agave lecheguilla* Torrey, *Dasyliirion* sp. (Agavaceae), *Ambrosia monogyra* (Tor. & A.Gray) (Asteraceae); *Acacia farnesiana* (Linnaeus) Willdenow, *Mimosa dysocarpa* Benthham (Mimosaceae).

Anelaphus subinermis Linsley, 1957b: 286; 1963: 109; Turnbow & Wappes, 1978: 369 (hosts); Hovore, 1983: 374 (syn.); Rice, Turnbow & Hovore, 1985: 19 (biol.); Chemsak, Linsley & Noguera, 1992: 40 (cat.). Monné, M.A. 1993d: 49 (cat.); Monné, M.A. & Giesbert, 1994: 450(checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 343 (hosts); Monné, M.A., 2001a: 65 (cat. hosts); Van Pelt, 2002: 128; Monné, M.A., 2005: 197 (cat.); Monné, M.A. & Hovore, 2006: 62 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Hypermallus inermis; Bates, 1885: 249 (*partim*).

Elaphidion inerme; Leng, 1885b: 31, 33; Schaeffer, 1908: 333 (not Newman, 1840).

Anelaphus antennatus Chemsak, 1959a: 166; Linsley, 1963: 107.

Type locality - Holotype male: United States, Texas: Jeff Davis Co. (Fort Davis). (CASC).

23. *Anelaphus villosus* (Fabricius, 1793)

Type locality - Holotype: United States, Carolina. (ZMUC). **Distribution** - Eastern North America to Texas & Arizona, Canada (from the Nova Scotia peninsula to southeastern Saskatchewan), Cuba. **Host plants** - *Acer rubrum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Rhus radicans* Linnaeus (Anacardiaceae), *Betula* sp. (Betulaceae), *Cercis canadensis* Linnaeus, *Gleditschia triacanthos* Linnaeus (Caesalpiaceae), *Celtis* sp. (Cannabaceae), *Celastrus scandens* Linnaeus (Celastraceae), *Carpinus caroliniana* Walter (Corylaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Cladrastis lutea* (Michaux f.) Rafinesque-Schmaltz, *Wisteria* sp. (Fabaceae), *Castanea dentata* (Marshall) Borkhausen, *Quercus discolor* Aiton, *Q. rubra* Linnaeus, *Q. velutina* Lamarck (Fagaceae), *Hamamelis virginiana* Linnaeus (Hamamelidaceae), *Carya glabra* (Miller) Sweet, *Juglans nigra* Linnaeus (Juglandaceae), *Sassafras albidum* (Nuttall) Nees (Lauraceae), *Tilia americana* Linnaeus (Malvaceae), *Maclura aurantiaca* Nuttall, *M. pomifera* (Rafinesque) C. Schneider (Moraceae), *Nyssa sylvatica* Marshall (Nyssaceae), *Abies* sp., *Pinus contorta* Douglas ex Loudon, *Tsuga canadensis* (Linnaeus) Carrière (Pinaceae), *Platanus occidentalis* Linnaeus (Platanaceae), *Amelanchier arborea* (Michaux filis) Fernald, *Malus* sp., *Prunus* sp. (Rosaceae), *Citrus sinensis* (Linnaeus) Osbeck (Rutaceae), *Ulmus* sp. (Ulmaceae), *Vitis* sp. (Vitaceae).

Stenocorus villosus Fabricius, 1793: 302; 1801: 311; Schoenherr, 1817: 407; Zimsen, 1964: 173 (types).

Elaphidion villosum; Newman, 1840b: 28; Haldeman, 1847a: 24 (hosts); LeConte, 1850b: 14; Emmons, 1854: 124, pl. 16, fig. 8; LeConte, 1859c: 48 (distr.); Bland, 1861: 94 (distr., hosts);

Horn, 1868: 124 (distr.); Pettitt, 1871: 105 (distr.); LeConte, 1873b: 336 (syn.); Popenoe, 1877: 33 (distr.); Riley, 1880: 239 (hosts); Packard, 1881: 30, fig. 8 (biol.); LeConte & Horn, 1883: 329; Leng, 1885b:33; Clarkson, 1885: 188 (biol.); 1886: 26 (biol.); 1887: 31 (biol.); 1888: 37 (biol.); Townsend, 1886: 12 (biol.); Hamilton, 1888: 38 (biol.); Packard, 1890: 83, fig. 31 (biol.); Caulfield, 1890: 60, figs. 42,43 (biol.); Smith, 1890: 136; Bruner, 1893: 198, fig. 37 (biol.); Chittenden, 1893: 248 (paras.); Bruner, 1894: 183, fig. 27 (biol.); Chittenden, 1894: 96 (biol.); Hamilton, 1895: 338 (distr.); Gahan, 1895: 195; Beutenmuller, 1896: 75 (hosts); Castle & Laurent, 1896: 301 (distr.); Leng & Hamilton, 1896: 166 (syn.); Bogue, 1897: 14, fig. 11 (biol.); Wickham, 1897a: 109, figs 19-21; Kirkland, 1897: 30 (biol.); Chittenden, 1898: 35, fig. 11 (biol.); Lintner, 1898: 314 (biol.); Bruner, 1899: 162, fig. 36 (biol.); Lintner, 1899: 359 (biol.); Lugger, 1899: 109, fig. 120 (biol.); Smith, 1900: 288, figs 126a-k (biol.); Felt, 1900b: 581 (biol.); 1900a: 20, fig. 28 (biol.); Bruner & Hunter, 1901: 73, fig. 11 (biol.); Dury, 1902: 159 (distr.); Ulke, 1903: 26, 50 (distr.); Hopkins, 1904: 34 (biol.); Melander, 1904: 20 (hosts); Herrick, 1904: 31, fig. 18 (biol.); Wickham, 1909a: 28 (distr.); Smith, 1910: 326; Chittenden, 1910: 1, fig. 1 (biol.); Leng, 1910: 77 (distr.). Blatchley, 1910: 1025, fig. 436 (biol.); Forbes, 1911: 312, figs 56, 57 (biol.); Webb, 1911: 355, fig., 28 (biol.); Fisher & Kirk, 1912: 310 (distr.); Slosson, 1912: 172 (distr.); Leng & Mutchler, 1914: 445 (distr.); Johnson 1916: 119 (distr.); Blackman & Ellis, 1916: 65, figs 30,31 (biol.); Morris, 1916: 20 (hosts); Houser, 1918: 327, pl. 70, fig.1 (biol.); Nicolay, 1919: 20 (hosts); Craighead, 1923: 70, pl. 21, fig. 3 (larva); Craighead & Middleton, 1930: 7 (biol.); Beaulne, 1932: 198 (hosts); Knull, 1946: 195; Shenefelt & Benjamin, 1955: 88 (biol.); Alexander, 1958: 46 (distr.); Townes & Townes, 1960: 140 (paras.); Duffy, 1960: 124 (hosts); Dillon & Dillon, 1961: 588, pl. 58, No. 10; Zayas, 1975: 107.

Elaphidion (Elaphidion) villosum; LeConte, 1873a: 183 (syn.)

Hypermallus villosus; Casey, 1912: 301; Britton 1920: 267 (distr.); Blackman & Stage, 1924: 92; Kirk & Knull, 1926: 22 (distr.); Fletcher, 1926: 143 (distr.); Brues, 1927: 76; Leonard, 1928: 435 (distr.); Frost & Dietrich, 1929: 436 (distr.); Knull, 1930a: 85 (hosts); Moznette, Bissell & Adair, 1931: 53, fig. 69; Barrett, 1932: 290 (hosts); Knull, 1934b: 209 (hosts); Herrick, 1935: 165, fig. 175; Britton & Friend, 1935: 307 (biol.); Brimley, 1938: 211 (distr.); Chagnon, 1938: 261; Flint & Farrar, 1940: 40, fig.1 (biol.); Smith *et al.*, 1943: 313; Wray & Brimley, 1943: 130 (distr.); Loding, 1945: 115 (distr.); Craighead, 1950: 245 (biol.); Gibson & Carrillo, 1959: 118 (distr.); Chagnon & Robert, 1962: 261 (distr.).

Anelaphus villosus; Skiles, 1985: 286; Gosling, 1986: 155 (hosts); Chemsak, Linsley & Noguera, 1992: 40 (cat.); MacRae, 1993: 230 (distr., hosts); Monné, M.A., 1993d: 56 (cat.); Lingafelter & Horner, 1993: 172 (distr.); Krinsky & Godwin, 1993: 238; Yanega, 1996: 48, pl. 14, figs 161a,b; Browne & Peck, 1996: 2158 (distr.); Heffern, 1998: 13 (distr.); Peck & Thomas, 1998: 118 (distr.); Schiefer, 1998: 117 (distr.); Vlasák & Vlasakova, 2002: 209 (distr., hosts); Sikes & Webster, 2005: 327 (distr.); Lingafelter, 2007: 57, 144, 2 figs, pl. 13, fig. 1 (hosts); Staines, 2008: 145 (distr.); Guarnieri, 2009: 16 (distr.); McCorquodale, 2010: 468 (distr.); Webster *et al.*, 2012: 316 (distr.); Holt, 2013: 248 (distr., hosts); Steury & MacRae, 2014: 10 (distr.); Vlasák, 2014: 318 (hosts); Devesa, Fonseca & Barro, 2015: 31, 156, 172, figs 1-9; Webster, 2016: 487; Klingeman *et al.*, 2017: 297 (distr.); DiGirolomo & Dodds, 2017: 410 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 46, pl. 4; Lingafelter, 2020:16, figs (syn); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 470

Callidium pulverulentum Olivier, 1795: 69, pl. 8, fig. 101; LeConte, 1851: 106.

Elaphidion pulverulentum; Gahan, 1895: 105; Leng & Mutchler, 1914: 445; Zayas, 1975: 99.

Type locality - Holotype: Amérique Septentrionale. (BMNH).

Stenocorus putator Peck, 1819: 307

Type locality - United States, Massachusetts (depository unknown)

Elaphidion parallelum Newman, 1840: 29; LeConte, 1851: 103; White, 1853: 103; Chevrolat, 1862a: 262 (distr.); Walsh & Riley, 1869: 60; Pettitt, 1871: 105; Riley, 1872: 54 (biol.); Popenoe, 1877: 33 (distr.); Devereaux, 1879: 110 (distr.); Riley, 1880: 239 (hosts); Packard,

1881: 55 (biol.); Leng, 1885: 32, pl. 3, fig. 4; Horn, 1885: 5 (syn.); Townsend, 1886: 12 (biol.); Hamilton, 1887: 143 (biol.); Lintner, 1889: 268 (biol.); Packard, 1890: 89, fig. 32, pl. 17, fig. 1 (biol.); Smith, 1890: 136; Hopkins, 1893: 193; Slossom, 1895: 9 (distr.); Beutenmuller, 1896: 75 (hosts); Wickham, 1897a: 109; 1897b: 156 (distr.); Castle & Laurent, 1897: 8 (distr.); Lintner, 1898: 214 (biol.); Lugger, 1899: 197 (biol.); Smith, 1900: 288 (distr.); Dury, 1902: 159 (distr.); Houghton, 1905: 213 (distr.); Wickham, 1909a: 28 (distr.); Blatchley, 1910: 1026; Chagnon, 1917: 231 (hosts); Alexander, 1958: 46 (distr.); Townes & Townes, 1960: 140 (paras.); 1962: 516 (paras.); Dillon & Dillon, 1961: 588, pl. 58, No. 11.

Hypermallus parallelus; Lacordaire, 1868: 303; Casey, 1912: 304; Leonard, 1928: 435 (distr.); Brimley, 1938: 211 (distr.); Smith *et al.*, 1943: 313, fig. 311; Loding, 1945: 115 (distr.).

Elaphidion (Hypermallus) parallelum; Walsh & Riley, 1869: 187.

Elaphidion (Elaphidion) parallelum; LeConte, 1873a: 183 (syn.).

Elaphidionoides parallelus; Linsley, 1963: 92, fig. 33; Gosling, 1973: 73, fig. 26 (distr.); Kirk & Balsbaugh, 1975: 98 (distr.); Stein & Tigestad, 1976: 13 (distr.); Laliberté, Chantal & LaRochelle, 1977: 92; Gosling, 1978: 1 (larva); Turnbow & Franklin, 1980: 341 (distr.); Gosling, 1984: 71 (hosts); Waters & Hyche, 1984: 285 (distr.); Linsley & Chemsak, 1997: 371 (hosts).

Anelaphus parallelus; Skiles, 1985: 306; Gosling, 1986: 155 (hosts); Chemsak, Linsley & Noguera, 1992: 39 (cat.); MacRae, 1993: 230 (distr., hosts); Lingafelter & Horner, 1993: 172 (distr.); Monné, M.A., 1993d: 54 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Krinsky & Godwin, 1996: 238 (distr.); Yanega, 1996: 48, pl. 14, figs 162A, B; Browne & Peck, 1996: 2158; Peck & Thomas, 1998: 118 (distr.); Schiefer, 1998: 117 (distr.); Vlasák & Vlasakova, 2002: 209 (distr., hosts); MacRae & Rice, 2007: 229 (distr., hosts); Lingafelter, 2007: 57, 144, 2 figs, pl. 13, fig.m (hosts); Webster, McCorquodale & Majka, 2009: 296 (distr.); McCorquodale, 2010: 468 (distr.); Holt, 2013: 248 (distr., hosts); Steury & MacRae, 2014: 10 (distr.); Vlasák, 2014: 118; Webster, 2016: 487; Haack *in* Wang, 2017: w/page fig. 11.1 (biol., hosts); Haack, Keena & Eyre, 2017: 84, 82m fufs 10-11 (biol.); Klingeman *et al.*, 2017: 297 (distr.); DiGirolamo & Dodds, 2017: 410 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 45, pl. 4.

Syntypes localities - Syntypes: United States, Georgia, East Florida, Delaware. (BMNH).

Elaphidion arctum Newman, 1840: 29; LeConte, 1850b: 16; White, 1853: 102; LeConte, 1873b: 336.

Type locality - Holotype: United States, Florida: St. John's Bluff. (BMNH).

Elaphidion pruinatum Guérin-Méneville, 1844: 225; White, 1853: 103; Chevrolat, 1862a: 160 (distr.).

Type locality - Holotype: Amérique Boreale. (MNHN).

Elaphidion rusticum LeConte, 1850b: 14; Melsheimer, 1853: 102 (cat.); White, 1853: 102.

Elaphidionoides rusticus; Linsley, 1963: 96.

Anelaphus rusticus; Monné, M.A., 1993d: 55 (cat.); Monné, M.A. & Hovore, 2006: 63 (checklist);

Syntypes locality - Syntypes male and female: United States. (MCZN).

Elaphidion oblitum LeConte, 1850b: 14; White, 1853: 102.

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

Hypermallus abruptus Casey, 1912: 301; Leonard, 1928: 435 (distr.); Malkin, 1941: 290 (distr.); Lingafelter *et al.*, 2014: 9, fig. 8i (holotype).

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

Hypermallus villosus scuticularis Casey, 1912: 302; Lingafelter *et al.*, 2014: 343, fig. 81w (holotype).

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

Hypermallus lacustris Casey, 1912: 302; Lingafelter *et al.*, 2014: 85, fig. 93i (holotype).

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

Hypermallus brevisculus Casey, 1914: 364; Lingafelter *et al.*, 2014: 34, fig. 34o (holotype).

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

Hypermallus militaris Casey, 1914: 364; Leonard, 1928: 435 (distr.); Lingafelter *et al.*, 2014: 99, fig. 108w (holotype).

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

Anelaphus davisi Skiles, 1985: 308; Chemsak, Linsley & Noguera, 1992: 39 (cat.); Monné, M. A., 1993: 51 (cat.); Monné, M.A. & Hovore, 2006: 61 (checklist); MacRae & Rice, 2007: 229 (distr., hosts); García Morales *et al.*, 2015: 102 (distr.); Bezark, 2018: 46, fig. 12 (distr.).

Type locality - Holotype male: United States, Texas: Jeff Davis County, Davis Mountain Resort, Limpia Canyon. (CASC).

***Anopliomorpha* Linsley, 1936**

Anopliomorpha Linsley, 1936a: 465; 1961b: 42; 1963: 37; Arnett, 1962: 865; Monné, M.A. 1993d: 27 (cat.); Lingafelter, 1998: 52; Lingafelter & Ivie, 2005: 206; Monné, M.A., 2005: 198 (cat.); Monné, M.A. & Hovore, 2006: 64 (checklist); Monné, M.A., 2012: 20.

Type-species - *Periboeum reticolle* Bates, 1885 (original designation).

1. *Anopliomorpha rinconia* (Casey, 1924)

Type locality - Holotype male: United States, Arizona: Rincon Mts. (USNM). **Distribution** - United States (Arizona), Mexico (Baja California, Sonora, Sinaloa). **Host plants** - *Quercus grisea* Liebmann (Fagaceae).

Anoplium rinconium Casey, 1924: 248; Lingafelter *et al.*, 2014: 310, figs 144a, b (holotype).

Anopliomorpha rinconium; Linsley, 1936a: 466, pl. 1, fig. 3; 1942: 44; Linsley, 1963: 37; Gibson & Carrillo, 1959: 118 (distr.); Cope, 1984a: 28 (hosts); Hovore, 1988: 27 (distr.); Chemsak, Linsley & Noguera, 1992: 40 (cat.); Monné, M.A., 1993d: 27 (cat.); Monné, M.A. & Giesbert, 1994: 450 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 344 (hosts); Monné, M.A., 2001a: 66 (cat. hosts); Monné, M.A., 2005: 199 (cat.); Noguera *et al.*, 2009: 87 (distr.); Monné, M.A. & Hovore, 2006: 64 (checklist); Noguera *et al.*, 2017: 5 (distr.).

Anopliomorpha rinconia; Santos-Silva, Botero & Le Tirant, 2018: 194; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

***Anoplocurius* Fisher, 1920**

Anoplocurius Fisher, 1920: 153; Bradley, 1930: 234; Knull, 1942: 224; Arnett, 1962: 866, 884; Linsley, 1963: 120; Monné, M.A. 1993d: 60 (cat.); Lingafelter, 1998: 53; Monné, M.A., 2005: 199 (cat.); Monné, M.A. & Hovore, 2006: 64 (checklist); Monné, M.A., 2012: 20.

Type-species - *Anoplocurius canotiae* Fisher, 1920 (original designation).

1. *Anoplocurius altus* Knull, 1942

Type locality - Holotype male: United States, Texas: Davis Mountains. (FMNH). **Distribution** - United States (Texas, Arizona and New Mexico). **Host plants** - *Quercus* sp. (Fagaceae).

Anoplocurius altus Knull, 1942: 224; Linsley, Knull & Statham, 1961: 17 (distr.); Linsley, 1963: 121; Chemsak, 1977a: 173 (types); Lewis, 1979: 24 (distr.); MacKay, Zak & Hovore, 1987: 364 (distr.); Chemsak, Linsley & Noguera, 1992: 40 (cat.); Monné, M.A., 1993d: 60 (cat.); Monné, M.A. & Giesbert, 1994: 51 (checklist); Linsley & Chemsak, 1997: 344 (hosts); Monné, M.A. & Hovore, 2006: 64 (checklist);

2. *Anoplocurius canotiae* Fisher, 1920

Type locality - Holotype male: United States, Arizona: Cotton City. (USNM). **Distribution** - United States (Arizona) and Mexico (Sonora). **Host plants** - *Berberis harrisoniana* Kearney & Peebles (Berberidaceae), *Canotia holacantha* Torrey (Celastraceae), *Morus celtidifolia* Kunth (Moraceae).

Anoplocurius canotiae Fisher, 1920: 15 (hosts); Gibson & Carrillo, 1959: 118 (distr.); Linsley, 1963: 120, fig. 40; Ruetter, 1970: 18 (paratype); Lewis, 1979: 24 (distr.); Cope, 1984a: 28 (hosts); Chemsak, Linsley & Noguera, 1992: 40 (cat.); Monné, M.A., 1993d: 60 (cat.); Monné, M.A. & Giesbert, 1994: 51 (checklist); Linsley & Chemsak, 1997: 344 (hosts); Lingafelter, 1998: 53, fig. 1972; Monné, M.A. & Hovore, 2006: 64 (checklist); Lingafelter *et*

al., 2014: 36, fig. 37s (holotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

3. *Anoplocurius incompletus* Linsley, 1942

Type locality - Holotype male: Mexico, Baja California: 20 mi N Comondu. (CASC).

Distribution - United States (California), Mexico (Baja California). **Host plants** - *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Anoplocurius incompletus Linsley, 1942: 47, pl. 4, fig. 7; Knull, 1942: 224; Hovore & Giesbert, 1976: 356 (distr.); Chemsak, Linsley & Noguera, 1992: 40 (cat.); Monné, M.A. 1993d: 60(cat.); Monné, M.A. & Giesbert, 1994: 51 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Monné, M.A., 2005: 199 (cat.); Monné, M.A. & Hovore, 2006: 64 (checklist); Swift, 2008a: 2 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

Astromula Chemsak & Linsley, 1965

Astromula Chemsak & Linsley, 1965a: 145; Monné, M.A., 1993d: 60 (cat.); Lingafelter, 1998: 46; Monné, M.A. & Hovore, 2006: 64 (checklist);

Type-species - *Astromula nitidum* Chemsak & Linsley, 1965 (original designation).

1. *Astromula nitidum* Chemsak & Linsley, 1965

Type locality - Holotype male: United States, California: Riverside County, Squaw Tank, Joshua Tree National Monument. (CASC). **Distribution** - United States (Southern California). **Host plants** - *Yucca brevifolia* Engelmann (Agavaceae).

Astromula nitidum Chemsak & Linsley, 1965a: 147, fig. 2; Tyson. 1966: 202 (hosts); Chemsak, 1969c: 81, figs 1-3 (larva, hosts); Chemsak, Linsley & Noguera, 1992: 40 (cat.); Monné, M. A., 1993d: 61 (cat.); Monné, M.A. & Giesbert, 1994: 61 (checklist); Linsley & Chemsak, 1997: 346 (hosts); Lingafelter, 1998: 56, figs 30A, 75; Monné, M.A. & Hovore, 2006: 64 (checklist);

Atylostagma White, 1853

Atylostagma White, 1853: 97; Thomson, 1864: 243; 1865: 451; Lacordaire, 1868: 257; Bates, 1879: 16; 1884: 242; Schaeffer, 1909a: 100; Bradley, 1930: 229; Arnett, 1962: 864, 883; Linsley, 1963: 23; Monné, M.A. 1993d: 21 (cat.); Lingafelter, 1998: 57; Martins, 2005: 140; Monné, M.A., 2005: 201 (cat.); Monné, M.A. & Hovore, 2006: 64 (checklist); Monné, M.A., 2012: 20.

Type-species - *Atylostagma polita* White, 1853 (monotypy).

1. *Atylostagma polita* (White, 1853)

Type locality - Holotype female: Honduras. (BMNH). **Distribution** - Mexico (Tamaulipas, Chiapas, Oaxaca, Sonora, Nuevo León, Jalisco, Sinaloa), Belize, Honduras, Guatemala, Nicaragua, Panama, Colombia, Brazil (São Paulo?). **Host plants** - *Quercus arizonica*, *Q. emoryi* (Fagaceae)

Atylostagma polita White, 1853: 97, pl. 3, fig. 5; Thomson, 1864: 243; Bates, 1879b: 16 (distr.); 1884: 242; Chemsak, Linsley & Mankins, 1980: 30 (distr.); Chemsak, Linsley & Noguera, 1992: 40 (cat.); Monné, M.A., 1993d: 22 (cat.); Noguera & Chemsak, 1996: 398 (cat.); Lingafelter, 1998: 54, fig. 76; Martínez, 2000: 87 (distr.); Turnbow, Cave & Thomas, 2003: 9 (distr.); Martins, 2005a: 141, fig. 140; Monné, M.A., 2005: 201 (cat.); Monné, M.A. & Hovore, 2006: 63 (checklist); Hovore, 2006: 372 (distr.); Swift *et al.*, 2010: 16 (distr.); Maes *et al.*, 2010: 187, 3 figs (distr.); García Morales *et al.*, 2015: 102 (distr.); Noguera & Gutiérrez, 2016: 658 (distr.); Bezark & Lingafelter, 2022: 219, figs 5-8 (syn.)

Atylostagma glabra Schaeffer, 1909a: 99; Linsley, Knull & Statham, 1961b: 11 (distr.); Linsley, 1963: 23, fig. 7; Chemsak, Linsley & Noguera, 1992: 40 (cat.); Monné, M.A. 1993d: 22 (cat.); Monné, M.A. & Giesbert, 1994: 61 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Lingafelter, 1998: 57, fig. 76; Monné, M.A., 2005: 201 (cat.); Monné, M.A. & Hovore, 2006: 64 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

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

***Curtomerus* Stephens, 1839**

Curtomerus Stephens, 1839: 275; Lacordaire, 1868: 351; Arnett, 1962: 864, 882; Linsley, 1963: 4; Villiers, 1980b: 281; Lingafelter, 1998: 60; Monné, M.A. 1993d: 1 (cat.); Martins, 2005: 18; Monné, M.A., 2005: 203 (cat.); Monné, M.A. & Hovore, 2006: 65 (checklist); Sama, 2010: 50 (nomen protectum); Monné, M.A., 2012: 21.

Type-species - *Callidium luteum* Stephens, 1831 (monotypy) [= *Callidium flavum* Fabricius, 1775].

Cylindera Newman, 1833: 509; Schaeffer, 1908: 336; Bradley, 1930: 229; Cazier & Lacey, 1952: 27; Zayas, 1975: 117.

Type-species - *Cylindera pallida* Newman, 1833 (monotypy).

Onchomerus Dejean, 1835: 332; Bousquet & Bouchard, 2013: 87.

Type-species - *Callidium pilicorne* Fabricius, 1793 (monotypy).

Lampromerus Thomson, 1861: 202; 1864: 221; Lacordaire, 1868: 350.

Type-species - *Callidium pilicorne* Fabricius, 1793 (original designation).

Cyrtomerus Gemminger & Harold, 1872: 2836 (incorrect subsequent spelling).

Cylindrodera Gemminger & Harold, 1872: 2911 (emend.).

Sotenus Sharp, 1878: 205.

Type-species - *Sotenus setiger* Sharp, 1878 (monotypy).

1. *Curtomerus fasciatus* (Fisher, 1932)

Type locality - Holotype female: Cuba, Guantánamo. (USNM). **Distribution** - United States (Florida), Cuba.

Cylindera fasciata Fisher, 1932: 49; Zayas, 1975: 117, pl. 15, fig. a; Lingafelter *et al.*, 2014: 59, figs 63o, p (holotype).

Curtomerus fasciatus; Linsley, 1963: 5; Chemsak, Linsley & Noguera, 1992: 41 (cat.); Monné, M.A. 1993d: 2 (cat.); Browne & Peck, 1996: 2158 (distr.); Peck & Thomas, 1998: 118 (distr.); Monné, M.A., 2005: 204 (cat.); Peck, 2005: 169 (distr.); Monné, M.A. & Hovore, 2006: 65 (checklist); Lingafelter, 2007: 87, 145, 2 figs, pl. 21, fig. b; Devesa, Fonseca & Barro, 2015: 31, 154, 176, figs 1-11.

2. *Curtomerus flavus* (Fabricius, 1775)

Syntypes locality - Syntypes male and female: América. (ZMUC). **Distribution** - United States (Florida), Bahamas, Mexico, Honduras, El Salvador, Antigua, Barbados, Barbuda, Cayman, Cuba, Dominica, Granada, Guadeloupe, Hispaniola, Jamaica, La Désirée, Leeward Islands, Les Saints, Martinica, Mona Island, Montserrat, Porto Rico, Saba, St. Christopher, St. Croix, St. Martin, St. Thomas, St. Vincent, Santa Lucía, Virgin Islands, Winward Islands, Venezuela, Guiana, Suriname, French Guiana, Brasil (Pernambuco, Santa Catarina), Japan, Hawaii, Tahiti, Santa Helena, Marquesas, United Kingdom. **Host plants** - *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae), *Cocos* sp. (Arecaceae), *Haematoxylum campechianum* Linnaeus (Caesalpiniaceae), *Casuarina equisetifolia* Linnaeus (Casuarinaceae), *Bucida buceras* Linnaeus, *Conocarpus erectus* Linnaeus (Combretaceae), *Lonchocarpus violaceus* Kunth, *Piscidia piscicula* (Linnaeus) Sargent (Fabaceae), *Xylosma* sp. (Flacourtiaceae), *Acacia decurrens* Willdenow, *Inga* sp., *Leucaena leucocephala* (Lamarck) De Wit *Vachellia farnesiana* (Linnaeus) Wight & Arn. (Mimosaceae), *Myrsine maximowiczii* (Koidzumi) Walker (Myrsinaceae), *Eucalyptus grandis* W. Hill ex Maiden, *Eugenia* sp., *Metrosideros* sp., *Pimenta dioica* (Linnaeus) Merrill, *P. racemosa* (Miller) J.W.Moore, *P. vulgaris* Bello (Myrtaceae), *Coccoloba diversifolia* Jacquin, *C. uvifera* (Linnaeus) Jacquin (Polygonaceae), *Rhaphiolepis wrightiana* Maximowicz (Rosaceae), *Zanthoxylum ailanthoides* Siebold & Zuccarini (Rutaceae), *Sideroxylon foetidissimum* Jacquin (Sapotaceae), *Datura* sp., *Nicotiana trigonophylla* W.S. Dun (Solanaceae), *Avicennia germinans* (Linnaeus) Stearn (Verbenaceae).

Callidium flavum Fabricius, 1775: 191; 1781: 240; Olivier, 1790: 261; Fabricius, 1793: 330; 1801: 344; Schoenherr, 1817: 456; Zimsen, 1964: 180 (type).

Cerambyx (Callidium) flavum; Gmelin, 1790: 1849.

Cylindera flava; Aurivillius, 1912: 120 (cat.); Leng & Mutchler, 1914: 446 (distr.); 1917: 209 (distr.); Wolcott, 1924: 110 (distr.); Gowdey, 1926: 21 (distr.); Aurivillius, 1929: 2 (distr.); Williams, 1931: 225 (distr.); Wolcott, 1936: 261 (biol.); 1941: 99 (hosts); Beatty, 1944: 141 (distr.); Martorell, 1945: 108, 127, 153 (hosts); Ramos, 1946: 42 (distr.); Wolcott, 1948: 338 (biol.); Tucker, 1952: 345 (distr.); Cazier & Lacey, 1952: 27; Duffy, 1953: 188, figs 159, 160 (larva, pupa); Gilmour, 1963: 96; Zayas, 1975: 118, pl. 15, fig. b.

Curtomerus flavus; Duffy, 1960: 138, figs 78, 79 (larva, pupa); Linsley, 1963: 5, fig. 1; Chemsak, 1966a: 212 (distr.); Gilmour, 1968: 143, pl. 14, figs 3, 4; Villiers, 1980a: 131; 1980b: 282, fig. 50; Ivie, 1985: 309 (syn.); Hilburn & Gordon, 1989: 677 (distr.); Chemsak, Linsley & Noguera, 1992: 41 (cat.); Monné, M.A. 1993d: 2 (cat.); Browne, Peck & Ivie, 1993: 43 (distr.); Noguera & Chemsak, 1996: 398 (cat.); Browne & Peck, 1996: 2158, 2160; Lingafelter, 1998: 59, fig. 82; Peck & Thomas, 1998: 18 (distr.); Monné, M.A., 2001a: 66 (cat. hosts); Vitali & Rezbanyai-Reser, 2003: 12, fig. 8, a-b; Turnbow, Cave & Thomas, 2003: 9 (distr.); Morris, 2002: 210 (hosts); Lingafelter & Micheli, 2004: 50 (distr.); Martins, 2005: 21, figs 19-24; Monné, M.A., 2005: 204 (cat.); Chalumeau & Touroult, 2005: 88, fig. 34; Peck, 2005: 169 (distr.); 2006a: 192 (distr.); Monné, M.A. & Hovore, 2006: 65 (checklist); Touroult, 2007: 7 (distr.); Dalens & Touroult, 2007: 292 (distr.); Vitali, 2007: 44 (distr.); Lingafelter, 2007: 81, 145, 2 figs., pl. 19, fig. g (hosts); Perez-Gelabert, 2008: 118 (distr.); Turnbow & Thomas, 2008: 17 (distr.); Peck, 2009: 20 (distr.); 2010: 51 (distr.); 2011a: 36 (distr.); 2011b: 34 (distr., hosts); Micheli, 2010: 104, pl. 22; Machado *et al.*, 2012: 187 (hosts); Thomas, Turnbow & Steiner, 2013: 18 (distr.); Peck, Thomas & Turnbow, 2014: 92 (distr.); Devesa, Fonseca & Barro, 2015: 31, 154, 178, figs 1-10; Peck, 2016: 174, pl. 42 (distr.).

Callidium pilicornis Fabricius, 1793: 327; Olivier, 1795: (70) 68, pl. 8, fig. 99; Fabricius, 1801: 341; Schoenherr, 1817: 452; Zimsen, 1964: 179 (type).

Lampromerus pilicornis; Thomson, 1861: 203; Chevrolat, 1862a: 263; Lacordaire, 1868: 351; Bates, 1885: 267 (distr.); Gundlach, 1894: 329 (distr.).

Cyrtomerus pilicornis; Gemminger & Harold, 1872: 2836 (cat.); Schwarz, 1890: 267 (distr.); Lamere, 1893: 274 (distr.).

Cylindera pilicornis; Gahan, 1895: 108; Schaeffer, 1908: 336.

Curtomerus pilicornis; Duffy, 1953: 246, figs 9, 10 (larva, pupa).

Syntypes locality - Syntypes: America meridionalis insulis. (ZMUC).

Callidium luteum Stephens, 1831: 249

Cyrtomerus luteus; Stephens, 1839: 275.

Syntypes locality - Syntypes: London, West India docks. (BMNH).

Cylindera pallida Newman, 1833: 510.

Type locality - Holotype: London, Camberwell. (BMNH).

Sotenus setiger Sharp, 1878: 205.

Type locality - Holotype male: Oahu. (BMNH).

Ceresium impuncticolle Fairmaire, 1881: 473.

Syntypes locality - Syntypes: Tahiti, Raiatea. (MNHN).

Trinophylum boninense Matsumura & Matsushita, 1932: 72, fig. 5.

Type locality - Holotype female: Japan, Bonin Islands. (EMHU).

Trinophylum barbatum Matsushita & Ohbayashi, 1938: 97.

Type locality - Holotype: Japan, Bonin Islands, Chichijima Island. (EMHU).

Curtomerus subflavus Chemsak, 1966a: 213; Lingafelter *et al.*, 2014: 327, figs 163u, v (holotype).

Type locality - Holotype male: Anguilla, Flat Top Point. (USNM).

***Elaphidion* Audinet-Serville, 1834**

Elaphidion Audinet-Serville, 1834b: 66; Laporte, 1840: 425; Newman, 1840b: 6; Guérin-Méneville, 1844a: 224; LeConte, 1850b: 12; Strauch, 1861: 130; Thomson, 1861: 191; 1864: 235; Lacordaire, 1868: 300; Chenu, 1870: 312; LeConte, 1873a: 182; 1873b: 302; Bates, 1880: 24; LeConte & Horn, 1883: 287; Leng, 1884: 115; 1885c: 31; Casey, 1912: 291, 292;

Bradley, 1930: 232; Dillon & Dillon, 1961: 586; Linsley, 1936a: 463; 1961b: 33; Arnett, 1962: 865, 883; Linsley, 1963: 77; Zayas, 1975: 77; Villiers, 1980b: 284; Monné, M.A. 1993d: 37 (cat.); Lingafelter, 1998: 60; Lingafelter & Ivie, 2005: 205, 206 (checklist spp.); Monné, M.A., 2005: 205 (cat.); Monné, M.A. & Hovore, 2006: 65 (checklist); Ivie & Schwengel-Regala, 2007: 62 (key spp.); Lingafelter, 2008: 376 (key spp. Hispaniola); Monné, M.A., 2012: 21.

Type-species - *Cerambyx spinicornis* Drury, 1773 (subsequent designation, Newman, 1840b: 6).

Elaphidium Agassiz, 1846: 135 (unnecessary emendation).

Cycliopleurus Hope, 1835: 197.

Type-species - *Cerambyx irroratus* Linnaeus, 1767 (original designation).

Centrocerum; Thomson, 1864: 244; 1865: 451 (not Chevrolat, 1861).

1. *Elaphidium clavis* Linsley, 1957

Type locality - Holotype female: United States, Florida: Palmetto Key. (AMNH).

Distribution - United States (Coastal South Carolina to southern Florida).

Elaphidium clavis Linsley, 1957b: 284; 1963: 80; Chemsak, Linsley & Noguera, 1992: 41 (cat.); Monné, M.A., 1993d: 38 (cat.); Monné, M.A. & Giesbert, 1994: 52 (checklist); Browne & Peck, 1996: 2158 (distr.); Peck & Thomas, 1998: 118 (distr.); Monné, M.A. & Hovore, 2006: 65 (checklist);

2. *Elaphidium cryptum* Linsley, 1963

Type locality - Holotype female: United States, Florida: Palmetto Key. (AMNH).

Distribution - United States (Florida), Bahamas (Andros Island). **Host plants** - *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae), *Rhizophora mangle* Linnaeus (Rhizophoraceae).

Elaphidium cryptum Linsley, 1963: 79; Hovore, Penrose & Giesbert, 1978: 96 (biol.); Turnbow & Hovore, 1979: 222 (hosts); Chemsak, Linsley & Noguera, 1992: 41 (cat., distr.); Monné, M.A. 1993d: 39 (cat.); Monné, M.A. & Giesbert, 1994: 52 (checklist); Browne & Peck, 1996: 2158, 2160 (distr.); Linsley & Chemsak, 1997: 369 (hosts); Peck & Thomas, 1998: 118 (distr.); Monné, M.A. & Hovore, 2006: 645 (checklist); Thomas & Turnbow, 2007: 582, fig. 7 (distr.); Lingafelter, 2007: 48, 146, 2 figs, pl. 12, fig. e (hosts); Turnbow & Thomas, 2008: 18 (distr.).

3. *Elaphidium irroratum irroratum* (Linnaeus, 1767)

Type locality - Neotype male: America. (Depository unknown). (Neotype, Guadeloupe, Piton Ste. Rose). (INRA). **Distribution** - United States (Florida), Mexico (Nuevo León), Honduras, Nicaragua, Costa Rica, Cuba, Bahamas, Hispaniola, Puerto Rico, St. Thomas, St. John, Tortola, St. Croix, St. Barthélemy, St. Martin, St. Christopher, Guadeloupe, Curaçao, Bonaire, Guana, St. Kitts. **Host plants** - *Spondias purpurea* Linnaeus (Anacardiaceae), *Laguncularia racemosa* (Linnaeus) Gaertner f. (Combretaceae), *Swietenia mahagani* Jacquin (Meliaceae), *Albizia lebbek* (Linnaeus) Benth (Mimosaceae), *Rhizophora mangle* Linnaeus (Rhizophoraceae), *Avicennia germinans* (Linnaeus) Stearns (Verbenaceae).

Cerambyx irroratus Linnaeus, 1767: 633; Drury, 1773: 92, pl. 41, fig. 3; Gmelin, 1790: 1861; Olivier, 1790: 305; 1795: (67) 45, pl. 21, fig. 163.

Stenocorus irroratus; Fabricius, 1775: 180; 1781: 227; 1787: 143; 1793: 295; 1801: 307.

Elaphidium irroratum; Audinet-Serville, 1834b: 67; Newman, 1840b: 25; Laporte, 1840: 425; LeConte, 1850b: 13; White, 1853: 100; Jacquelin DuVal *in* Sagra, 1857: 266, pl. 10, fig. 7; Chevrolat, 1862a: 258; Chenu, 1870: 312; Bates, 1872: 175 (distr.); LeConte, 1873a: 182; LeConte *in* Schwarz, 1878a: 470 (distr.); Waterhouse, 1878: 303 (distr.); Riley, 1880: 239 (hosts); Bates, 1880: 24 (distr.); 1884: 248 (distr.); Leng, 1885c: 31, 32; Schwarz, 1888: 93 (biol.); Gahan, 1895: 99; Beutenmuller, 1896: 75 (hosts); Wickham, 1898b: 41 (distr.); Klages, 1901: 272, 290 (distr.); Townsend, 1903: 76 (distr.); Blatchley, 1910: 1024 (distr.); Leng & Mutchler, 1914: 445 (distr.); Schwarz *in* Holland, 1917: 341 (distr.); Wolcott, 1924: 109; Gowdey, 1926: 21 (distr.); Kirk & Knoll, 1926: 22 (distr.); Leonard, 1928: 436 (distr.);

Russo, 1930: 142 (distr.); Linsley, 1934c: 108 (distr.); Wolcott, 1936: 260 (distr.); 1941: 99 (distr.); Linsley, 1942: 86; Martorell, 1945: 88, 438 (hosts); Ramos, 1946: 42 (distr.); Knull, 1946: 194; Wolcott, 1948: 336 (distr.); Cazier & Lacey, 1952: 17; Duffy, 1960: 123 (hosts); Linsley, 1963: 83, fig. 30; Gilmour, 1968: 124, 125, pl. 12, figs 1, 2; Chemsak, 1969a: 186 (distr.); Zayas, 1975: 90; Hovore, Penrose & Giesbert, 1978: 96 (hosts); Villiers, 1979: 97; 1980c: 285, fig. 54; Chemsak, Linsley & Mankins, 1980: 30 (distr.); Chemsak, Linsley & Noguera, 1992: 42 (cat.); Browne, Peck & Ivie, 1993: 45 (distr., hosts); Maes *et al.*, 1994: 13 (distr., hosts); Monné, M.A. 1993d: 41 (cat.); Monné, M.A. & Giesbert, 1994: 53 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Ruíz Cancino Chemsak, 1997: 369 (hosts); Maes, 1998: 891 (distr.); Monné, M.A., 2001a: 68 (cat. hosts); & Coronado Blanco, 2002: 102 (distr.); Vitali & Rezbanyai-Reser, 2003: 14, fig. 13, a-b; Turnbow, Cave & Thomas, 2003: 9 (distr.); Lozada Piña, Fernández García & Trujillo Anaya, 2004: 106 (distr.); Lingafelter & Micheli, 2004: 50 (distr.); Peck, 2005: 169 (distr.); Aragón, 2006: 54 (distr.); Hovore, 2006: 372 (distr.); Monné, M.A. & Hovore, 2006: 66 (checklist); Lingafelter, 2007: 48, 146, 2 figs, pl. 12, fig. f (hosts); Ivie & Schwengel-Regala, 2007: 60, fig. 15; Turnbow & Thomas, 2008: 18 (distr.); Fernández García, Favila Castillo & López Iborra 2009: 322 (distr.); Swift *et al.*, 2010: 16 (distr.); Micheli, 2010: 108, pl. 24; Peck, 2011a: 36 (distr., hosts); Peck, Thomas & Turnbow, 2014: 93 (distr.); Peck, 2016: 175, pl. 43 (distr., hosts).

Cycliopleurus irroratus; Hope, 1835: 107.

Stenocorus (Elaphidion) irroratus; Drury & Weswood, 1837: 88, pl. 41, fig. 6.

Cerambyx bidens; Olivier, 1790: 306; 1795: (67) 42, pl. 17, fig. 125 (not Fabricius, 1787).

Elaphidion irroratum irroratum; Chalumeau & Touroult, 2004: 752, fig. 2 (neotype); 2005b: 97, fig. IX; Monné, M.A., 2005: 208 (cat.); Perez-Gelabert, 2008: 118 (distr.); Maes *et al.*, 2010: 189, 2 figs (distr.); Devesa, Fonseca & Barro, 2015: 31, 157, 204, figs 1-9; Le Tirant & Santos-Silva, 2019: 2 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

Elaphidion ordinatum Newman, 1840b: 26.

Type locality - Holotype: Brazil. (BMNH).

Elaphidion tessellatum Newman, 1840b: 26.

Type locality - Holotype: Brazil. (BMNH).

Elaphidion insulare; Gilmour, 1963: 81, pl. 2, fig. 1 (not Newman, 1840).

4. *Elaphidion knulli* Linsley, 1957

Type locality - Holotype male: United States, Florida: Miami. (FMNH). **Distribution** - United States (Florida). **Host plants** - *Avicennia germinans* (Linnaeus) Stearn (Verbenaceae).

Elaphidion knulli Linsley, 1957a: 18; 1963: 79; Chemsak, 1977a: 174 (types); Chemsak, Linsley & Noguera, 1992: 42 (cat.); Monné, M.A., 1993d: 42 (cat.); Monné, M.A. & Giesbert, 1994: 53 (checklist); Browne & Peck, 1996: 2158 (distr.); Peck & Thomas, 1998: 118 (distr.); Morris, 2002: 210 (hosts); Monné, M.A. & Hovore, 2006: 66 (checklist); Lingafelter. 2007: 47, 146.

5. *Elaphidion linsleyi* Knull, 1960

Type locality - Holotype male: United States, Texas: Davis Mts., Jeff Davis County. (FMNH).

Distribution - United States (Texas). **Host plants** - *Rhus virens* var. *choriophylla* (Wootton & Standley) B. L. Turner (Anacardiaceae), *Baccharis neglecta* Nuttall (Asteraceae), *Acacia farnesiana* (Linnaeus) Willdenow (Mimosaceae), *Salix nigra* Marshall (Salicaceae), *Ungnadia speciosa* Endlicher (Sapindaceae).

Elaphidion linsleyi Knull, 1960: 7; Linsley, 1963: 82, fig. 29; Ruetter, 1970: 19 (paratype); Chemsak, 1977a: 174 (types); Turnbow & Wappes, 1981: 76 (hosts); Rice, Turnbow & Hovore, 1985: 19 (hosts); Hovore, Penrose & Neck, 1987: 302 (distr.); Chemsak, Linsley & Noguera, 1992: 42 (cat.); Monné, M.A., 1993d: 42 (cat.); Monné, M.A. & Giesbert, 1994: 53 (checklist); Linsley & Chemsak, 1977a: 370 (hosts); Van Pelt, 2002: 128; Monné, M.A. & Hovore, 2006: 66 (checklist); MacRae & Rice, 2007: 232 (distr., hosts).

6. *Elaphidion mimeticum* Schaeffer, 1905

Type locality - Lectotype: United States, Texas: Brownsville. (USNM). **Distribution** - United States (Texas), Mexico (Jalisco, Tamaulipas, Quintana Roo, Chiapas, Nuevo León), Guatemala, Belize, Honduras. **Host plants** - *Acacia farnesiana* (Linnaeus) Willdenow (Mimosaceae), *Salix nigra* Marshall (Salicaceae).

Elaphidion mineticum Schaeffer, 1905: 132. (error).

Elaphidion mimeticum; Schaeffer, 1908: 329; Linsley, 1935d: 109 (distr.); Vogt, 1949: 141 (distr., hosts); Linsley, 1963: 85; Hovore, Penrose & Neck, 1987: 302 (biol.); Chemsak, Linsley & Noguera, 1992: 42 (cat.); Monné, M.A. 1993d: 43 (cat.); Monné, M.A. & Giesbert, 1994: 53 (checklist); Chemsak & Noguera, 1995: 59 (distr.); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 370 (hosts); Monné, M.A., 2001a: 68 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.); Toledo *et al.*, 2002: 526 (distr.); Turnbow, Cave & Thomas, 2003: 9 (distr.); Monné, M.A., 2005: 209 (cat.); Hovore, 2006: 372 (distr.); Monné, M.A. & Hovore, 2006: 66 (checklist); Vlasák, 2014: 318 (hosts); Lingafelter *et al.*, 2014: 99, figs 109e, f (lect. designation); García Morales *et al.*, 2015: 102 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

Elaphidion mimectium; Linsley & Martin, 1933: 180 (error).

7. *Elaphidion mucronatum* (Say, 1824)

Syntypes locality - Syntypes male and female: United States. (Depository unknown).

Distribution - Eastern Canada and New England to Florida, west to Minnesota, Kansas, and Texas. It is known in Canada only from the Carolinian forest in southern Ontario. **Host plants** - *Acer rubrum* Linnaeus, *A. saccharinum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Rhus* sp., *Toxicodendron radicans* (Linnaeus) Kuntze var. *negundo* (E. Greene) J. L. Reveal (Anacardiaceae), *Asimina triloba* W.S. Dun (Annonaceae), *Chamaerops humilis* Linnaeus, *Sabal* sp. (Arecaceae), *Baccharis halimifolia* Linnaeus (Asteraceae), *Cercis canadensis* Linnaeus, *Gleditschia triacanthos* Linnaeus (Caesalpinaceae), *Celtis reticulata* Torrey (Cannabaceae), *Cornus florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Sesbania drummondii* (Rydberg) Cory, *Wisteria* sp. (Fabaceae), *Castanea* sp., *Fagus ferruginea* Aiton, *Quercus hypoleucoides* A. Camus (Fagaceae), *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Carya* sp., *Juglans nigra* Linnaeus (Juglandaceae), *Sassafras albidum* (Nuttall) Nees (Lauraceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Tilia* sp. (Malvaceae), *Morus rubra* Linnaeus (Moraceae), *Myrica asplenifolia* Linnaeus (Myricaceae), *Nyssa* sp. (Nyssaceae), *Fraxinus* sp. (Oleaceae), *Picea abies* Linnaeus (Pinaceae), *Amelanchier arborea* (Michaux fils) Fernald, *Malus* sp., *Prunus americana* Marshall, *P. serotina* Ehrhart, *Pyrus* sp. (Rosaceae), *Populus* sp., *Salix nigra* Marshall (Salicaceae), *Taxodium distichum* (Linnaeus) Richard (Taxodiaceae), *Ulmus americana* Linnaeus (Ulmaceae), *Vitis* sp. (Vitaceae).

Stenocorus mucronatus Say, 1824: 427; LeConte, 1859c: 201.

Elaphidion mucronatum; Newman, 1840b: 27; Haldeman, 1847a: 33; LeConte. 1850a: 14; White, 1855: 103; LeConte, 1858a: 40 (distr.); 1859c: 48 (distr.); Popenoe, 1877: 33 (distr.); Riley, 1880: 239 (hosts); Packard, 1881: 55 (biol.); Horn, 1885b: 5; Townsend, 1885: 70 (distr.); Leng, 1885c: 31, 32; Townsend, 1889: 233 (distr.); Packard, 1890: 91 (biol.); Caulfield, 1890: 66 (biol.); Smith, 1890: 137; Hopkins, 1893: 193 (biol.); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 75 (hosts); Chittenden, 1898: 42, fig. 14 (biol.); Smith, 1900: 287 (distr.); Dury, 1902: 259 (distr.); Townsend, 1903: 76 (distr.); Ulke, 1903: 26, 50 (distr.); Melander, 1904: 20 (hosts); Felt, 1906: 702 (hosts); Schaeffer, 1908: 329 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 326; Leng, 1910: 77 (distr.); Blatchley, 1910: 1024, fig. 435; Fisher & Kirk, 1912: 310; Dozier, 1918: 334; Britton, 1920: 267 (distr.); Craighead, 1923: 69, pls 8, 10, 14 (larva); Champlain, Kirk & Knull, 1925: 106 (biol.); Kirk & Knull, 1926: 22; Leonard, 1928: 436 (distr.); Frost & Dietrich, 1929: 436 (distr.); Knull, 1930a: 85 (biol.); Hatch & Ortenburger, 1930: 14 (distr.); Beaulne, 1932: 198 (hosts); Goldman, 1933: 88, pl. 5, figs 5-7 (morphol.); Brimley, 1938: 211 (distr.); Hoffmann, 1940: 59 (biol.); Smith, 1943: 313 (biol.); Wray & Brimley, 1943: 130 (distr.); Loding, 1945: 115; Knull, 1946: 194; Craighead, 1950: 246; Duffy, 1953: 185, fig. 155 (larva, hosts); Dillon & Dillon 1961: 587,

pl. 57 No. 12; Linsley, 1963: 81, fig. 30; Baker, 1972: 192 (biol.); Gosling, 1973: 72 (distr.); Stein & Tagestad, 1976: 11 (distr.); Solomon, Doolittle & Spilman, 1976: 290; Turnbow & Franklin, 1980: 341 (distr.); Waters & Hyché, 1984: 285 (distr.); Gosling, 1984: 71 (hosts); Rice, 1985a: 1224 (hosts); Chemsak, Linsley & Noguera, 1992: 42 (cat.); MacRae, 1993: 230 (distr., hosts); Monné, M.A., 1993d: 43 (cat.); Monné, M.A. & Giesbert, 1994: 53 (checklist); Lingafelter & Horner, 1993: 171 (distr.); Browne & Peck, 1996: 2158, 2160 (distr.); Yanega, 1996: 48, pl. 13, fig. 155; Linsley & Chemsak, 1997: 370 (hosts); Peck & Thomas, 1998: 118 (distr.); Lingafelter, 1998: 61; Schiefer, 1998: 117 (distr.); Vlasák & Vlasakova, 2002: 210 (distr., hosts); Morris, 2002: 210 (hosts); Sikes & Webster, 2005: 327 (distr.); Monné, M.A. & Hovore, 2006: 66 (checklist); Lingafelter, 2007: 47, 146, 2 figs, pl. 12, fig. c (hosts); MacRae & Rice, 2007: 232 (distr., hosts); Staines, 2008: 146 (distr.); McDowell, 2011: 412 (biol.); Holt, 2013: 248 (distr., hosts); Steury & MacRae, 2014: 10 (distr.); García Morales *et al.*, 2014: 102 (distr.); Vlasák, 2014: 318 (hosts); Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 44, pl. 3; Millar *et al.*, 2017: 1056 (pherom.).

Elaphidion (Elaphidion) mucronatum; LeConte, 1873a: 182, 184.

Elaphidion nebulosum Guérin-Méneville, 1844a: 255; Thomson, 1878b: 16 (types).

Type locality - Holotype: America septentrionalis. (MNHN).

Elaphidion glabratum Newman, 1840b: 27 (not Fabricius)

Elaphidion muricatum Haldeman, 1847a: 33.

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

Elaphidion mucronatum var. *vestitum* Haldeman, 1847a: 34

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

8. *Elaphidion tectum* LeConte, 1878

Syntypes locality - Syntypes male: United States, Florida: Cedar Keys. (MCZN).

Distribution - United States (Florida). **Host plants** - *Sabal palmetto* (Walter) Schultes & Schultes (Arecaceae), *Baccharis halimifolia* Linnaeus (Asteraceae).

Elaphidion tectum LeConte, 1878b: 414; Lameere, 1883: 14 (cat.); Leng, 1885c: 31; Lepesme, 1947: 520 (hosts); Linsley, 1963: 82; Chemsak, Linsley & Noguera, 1992: 42 (cat.); Monné, M.A. 1993d: 54 (cat.); Monné, M.A., & Giesbert, 1994: 54 (cat.); Peck & Thomas, 1998: 118 (distr.); Monné, M.A. & Hovore, 2006: 66 (checklist); Lingafelter, 2007: 47, 146, 2 figs, pl. 12, fig. d; Vlasák, 2014: 318 (hosts).

Elaphidionopsis Linsley, 1936

Elaphidionopsis Linsley, 1936a: 467; Arnett, 1962: 866, 884; Linsley, 1963: 114; Monné, M.A. 1993d: 58 (cat.); Lingafelter, 1998: 61; Monné, M.A., 2005: 212 (cat.); Monné, M.A. & Hovore, 2006: 65 (checklist); Monné, M.A., 2012: 21.

Type-species - *Elaphidionopsis fasciatipennis* Linsley, 1936 (original designation).

1. *Elaphidionopsis fasciatipennis* Linsley, 1936

Type locality - Holotype female: United States, Texas: Devil's River, near Del Rio. (CASC).

Distribution - United States (Texas), Mexico (Coahuila). **Host plants** - *Dermatophyllum secundiflorum* (Ortega) Gandhi & Revea (Fabaceae), *Celtis reticulata* Torrey (Cannabaceae).

Elaphidionopsis fasciatipennis Linsley, 1936a: 467, pl. 1, fig. 1; 1963: 115; Hovore, Penrose & Neck, 1987: 304 (distr.); Chemsak, Linsley & Noguera, 1992: 43 (cat.); Monné, M.A. 1993d: 58 (cat.); Monné, M.A. & Giesbert, 1994: 54 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Lingafelter, 1998: 59, figs 84, 140; Monné, M.A., 2005: 212 (cat.); Monné, M.A. & Hovore, 2006: 66 (checklist); MacRae & Rice, 2007: 233 (hosts); Heffern, Vlasák & Alten, 2018: 742 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

Enaphalodes Haldeman, 1847

Enaphalodes Haldeman, 1847b: 151; Linsley, 1961b: 36; 1963: 62; Hatch, 1971: 107; Monné, M.A. 1993d: 33 (cat.); Lingafelter, 1998: 62; Lingafelter & Chemsak, 2002: 570 (key spp.);

Monné, M.A., 2005: 212 (cat.); Martins, 2005: 286; Monné, M.A. & Hovore, 2006: 67 (checklist); Monné, M.A., 2012: 21; Bousquet, Laplante, Hammond & Langor, 2017: 43 (key spp.) Lingafelter & Santos-Silva, 2018: 2, 17 (key spp).

Type-species - *Cerambyx pulverulentus* Degeer, 1775 (subsequent designation, Linsley, 1963: 63) [= *Cerambyx atomarius* Drury, 1773].

Romaleum White, 1855: 309; LeConte, 1873b: 302; Bates, 1880: 23; LeConte & Horn, 1883: 287; Leng, 1884: 115; 1885c: 29; Horn in Leng, 1885d: 130; Blatchley, 1910: 1023; Casey, 1912: 291, 297; Bradley, 1930: 233; Linsley, 1936a: 463; Knull, 1946: 192; Arnett, 1962: 865, 883.

Elaphidion (*Romaleum*); LeConte, 1873a: 181.

Type-species - *Romaleum operarium* White, 1855 (monotypy).

Thersalus Pascoe, 1865: 372.

Type-species - *Phacodes bispinosus* Pascoe, 1863 (monotypy).

Hypermallus Lacordaire, 1868: 302.

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

1. *Enaphalodes archboldi* Lingafelter & Chemsak, 2002

Type locality - Holotype female: United States, Florida: Highlands County, Archbold Biological Station. (USNM). **Distribution** - United States (Florida). **Host plants** - *Quercus geminate* Small, *Q. inopina* Ashe, *Q. myrtifolia* Willdenow (Fagaceae);

Enaphalodes archboldi Lingafelter & Chemsak, 2002: 571, 577, figs 1, 2, 3f, 4b, 5a; Monné, M.A. & Hovore, 2006: 67 (checklist); Lingafelter, 2007: 52, 146, 2 figs, pl. 13, fig. d; Lingafelter et al., 2014: 19, fig. 19a (holotype); Lingafelter & Santos-Silva, 2018: 17; Vlasák, 2018: 2, figs 1-19 (hosts).

2. *Enaphalodes atomarius* (Drury, 1773)

Type locality - Type: United States, New York. (Depository unknown). **Distribution** - Atlantic coast from southern Canada to Florida, west to Kansas and Arizona, Mexico (Tamaulipas, Veracruz) Guatemala and Honduras. It is known in Canada from one locality along Lake Ontario. **Host plants** - *Chamaerops* sp., *Sabal palmetto* (Walter) Schultes & Schultes (Arecaceae), *Celtis* sp. (Cannabaceae), *Castanea* sp., *Quercus alba* (Linnaeus), *Q. velutina* Lamarck (Fagaceae), *Carya* sp., *Juglans nigra* Linnaeus (Juglandaceae), *Prunus* sp. (Rosaceae).

Cerambyx atomarius Drury, 1773: 93, pl. 41, fig. 6, index.

Stenochorus atomarius; Schoenherr, 1817: 403.

Elaphidion atomarium; LeConte, 1852: 177; 1858a: 40 (distr.); Bland, 1861: 94 (distr.); Pettit, 1871: 105 (distr.); Popenoe, 1877: 33 (distr.); Riley, 1880: 239 (hosts); Packard, 1881: 55 (biol.); Goldman, 1933: 88, pl. 5, figs 12-14 (biol.).

Hypermallus atomarius; Gemminger & Harold, 1872: 2817 (cat.).

Elaphidion (*Romaleum*) *atomarium*; LeConte, 1873a: 182, 183 (syn.).

Romaleum atomarium; Bates, 1884: 247; Leng, 1885c: 30; Horn, 1886a: 138; Townsend, 1889: 233 (distr.); Caulfield, 1890: 66 (biol.); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 75 (hosts); Wickham, 1897a: 109; Dury, 1902: 159 (distr.); Ulke, 1903: 26 (distr.); Townsend, 1903: 76 (distr.); Hopkins, 1904: 36 (biol.); Schaeffer, 1908: 329; Wickham, 1909a: 28 (distr.); Smith, 1910: 326 (distr.); Blatchley, 1910: 1023; Dow, 1913: 78; Dozier, 1918: 334 (distr.); Nicolay, 1919: 65 (distr.); Craighead, 1923: 68, pl. 10, fig. 2 (larva, pupa); Kirk & Knull, 1926: 22 (distr.); Leonard, 1928: 435 (distr.); Barrett, 1932: 291 (hosts); Beaulne, 1932: 198 (hosts); Brimley, 1938: 211 (distr.); Savely, 1939: 340 (biol.); Loding, 1945: 115 (distr.); Knull, 1946: 192, pl. 1, fig. 9; Dillon & Dillon, 1961: 586, pl. 58 No. 6.

Enaphalodes atomarius; Linsley, Knull & Statham, 1961b: 15 (distr.); Linsley, 1963: 73, fig. 26; Solomon, Newsome & Darwin, 1972: 78 (biol.); Gosling, 1973: 72, fig. 23 (biol., distr.); Chemsak, Linsley & Mankins, 1980: 30 (distr.); Hovore, Penrose & Neck, 1983: 302 (distr.); Monné, M.A. 1993d: 33 (cat.); Monné, M.A. & Giesbert, 1994: 54 (checklist); Linsley & Chemsak, 1997: 372 (hosts); Heffern, 1998: 13 (distr.); Lingafelter & Chemsak, 2002: 578, fig. 3a (syn.); Turnbow, Cave & Thomas, 2003: 9 (distr.); Monné, M.A., 2005: 212 (cat.);

Hovore, 2006: 372 (distr.); Monné, M.A. & Hovore, 2006: 67 (checklist); Lingafelter, 2007: 56, 146, 2 figs, pl. 14, fig. h (hosts); MacRae & Rice, 2007: 233 (hosts); Staines, 2008: 146 (distr.); Guarnieri, 2009: 16 (distr.); Holt, 2013: 248 (distr.); García Morales *et al.*, 2015: 103 (distr.); Heffern, Vlasák & Alten, 2018: 744 (hosts); Bousquet *et al.* 2017: 44, pl 3; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

Stenocorus marylandicus Fabricius, 1775: 179; 1781: 226; 1787: 143; 1793: 294; Zimsen, 1964: 172 (type).

Cerambyx marylandicus Goeze, 1777: 481; Gmelin, 1790: 1859.

Callidium marylandicum; Olivier, 1790: 250; 1795: (70) 6, pl. 1, fig. 5.

Stenocorus marylandicus; Fabricius, 1801: 306 (error).

Elaphidion marylandicum; Dejean, 1835: 327 (cat.); Newman, 1840b: 24; LeConte, 1850b: 13.

Elaphidion marilandicum; Haldeman, 1847a: 32; Haldeman *in* Stansbury, 1852: 178.

Syntypes locality - Syntypes: United States, Maryland. (BMNH).

Cerambyx pulverulentus Degeer, 1775: 118, pl. 14, fig. 12; Gmelin, 1790: 1857.

Elaphidion pulverulentum; White, 1853: 99.

Hypermallus pulverulentus; Lacordaire, 1868: 302.

Type locality – Type: United States, Pennsylvania. (NHRS).

Cerambyx variegatus Goeze, 1777: 481.

Type locality - Holotype: United States, New York. (Depository unknown).

Cerambyx multicolor Gmelin, 1790: 1857.

Type locality - Type: Noveboraco. (Depository unknown).

Phacodes bispinosus Pascoe, 1863: 562.

Thersalus bispinosus; Pascoe, 1865: 372.

Thersalus bispinus; Lacordaire, 1868: 303 (error).

Type locality - Holotype: Australia. (BMNH).

Hypermallus decipiens Bates, 1884: 248.

Elaphidion decipiens; Aurivillius, 1912: 86 (cat.).

Enaphalodes decipiens; Linsley, 1961b: 36; Chemsak, Linsley & Noguera, 1992: 43 (cat.); Noguera & Chemsak, 1996: 398 (cat.).

Type locality - Holotype male: Mexico, Veracruz: Paso del Macho. (BMNH).

Romaleum thoracicum Casey, 1912: 297; Brimley, 1938: 211 (distr.); Lingafelter *et al.*, 2014: 333, figs 170o, p (lect. designation).

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

3. *Enaphalodes cortiphagus* (Craighead, 1923)

Type locality - Lectotype male: United States, Pennsylvania: Charter Oak. (FMNH).

Distribution - Canada, Northeastern United States west to Arizona. It is known in Canada only from the Mixedwood Plains ecozone of southern Quebec and southern Ontario. **Host plants** - *Quercus acuminata* (Michaux) Sargent, *Q. alba* Linnaeus, *Q. prinus* Linnaeus (Fagaceae).

Romaleum cortiphagus Craighead, 1923: 69 (larva, hosts); Champlain, Kirk & Knull, 1925: 105 (hosts); Kirk & Knull, 1926: 22 (distr.); Knull, 1927: 116 (hosts); 1946: 193, pl. 1, fig. 10, pl. 9, fig. 34; Craighead, 1950: 263 (biol.); Beal, Haliburton & Knight, 1952: 70 (biol.); Chemsak, 1977a: 178 (lectotype).

Enaphalodes cortiphagus; Linsley, 1963: 74, fig. 27; Baker, 1972: 181 (biol.); Gosling, 1973: 73 (distr., biol.); Stein & Tagestad, 1976: 14 (distr.); Perry, 1977: 98 (distr.); Arnett, 1985: 363, fig. 24.187; Hovore, Penrose & Neck, 1987: 302; Chemsak, Linsley & Noguera, 1992: 43 (cat.); MacRae, 1993: 229 (distr.); Monné, M.A., 1993d: 34 (cat.); Monné, M.A. & Giesbert, 1994: 54 (checklist); Yanega, 1996: 49, pl.13, fig. 151; Linsley & Chemsak, 1997: 373 (hosts); Burne, 1997: 36 (distr.); Schiefer, 1998: 17 (distr.); Lingafelter & Chemsak, 2002: 557, figs 3c, 4c; Monné, M.A. & Hovore, 2006: 67 (checklist); Lingafelter, 2007: 56, 146, 2 figs, pl. 14, fig. c (hosts); Guarnieri, 2009: 16 (distr.); Spomer, 2014: 300 (distr.); Haack, 2017: 117 (hosts); Klingeman *et al.*, 2017: 297 (biol., distr.); Bousquet *et al.* 2017: 44, pl 3; Lingafelter & Santos-Silva, 2018: 17.

Romaleum cylindricum Knull, 1927: 116; Chemsak, 1977: 178 (types).

Enaphalodes cylindricus; Linsley, Knull & Statham, 1961: 15 (distr.); Linsley, 1963: 71, fig. 27; Lewis, 1979: 24 (distr.); Chemsak, Linsley & Noguera, 1992: 43 (cat.); Monné, M.A., 1993d: 34 (cat.).

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

4. *Enaphalodes hispicornis* (Linnaeus, 1767)

Type locality - Type: America. (Depository unknown). **Distribution** - United States (Atlantic coast to Idaho and California), Mexico (Sonora, Mexico, Tamaulipas). **Host plants** - *Quercus agrifolia* Née (Fagaceae).

Cerambyx hispicornis Linnaeus, 1767: 634.

Calopus hispicornis; Gmelin, 1790: 1865.

Callidium hispicornis; Olivier, 1790: 250; 1795: (70) 5, pl. 5, fig. 57.

Stenochorus hispicornis; Schoenherr, 1817: 407.

Gnaphalodes spinicornis; Chevrolat, 1861: 248 (error).

Romaleum hispicorne; Aurivillius, 1912: 84 (cat.); Pack, 1930: 219 (distr.); Schaeffer, 1933a: 41 (distr.); Moore, 1937: 87 (distr.); Brimley, 1938: 211 (distr.); Loding, 1945: 115 (distr.); Knowlton & Wood, 1950: 10 (distr.).

Enaphalodes hispicornis; Linsley, Knull & Statham, 1961b: 15; Linsley, 1963: 64, figs 22, 23; Hatch, 1971: 107, pl. 11, fig. 1; Gosling, 1973: 72, fig. 21 (distr.); MacKay, Zak & Hovore, 1987: 363 (hosts); Hovore, Penrose & Neck, 1987: 302 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 43 (cat.); Monné, M.A. 1993d: 35 (cat.); Monné, M.A. & Giesbert, 1994: 54 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Browne & Peck, 1996: 2158 (distr.); Linsley & Chemsak, 1997: 373 (hosts); Peck & Thomas, 1998: 118 (distr.); Schiefer, 1998: 117 (distr.); Monné, M.A., 2001a: 69 (cat. hosts); Lingafelter & Chemsak, 2002: 575, fig. 3d; Monné, M.A., 2005: 214 (cat.); Toledo, 2005b: 416 (distr.); Monné, M.A. & Hovore, 2006: 67 (checklist); Lingafelter, 2007: 52, 146, 2 figs, pl. 13, fig. e (hosts); Swift, 2008a: 3 (hosts); Holt, 2013: 248 (distr.); García Morales *et al.*, 2015: 103 (distr.); Rice, MacRae & Merickel, 2017: 669 (distr.); Bezark 2019: 406 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471; Gimmel *et al.*, 2023: 250 (distr.)

Enaphalodes simplicicollis Haldeman, 1847b: 151; 1847c: 375.

Elaphidion simplicicolle; LeConte, 1850b: 12; White, 1853: 99; Popenoe, 1877: 33 (distr.).

Hypermallus simplicicollis; Gemminger & Harold, 1872: 2818 (cat.).

Romaleum simplicicolle; LeConte, 1873a: 181; Leng, 1885c: 30; Horn *in* Leng, 1885d: 130 (syn.); Aurivillius, 1893: 186; Townsend, 1895: 46 (distr.); Fall, 1901: 144 (distr.); Fall & Cockerell, 1907: 191 (distr.); Smith, 1910: 326 (distr.); Nicolay, 1919: 65 (distr.).

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

Elaphidion pulverulentum; Haldeman, 1847a: 32; LeConte, 1850b: 12 (not Degeer, 1775).

Enaphalodes lecontei Haldeman, 1847b: 151.

Type locality - Type: not stated. (MCZN).

Romaleum operarium White, 1855: 309, pl. 6, fig. 9.

Hypermallus operarius; Gemminger & Harold, 1872: 2818 (cat.).

Elaphidion (Romaleum) operarium; LeConte, 1873a: 183.

Type locality - Holotype: E. Indies ?. (BMNH).

Elaphidion procerum LeConte, 1859b: 88; 1873a: 181; Snow, 1885: 68 (distr.).

Hypermallus procerus; Gemminger & Harold, 1872: 2818 (cat.); Heyne & Taschenberg, 1907: 239, pl. 33, fig. 2.

Romaleum procerum; Leng, 1885c: 30; Aurivillius, 1893: 186.

Romaleum simplicicolle var. *procerum*; Fall & Cockerell, 1907: 191 (distr.).

Romaleum hispicorne var. *procerum*; Aurivillius, 1912: 84 (cat.).

Type locality - Holotype female: United States, Oregon: Umpqua Valley. (MCZN).

5. *Enaphalodes niveitectus* (Schaeffer, 1905)

Syntypes locality - Syntypes male and female: United States, Arizona: Huachuca Mts. (Miller's Canyon). (USNM). **Distribution** - United States (Arizona), northern Mexico (Tamaulipas). **Host plants** - *Quercus arizonica* Sargent, *Q. emoryi* Torrey (Fagaceae).

Romaleum niveitectum Schaeffer, 1905: 160; 1908: 329 (distr.); Lingafelter *et al.*, 2014: 108, figs 119a, b (holotype).

Enaphalodes niveitectus; Linsley, Knull & Statham, 1961b: 15, fig. 4; Linsley, 1963: 69; Cope, 1984a: 29 (hosts); Chemsak, Linsley & Noguera, 1992: 43 (cat.); Monné, M.A. 1993d: 35 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 373 (hosts); Monné, M.A., 2001a: 70 (cat. hosts); Lingafelter & Chemsak, 2002: 575, fig. 3e; Monné, M.A., 2005: 214 (cat.); Toledo, 2005b: 416 (distr.); Monné, M.A. & Hovore, 2006: 67 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

6. *Enaphalodes rufulus* (Haldeman, 1847)

Type locality - Holotype: United States. (MCZN). **Distribution** - Atlantic coast from Southern Canada and Maine to Florida, west to Minnesota, Iowa and Texas. In Canada from the Nova Scotia peninsula, southern Quebec, and southern Ontario. **Host plants** - *Acer rubrum* Linnaeus (Aceraceae), *Quercus alba* Linnaeus, *Q. coccinea* Münchhausen, *Q. imbricaria* Michaux, *Q. laurifolia* Michaux, *Q. palustris* Du Roi, *Q. rubra* Linnaeus, *Q. stellata* Wangenheim, *Q. velutina* Lamarck, *Q. virginiana* Miller (Fagaceae).

Elaphidion rufulum Haldeman, 1847a: 32; LeConte, 1850b: 13; Bland, 1861: 94; Popenoe, 1878: 82 (distr.); Leng, 1885b: 136, pl. 3, fig. 3.

Hypermallus rufulus; Gemminger & Harold, 1872: 2818 (cat.).

Elaphidion (Romaleum) rufulum; LeConte, 1873a: 181.

Romaleum rufulum; Leng, 1885c: 30, pl. 3, fig. 3; Hamilton, 1895: 338 (distr.); Wickham, 1897a: 109; Smith, 1900: 287; Ulke, 1903: 36, 50 (distr.); Felt, 1906: 702; Dury, 1906: 259 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 326; Blatchley, 1910: 1023; Nicolay, 1919: 65 (distr.); Britton, 1920: 267 (distr.); Craighead, 1923: 68, pls 1, 8,15,18-20, 39, 40 (larva, pupa); Kirk & Knull, 1926: 22; Leonard, 1928: 435 (distr.); Craighead & Middleton, 1930: 8 (biol.); Beaulne, 1932: 198 (hosts); Schaeffer, 1933a: 41 (syn.); Sheppard, 1936: 75 (distr.); Brimley, 1938: 211 (distr.); Loding, 1945: 115 (distr.); Knull, 1946: 192, 193; Sherman, 1946: 126 (distr.); Craighead, 1950: 263, fig. 54A (biol.); Beal, Haliburton & Knight, 1952: 70 (biol.); Duffy, 1953: 185 (larva, pupa); Hickin, 1958: 233 (biol.); Alexander, 1958: 50 (distr.); Dillon & Dillon, 1961: 586, pl. 58. No. 8; Hay, 1962: 1 (biol.); Galford, 1969: 1 (biol.).

Enaphalodes rufulus; Linsley, 1963: 69, fig. 25; Hay, 1968: 255, 258; 1969: 125 (biol.); Donley, Hay & Burns, 1969: 17 (biol.); Hay, 1972a: 1243 (biol.); 1972b: 1421 (pred.); Baker, 1972: 180, fig. 56 (biol.); Solomon, Newsome & Darwin, 1972: 78 (biol.); Gosling, 1973: 72 (biol. distr.); Hay, 1974: 281 (biol.); Galford, 1974: 709 (biol.); 1975: 1 (biol.); 1977a: 1 (biol.); Donley, 1977: 496 (biol.); Solomon, 1977: 297 (biol.); Turnbow & Franklin, 1980: 341 (distr.); Galford, 1983: 7 (biol.); Rice, 1983: 1 (hosts); Donley & Rast, 1984: 41 (biol.); Hovore, Penrose & Neck, 1987: 302 (distr.); Chemsak, Linsley & Noguera, 1992: 43 (cat.); MacRae, 1993: 229 (distr.); Monné, M.A., 1993d: 36 (cat.); Monné, M.A. & Giesbert, 1994: 54 (checklist); Browne & Peck, 1996: 2158 (distr.); Yanega, 1996: 49, pl. 13, fig. 152; Linsley & Chemsak, 1997: 373 (hosts); Peck & Thomas, 1998: 118 (distr.); Schiefer, 1998: 117 (distr.); Vlasák & Vlasakova, 2002: 210 (distr., hosts); Lingafelter & Chemsak, 2002: 578, 579, figs 3g, 4f, 5b; Fierke *et al.*, 2005: 184 (hosts); Ware & Stephen, 2006: 443 (biol.); Kelley *et al.*, 2006: 251 (biol.); Monné, M.A. & Hovore, 2006: 67 (checklist); Guarnieri, 2009: 17 (distr.); Crook *et al.*, 2007: 589; Fierke & Stephen, 2007: 448 (biol.); Lingafelter, 2007: 56, 146, 2 figs, pl. 14 a (hosts); Riggins, Galligan & Stephen, 2009: 426 (biol.); Verble & Stephen, 2009: 304 (biol.); McCorquodale, 2010: 468 (distr.); Haavik, Ayres, Stange & Stephen, 2011: 380; Haavik *et al.*, 2012: 380 (hosts); Haavik *et al.*, 2012: 1311 (biol.); Holt, 2013: 248 (distr.); Steury & MacRae, 2014: 10 (distr., hosts); Haack in Wang, 2017: w/page fig. 11.6 (biol., hosts); Haack, 2017: 110 (biol.); Haack, Keena & Eyre, 2017: 74 (biol.); Bousquet, Laplante, Hammond & Langor, 2017: 44, pl. 3; Klingeman *et al.*, 2017: 297 (distr.); Lingafelter & Santos-Silva, 2018: 17.

Romaleum mancum Casey, 1912: 298; Schaeffer, 1932: 152; Lingafelter *et al.*, 2014: 95, fig. 104o, p (holotype).

Type locality - Holotype male: United States, Rhode Island. (USNM).
Romaleum crinicornis Casey, 1912: 298; Lingafelter et al., 2014: 48, fig. 50k, l (holotype).
Type locality - Holotype female: United States, Texas. (USNM).

7. *Enaphalodes seminitidus* (Horn, 1885)

Type locality - Holotype female: United States, Arizona. (ANSP). **Distribution** - Southwestern United States (Arizona, California), Mexico (Sonora). **Host plants** - *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).
Romaleum seminitidum Horn, 1885d: 130; Fall, 1901: 144 (cat.); Garnett, 1918: 177 (distr.).
Enaphalodes seminitidus; Linsley, 1963: 65, fig. 24; Hovore & Giesbert, 1976: 355 (hosts); Chemsak, Linsley & Noguera, 1992: 43 (cat.); Monné, M.A. 1993d: 36 (cat.); Monné, M.A. & Giesbert, 1994: 54 (checklist); Lingafelter & Chemsak, 2002: 578, figs 3h, 5d; Toledo, 2005b: 417 (distr.); Monné, M.A. & Hovore, 2006: 67 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

8. *Enaphalodes taeniatus* (LeConte, 1854)

Type locality - Holotype female: United States, Texas: between Laredo and Ringgold Barracks. (MCZN). **Distribution** - United States (Southern Texas) and northeastern Mexico (Tamaulipas). **Host plants** - *Citrus sinensis* (Linnaeus) Osbeck (Rutaceae), *Populus deltoides* Bartram ex Marshall, *Salix* sp. (Salicaceae), *Ulmus* sp. (Ulmaceae).
Elaphidion taeniatum LeConte, 1854b: 81; 1858a: 40 (distr.).
Hypermallus taeniatus; Gemminger & Harold, 1872: 2818 (cat.).
Elaphidion (Romaleum) taeniatum; LeConte, 1873a: 182.
Romaleum taeniatum; Leng, 1885c: 30, 31; Schaeffer, 1908: 327, 33 (syn.); Linsley & Martin, 1933: 180 (distr.); Dean 1953: 174 (hosts).
Enaphalodes taeniatus; Linsley, 1963: 68, fig. 24; Manley & French, 1976: 48, fig. 2; Hovore, Penrose & Neck, 1987: 302 (biol.); Chemsak, Linsley & Noguera, 1992: 43 (cat.); Monné, M.A. 1993d: 36 (cat.); Lingafelter & Horner, 1993: 171; Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 373 (hosts); Monné, M.A., 2001a: 70 (cat. hosts); Lingafelter & Chemsak, 2002: 575, fig. 3i; Monné, M.A., 2005: 215 (cat.); Monné, M.A. & Hovore, 2006: 67 (checklist); García Morales et al., 2015: 103 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

Eustromula Cockerell, 1906

Eustroma LeConte, 1873a: 186; 1873b: 302; LeConte & Horn, 1883: 287; Horn in Leng, 1885d: 133; Leng, 1885b: 134.
Eustromula Cockerell, 1906: 242; Bradley, 1930: 232; Linsley, 1936a: 463; 1961b: 33; Arnett, 1962: 865, 883; Linsley, 1963: 76; Monné, M.A. 1993d: 37 (cat.); Lingafelter, 1998: 63; Monné, M.A., 2005: 215 (cat.); Monné, M.A. & Hovore, 2006: 68 (checklist); Monné, M.A., 2012: 21.
Type-species - *Elaphidion validum* LeConte, 1858 (monotypy).

1. *Eustromula validum* (LeConte, 1858)

Syntypes locality - Syntypes: United States, Texas. (MCZN). **Distribution** - Southwestern United States, from Texas to southern California, northern Mexico (Baja California, Tamaulipas). **Host plants** - *Cercidium floridum* Bentham ex Gray, *Parkinsonia aculeata* Linnaeus (Caesalpiniaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Salix nigra* Marshall (Salicaceae).
Elaphidion validum LeConte, 1858b: 82; 1858a: 40 (distr.); 1861: 335 (distr.).
Hypermallus validus; Gemminger & Harold, 1872: 2818 (cat.).
Eustroma validum; LeConte, 1873a: 186; 1873b: 303; LeConte & Horn, 1883: 288; Bates, 1884: 248; Leng, 1885b: 134, pl. 3, fig. 6; Horn, 1894: 338 (distr.); Griffith, 1900: 569 (distr.); Garnett, 1918: 205 (distr.); Craighead, 1923: 69 (larva).

Eustromula validum; Cockerell, 1906: 242; Linsley, 1934d: 59 (distr.); 1936a: 463 (syn.); Moore, 1937: 87 (distr.); Linsley, 1942: 35; Vogt, 1949: 141 (distr.); Chemsak, 1958: 42 (biol.); Linsley, Knull & Statham, 1961b: 15 (distr.); Linsley, 1963: 76, fig. 28; Hovore & Giesbert, 1976: 355 (hosts); Lewis, 1979: 24 (distr.); MacKay, Zak & Hovore, 1987: 363 (hosts); Hovore, Penrose & Neck, 1987: 302 (biol.); Chemsak, Linsley & Noguera, 1992: 43 (cat.); Monné, M.A. 1993d: 37 (cat.); Monné, M.A. & Giesbert, 1994: 55 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 377 (hosts); Lingafelter, 1998: 59, fig. 88; Monné, M.A., 2001a: 70 (cat. hosts); Monné, M.A., 2005: 216 (cat.); Monné, M.A. & Hovore, 2006: 68 (checklist); García Morales *et al.*, 2015: 103 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

Anoplium huachucae Casey, 1924: 245; Lingafelter *et al.*, 2014: 77, figs 83q, r (holotype).

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

Anoplium politum Casey, 1924: 246; Lingafelter *et al.*, 2014: 302, figs 134u, v (holotype).

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

***Linsleyonides* Skiles, 1985**

Skiles, 1985 : 216 ; Monné, M.A. 1993d: 47 (cat.); Monné, M.A., 2005: 218 (cat.); Monné, M.A., 2012: 22.

Type-species - *Elaphidion albomaculatum* Champlain & Knull, 1922 (original designation).

1. *Linsleyonides albomaculatus* (Champlain & Knull, 1922)

Type locality - Holotype male: United States, Florida: Miami. (FMNH). **Distribution** - United States (Florida), Cuba, Bahamas.

Elaphidion albomaculatum Champlain & Knull, 1922: 146; Fisher, 1932: 30 (distr.); Zayas, 1975: 78; Chemsak, 1977a: 174 (type).

Elaphidionoides albomaculatum; Linsley, 1963: 87.

Linsleyonides albomaculatus; Skiles, 1985: 316; Chemsak, Linsley & Noguera, 1992: 44 (cat.); Browne, Peck & Ivie, 1993: 48 (distr.); Monné, M.A. 1993d: 47 (cat.); Monné, M.A. & Giesbert, 1994: 55 (checklist); Peck & Thomas, 1998: 118 (distr.); Lingafelter, 1999: 19, fig. 3 (in key); Monné, M.A., 2005: 218 (cat.); Peck, 2005: 170 (distr.); Monné, M.A. & Hovore, 2006: 68 (checklist); Lingafelter, 2007: 48, 147, 2 figs, pl. 12, fig. g; Turnbow & Thomas, 2008: 20 (distr.); Devesa, Fonseca & Barro, 2015: 31, 155, 230, figs 1-8.

***Micraneflus* Linsley, 1957**

Micraneflus Linsley, 1957b: 284; Arnett, 1962: 865, 883; Linsley, 1963: 60; Monné, M.A. 1993d: 32 (cat.); Lingafelter, 1998: 70; Monné, M.A., 2005: 223 (cat.); Monné, M.A., 2012: 22; Monné, M.A. & Hovore, 2006: 69 (checklist);

Type-species - *Aneflomorpha imbellis* Casey, 1914 (original designation).

1. *Micraneflus imbellis* (Casey, 1914)

Type locality - Holotype male: United States, California: San Diego. (USNM). **Distribution** - United States (Arizona and southern California), Mexico (Baja California).

Aneflomorpha imbellis Casey, 1914: 363; Linsley, 1936a: 474; Moore, 1937: 88 (distr.); Linsley, 1942: 37 (distr.); Lingafelter *et al.*, 2014: 78, figs 85i, j (holotype).

Micraneflus imbellis; Linsley, 1957b: 284; 1963: 60, figs 15, 20; Hovore, 1988: 9 (distr.); Chemsak, Linsley & Noguera, 1992: 44 (cat.); Monné, M.A. 1993d: 33 (cat.); Monné, M.A. & Giesbert, 1994: 56 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Lingafelter, 1998: 66, fig. 97; Monné, M.A., 2005: 223 (cat.); Monné, M.A. & Hovore, 2006: 69 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 471

***Micranoplium* Linsley, 1957**

Micranoplium Linsley, 1957a: 18; Arnett, 1962: 866; Linsley, 1963: 113; Monné, M.A. 1993d: 58 (cat.); Lingafelter, 1998: 70; Monné, M.A. & Hovore, 2006: 69 (checklist);

Type-species - *Anoplium unicolor* Haldeman. 1847 (original designation).

Anoplium Haldeman, 1847a: 34 (part); Lacordaire, 1869: 355; LeConte, 1873b: 303; LeConte & Horn, 1883: 388; Casey, 1912: 292, 305; Linsley, 1936a: 466; Knull, 1946: 196.

1. *Micranoplium unicolor* (Haldeman, 1847)

Type locality - Holotype: United States, Pennsylvania. (MCZN). **Distribution** - United States, atlantic coast from New York to Georgia, west to Ohio.

Anoplium unicolor Haldeman, 1847a: 34; Lacordaire, 1869: 355; Knull, 1946: 196.

Elaphidion unicolor; White, 1853: 104; LeConte & Horn, 1883: 288; Nicolay, 1919: 65 (distr.).

Elaphidion (Elaphidion) unicolor; LeConte, 1873a: 183.

Micranoplium unicolor; Linsley, 1957a: 18; 1963: 114, fig. 14; Gosling, 1973: 73, fig. 29 (distr.); Solomon, Doolittle & Spilman, 1976: 290; Turnbow & Franklin, 1980: 341 (distr.); Chemsak, Linsley & Noguera, 1992: 44 (cat.); Monné, M.A., 1993d: 58 (cat.); Monné, M.A. & Giesbert, 1994: 56 (checklist); MacRae, 1993: 231 (distr.); Yanega, 1996: 49, pl. 14, fig. 159; Peck & Thomas, 1998: 118 (distr.); Lingafelter, 1998: 70, fig. 98; Schiefer, 1998: 117 (distr.); Vlasák & Vlasakova, 2002: 210 (distr.); Sikes & Webster, 2005: 320 (distr.); Rice & Beal, 2006: 257 (distr.); Monné, M.A. & Hovore, 2006: 69 (checklist); Lingafelter, 2007: 80, 147, 2 figs, pl. 19, fig. f; Staines, 2008: 146 (distr.); Guarnieri, 2009: 17 (distr.); Holt, 2013: 248 (distr.); Klingeman *et al.*, 2017: 297 (distr.).

Elaphidion cinerascens LeConte, 1850b: 15; White, 1853: 104; Popenoe, 1877: 33 (distr.); Leng, 1885c: 32; Smith, 1900: 288; Ulke, 1903: 26 (distr.); Smith, 1910: 327; Leng, 1910: 77 (distr.); Slosson, 1912: 372 (distr.); Nicolay, 1919: 66 (distr.).

Elaphidion (Elaphidion) cinerascens; LeConte, 1873a: 183.

Anoplium cinerascens; Casey, 1912: 305; Leonard, 1928: 436 (distr.); Loding, 1933: 148 (distr.).

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

Neaneflus Linsley, 1957

Neaneflus Linsley, 1957a: 19; Arnett, 1962: 865, 883; Linsley, 1963: 27; Monné, M.A. 1993d: 22 (cat.); Lingafelter, 1998: 74; Monné, M.A., 2005: 226 (cat.); Monné, M.A. & Hovore, 2006: 70 (checklist); Monné, M.A., 2012: 23; Lingafelter, 2022: 54

Type-species - *Elaphidion fuchsii* Wickham, 1905 (original designation).

1. *Neaneflus brevispinus* Chemsak, 1962

Type locality - Holotype male: United States, New Mexico: Dona Ana Co. (Pyramid Peak). (LACM). **Distribution** - United States (Southeastern California to western Texas), Mexico (Zacatecas). **Host plants** - *Dalea formosa* Torrey (Fabaceae).

Neaneflus brevispinus Chemsak, 1962: 109; Linsley, 1963: 28; MacKay, Zak & Hovore, 1987: 363 (hosts); Chemsak, Linsley & Noguera, 1992: 45 (cat.); Monné, M.A., 1993d: 22 (cat.); Monné, M.A., & Giesbert, 1994: 57 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 402 (hosts); Monné, M.A., 2001a: 71 (cat. hosts); Monné, M.A., 2005: 226 (cat.); Monné, M.A. & Hovore, 2006: 69 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 472

2. *Neaneflus fuchsii* (Wickham, 1905)

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

Distribution - United States (Southern Utah and Arizona to southeastern California), Mexico (Baja California). **Host plants** - *Lycium cooperi* A. Gray (Solanaceae).

Elaphidion fuchsii Wickham, 1905: 170; Lingafelter *et al.*, 2014: 66, figs 71m, n (holotype).

Aneflus fuchsi; Casey, 1912: 296.

Neaneflus fuchsii; Linsley, 1957a: 20; 1963: 28, fig. 9; Hovore, 1988: 9; Chemsak, Linsley & Noguera, 1992: 45 (cat.); Monné, M.A. 1993d: 22 (cat.); Monné, M.A. & Giesbert, 1994: 57 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Lingafelter, 1998: 71, fig. 103; Monné, M.A. 2001a: 71 (cat. hosts); Monné, M.A., 2005: 226 (cat.); Monné, M.A. & Hovore, 2006: 70 (checklist); Swift, 2008a: 3 (hosts); Heffern, Vlasák & Alten, 2018: 744 (hosts);

Lingafelter, 2022: 56, fig. 18; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 472

3. *Neaneflus opacicornis* (Linsley, 1957)

Type locality - Holotype male: United States, Texas: Cline. (USNM). **Distribution** - United States (Texas, California), Mexico (Zacatecas) **Host plants** - *Dalea formosa* Torrey (Fabaceae), *Guaiacum angustifolium* Engelm. (Zygophyllaceae)

Aneflomorpha opacicornis Linsley, 1957b: 285, 1963: 55; Hovore, Penrose & Neck, 1987: 301 (distr.); Chemsak, Linsley & Noguera, 1992: 38 (cat.); Monné, M.A., 1993d: 30 (cat.); Monné, M.A. & Giesbert, 1994: 48 (checklist); Monné, M.A. & Hovore, 2006: 61 (checklist); Lingafelter *et al.*, 2014: 292, pl. 123m (holotype)

Neaneflus opacicornis; Lingafelter, 2022:55, figs 2d, 6m, 7m, 8l, 9l, 10m, 17

Neaneflus brevispinus Chemsak, 1962b: 109; Linsley, 1963: 28; MacKay, Zak & Hovore, 1987: 363 (hosts); Chemsak, Linsley & Noguera, 1992: 45 (cat.); Monné, M.A. 1993d: 22 (cat.); Monné, M.A. & Giesbert, 1994: 57 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Linsley & Chemsak, 1997: 402 (hosts); Monné, M.A., 2001a: 71 (cat. hosts); Monné, M.A., 2005: 226 (cat.); Monné, M.A. & Hovore, 2006: 70 (checklist);

Type locality - Holotype male: United States, New Mexico: Dona Ana Co. (Pyramid Peak). (LACM)

Orwellion Skiles, 1985

Orwellion Skiles, 1985: 311; Monné, M.A. 1993d: 48 (cat.); Lingafelter, 1998: 79; Monné, M.A., 2005: 230 (cat.); Monné, M.A. & Hovore, 2006: 71 (checklist); Monné, M. A., 2012: 24.

Type-species - *Hypermallus gibbulus* Bates, 1880 (original designation).

Elaphidionoides Linsley, 1963: 86 (*pars*).

1. *Orwellion gibbulum arizonense* (Casey, 1891)

Type locality - Lectotype male: United States, Arizona. (USNM). **Distribution** - United States (southern Arizona and southwestern New Mexico), Mexico (Sonora, Chihuahua). **Host plants** - *Juglans major* (Juglandaceae), *Quercus arizonica* Sargent, *Q. emoryi* Torrey (Fagaceae), *Populus* sp., *Salix* sp. (Salicaceae).

Elaphidion arizonense Casey, 1891: 28; Hamilton *in* Leng & Hamilton, 1896: 166; Linsley, 1936a: 464; Lingafelter *et al.*, 2014: 19, figs 19s, t (lect. designation).

Hypermallus arizonensis; Casey, 1912: 299.

Elaphidionoides arizonensis; Linsley, Knull & Statham, 1961b: 15, fig. 6 (distr., hosts).

Orwellion gibbulum arizonense; Skiles, 1985: 313; Chemsak, Linsley & Noguera, 1992: 45 (cat.); Monné, M.A. 1993d: 49 (cat.); Monné, M.A. & Giesbert, 1994: 58 (checklist); Noguera & Chemsak, 1996: 398 (cat.); Monné, M.A., 2001a: 72 (cat. hosts); Monné, M.A., 2005: 230 (cat.); Ray, Lacey & Hanks, 2006: 545 (pheromones); Monné, M.A. & Hovore, 2006: 71 (checklist); MacRae & Rice, 2007: 241 (hosts); Noguera *et al.*, 2009: 88 (distr.).

Elaphidionoides gibbulus; Linsley & Chemsak, 1997: 370 (hosts).

2. *Orwellion occidentalis* (Giesbert & Hovore, 1976)

Type locality - Holotype male: United States, California: Imperial Co., Laguna Lake. (CASC). **Distribution** - United States (California), Mexico (Baja California Norte, Tamaulipas).

Elaphidionoides occidentalis Giesbert & Hovore, 1976: 95, fig. 1.

Orwellion occidentalis; Skiles, 1985: 312; Hovore, 1988: 27 (distr.); Chemsak, Linsley & Noguera, 1992: 45 (cat.); Monné, M.A. 1993d: 49 (cat.); Monné, M.A. & Giesbert, 1994: 58 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Monné, M.A., 2005: 231 (cat.); Monné, M.A. & Hovore, 2006: 71 (checklist); García Morales *et al.*, 2015: 103 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 472

Parelaphidion Skiles, 1985

Parelaphidion Skiles, 1985: 310; Monné, M.A., 1993d: 47 (cat.); Lingafelter, 1998: 82; Lingafelter & Ivie, 2005: 206; Monné, M.A. & Hovore, 2006: 71 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 45 (key spp.)

Type-species - *Elaphidion aspersum* Haldeman, 1847 (original designation).

1. *Parelaphidion aspersum* (Haldeman, 1847)

Type locality - Holotype: United States. (MCZN). **Distribution** - United States (Atlantic Coast to Iowa & Texas). In Canada from southern Quebec and southern Ontario. **Host plants** - *Betula nigra* Linnaeus (Betulaceae), *Celtis laevigata* var. *texana* (Scheele) Sargent (Cannabaceae), *Quercus prinus* Linnaeus, *Q. velutina* Lamarck (Fagaceae), *Carya glabra* (Miller) Sweet (Juglandaceae), *Populus deltoides* (Salicaceae)

Elaphidion aspersum Haldeman, 1847a: 32.

Elaphidionoides aspersus; Linsley, 1963: 95; Gosling, 1973: 73, fig. 27 (distr., hosts); Hovore, Penrose & Neck, 1987: 303 (distr.); Linsley & Chemsak, 1997: 370 (hosts).

Parelaphidion aspersum; Skiles, 1985: 311; Chemsak, Linsley & Noguera, MacRae, 1993: 230 (distr.); Monné, M.A., 1993d: 47 (cat.); Monné, M.A. & Giesbert, 1994: 59 (checklist); Yanega, 1996: 49, pl. 13, figs 153a, b; Burne, 1997: 36 (distr.); Peck & Thomas, 1998: 118 (distr.); Lingafelter, 1998: 62, figs 12D, 36C, 116; Schiefer, 1998: 117 (distr.); Androw & Keeney, 1999: 3 (distr.); Monné, M.A. & Hovore, 2006: 71 (checklist); MacRae & Rice, 2007: 241 (distr., hosts); Lingafelter, 2007: 55, 149, 2 figs, pl. 13, fig. k (hosts); Holt, 2013: 248 (distr., hosts); Spomer, 2014: 300, fig. 6 (distr.); Klingeman *et al.* 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 45, pl. 4.

Elaphidion vicinum Haldeman, 1847a: 33; LeConte, 1850b: 13; Melsheimer, 1853: 102 (cat.); Bland, 1861: 94 (distr.); Pettit, 1871: 105 (distr.).

Hypermallus vicinus; Gemminger & Harold, 1872: 2818 (cat.).

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

Elaphidion incertum; Haldeman, 1847a: 371 (not Newman, 1840).

Hypermallus incertus; Casey, 1912: 300; 1914: 363 (syn.); Blackman & Stage, 1924: 93 (biol.); Knull, 1932: 62; (not Newman, 1840).

Elaphidion incertum; Knull, 1946: 95 (not Newman, 1840).

Hypermallus flumineus Casey, 1912: 300; Lingafelter *et al.*, 2014: 65, fig. 69m (holotype).

Hypermallus incertus flumineus; Casey, 1924: 244.

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

Hypermallus incertus externus Casey, 1912: 300; Lingafelter *et al.*, 2014: 79, fig. 86k (holotype).

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

Hypermallus compactus Casey, 1914: 364; Lingafelter *et al.*, 2014: 43, fig. 45c (holotype).

Elaphidion compactum; Linsley, 1936a: 464; Vogt, 1949: 141 (distr.).

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

2. *Parelaphidion incertum* (Newman, 1840)

Type locality - Holotype: North America. (BMNH). **Distribution** - This species ranges from Rhode Island to western Nebraska, north to southern Michigan. This species ranges from Rhode Island to western Nebraska, north to southern Michigan, south to southern Texas and northern Florida. Canada? **Host plants** - *Celtis* sp. (Cannabaceae), *Quercus prinus* Linnaeus, *Quercus rubra*, (Fagaceae), *Carya glabra* (Miller) *Carya ovata* (Mill.) *Juglans nigra* Linnaeus, (Juglandaceae), Sweet, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Morus rubra* Linnaeus (Moraceae), *Salix* sp. (Salicaceae). K. Koch, L., and

Elaphidion incertum Newman, 1840b: 28; LeConte, 1850b: 13; Melsheimer, 1853: 102 (cat.); White, 1853: 101; Popenoe, 1877: 33 (distr.); Provancher, 1877: 592; Leng, 1885b: 31; Horn, 1885b: 5; Townsend, 1885: 70 (distr.); Hamilton, 1895: 338 (distr.); Wickham, 1897a: 109; Smith, 1900: 287 (distr.); Dury, 1902: 159 (distr.); Ulke, 1903: 26 (distr.); Schaeffer, 1908: 327 (distr.); Champlain, 1909: 181 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 326 (distr.); Blatchley, 1910: 1024; Fisher & Kirk, 1912: 310; Nicolay, 1919: 65 (distr.); Craighead, 1923: 70 (larva); Beaulne, 1932: 198 (hosts); Linsley, 1936a: 464 (distr.); Vogt,

1949: 141 (biol.); Craighead, 1950: 246 (biol.); Dillon & Dillon, 1961: 587, pl. 58, No. 9; Wray, 1967: 46 (distr.).

Hypermallus incertus; Lacordaire, 1868: 303; Kirk & Knull, 1926: 22 (hosts); Leonard, 1928: 435 (distr.); Linsley & Martin, 1933: 180 (distr.); Brimley, 1938: 211 (distr.).

Elaphidion (Elaphidion) incertum; LeConte, 1873a: 182 (syn.).

Elaphidionoides incertus; Linsley, 1963: 94, fig. 34; Stein & Tjagestad, 1976: 12 (distr.); Turnbow & Franklin, 1980: 341 (distr.); Hovore, Penrose & Neck, 1987: 303 (distr.); Linsley & Chemsak, 1997: 371 (hosts).

Parelapheidion incertum; Skiles, 1985: 311; Chemsak, Linsley & Noguera, 1992: 46 (cat.); MacRae, 1993: 230 (distr.); Lingafelter & Horner, 1993: 171 (distr.); Monné, M.A., 1993d: 47 (cat.); Monné, M.A. & Giesbert, 1994: 49 (checklist); Yanega, 1996: 49, pl. 13, figs 154a, b; Heffern, 1998: 13 (distr.); Peck & Thomas, 1998: 118 (distr.); Schiefer, 1998: 117 (distr.); Monné, M.A. & Hovore, 2006: 71 (checklist); MacRae & Rice, 2007: 241 (distr.); Lingafelter, 2007: 55, 149, 2 figs, pl. 13, fig. j (hosts); Holt, 2013: 248 (distr.); Haack, 2017: 117; Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 45, pl. 4.

Elaphidion neglectum LeConte, 1850b: 13; Melsheimer, 1853: 102 (cat.).

Hypermallus neglectus; Gemminger & Harold, 1872: 2817 (cat.).

Type locality - Holotype female: North America. (MCZN).

Hypermallus brevicornis Casey, 1912: 301; Lingafelter *et al.*, 2014: 32, fig. 33i (holotype).

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

Hypermallus obsolescens Casey, 1924: 244; Lingafelter *et al.*, 2014: 110, fig. 121k (holotype).

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

***Pseudoperiboeum* Linsley, 1935**

Pseudoperiboeum Linsley, 1935a: 77; 1961f: 179; Chemsak & Linsley, 1967cb: 286 (rev.); Monné, M.A. 1993d: 61 (cat.); Lingafelter, 1998: 87; Monné, M.A., 2005: 239 (cat.); Monné, M.A., 2012: 24; Monné, M.A. & Hovore, 2006: 72 (checklist);

Type-species - *Pseudoperiboeum subarmatum* Linsley, 1935 (original designation).

1. *Pseudoperiboeum lengi* (Schaeffer, 1909)

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

Distribution - United States (Arizona), Mexico (Sonora). **Host plants** - *Eysenhardtia polystachya* (Ortega) Sargent (Fabaceae).

Elaphidion (Aneflus) lengi Schaeffer, 1909a: 101.

Aneflomorpha lengi; Casey, 1912: 293; Linsley, 1963: 53.

Pseudoperiboeum lengi; Chemsak & Linsley, 1967b: 287 (syn.); Cope, 1984a: 33 (hosts); Chemsak, Linsley & Noguera, 1992: 46 (cat.); Monné, M.A. 1993d: 61 (cat.); Monné, M.A. & Giesbert, 1994: 60 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Monné, M.A., 2001a: 75 (cat. hosts); Monné, M.A., 2005: 239 (cat.); Monné, M.A. & Hovore, 2006: 72 (checklist); Noguera *et al.*, 2009: 88 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 472

Conosphaerion pullum Knull, 1958a: 185; Linsley, 1963: 8; Chemsak, 1977a: 174 (type).

Type locality - Holotype female: United States, Arizona: 4 mi N of Nogales. (FMNH).

***Psyrassa* Pascoe, 1866**

Psyrassa Pascoe, 1866: 481; Lacordaire, 1868: 322; Bates, 1880: 28; Bradley, 1930: 233; Linsley, 1936a: 468, 478; Knull, 1946: 198; Dillon & Dillon, 1961: 588; Linsley, 1961b: 177; Arnett, 1962: 864, 883; Linsley, 1963: 9; Monné, M.A. 1993d: 10 (cat.); Lingafelter, 1998: 87 (syn.); Monné, M.A., 2005: 240 (cat.); Martins, 2005: 368; Toledo, 2005a: 1 (rev.); Monné, M.A. & Hovore, 2006: 72 (checklist); Monné, M.A., 2012: 24.

Type-species - *Psyrassa basicornis* Pascoe, 1866 (original designation).

Pseudibidion Casey, 1912: 291, 293; Bradley, 1930: 233; Chagnon, 1936: 261; Chagnon & Robert, 1962: 254, 261.

Type species - *Stenocorus unicolor* Randall, 1838 (original designation).
Hemistizocera Linsley, 1961b: 172.

Type-species - *Periboeum cribricolle* Bates, 1885 (original designation).

1. *Psyrassa brevicornis* Linsley, 1934

Type locality - Holotype male: United States, Texas: Brownsville. (CASC). **Distribution** - United States (Texas), Mexico (Nuevo León, Tamaulipas). **Host plants** - *Acacia farnesiana* (Linnaeus) Willdenow, *Pithecellobium flexicaule* (Benth) Coulter (Mimosaceae), *Sapindus saponaria* (Hooker & Arnott) Benson (Sapindaceae).

Psyrassa brevicornis Linsley, 1934a: 164; Vogt, 1949: 142 (distr.); Hovore, Penrose & Neck, 1987: 300 (distr.); Chemsak, Linsley & Noguera, 1992: 46 (cat.); Monné, M.A. 1993d: 11 (cat.); Monné, M.A. & Giesbert, 1994: 60 (checklist); Linsley & Chemsak, 1997: 426 (hosts); Toledo, 2005a: 8, 17, fig. 31; Monné, M.A. & Hovore, 2006: 73 (checklist); García Morales *et al.*, 2015: 103 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 472

Psyrassa sallaei; Linsley & Martin, 1933: 180 (not Bates, 1885).

2. *Psyrassa castanea* Bates, 1880

Type locality - Holotype male: Mexico, Veracruz: Almolonga. (BMNH). **Distribution** - United States (Texas), Mexico (Veracruz, Hidalgo, San Luis Potosí, Tamaulipas). **Host plants** - *Celtis berlandieri* Klotzsch (Cannabaceae), *Leucaena pulverulenta* (Schlechtendal) Benth (Mimosaceae), *Fraxinus* sp. (Oleaceae).

Psyrassa castanea Bates, 1880: 28; 1885: 255, pl. 17, fig. 8; Lameere, 1883: 19 (cat.); Chemsak, 1967b: 79 (lect.); Chemsak, Linsley & Noguera, 1992: 46 (cat.); Monné, M.A. 1993d: 11 (cat.); Monné, M.A. & Giesbert, 1994: 61 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Monné, M.A., 2005: 240 (cat.); Toledo, 2005a: 19, fig. 32 (syn.); Monné, M.A. & Hovore, 2006: 73 (checklist); García Morales *et al.*, 2015: 103 (distr.); Heffern, Vlasák & Alten, 2018: 745 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 472

Psyrassa texana Schaeffer, 1905: 160; 1908: 327 (distr.); Linsley & Martin, 1933: 180 (distr.); Linsley. 1963: 10; Hovore, Penrose & Neck, 1987: 300 (distr.); Chemsak, Linsley & Noguera, 1992: 47 (distr.); Linsley & Chemsak, 1997: 427 (hosts); Monné, M.A. & Hovore, 2006: 72 (checklist); Lingafelter *et al.*, 2014: 332, figs 169s, t (holotype).

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

3. *Psyrassa pertenuis* (Casey, 1924)

Type locality - Holotype male: United States, Florida. (USNM). **Distribution** - Eastern North America from New York to Florida, west to southern Texas. **Host plants** - *Conocarpus erectus* Linnaeus (Combretaceae), *Carya* sp. (Juglandaceae), *Magnolia grandiflora* Linnaeus (Magnoliaceae), *Prunus* sp. (Rosaceae).

Pseudibidion pertenuis Casey, 1924: 248; Knull, 1929: 144 (distr.).

Psyrassa pertenuis; Knull, 1946: 199; Linsley, 1963: 11, fig. 3; Gosling, 1973: 72 (distr.,); Turnbow & Wappes, 1978: 368 (distr.); Turnbow & Franklin, 1980: 342 (distr.); Hovore, Penrose & Neck, 1987: 300 (distr.); Chemsak, Linsley & Noguera, 1992: 47 (cat.); Monné, M.A., 1993d: 12 (cat.); Monné, M.A. & Giesbert, 1994: 61 (checklist); Browne & Peck, 1996: 2158 (distr.); Yanega, 1996: 50, pl. 14, fig. 164; Linsley & Chemsak, 1997: 426 (hosts); Peck & Thomas, 1998: 118 (distr.); Schiefer, 1998: 117 (distr.); Toledo, 2005: 5, 42, fig. 49 (rev.); Monné, M.A. & Hovore, 2006: 723 (checklist); MacRae & Rice, 2007: 242, (distr., hosts); Lingafelter, 2007: 51, 149, 2 figs, pl. 13, fig. b (hosts); Holt, 2013: 248 (distr.); Lingafelter *et al.*, 2014: 297, fig. 130i (holotype); Klingeman *et al.* 2017: 297 (distr.).

Psyrassa pertenuis; Frost, 1969: 95 (distr., error).

4. *Psyrassa sallaei* Bates, 1885

Type locality - Holotype male: Mexico. (BMNH). **Distribution** - United States (Texas), northern Mexico (Nuevo León, San Luis Potosí, Tamaulipas), Nicaragua, Costa Rica

(Guanacaste). **Host plants** - *Cordia boissieri* A. de Candolle (Boraginaceae), *Sapindus saponaria* (Hooker & Arnot) Benson (Sapindaceae).
Psyrassa sallaei Bates, 1885: 255, pl. 18, fig. 11; Linsley, 1963: 13; Turnbow & Wappes, 1978: 368 (distr.); Hovore, Penrose & Neck, 1987: 300 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 47 (cat.); Monné, M.A. 1993d: 32 (cat.); Monné, M.A. & Giesbert, 1994: 61 (checklist); Chemsak & Noguera, 1996: 399 (cat.); Linsley & Chemsak, 1997: 426 (hosts); Monné, M.A., 2001a: 75 (cat. hosts); Monné, M.A., 2005: 242 (cat.); Toledo, 2005a: 47, fig. 52; Monné, M.A. & Hovore, 2006: 73 (checklist); Audureau, 2008: 9 (distr.); Swift *et al.*, 2010: 18 (distr.); Maes *et al.*, 2010: 257, 4 figs (distr.); García Morales *et al.*, 2015: 103 (distr.); Heffern, Botero & Santos-Silva, 2020: 185, fig. 22; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 472
Psyrassa sallei; Schaeffer, 1905: 161; 1908: 327 (distr.); Vogt, 1949: 142 (distr., hosts).

5. *Psyrassa unicolor* (Randall, 1838)

Type locality - Holotype: United States, Massachusetts: Brookline. (MCZN). **Distribution** - Eastern United States to Alabama, west to Texas, Iowa and Minnesota. **Host plants** - *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Fagus grandifolia* Ehrhart, *Quercus ilicifolia*, *Quercus rubra* Linnaeus (Fagaceae), *Carya glabra* (Miller) Sweet, *Juglans nigra* Linnaeus (Juglandaceae), *Morus rubra* Linnaeus (Moraceae) *Prunus* sp. (Rosaceae), *Vitis* sp. (Vitaceae).
Stenocorus unicolor Randall, 1838: 42.
Stizocera unicolor; Haldeman, 1847a: 44.
Elaphidion unicolor; LeConte, 1850b: 15; 1873a: 183, 185; Bland, 1861: 94 (distr.); Pettit, 1871: 105 (distr.); Provancher, 1877: 330 (distr.); Popenoe, 1878: 82 (distr.); Lugger, 1884: 204 (hosts); Leng, 1885c: 32, 33; Horn, *in* Leng, 1885: 133; Hamilton, 1894a: 252 (distr.); Wickham, 1897a: 110; Smith, 1900: 288; Dury, 1902: 159 (distr.); Ulke, 1903: 26 (distr.); Townsend, 1903: 76 (distr.); Felt, 1906: 702; Schaeffer, 1908: 329 (distr.); Davis, 1909b: 96; Smith, 1910: 326 (distr.); Blatchley, 1910: 1026; Fisher & Kirk, 1912: 310 (biol.); Slosson, 1912: 172 (distr.); Johnson, 1916: 119 (distr.); Chagnon, 1917: 231 (hosts); Dozier, 1918: 334 (distr.); Beaulne, 1932: 198 (hosts).
Elaphidion unicolor; Craighead, 1923: 75, pl. 8, fig. 12 (larva).
Psyrassa unicolor; Pascoe, 1866: 482; Schaeffer, 1905: 161; Wickham, 1909a: 28 (distr.); 19099: 402 (distr.); Linsley, 1936a: 478; Knull, 1946: 199, pl. 12, fig. 47; Alexander, 1958: 50 (distr.); Dillon & Dillon, 1961: 589; Townes & Townes, 1962: 503 (paras.); Gosling, 1973: 72 (distr.); Stein & Tigestad, 1976: 33 (distr.); Turnbow & Franklin, 1980: 342 (distr.); Waters & Hyché, 1984: 285 (distr.); White, 1985: 285 (biol.); Chemsak, Linsley & Noguera, 1992: 47 (cat.); Monné, M.A. 1993: 13 (cat.); Monné, M.A. & Giesbert, 1994: 61 (checklist); Lingafelter & Horner, 1993: 169; MacRae, 1993: 229 (distr.); Krinsky & Godwin, 1996: 238; Yanega, 1996: 50, pl. 14, fig. 165; Linsley & Chemsak, 1997: 427 (hosts); Lingafelter, 1998: 87; Schiefer, 1998: 117 (distr.); Vlasák & Vlasakova, 2002: 210 (distr.); Sikes & Webster, 2005: 237 (distr.); Toledo, 2005: 58, fig. 59 (rev.); Monné, M.A. & Hovore, 2006: 73 (checklist); Lingafelter, 2007: 51, 149, 2 figs, pl. 13, fig. a; Guarnieri, 2009: 18 (distr.); Webster, McCorquodale & Majka, 2009: 296 (distr.); McCorquodale, 2010: 468 (distr.); Holt, 2013: 248 (distr.); Steury & MacRae, 2014: 11 (distr.); Webster, 2016: 487; Haack, 2017: 113 (hosts); Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 43, pl. 3; Vlasak & Vlasakova, 2021: 4, 19; Lingafelter, 2022: 7, fig. 4k
Pseudibidion unicolor; Casey, 1912: 291, 293; Champlain, Kirk & Knull, 1925: 106 (biol.); Kirk & Knull, 1926: 23; Leonard, 1928: 436 (distr.); Frost & Dietrich, 1929: 436 (distr.); Barrett, 1932: 291 (hosts); Chagnon, 1938: 261; Brimley, 1938: 211; Loding, 1945: 115; Chagnon & Robert, 1962: 261.
Pseudibion unicolor; Britton, 1920: 267 (error).

Romulus Knull, 1948

Romulus Knull, 1948: 82; Arnett, 1962: 865; Linsley, 1963: 61; Monné, M.A., 1993d: 33; Lingafelter, 1998: 89; Monné, M.A. & Hovore, 2006: 74 (checklist);

Type-species - *Romulus globosus* Knull, 1948 (original designation).

1. *Romulus globosus* Knull, 1948

Type locality - Holotype male: United States, Florida: Coral Gables. (FMNH). **Distribution** - United States (Southern Florida). **Host plants** - *Quercus geminata* Small, *Q. laevis* Walter, *Q. mirtifolia* Willdenow (Fagaceae).

Romulus globosus Knull, 1948: 83, fig. 1; Linsley, 1963: 62, fig. 21; Chemsak, 1977a: 178 (types); Thomas, 1991: 127, 2 figs (distr.); Chemsak, Linsley & Noguera, 1992: 47 (cat.); Monné, M. A., 1993d: 33 (cat.); Monné, M.A. & Giesbert, 1994: 61 (checklist); Browne & Peck, 1996: 2158 (distr.); Peck & Thomas, 1998: 118 (distr.); Lingafelter, 1998: 89, figs. 41D, 126; 2007: 49, 150, 2 figs, pl. 12, fig. h.; Monné, M.A. & Hovore, 2006: 73 (checklist); Vlasák, 2019: 1 (biol., hosts).

Sphaerion Audinet-Serville, 1834

Sphaerion Audinet-Serville, 1834b: 68; Laporte, 1840: 426; Newman, 1840b: 5; Blanchard, 1845: 147; Strauch, 1861: 130; Thomson, 1861: 248; Pascoe, 1866b: 478; Lacordaire, 1868: 315; Bates, 1870: 272; Chenu, 1870: 312; Gounelle, 1907: 240; Williams, 1931: 225; Linsley, 1961b: 169; Zajciw & Ruffinelli, 1962: 34; Napp & Martins, 1982b: 77 (syn.); Monné, M.A. 1993d: 69 (cat.); Lingafelter, 1998: 91; Monné, M.A., 2005: 244 (cat.); Martins, 2005: 100; Monné, M.A. & Hovore, 2006: 73 (checklist); Monné, M.A., 2012: 25.

Sphaerion; Thomson, 1864: 244; 1865: 452 (error).

Type-species - *Sphaerion cyanipenne* Audinet-Serville, 1834 (monotypy).

Cyrtoma Gistel, 1848b: 131 (unjustified new name not in prevailing usage).

1. *Sphaerion exutum* (Newman, 1841)

Type locality - Holotype male: Brazil, Rio de Janeiro. (OXUM). **Distribution** - United States (Texas), Mexico (Chiapas, Yucatan), Nicaragua, Brazil (Pará, Piauí, Bahia, Minas Gerais, Espírito Santo, Rio de Janeiro, São Paulo, Santa Catarina), Bolivia, Argentina and Uruguay. **Host plants** - *Acacia berlandieri* Bentham, *Pithecellobium flexicaule* (Bentham) Coulter (Mimosaceae).

Nephalius exutus Newman, 1841: 93; Pascoe, 1866: 477.

Sphaerion exutum; White, 1853: 106; Gounelle, 1909: 637; Bruch, 1912: 190 (cat.); Bosq, 1947a: 16 (distr.); Prosen, 1947: 323 (distr.); Bosq & Ruffinelli, 1951: 10 (distr.); Linsley, 1961b: 169; Zajciw & Ruffinelli, 1962: 34 (distr.); Giesbert & Hovore, 1976: 98 (distr.); Hovore, Penrose & Neck, 1987: 301 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 47 (cat.); Monné, M.A. 1993d: 70 (cat.); Monné, M.A. & Giesbert, 1994: 61 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Martínez, 2000: 87 (distr.); Monné, M.A., 2001a: 76 (cat. hosts); Di Iorio, Riquelme & Esteban-Durán, 2003: 19 (distr.); Monné, M. A., 2005: 245 (cat.); Martins, 2005: 107, figs 93, 96 (syn.); Monné, M.A., 2006: 170 (cat.); Hovore, 2006: 372 (distr.); Monné, M.A. & Hovore, 2006: 73 (checklist); Monné, M.L., Monné, M.A. & Mermudes, 2009: 10 (distr.); Monné, M.L. *et al.*, 2010: 240 (distr.); Swift *et al.*, 2010: 18 (distr.); Maes *et al.*, 2010: 276, 1 fig. (distr.); Menezes *et al.*, 2012: 51 (distr.); Galileo, Martins & Nascimento, 2014: 397 (distr.); Nascimento & Bravo, 2014: 132 (distr.); Monné, M.A. *et al.*, 2016: 11 (distr.); Lingafelter, Wappes & Ledezma Arias, 2017: 65, 1 fig.; Bezark, 2018: 46 (distr.); Garcia-López & Nascimento, 2020: 6; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 472

Sphaerion ducale Bates, 1870: 272; Zajciw, 1974: 48 (distr.); Napp & Martins, 1982b: 86 (syn.); Monné, M.A., 2005: 245 (cat.).

Type locality - Holotype male: Brazil, Pará: Tapajós. (MNHN).

Nephalius dubius Lane, 1951: 1; Zajciw, 1958: 11 (distr.); 1972a: 51 (distr.); 1974a: 48 (distr.); Julio, Giorgi & Monné, M.A., 2000: 19 (holotype); Monné, M.A. & Monné, M.L., 2016: 14 (holotype).

Type locality - Holotype female: Brazil, São Paulo: Batatais. (MNRJ).

***Stenelaphus* Linsley, 1936**

Stenelaphus Linsley, 1936a: 477; Arnett, 1962: 865, 884; Linsley, 1963: 25; Monné, M.A. 1993d: 22 (cat.); Lingafelter, 1998: 92; Monné, M.A., 2005: 246 (cat.); Monné, M.A. & Hovore, 2006: 74 (checklist); Monné, M.A., 2012: 25.

Type-species - *Elaphidion alienum* LeConte, 1875 (original designation).

1. *Stenelaphus alienus* (LeConte, 1875)

Type locality - Holotype: United States, Arizona. (MCZN). **Distribution** - United States (Arizona), northern Mexico. **Host plants** - *Prosopis juliflora* (Swartz) de Candolle, *Senegalia greggi* (Mimosaceae).

Elaphidion alienum LeConte, 1875: 173; Lameere, 1883: 18 (cat.); Leng, 1885c: 31, 32; Snow, 1906a: 147 (distr.); 1906b: 170 (distr.); Craighead, 1923: 72, pl. 21, fig. 8; pl. 15, fig. 5 (larva).

Stenelaphus alienus; Linsley, 1936a: 477, pl. 1, fig. 2; Linsley, Knull & Statham, 1961b: 13 (distr.); Linsley, 1963: 25, fig. 8; Chemsak, Linsley & Noguera, 1992: 47 (cat.); Monné, M. A., 1993d: 22 (cat.); Monné, M.A. & Giesbert, 1994: 62 (checklist); Linsley & Chemsak, 1997: 434 (hosts); Lingafelter, 1998: 90, fig. 130; Monné, M.A., 2001a: 76 (cat. hosts); Monné, M.A., 2005: 246 (cat.); Monné, M.A. & Hovore, 2006: 74 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 472

***Stenosphenus* Haldeman, 1847**

Stenosphenus Haldeman, 1847a: 39; LeConte, 1873b: 316; Bates, 1880: 65; LeConte & Horn, 1883: 301; Bates, 1885: 312; Horn, 1885a: 177; Leng, 1887: 193; Blatchley, 1910: 1031; Casey, 1912: 346; Bradley, 1930: 230; Linsley, 1936a: 477; Chagnon, 1938: 262; Fisher, 1946: 86 (rev.); Knull, 1946: 198; Linsley, 1961b: 178; Chagnon & Robert, 1962: 255, 262; Arnett, 1962: 858, 864; Linsley, 1963: 14; Zayas, 1975: 159; Giesbert & Chemsak, 1989: 270 (rev.); Monné, M.A. 1993d: 16 (cat.); Lingafelter, 1998: 93; Monné, M.A., 2005: 246 (cat.); Monné, M.A. & Hovore, 2006: 74 (checklist); Monné, M.A., 2012: 25.

Type-species - *Callidium notatum* Olivier, 1795 (monotypy).

Stenosphenus Thomson, 1861: 372; Lacordaire, 1868: 130 (not Haldeman, 1847).

Type-species - *Stenosphenus cribripennis* Thomson, 1861 (monotypy).

Stenosphenopsis Linsley, 1935a: 95; 1961f: 178.

Type-species - *Stenosphenopsis nitidicollis* Linsley, 1935 (original designation).

1. *Stenosphenus beyeri* Schaeffer, 1905

Type locality - Lectotype female: United States, Arizona: Cochise County, Palmerlee. (USNM). **Distribution** - Mountains of southern Arizona and New Mexico. **Host plants** - *Robinia neomexicana* A. Gray (Fabaceae), *Quercus* sp. (Fagaceae), *Juglans nigra* Linnaeus, *J. rupestris* (Engelmann) ex Torrey (Juglandaceae).

Stenosphenus beyeri Schaeffer, 1905: 163; 1908: 330 (distr.); 1911: 125; Fisher, 1946: 91; Linsley, Knull & Statham, 1961: 11 (distr.); Linsley, 1963: 19, fig. 6; Lewis, 1979: 23 (distr.); Giesbert & Chemsak, 1989: 296 (rev.); Chemsak, Linsley & Noguera, 1992: 47 (cat.); Monné, M.A., 1993d: 17 (cat.); Monné, M.A. & Giesbert, 1994: 62 (checklist); Linsley & Chemsak, 1997: 435 (hosts); Monné, M.A. & Hovore, 2006: 74 (checklist); Lingafelter *et al.*, 2014: 27, figs 27 w,x (lectotype).

2. *Stenosphenus debilis* Horn, 1885

Syntypes locality - Syntypes male: United States, Utah. (ANSP). **Distribution** - United States (Utah, Arizona and western California), Baja California and northwestern Mexico (Durango). **Host plants** - *Morus celtidifolia* Kunth (Moraceae), *Populus fremontii* Watson, *Salix* sp. (Salicaceae).

Stenosphenus debilis Horn, 1885a: 179; Leng, 1887: 193, 194; Townsend, 1895: 48; Fisher, 1946: 90; Linsley, 1963: 18, fig. 5; Cope, 1984a: 34 (hosts); Giesbert & Chemsak, 1989: 287 (syn.); Chemsak *et al.*, 1992: 47 (cat.); Monné, M.A. 1993d: 17 (cat.); Monné, M.A. & Giesbert,

1994: 62q (checklist); Noguera & Chemsak, 1996: 399 (cat.); Linsley & Chemsak, 1997: 435 (hosts); Monné, M.A., 2001a: 76 (cat. hosts); Monné, M.A., 2005: 247 (cat.); Monné, M.A. & Hovore, 2006: 74 (checklist); Vlasák, 2014: 318 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 473

Stenosphenus comus Bates, 1892: 169; Chemsak, 1967b: 80 (lect.).

Type locality - Lectotype female: Mexico, Durango: Villa Lerdo. (BMNH).

Stenosphenus pruddeni Casey, 1912: 346; Fisher, 1946: 93; Linsley, 1963: 22; Lingafelter *et al.*, 2014: 303, figs 136q, r (holotype).

Type locality - Holotype female: United States, Arizona: Canyon of the Colorado. (USNM).

Stenosphenus aridus Linsley, 1935b: 166; Fisher, 1946: 88; Linsley, 1963: 23; Linsley & Chemsak, 1997: 435 (hosts).

Type locality - Holotype male: United States, Utah: Zion National Park. (CASC).

Stenosphenus nigricornis Fisher, 1946: 90; Linsley, 1963: 17; Linsley & Chemsak, 1997: 436 (hosts); Lingafelter *et al.*, 2014: 106, figs 117c, d (holotype).

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

3. *Stenosphenus dolosus* Horn, 1885

Syntype locality - Syntypes: United States, southwestern Texas. (ANSP). **Distribution** - United States (southern Texas), Mexico (Coahuila, Nuevo León, Tamaulipas, San Luis Potosí, Veracruz). **Host plants** - *Baccharis halimifolia* Linnaeus (Asteraceae), *Acacia farnesiana* (Linnaeus) Willdenow, *A. rigidula* Benth, *Leucaena* sp., *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Stenosphenus dolosus Horn, 1885a: 179; Leng, 1887: 193, 194; Townsend, 1903: 78 (distr.); Schaeffer, 1908: 328 (distr.); 1911: 125; Linsley & Martin, 1933: 181 (distr.); Fisher, 1946: 91; Vogt, 1949: 175 (distr.); Linsley, 1963: 19, fig. 6; Hovore & Penrose, 1982: 24; Hovore, Penrose & Neck, 1987: 301 (distr., hosts); Giesbert & Chemsak, 1989: 297, fig. 9 (syn.); Chemsak, Linsley & Noguera, 1992: 47 (cat.); Monné, M.A. 1993d: 18 (cat.); Monné, M.A. & Giesbert, 1994: 62 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Linsley & Chemsak, 1997: 436 (hosts); Monné, M.A., 2001a: 77 (cat.); Ruíz Cancino & Coronado Blanco, 2002: 104 (distr.); Monné, M.A., 2005: 248 (cat.); Monné, M.A. & Hovore, 2006: 74 (checklist); MacRae & Rice, 2007: 244 (hosts); García Morales *et al.*, 2015: 103 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 473

Stenosphenus longicollis Casey, 1891: 34; 1912: 347; Fisher, 1946: 93; Linsley, 1963: 15; Lingafelter *et al.*, 2014: 91, figs 100e, f (holotype), Pérez-Flores & Toledo, 2020 : 12

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

Stenosphenus castaneus Casey, 1924: 269; Fisher, 1946: 89; Linsley, 1963: 15; Lingafelter *et al.*, 2014: 38, figs 39g, h (holotype).

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

4. *Stenosphenus lugens* LeConte, 1862

Type locality - Holotype: United States, Texas. (MCZN). **Distribution** - United States (Texas, Lower Rio Grande Valley), Mexico (Nuevo León, San Luis Potosí, Tamaulipas, Veracruz, Oaxaca, Chiapas). **Host plants** - *Celtis lindheimeri* Engelm, *C. pallida* Torrey (Cannabaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *Leucaena pulverulenta* (Schlechtendal) Benth, *Pithecellobium flexicaule* (Benth) Coulter (Mimosaceae), *Zanthoxylum fagara* (Linnaeus) Sargent (Rutaceae).

Stenosphenus lugens LeConte, 1862: 41; Horn, 1885a: 178; 1886b: xii (syn.); Leng, 1887: 193; Schaeffer, 1908: 328 (distr.); 1911: 125; Fisher, 1946: 90; Vogt, 1949: 176 (distr., hosts); Linsley, 1963: 19; Turnbow & Wappes, 1978: 368; Hovore & Penrose, 1982: 24; Hovore, Penrose & Neck, 1987: 300 (distr., hosts); Giesbert & Chemsak, 1989: 279, figs 3, 4; Chemsak, Linsley & Noguera, 1992: 48 (cat.); Monné, M.A. 1993d: 19 (cat.); Monné, M.A. & Giesbert, 1994: 62 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Linsley & Chemsak, 1997: 436 (hosts); Lingafelter, 1998: 90, fig. 131; Monné, M.A., 2001a: 77 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 104 (distr.); Monné, M.A., 2005: 249 (cat.); Monné, M.A. & Hovore, 2006: 74 (checklist); MacRae & Rice, 2007: 244 (biol.); Noguera *et al.*,

2012: 620 (distr.); García Morales *et al.*, 2015: 103 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 473

Stenosphenus hirsutipennis Bates, 1872: 191; 1880: 67; 1885: 313.

Type locality - Holotype: Mexico. (MNHN).

5. *Stenosphenus notatus* (Olivier, 1795)

Type locality - Holotype: United States, New York. (MNHN). **Distribution** - Eastern United States west into southern Texas and central Florida. It is known in Canada from the Mixedwood Plains ecozone of southern Quebec and southern Ontario, as far north as the Quebec City area **Host plants** - *Celtis reticulata* Torrey (Cannabaceae), *Quercus* sp. (Fagaceae), *Carya aquatica* (F. Michaux) Nuttall, *C. cordiformis* (Wangenheim) K. Koch, *C. glabra* (Miller) Sweet, *C. illinoensis* (Wangenheim) K. Koch, *C. laciniosa* (F. Michaux) Loudon, *C. ovata* (Miller) K. Koch, *C. pecan* (Marshall) Engler & Graebner, *C. tomentosa* Nuttall (Juglandaceae).

Callidium notatum Olivier, 1795: 61, pl. 8, fig. 89; Schoenherr, 1817: 459; Newman, 1842: 418.

Stenosphenus notatus; Haldeman, 1847a: 39; 1847c: 372 (syn.); White, 1853: 104; Melsheimer, 1853: 104 (cat.); LeConte, 1873b: 316; Popenoe, 1877: 33 (distr.); Riley, 1880: 239 (hosts); Packard, 1881: 73 (biol.); Moffat, 1882b: 58 (distr.); LeConte & Horn, 1883: 201; Harrington, 1884: 46 (hosts); Horn, 1885a: 178; 1885b: 5; Leng, 1887: 193; Hamilton, 1887: 141 (biol.); 1888: 66 (hosts); Packard, 1890: 288 (biol.); Hamilton, 1891a: 130 (hosts); 1895: 338 (distr.); Beutenmuller, 1896: 76 (hosts); Wickham, 1897a: 149; Smith, 1900: 289 (biol.); Dury, 1902: 160 (distr.); Ulke, 1903: 26, 50 (distr.); Chagnon, 1905: 36 (distr.); Greene, 1909: 330 (distr.); Wickham, 1909a: 28 (distr.); Blatchley, 1910: 1032; Smith, 1910: 328; Chagnon, 1917: 232 (distr.); Nicolay, 1919: 67 (distr.); Britton, 1920: 270 (distr.); Champlain, 1922: 97 (paras.); Craighead, 1923: 72, pl. 15, fig. 8, pl. 21, fig. 6 (larva); Kirk & Knull, 1926: 41 (distr.); Leonard, 1928: 448 (distr.); Ware, 1929: 368 (distr.); Frost & Dietrich, 1929: 436 (distr.); Beaulne, 1932: 203 (hosts); Chagnon, 1938: 262; Brimley, 1938: 216 (distr.); Townes, 1944: 773 (paras.); Loding, 1945: 120 (distr.); Fisher, 1946: 88 (hosts); Linsley, 1961b: 167; Dillon & Dillon, 1961: 589, pl. 58, No.15; Chagnon & Robert, 1962: 262; Linsley, 1963: 16, figs 4,6; Gosling, 1973: 72, fig. 20 (biol., distr.); Laliberté, Chantal & LaRochelle, 1977: 99; Turnbow & Franklin, 1980: 341 (distr.); Waters & Hyche, 1984: 285 (distr.); Gosling, 1984: 73 (hosts); Arnett, 1985: 362, fig. 24.185; Hovore, Penrose & Neck, 1987: 300 (distr.); Giesbert & Chemsak, 1989: 274 (rev., syn.); Chemsak, Linsley & Noguera, 1992: 48 (cat.); MacRae, 1993: 229 (distr.); Monné, M.A., 1993d: 19 (cat.); Monné, M.A. & Giesbert, 1994: 62 (checklist); Lingafelter & Horner, 1993: 170 (distr.); Yanega, 1996: 50, pl. 13, fig. 156; Linsley & Chemsak, 1997: 436 (hosts); Schiefer, 1998: 117 (distr.); Peck & Thomas, 1998: 118 (distr.); Vlasák & Vlasakova, 2002: 210 (distr., hosts); Monné, M.A. & Hovore, 2006: 74 (checklist); MacRae & Rice, 2007: 244 (distr., hosts); Lingafelter, 2007: 51, 150, 2 figs, pl. 13, fig.c (hosts); Holt, 2013: 249 (distr., hosts); Steury & MacRae, 2014: 11 (distr.); Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 43, pl. 3.

Stenosphenus notatus; Alexander, 1958: 50 (distr., error).

Elaphidion notatum; LeConte, 1850b: 12; Bland, 1861: 94 (distr.); Petitt, 1871: 105 (distr.).

Elaphidion deflendum Newman, 1840b: 6, 30.

Type locality - Holotype: United States, Georgia. (BMNH).

Stenosphenus pinorum Casey, 1924: 268; Brimley. 1938: 216 (distr.); Linsley, 1963: 16; Turnbow & Franklin, 1980: 341 (distr.); Lingafelter *et al.*, 2014: 300, fig. 133g (holotype).

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

6. *Stenosphenus sobrius* (Newman, 1840)

Type locality - Holotype male: United States. (BMNH). **Distribution** - Southwestern United States, California, throughout Mexico (Aguascalientes, Baja California, Chiapas, Chihuahua, Coahuila, Distrito Federal, Durango, Guanajuato, Guerrero, Hidalgo, Jalisco, Michoacán, México, Morelos, Nayarit, Nuevo León, Oaxaca, Puebla, San Luis Potosí, Sinaloa, Sonora,

Tamaulipas, Veracruz, Zacatecas) to Guatemala and Honduras. **Host plants** - *Celtis reticulata* Torrey (Cannabaceae), *Robinia neomexicana* A. Gray, (Fabaceae), *Acacia cochliacantha* Humboldt & Bonpland ex Willdenow, *Leucaena diversifolia* (Schlechtendal) Benth., *Mimosa aculeaticarpa* Ortega, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Cercocarpus betuloides* Nuttall (Rosaceae).

Elaphidion sobrium Newman, 1840b: 30; LeConte, 1850b: 15.

Stenosphenus sobrius; White, 1853: 105; Bates, 1880: 66 (distr.); 1885: 312 (distr.); Horn, 1885b: 5; Leng, 1887: 194; Giesbert & Chemsak, 1989: 298, fig. 9; Chemsak, Linsley & Noguera, 1992: 48 (cat.); Monné, M.A. 1993d: 20 (cat.); Monné, M.A. & Giesbert, 1994: 62 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Monné, M.A., 2001a: 78 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 104 (distr.); Van Pelt, 2002: 128 (distr.); Turnbow, Cave & Thomas, 2003: 11 (distr.); Monné, M.A., 2005: 250 (cat.); Hovore, 2006: 372 (distr.); Monné, M.A. & Hovore, 2006: 74 (checklist); MacRae, Bezark & Swift, 2012: 177 (hosts); García Morales *et al.*, 2015: 103 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 473

Stenosphenus sobrinus; Fisher, 1946: 94 (error).

Elaphidion amabile Newman, 1841: 112.

Stenosphenus amabilis; White, 1853: 104; Lacordaire, 1869: 130; Bates, 1880: 65 (distr.); 1885: 312 (distr.).

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

Stenosphenus subtilis Bates, 1880: 66; Lameere, 1883: 42 (cat.); Chemsak, 1967b: 80 (lect.).

Type locality - Holotype male: Guatemala, Baja Verapaz: San Jerónimo. (BMNH).

Stenosphenus lepidus Horn, 1885a: 179; Leng, 1887: 193, 194; Casey, 1891: 34; Fall & Cockerell, 1907: 192 (distr.); Schaeffer, 1908: 330 (distr.); 1911: 124; Fisher, 1946: 92; Linsley, Knull & Statham, 1961b: 11 (distr.); Linsley, 1963: 21; Hovore & Giesbert, 1976: 355 (hosts); Linsley & Chemsak, 1997: 436 (hosts).

Syntypes locality - Syntypes: United States, Arizona. (ANSP).

Stenosphenus basicornis Linsley, 1934b: 60; 1942: 45; Fisher, 1946: 92.

Type locality - Holotype male: Mexico, Golfo de California: Isla Tiburón. (CASC).

Stenosphenus arizonicus Linsley, 1935b: 165; Fisher, 1946: 93; Linsley, 1963: 22.

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

Stenosphenus blairi Linsley, 1935a: 94

Type locality - Holotype male: Mexico, Distrito Federal: Tejupilco. (CASC).

Stenosphenus rossi Linsley, 1942: 45, pl. 1, fig. 8; Fisher, 1946: 91; Hovore, 1988: 9 (distr.).

Type locality - Holotype male: Mexico, Baja California: San Domingo. (CASC).

Stenosphenus piceus Knull, 1947a: 253; Linsley, 1963: 21; Chemsak, 1977aa: 178 (type).

Type locality - Holotype male: United States, Texas: Davis and Chisos Mts. (FMNH).

Stenosphenus texanus Knull, 1947a: 254; Linsley, 1963: 22; Hovore & Giesbert, 1976: 355 (hosts); Chemsak, 1977a: 178 (type); MacKay, Zak & Hovore, 1987: 363 (hosts); Linsley & Chemsak, 1997: 436 (hosts).

Type locality - Holotype male: United States, Texas: Davis and Chisos Mts. (FMNH).

***Stizocera* Audinet-Serville, 1834**

Stizocera Audinet-Serville, 1834b: 107; Strauch, 1861: 132; Thomson, 1861: 201; 1864: 246; Gounelle, 1907: 240; 1909a: 642; Williams, 1931: 225; Linsley, 1961b: 171; Zajciw, 1967b: 293 (rev.); Gilmour, 1968: 135 (key spp.); Zayas, 1975: 112; Martins & Napp, 1983: 80 (rev.); Monné, M.A. 1993d: 5 (cat.); Lingafelter, 1998: 93 (syn.); Lingafelter & Ivie, 2005: 206; Monné, M.A., 2005: 251 (cat.); Martins, 2005: 154 (syn.); Monné, M.A., 2006: 170 (cat.); Monné, M.A. & Hovore, 2006: 75 (checklist); Monné, M.A., 2012: 25.

Type-species - *Ibidion* ? *armatum* Audinet-Serville, 1834 (original designation).

Stizocera; Thomson, 1861: 188 (error).

Castiale Pascoe, 1866b: 480; Lacordaire, 1868: 320; Lingafelter, 1998: 57; Monné, M.A., 2005: 201 (cat.).

Type-species - *Castiale viridipennis* Pascoe, 1866 (original designation).

Nesostizocera Linsley, 1961b: 170; Arnett, 1962: 864, 882; Linsley, 1963: 7; Martins & Napp, 1983: 88 (key spp.).

Type-species - *Stizocera floridana* Linsley, 1949 (original designation).

1. *Stizocera floridana* Linsley, 1949

Type locality - Holotype female: United States, Florida: Morco. (AMNH). **Distribution** – United States (Southern Florida). **Host plants** - *Forestiera segregata* var. *segregata* (Jacquin) Klug & Urban (Oleaceae).

Stizocera floridana Linsley, 1949: 154; Lingafelter, 1998: 93; 2007: 50, 150, 2 figs, pl. 12, fig. j (hosts).

Nesostizocera floridana; Linsley, 1963: 7; Hovore, Penrose & Giesbert, 1978: 98 (hosts); Martins & Napp, 1982: 88 (list); Chemsak, Linsley & Noguera, 1992: 45 (cat.); Monné, M.A., 1993d: 4 (cat.); Monné, M.A. & Giesbert, 1994: 57 (checklist); Browne & Peck, 1996: 2158 (distr.); Peck & Thomas, 1998: 118 (distr.); Lingafelter, 1998: 21, figs 6, 12E; Monné, M.A. & Hovore, 2006: 75 (checklist);

EUMICHTHINI Linsley, 1940

Eumichthini Linsley, 1940b: 367 (key), 368; Linsley, 1963: 150; Hatch, 1871: 1090; Monné, M.A., 1993f: 19 (cat.); [incorrect stem formation].

Type genus: *Eumichthus* LeConte, 1873

Type species: *Eumichthus oedipus* LeConte, 1873 by monotypy.

Comment. This family-group name is not properly formed from the stem of the type genus. However, the spelling is in prevailing usage and so is to be maintained (Article 29.5). (Bousquet *et al.*, 2009: 47; Bouchard *et al.*, 2011: 472).

***Eumichthus* LeConte, 1873**

Eumichthus LeConte, 1873a: 190; 1873b: 305; LeConte & Horn, 1883: 291; Leng, 1886: 27; Bradley, 1930: 234; Linsley, 1940b: 368; Arnett, 1962: 867, 885; Linsley, 1963: 151; Hatch, 1971: 109; Monné, M.A., 1993f: 19 (cat.); Monné, M.A. & Hovore, 2006: 77 (checklist);

Type-species - *Eumichthus oedipus* LeConte, 1873 (monotypy).

1. *Eumichthus oedipus* LeConte, 1873

Type locality - Holotype male: Canada, British Columbia: Vancouver Island. (MCZN).

Distribution - Along the Pacific coast from British Columbia, as far north as Haida Gwaii, south to Monterey County in California. **Host plants** - *Pseudotsuga menziesii* (Mirbel) Franco, *Tsuga heterophylla* (Rafinesque) **Sargent** (Pinaceae).

Eumichthus oedipus LeConte, 1873a: 190; 1873b: 306; LeConte & Horn, 1883: 291; Leng, 1885b: 136, pl. 3, fig. 14; 1886: 27; Wickham, 1890: 170 (distr.); Garnett, 1918: 206 (distr.); Hardy & Preece, 1927b: 62 (hosts); 1927a: 188 (distr.); Beaulne, 1932: 198 (hosts); Linsley, 1940b: 369; Hardy, 1944: 15 (distr.); 1950: 18 (distr.); Linsley, 1963: 151, fig. 48 (syn.); Hatch, 1971: 109, pl. 11, fig. 6; Deyrup, 1977: 181 (hosts); Chemsak, Linsley & Noguera, 1992: 56 (cat.); Monné, M.A., 1993f: 19 (cat.); Monné, M.A. & Giesbert, 1994: 86 (checklist); Linsley & Chemsak, 1997: 375 (hosts); Monné, M.A. & Hovore, 2006: 77 (checklist);

Bousquet, Laplante, Hammond & Langor, 2017: 48, pl. 4.

Phymatodes funebris Van Dyke, 1920: 34

Type locality - Holotype: United States, California: Monterey County, Carmel. (CASC).

Eumichthus oedipus var. *ater* Hardy & Preece, 1927a: 188; Ruelle, 1970: 19 (types).

Type locality - Holotype male: Canada, British Columbia: Sydney. (CNCI).

Eumichthus oedipus var. *ruber* Hardy & Preece, 1927a: 188; Ruelle, 1970: 19 (type).

Type locality - Holotype male: Canada, British Columbia: Sudney. (CNCI).

Phymatodes malkini Fisher, 1942: 51; Lingafelter *et al.*, 2014: 95, fig. 104 m (holotype).

Type locality - Holotype male: United States, Oregon: Eugene, On the slope of Baldy Mountains (Coburg Hills), 5 miles Northeast of Eugene. (USNM).

***Poecilobrium* Horn in LeConte & Horn, 1883**

Callimus LeConte, 1873b: 305 (not Mulsant. 1846).

Poecilobrium Horn in LeConte & Horn, 1883: 291; Horn, 1883a: 289; 1883b: xi; Leng, 1886: 27; Casey, 1924: 260; Bradley, 1930: 237; Linsley, 1940b: 369; Arnett, 1962: 867, 885; Linsley, 1963: 152; Hatch, 1971: 109; Monné, M.A., 1993f: 20 (cat.); Monné, M.A. & Hovore, 2006: 77 (checklist);

Type-species - *Callimus chalybeus* LeConte, 1873 (original designation).

1. *Poecilobrium chalybeum* (LeConte, 1873)

Syntypes locality - Syntypes male: United States, California. (MCZN). **Distribution** - Pacific coast of North America from British Columbia to southern California, and Rocky Mountains south to Colorado. **Host plants** - *Acer* sp. (Aceraceae), *Rhus* sp. (Anacardiaceae), *Celastrus scandens* Linnaeus (Celastraceae), *Quercus* sp. (Fagaceae), *Ceanothus thyrsiflorus* Eschscholtz (Rhamnaceae), *Amelanchier alnifolia* Nuttall, *Cercocarpus montanus* Rafinesque, *Prunus emarginata* Walp (Rosaceae).

Callimus chalybeus LeConte, 1873a: 189; 1873b: 306; Horn, 1875: 150; LeConte, 1879: 505

Poecilobrium chalybaeum; Horn, 1883a: 289; 1883b: xi (distr.); LeConte & Horn, 1883: 291; Leng, 1885b: 136, pl. 3, fig. 13; 1886: 27; Fall, 1901: 145 (distr.); Garnett, 1918: 206 (distr.); Hopping, 1931: 234; Moore, 1937: 107 (distr.); Linsley, 1938: 107 (syn.); Leech, 1947: 105 (distr.); 1955: 40 (hosts); Linsley, 1963: 162; Hatch, 1971: 109; Hovore & Giesbert, 1976: 365 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 56 (cat.); Monné, M.A., 1993f: 20 (cat.); Monné, M.A. & Giesbert, 1994: 86 (checklist); Linsley & Chemsak, 1997: 422 (hosts); Heffern, 1998: 13 (distr.); Monné, M.A. & Hovore, 2006: 77 (checklist); MacRae & Rice, 2007: 242 (distr.); Rice, MacRae & Merickel, 2017: 670 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 48, pl. 5.

Poecilobrium rugosipenne Linell, 1897: 395; Garnett, 1918: 206 (distr.); Lingafelter *et al.*, 2014: 313., fig. 147o (holotype).

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

Poecilobrium minutum Casey, 1924: 261; Lingafelter *et al.*, 2014: 100, fig. 110o (holotype).

Type locality - Holotype female: United States, California: Eldorado County. (USNM).

Poecilobrium gibsoni Hopping, 1931: 234; Ruetter, 1970: 21 (type).

Type locality - Holotype female: Canada, British Columbia: Vernon. (CNCI).

GRACILIINI Mulsant, 1839

Graciliares Mulsant, 1839: 27, 99; 1863: 125, 189.

Graciliae; LeConte, 1873b: 300; LeConte & Horn, 1883: 285.

Graciliini; Aurivillius, 1912: 128 (cat.); Bradley, 1930: 229, 234; Saalas, 1936: 65; Linsley, 1962a: 48; Arnett, 1962: 859, 880; Hatch, 1971: 99; Monné, M.A., 1993f: 9 (cat.); Monné, M.A., 2005: 262 (cat.); Martins & Galileo, 2005: 223 (rev.); Bousquet *et al.*, 2009: 47; Bouchard *et al.*, 2011: 472.

Type-genus: *Gracilia* Audinet-Serville, 1834.

Type-species: *Callidium pygmaeum* Fabricius, 1793 (monotypy).

Gracilia Audinet-Serville, 1834

Gracilia Audinet-Serville, 1834b: 81; Mulsant, 1839: 102; Laporte, 1840: 445; Blanchard, 1845: 153; Haldeman, 1847c: 372 (syn.); LeConte, 1850b: 24; Thomson, 1861: 189; 1864: 223; 1865: 440; Mulsant, 1863: 133, 197; Lacordaire, 1868: 358; Girard, 1873: 731; Leng, 1884: 115; Bradley, 1930: 234; Knoll, 1946: 200; Linsley, 1962a: 49; Arnett, 1962: 862, 880; Monné, M.A., 1993f: 9 (cat.); Monné, M.A., 2005: 262 (cat.); Martins & Galileo, 2005: 228; Monné, M.A. & Hovore, 2006: 77 (checklist)

Type-species - *Callidium pygmaeum* Fabricius, 1793 (monotypy). [= *Saperda minuta* Fabricius, 1781].

Nothrus Haldeman, 1847a: 43.

Type-species - *Nothrus fuscus* Haldeman, 1847 (monotypy).

1. *Gracilia minuta* (Fabricius, 1781)

Syntypes locality - Syntypes: Anglia (BMNH). **Distribution** - Europe, introduced in United States, Argentina (Buenos Aires) and Uruguay. **Host plants** - *Acer* sp. (Aceraceae), *Betula lenta* Linnaeus, *Corylus* sp. (Betulaceae), *Cassia tora* Linnaeus, *Ceratonia siliqua* Linnaeus (Caesalpinaceae), *Euonymus alatus* (Thunberg) Siebold (Celastraceae), *Carpinus* sp. (Corylaceae), *Castanea* sp., *Quercus* sp. (Fagaceae), *Aesculus* sp. (Hippocastanaceae), *Juglans nigra* Linnaeus, *J. regia* Linnaeus, *Pterocarya stenoptera* C. de Candolle (Juglandaceae), *Ficus* sp. (Moraceae), *Cedrus* sp., *Pinus halepensis* Miller (Pinaceae), *Rhamnus alaternus* Linnaeus (Rhamnaceae), *Crataegus pinnatifida* Bunge, *Malus* sp., *Prunus armeniaca* Linnaeus, *P. persica* (Linnaeus) Batsch, *Pyrus malus* Linnaeus, *Rosa* sp., *Rubus* sp. (Rosaceae), *Citrus aurantium* Linnaeus, *C. paradisi* Macfayden (Rutaceae), *Salix vitellina* Linnaeus (Salicaceae), *Torreya* sp. (Taxaceae), *Ulmus* sp., *Zelkova* sp. (Ulmaceae). *Saperda minuta* Fabricius, 1781: 235; Olivier, 1795: (68) 41, pl. 3, figs 31, a, b; Zimsen, 1964: 179 (type).

Gracilia minuta; Stephens, 1839: 275; Lugger, 1884: 204 (hosts); Leng, 1885a: 118; 1885b: pl. 2, fig. 26; Dimmock, 1885: 283 (hosts); Hamilton, 1889: 145; Packard, 1890: 486 (hosts); Hausen, 1891: 102, figs 2-4; Hamilton, 1894b: 395 (distr.); 1895: 338 (distr.); Beutenmuller, 1896: 75 (hosts); Wickham, 1897a: 110, fig. 22; Ulke, 1903: 25 (distr.); Blatchley, 1910: 1022; Aurivillius, 1912: 129 (cat., refs.); Chagnon, 1917: 231 (distr.); Kirk & Knull, 1926: 23 (distr.); Leonard, 1928: 436 (distr.); Beaulne, 1932: 198 (hosts); Munro, 1936: 65 (biol.); Saalas, 1936: 65 (morphol.); Bosq, 1943a: 30 (hosts); Lepesme, 1944: 193, fig. 174 (biol.); Knull, 1946: 200, pl. 13, fig. 51; Bosq & Ruffinelli, 1951: 11 (distr., hosts); Duffy, 1953: 194 (larva, pupa, refs); 1960: 140, fig. 80 (larva, pupa); Zajciw & Ruffinelli, 1962: 38 (distr., hosts); Linsley, 1962a: 49; Slama, 1965: 300, 5 figs (biol., syn.); Ruffinelli, 1967: 43 (hosts); Hatch, 1971: 102; Manley & French, 1976: 47; Hovore, Penrose & Neck, 1987: 295 (hosts); Chemsak, Linsley & Noguera, 1992: 32 (cat.); Monné, M.A. 1993f:9 (cat.); Monné, M.A. & Giesbert, 1994: 83 (checklist); Linsley & Chemsak, 1997: 380 (hosts); Monné, M.A., 2001b: 3 (cat., hosts); Di Iorio, 2004d: 670 (distr.); Monné, M.A., 2005: 262 (cat.); Martins & Galileo, 2005: 228, figs 378-383; Monné, M.A. & Hovore, 2006: 767 (checklist); Lingafelter, 2007: 81, 147, 2 figs, pl. 19, fig. h.

Oesyophila minuta; Bruch, 1912: 193 (cat.).

Callidium pygmaeum Fabricius, 1793: 323; 1801: 339; Zimsen, 1964: 179 (type).

Gracilia pygmaea; Audinet-Serville, 1834b: 82; Mulsant, 1839: 103; Laporte, 1840: 446; Mulsant, 1863: 134, 198; Thomson, 1864: 223; Lacordaire, 1868: 359; LeConte, 1873b: 300; LeConte & Horn, 1883: 286.

Syntypes locality - Syntypes: Italia. (ZMUC).

Saperda picea Fabricius, 1793: 317; 1801: 332; Schoenherr, 1817: 438; Zimsen, 1964: 177 (type).

Syntypes locality - Syntypes: America septentrionali. (ZMUC).

Callidium vini Panzer, 1798: 10.

Type locality - Holotype: Austria, Vienna. (Depositary unknown).

Nothrus fuscus Haldeman, 1847a: 43.

Gracilia fusca; LeConte, 1850b: 24; White, 1855: 241.

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

Gracilia approximata Fairmaire, 1883: clx.

Type locality - Holotype male: Algeria, Biskra. (MNHN).

Gracilia obliquata Horn, 1885a: 174; Leng, 1890: 213.

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

Gracilia albanica Csiki, 1931: 278.

Type locality - Holotype: Albania, Kula Ljums. (HNHM).

Hypexilis Horn, 1885

Hypexilis Horn, 1885a: 173; Bradley, 1930: 234; Linsley, 1942: 49; 1962a: 51; Arnett, 1962: 862, 880; Monné, M.A., 1993f: 10 (cat.); Monné, M.A., 2005: 263 (cat.); Monné, M.A. & Hovore, 2006: 77 (checklist); Monné, M.A., 2012: 26.

Type-species - *Hypexilis pallida* Horn, 1885 (monotypy).

1. *Hypexilis pallida* Horn, 1885

Type locality - Holotype male: United States, Texas. (MCZN). **Distribution** - United States (Texas), Mexico (Nuevo León). **Host plants** - *Salix nigra* Marshall (Salicaceae), *Ulmus crassifolia* Nuttall (Ulmaceae).

Hypexilis pallida Horn, 1885a: 173; Leng, 1886: pl. 2, fig. 25; 1890: 213; Linsley & Martin, 1933: 181 (distr.); Linsley, 1962a: 51; Hovore, Penrose & Giesbert, 1978: 97 (distr., hosts); Hovore, Penrose & Neck, 1987: 296 (hosts); Chemsak, Linsley & Noguera, 1992: 32 (cat.); Monné, M.A. 1993f: 3 (cat.); Monné, M.A. & Giesbert, 1994: 84 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 384 (hosts); Monné, M.A., 2001b: 4 (cat., hosts); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.); Monné, M.A., 2005: 263 (cat.); Monné, M.A. & Hovore, 2006: 77 (checklist); MacRae & Rice, 2007: 236 (hosts); Nearn & Branham, 2008: 6, fig. 46b;; Heffern, Santos-Silva & Nascimento, 2021:365, figs 13, 14; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 473

Merostenus howdeni Napp & Martins, 1984b: 56, fig. 2; Chemsak, Linsley & Noguera, 1992: 53 (cat.); Monné, M.A., 1993f: 3 (cat.); Noguera & Chemsak, 1996: 400 (cat.).

Caribbomerus howdeni; Vitali & Rezbanyai-Reser, 2003: 12; Monné, M.A., 2005: 48 (cat.).

Type locality - Holotype male: Mexico, Nuevo León: 6 mi S Monterrey. (CNCI).

Penichroa Stephens, 1839

Penichroa Stephens, 1839: 270; Thomson, 1864: 334; Lacordaire, 1868: 358; Planet, 1924: 147; Villiers, 1946: 70; Linsley, 1962a: 75; Arnett, 1962: 862, 880; Monné, M.A., 1993f: 3; Sama, 2003: 55; Monné, M.A. & Hovore, 2006: 80 (checklist);

Type-species - *Callidium fasciatum* Stephens, 1831 (monotypy). (not Herbst, 1784).

Exilia Mulsant, 1863: 131 (not Conrad, 1860); 1862-1863: 195; Fairmaire, in Jacquelin DuVal, 1864: 147; Lacordaire, 1869: 358

Type-species - *Callidium timidum* Ménétériés, 1832

Liagrica Costa, 1855: 59; Csiki, 1904: 36.

Graecoeme Adlbauer, 2006: 379.

Type-species - *Graecoeme eggeri* Adlbauer, 2006

1. *Penichroa fasciata* (Stephens, 1831)

Syntypes locality - Syntypes: England. Norwich. (BMNH). **Distribution** - Europe, Caucasus, Azerbaidzhan, northern Iran, Asia Minor, Near East including Cyprus and Israel; North Africa, occasionally imported in North America (New York, Pennsylvania). **Host plants** - *Pistacia lentiscus* Linnaeus (Anacardiaceae), *Ceratonia siliqua* Linnaeus (Caesalpiaceae), *Carya* sp. (Juglandaceae), *Eucalyptus globulus* Labillardière (Myrtaceae).

Callidium fasciatum Stephens, 1831: 250.

Penichroa fasciata; Stephens, 1839: 270; Reitter, 1912: 31; Peyerimhoff, 1919: 211; Davatchi, 1958: 72 (biol.); Linsley, 1962a: 75 (syn.); Monné, M.A. 1993d: 3 (cat.); Monné, M.A. & Giesbert, 1994: 46 (checklist); Sama, 2003: 56; Monné, M.A. & Hovore, 2006: 80 (checklist);

Callidium timidum Ménétériés, 1832: 228.

Gracilia timida; Mulsant, 1839: 102, pl. 2, fig. 2; Lucas, 1849: lxvi.

Liagrica timida; Costa, 1855: 60, pl. 36, fig. 1.

Exilia timida; Mulsant, 1863: 131; 1862-1863: 195.

Penichroa timida; Planet, 1924: 147, figs 125, 126.

Syntypes locality – Syntypes: Azerbaidjan, Caucaso, Lenkoran. (ZISP).

Callidium bi-punctatum Zoubkoff, 1833: 336.

Type locality - Type: Turcmenie. (Depository unknown).

Callidium fasciolatum Krynicky, 1834: 170.

Type locality - Holotype: Turquia, Tauria. (University of Kharkov, Ukraine).

Zamodes obscurus; Knull, 1937a: 41 (not LeConte).

Tylonotus champlaini Knull, 1941a: 695, pl. 1, fig. 1.

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

Graecoeme eggeri Adlbauer, 2006: 381, fig. 1.

Type locality - Holotype female: Griechenland, S-Peloponnes, Mani, Stroupa (Collection Karl Adlbauer, Graz).

***Perigracilia* Linsley, 1942**

Perigracilia Linsley, 1942: 48; 1962a: 50; Arnett, 1962: 862, 880; Monné, M.A., 1993f: 10 (cat.); Monné, M.A., 2005: 263 (cat.); Monné, M.A. & Hovore, 2006: 77 (checklist); Monné, M.A., 2012: 26.

Type-species - *Perigracilia tenuis* Linsley, 1942 (original designation).

1. *Perigracilia delicata* Knull, 1942

Type locality - Holotype male: United States, Arizona: Pima County, Santa Catalina Mountains. (FMNH). **Distribution** - United States (Arizona).

Perigracilia delicata Knull, 1942: 225; Linsley, 1962a: 50; Monné, M.A. 1993f: 10 (cat.); Monné, M.A. & Giesbert, 1994: 84 (checklist); Chemsak, Linsley & Noguera, 1992: 32 (cat.); Monné, M.A., 1993f: 10 (cat.); Monné, M.A. & Hovore, 2006: 77 (checklist);

HESPEROPHANINI Mulsant, 1839

Hesperophanaires Mulsant, 1839: 27, 61; 1862-63: 124, 430; Planet, 1924: 147.

Hesperophanites; Fairmaire *in* Jacquelin DuVal, 1864: 130, 192.

Hesperophanides; Lacordaire, 1868: 273.

Hesperophaninae; Pascoe, 1869: 498, 528; Bates, 1870: 259.

Hesperophanini; Gahan, 1906: 109; Aurivillius, 1912: 66 (cat.); Bradley, 1930: 229, 231; Saalas, 1936: 63; Linsley, 1962a: 51; Arnett, 1962: 859, 880; Hatch, 1971: 99; Villiers, 1980b: 274; Monné, M.A., 1993b: 1 (cat.); Martins & Galileo, 1999: 2 (rev.); Monné, M.A., 2005: 264 (cat.); Bousquet *et al.*, 2009: 47; Bouchard *et al.*, 2011: 472.

Type-genus: *Hesperophanes* Dejean, 1835.

Type-species: *Callidium sericeum* Fabricius, 1787 designated by Thomson (1864: 253).

***Brothylus* LeConte, 1859**

Brothylus LeConte, 1859b: 80; Thomson, 1864: 268; Lacordaire, 1868: 290; LeConte, 1873b: 301; LeConte & Horn, 1883: 286; Bradley, 1930: 232; Linsley, 1962a: 85; Arnett, 1962: 863, 881; Chemsak & Linsley, 1963a: 216; Hatch, 1971: 103; Monné, M.A., 1993b: 6 (cat.) Monné, M.A., 2005: 266 (cat.); Monné, M.A. & Hovore, 2006: 78 (checklist); Monné, M.A., 2012: 27.

Type-species - *Brothylus gemmulatus* LeConte, 1859 (monotypy).

1. *Brothylus conspersus* LeConte, 1859

Syntypes locality - Syntypes male and female: United States, Oregon. (MCZN).

Distribution - Pacific Coast of North America from Oregon to southern California. **Host plants** - *Quercus agrifolia* Née, *Q. chrysolepis* Liebmann, *Q. douglasii* Hooker & Arnett, *Q. garryana* Douglas, *Q. john-tuckeri* K. C. Nixon & C. H. Muller, *Q. kelloggii* Newberry, *Q. lobata* Née (Fagaceae), *Fraxinus latifolia* Benthham (Oleaceae).

Brothylus conspersus LeConte, 1859a: 285; Leng, 1885a: 119; 1885c: 35, pl. 2, fig. 18; Garnett, 1918: 177 (distr.); Doane *et al.*, 1936: 269, fig. 82; Knowlton & Wood, 1950: 10 (distr.); Linsley, 1962: 86, fig. 29; Tyson, 1966: 202 (hosts); Hatch, 1971: 104, pl. 10, fig. 5; Furniss & Carolin, 1977: 298; Cope, 1984a: 33 (hosts); Chemsak, Linsley & Noguera, 1992: 33 (cat.); Monné, M.A., 1993b: 6 (cat.); Monné, M.A. & Giesbert, 1994: 44 (checklist); Linsley

& Chemsak, 1997: 351 (hosts); Monné, M.A. & Hovore, 2006: 78 (checklist); MacRae & Rice, 2007: 230 (distr., hosts); Swift, 2008a: 2 (hosts).

2. *Brothylus gemmulatus* LeConte, 1859

Syntypes locality - Syntypes: United States, California: Tejon. (MCZN). **Distribution** - Western North America from Oregon and Utah to Mexico (Sinaloa, Mazatlán). **Host plants** –*Alnus oblongifolia* Torr. (Betulaceae), *Quercus agrifolia* Née, *Q. hypoleucoides*, *Q. kelloggii* Newberry (Fagaceae).

Brothylus gemmulatus LeConte, 1859b: 80; Thomson, 1864: 268; Lacordaire, 1868: 290; Leng, 1885a: 119; Fall, 1901: 144 (distr.); Wright & Coolidge, 1908: 68 (distr.); Garnett, 1918: 177 (distr.); Craighead, 1923: 67 (larva); Casey, 1924: 253; Davis, 1932: 85 (distr.); Linsley, 1935a: 73 (distr.); Doane *et al.*, 1936: 169 (biol.); Linsley, 1938: 106 (syn.); Knowlton & Wood, 1950: 10 (distr.); Keen, 1952: 198 (hosts); Linsley, 1962a: 86, fig. 28; Chemsak & Linsley, 1963a: 216; Tyson, 1966: 202 (hosts); Hatch, 1971: 103, pl. 10, fig. 3; Chemsak, Linsley & Noguera, 1992: 33 (cat.); Monné, M.A. 1993b: 6 (cat.); Monné, M.A. & Giesbert, 1994: 44 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 351 (hosts); Heffern, 1998: 12 (distr.); Monné, M.A., 2001b: 4 (cat. hosts); Monné, M.A., 2005: 266 (cat.); Monné, M.A. & Hovore, 2006: 78 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 473; Gimmel *et al.*, 2023: 251 (distr.)

Brothylus castaneus Casey, 1924: 253; Lingafelter *et al.*, 2014: 38, figs 39e, f (holotype).

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

Brothylus consors Casey, 1924: 254; Lingafelter *et al.*, 2014: 44, figs 46s, t (holotype).

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

Brothylus longicollis Casey, 1924: 254; Lingafelter *et al.*, 2014: 91, figs 100i, j (holotype).

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

Cacophrissus Bates, 1885

Cacophrissus Bates, 1885: 252; Chemsak & Linsley, 1963a: 219; 1974: 182 (syn.); Monné, M.A., 1993b: 9 (cat.); Monné, M. A., 2005: 266 (cat.); Monné, M.A. & Hovore, 2006: 78 (checklist); Monné, M.A., 2012: 27.

Type-species - *Cacophrissus pauper* Bates, 1885 (monotypy).

Knullanoplium Linsley, 1957a: 16; Arnett, 1962: 866, 884; Linsley, 1963: 112.

Type-species - *Brothylus subpubescens* Schaeffer, 1909 (original designation).

1. *Cacophrissus pauper* Bates, 1885

Type locality - Lectotype male: Mexico, Sinaloa: Presidio. (BMNH). **Distribution** - United States (Arizona), Mexico (Baja California, Sinaloa, Jalisco).

Cacophrissus pauper Bates, 1885: 252, pl. 18, fig. 8; Chemsak & Linsley, 1963a: 221; 1964a: 226 (distr.); Chemsak, 1967b: 74 (lect.); Chemsak & Linsley, 1974a: 182 (syn.); Hovore, 1988: 8 (distr., syn.); Chemsak, Linsley & Noguera, 1992: 33 (cat.); Monné, M.A. 1993b: 9 (cat.); Monné, M.A. & Giesbert, 1994: 56 (checklist); Chemsak & Noguera, 1995: 58 (distr.); Noguera & Chemsak, 1996: 397 (cat.); Monné, M.A., 2005: 267 (cat.); Monné, M.A. & Hovore, 2006: 78 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 473

Brothylus subpubescens Schaeffer, 1909a: 100.

Knullanoplium subpubescens; Linsley, 1957a: 17; 1963: 113, fig. 38.

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

Elaphidion (Anoplium) duncani Knull, 1927: 117; Chemsak, 1977a: 174 (type).

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

Anoplium insoletum Linsley, 1942: 43.

Type locality - Holotype male: Mexico, Baja California: Comondu. (CASC).

Eucrossus LeConte, 1873

Eucrossus LeConte, 1873a: 174; 1873b: 298; LeConte & Horn, 1883: 284; Leng, 1884: 114; Bradley, 1930: 231; Linsley, 1932: 113; 1962a: 71; Arnett, 1962: 862; Chemsak & Linsley, 1963a: 213; Monné, M.A., 1993b: 2 (cat.); Monné, M. A., 2005: 268 (cat.); Monné, M.A. & Hovore, 2006: 78 (checklist); Monné, M.A., 2012: 27.

Type-species - *Eucrossus villicornis* LeConte, 1873 (monotypy).

1. *Eucrossus villicornis* LeConte, 1873

Syntypes locality - Syntypes male and female: United States, Arizona. (MCZN).

Distribution - United States (Nevada and California to Arizona and New Mexico), Mexico (Baja California, Sonora, Chihuahua, Tamaulipas). **Host plants** - *Pinus contorta* Douglas ex Loudon, *P. jeffreyi* Balfour, *P. monophylla* Torrey & Frémont, *P. muricata* D. Don, *P. ponderosa* Douglas ex Lawson & P. Lawson, *P. sabiniana* Douglas ex D. Don, *P. torreyana* Parry ex Torrey (Pinaceae).

Eucrossus villicornis LeConte, 1873a: 175; 1873b: 299; Lameere, 1883: 14 (cat.); LeConte & Horn, 1883: 284; Leng, 1884: 116; 1885b: pl. 2, fig. 22; Fall, 1901: 144 (distr.); Garnett, 1918: 176 (distr.); Craighead, 1923: 140 (larva); Linsley, 1932: 117 (syn.); Moore, 1937: 87 (distr.); Keen, 1949: 93 (hosts); Linsley, Knull & Statham, 1961b: 11 (distr.); Linsley, 1962a: 71; Chemsak & Linsley, 1963a: 213; Tyson, 1966: 203 (hosts); Wickman & Seminoff, 1968: 321, figs 1, 2 (biol.); Tyson, 1970b: 297 (biol.); Chemsak, Linsley & Noguera, 1992: 35 (cat.); Monné, M.A. 1993b: 2 (cat.); Monné, M.A. & Giesbert, 1994: 44 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 374 (hosts); Heffern, 1998: 12 (distr.); Monné, M.A., 2001b: 5 (cat. hosts); Monné, M.A., 2005: 268 (cat.); Monné, M.A. & Hovore, 2006: 78 (checklist); García Morales *et al.*, 2015: 103 (distr.).

Eucrossus phoenicis Casey, 1924: 249; Lingafelter *et al.*, 2014: 298, figs 131k, l (holotype).

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

Haplidus LeConte, 1873

Haplidus LeConte, 1873a: 175; 1873b: 299; LeConte & Horn, 1883: 284; Leng, 1884: 115; Linsley, 1932: 113; 1962a: 68; Arnett, 1962: 862, 880; Chemsak & Linsley, 1963a: 227 (key spp.); Hatch, 1971: 103; Monné, M.A., 1993b: 1 (cat.); Monné, M.A., 2005: 269 (cat.); Monné, M.A. & Hovore, 2006: 79 (checklist); Monné, M.A., 2012: 27.

Type-species - *Haplidus testaceus* LeConte, 1873 (monotypy).

1. *Haplidus laticeps* Knull, 1941

Type locality - Holotype male: United States, Texas: Sonora. (FMNH). **Distribution** - United States (Texas), northern Mexico (Chihuahua, Coahuila). **Host plants** - *Acacia constricta* Benth. ex Gray, *Leucaena retusa* Benth., *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Haplidus laticeps Knull, 1941b: 317; Linsley, 1962a: 71; Chemsak & Linsley, 1963a: 228; Chemsak, 1977a: 175 (type); MacKay, Zak & Hovore, 1987: 363 (hosts); Chemsak, Linsley & Noguera, 1992: 35 (cat.); Monné, M.A. 1993b: 2 (cat.); Monné, M.A. & Giesbert, 1994: 45 (checklist); Linsley & Chemsak, 1997: 381 (hosts); Monné, M.A., 2001b: 6 (cat. hosts); Monné, M.A., 2005: 269 (cat.); Monné, M.A. & Hovore, 2006: 79 (checklist); Pérez & Toledo, 2020: 12; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 474

2. *Haplidus testaceus* LeConte, 1873

Syntypes localities – Syntypes: United States, Nevada, Utah and California. (MCZN).

Distribution - United States, southeastern California and Great Basin region east to New Mexico. **Host plants** - *Pinus contorta* Douglas ex Loudon, *P. edulis* Engelhorn, *P. monophylla* Torrey & Frémont, *P. ponderosa* Douglas ex Lawson & P. Lawson (Pinaceae).

Haplidus testaceus LeConte, 1873a: 299; 1873b: 176; Lameere, 1883: 10 (cat.); LeConte & Horn, 1883: 285; Leng, 1885a: 117; 1885c: 35, pl. 2, fig. 24; Fall, 1901: 144 (distr.); Craighead, 1923: 40 (larva); Linsley, 1932: 114 (distr.); 1962a 40, fig. 24; Tyson, 1970b: 298 (biol.); Hatch, 1971: 103, pl. 10, fig. 4; Furniss & Carolin, 1977: 300 (biol.); Chemsak, Linsley &

Noguera, 1992: 36 (cat.); Monné, M.A., 1993b: 2 (cat.); Linsley & Chemsak, 1997: 381 (hosts); Heffern, 1998: 12 (distr.); Monné, M.A. & Hovore, 2006: 79 (checklist); MacRae & Rice, 2007: 236 (distr., hosts); Hack, 2017: 113 (hosts); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 42, pl. 2.

Haplidus testaceus; Garnett, 1918: 177 (distr., error).

Haplidus breviceps Casey, 1924: 250; Lingafelter *et al.*, 2014: 32, fig. 32 s (holotype).

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

***Hesperanoplium* Linsley, 1957**

Hesperanoplium Linsley, 1957a: 18; Arnett, 1962: 862, 880; Linsley 1962a: 72; Monné, M.A., 1993b: 3; Monné, M.A. & Hovore, 2006: 79 (checklist);

Type-species - *Haplidus antennatus* Linsley, 1932 (original designation).

1. *Hesperanoplium antennatum* (Linsley, 1932)

Type locality - Holotype male: United States, California: Carnelian Bay, Lake Tahoe. (CASC). **Distribution** - United States (Oregon and California). **Host plants** - *Acer glabrum* Torrey (Aceraceae), *Rhus integrifolia* Nuttall (Anacardiaceae), *Quercus chrysolepis* Liebmann (Fagaceae), *Cercocarpus betuloides* Nuttall, *C. ledifolius* Nuttall, *Heteromeles arbutifolia* (Aiton) M. Roemer, *Prunus ilicifolia* Nuttall (Rosaceae), *Salix* sp. (Salicaceae).

Haplidus antennatus Linsley, 1932: 115.

Hesperanoplium antennatum; Linsley, 1957a: 18; 1962a: 72; Tyson, 1970b: 297 (hosts); Penrose & Westcott, 1974: 234 (distr.); Hovore & Giesbert, 1976: 352 (hosts); Cope, 1984a: 29 (hosts); Chemsak, Linsley & Noguera, 1992: 6 (cat.); Monné, M.A., 1993b: 3 (cat.); Monné, M.A. & Giesbert, 1994: 45 (checklist); Linsley & Chemsak, 1997: 381 (hosts); Monné, M.A. & Hovore, 2006: 79 (checklist);

2. *Hesperanoplium notabile* (Knull, 1947)

Type locality - Holotype female: United States, California: Jacumba. (FMNH). **Distribution** - United States (California) **Host plants** - *Pinus* sp. (Pinaceae).

Gymnopsyra notabilis Knull, 1947b: 32.

Hesperanoplium notabilis; Linsley, 1957a: 18; 1962a: 73; Hovore & Giesbert, 1976: 352; Chemsak, 1977a: 175 (types); Chemsak, Linsley & Noguera, 1992: 36 (cat.); Monné, M.A., 1993b: 3 (cat.); Monné, M.A. & Giesbert, 1994: 45 (checklist); Monné, M.A. & Hovore, 2006: 789 (checklist);

***Hesperophanes* Dejean, 1835**

Hesperophanes Dejean, 1835: 328; Blanchard, 1851: 492; Thomson, 1864: 253, 455; Lacordaire, 1868: 275; Bates, 1870: 259; Germain, 1898: 463; Gahan, 1906: 112; Planet, 1924: 152; Arnett, 1962: 863, 881; Linsley, 1962a: 87; Hatch, 1971: 103; Sama, 1991: 124; Monné, M. A., 1993b: 6; Martins & Galileo, 2000: 46; Sama, 2003: 49; Monné, M.A. & Hovore, 2006: 79 (checklist);

Anoplium Haldeman, 1847a: 34; Thomson, 1864: 236.

Type species - *Anoplium pubescens* Haldeman, 1847 (Thomson designation, 1864: 236)

Stromatium; LeConte, 1873b: 301; LeConte & Horn, 1883: 287; Leng, 1884: 115; Blatchley, 1910: 1020; Chagnon, 1938: 260; Knull, 1946: 190.

1. *Hesperophanes pubescens* (Haldeman, 1847)

Type locality - Holotype: United States, Pennsylvania. (MCZN). **Distribution** - Eastern Canada and northeastern United States, south to Georgia and Alabama and west to Minnesota and Iowa. 30). It is found in Canada in the Mixedwood Plains ecozone of southern Quebec and southern Ontario. **Host plants** - *Quercus* sp. (Fagaceae).

Anoplium pubescens Haldeman, 1847a: 34; Melsheimer, 1853: 102 (cat.).

Elaphidion pubescens; LeConte, 1850b: 16; White, 1853: 104.

Stromatium pubescens; LeConte, 1873b: 302; LeConte & Horn, 1883: 287; Leng, 1885a: 119; 1885c: 35, pl. 2, fig. 30; Hamilton, 1895: 338 (distr.); Blatchley, 1910: 1022; Slosson, 1912: 172 (distr.); Nicolay, 1919: 65 (distr.); Britton, 1920: 267 (distr.); Leonard, 1928: 435 (distr.); Cooper, 1935: 152 (distr.); Chagnon, 1938: 260; Loding, 1945: 114 (distr.); Sherman, 1946: 126 (distr.); Knull, 1946: 190, pl. 11, fig. 44; Chagnon & Robert, 1962: 260.

Hesperophanes pubescens; Linsley, 1962a: 88, fig. 30; Gosling, 1973: 71, fig. 15 (distr.); Perry, 1977: 98 (distr.); Turnbow & Franklin, 1980: 341; Arnett, 1985: 362, fig. 24.183; Chemsak, Linsley & Noguera, 1992: 36 (cat.); MacRae, 1993: 228 (distr.); Monné, M.A., 1993b: 7 (cat.); Monné, M.A. & Giesbert, 1994: 45 (checklist); Yanega, 1996: 47, pl. 12, fig. 137; Vlasák & Vlasakova, 2002: 209 (distr., hosts); Monné, M.A. & Hovore, 2006: 79 (checklist); Lingafelter, 2007: 80, 147, 2 figs, pl. 19, fig. b; Guarnieri, 2009: 17 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 42, pl. 3.

***Malobidion* Schaeffer, 1908**

Malobidion Schaeffer, 1908: 336; Casey, 1912: 258; Bradley, 1930: 234; Martins, 1961: 190; Linsley, 1962a: 53; Arnett, 1962: 862, 880; Chemsak & Linsley, 1963a: 210 (rev.); Monné, M.A., 1993b: 1 (cat.); Monné, M.A., 2005: 271 (cat.); Monné, M.A. & Hovore, 2006: 79 (checklist); Monné, M.A., 2012: 28.

Type-species - *Malobidion brunneum* Schaeffer, 1908 (original designation).

1. *Malobidion brunneum* Schaeffer, 1908

Syntypes locality - Syntypes: United States, Arizona: Huachuca Mts. (USNM). **Distribution** - United States (Utah, Arizona), Mexico (Sonora). **Host plants** - *Rhus trilobata* Nuttall (Anacardiaceae), *Berberis harrisoniana* Kearney & Peebles (Berberidaceae), *Fraxinus anomala* Torrey ex S. Watson (Oleaceae), *Amelanchier utahensis* Koehne, *Cercocarpus montanus* Rafinesque (Rosaceae).

Malobidion brunneum Schaeffer, 1908: 337; Linsley, Knull & Statham, 1961a: 11 (distr.); Linsley, 1962a: 54; Chemsak & Linsley, 1963a: 212; Marqua, 1975: 317; Cope, 1984a: 30 (hosts); Chemsak, Linsley & Noguera, 1992: 36 (cat.); Monné, M.A. 1993b: 1 (cat.); Monné, M.A. & Giesbert, 1994: 45 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 394 (hosts); Monné, M.A., 2001b: 6 (cat. hosts); Monné, M.A., 2005: 271 (cat.); Monné, M.A. & Hovore, 2006: 79 (checklist); Lingafelter *et al.*, 2014: 34, figs 35e, f (holotype); Vlasák, 2014: 318 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 474

Malobidion uteanum Casey, 1924: 258; Lingafelter *et al.*, 2014: 339, figs 177m, n (lect. designation).

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

Haplidus palpalis Linsley, 1932: 114.

Type locality - Holotype male: United States, Arizona: Huachuca Mts (Carr Canyon). (CASC).

***Meganoplium* Linsley, 1940**

Meganoplium Linsley, 1940a: 258; 1962a: 73; Arnett, 1962: 862, 880; Monné, M.A., 1993b: 3 (cat.); Monné, M.A., 2005: 272 (cat.); Monné, M.A. & Hovore, 2006: 80 (checklist); Monné, M.A., 2012: 28.

Type-species - *Elaphidion imbelle* LeConte, 1881 (monotypy and original designation).

1. *Meganoplium imbelle* (LeConte, 1881)

Type locality - Holotype female: United States, California: San Diego Co., Poway. (MCZN).

Distribution - United States (California), Mexico (Baja California Norte). **Host plants** - *Quercus agrifolia* Née, *Q. chrysolepis* Liebmann, *Q. kelloggii* Newberry, *Q. lobata* Née (Fagaceae).

Elaphidion imbelle LeConte, 1881: 27, pl. 1, fig. 1; Lameere, 1883: 82 (cat.); Leng, 1885c: 32, 34; Blaisdell, 1892: 34 (hosts); Fall, 1901: 144 (distr.); Garnett, 1918: 177 (distr.).

Anoplium imbelles; Casey, 1912: 305; Moore, 1937: 88 (distr.).
Meganoplium imbelles; Linsley, 1940a: 258; 1962a: 74, fig. 25; Hovore, 1988: 8 (distr.); Chemsak, Linsley & Noguera, 1992: 36 (cat.); Monné, M.A. 1993b: 3 (cat.); Monné, M.A. & Giesbert, 1994: 46 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 396 (hosts); Monné, M.A., 2001b: 7 (cat. hosts); Monné, M.A., 2005: 272 (cat.); Ray, Lacey & Hanks, 2006: 545 (pheromones); Monné, M.A. & Hovore, 2006: 80 (checklist); MacRae & Rice, 2007: 237 (distr.,hosts); Vlasák, 2014: 318 (hosts).

***Osmidus* LeConte, 1873**

Osmidus LeConte, 1873a: 177; 1873b: 301, 302; LeConte & Horn, 1883: 287; Leng, 1884: 115; Linsley, 1962a: 80; Arnett, 1962: 862, 880; Chemsak & Linsley, 1963a: 214; Monné, M.A., 1993b: 8 (cat.); Monné, M.A., 2005: 274 (cat.); Monné, M.A. & Hovore, 2006: 80 (checklist); Monné, M.A., 2012: 28.

Type-species - *Osmidus guttatus* LeConte, 1873 (monotypy).

1. *Osmidus guttatus* LeConte, 1873

Syntypes locality - Syntypes male: Mexico, Baja California: Cabo San Lucas. (MCZN).

Distribution - United States (southern California, Arizona and southern Nevada), Mexico (Baja California, Sonora, Oaxaca). **Host plants** - *Cercidium* sp. (Caesalpiniaceae), *Olneta tesota* A. Gray (Fabaceae), *Prosopis juliflora* (Swartz) de Candolle, *P. pubescens* Benth (Mimosaceae).

Osmidus guttatus LeConte, 1873a: 178; Leng, 1885a: 119; 1885b: pl. 2, fig. 29; Horn, 1894: 337 (distr.); Snow, 1906a: 147 (distr.); Garnett, 1918: 177 (distr.); Linsley, 1938: 106 (syn.); 1942: 34; 1962a: 81, fig. 27; Chemsak & Linsley, 1963a: 214; Tyson, 1966: 205 (hosts); 1970: 298 (hosts); Hovore & Giesbert, 1976: 352 (hosts); Chemsak, Linsley & Noguera, 1992: 36 (cat.); Monné, M.A. 1993b: 8 (cat.); Monné, M.A. & Giesbert, 1994: 46 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 414 (hosts); Monné, M.A., 2001b: 7 (cat. hosts); Monné, M.A., 2005: 274 (cat.); Monné, M.A. & Hovore, 2006: 80 (checklist); Noguera *et al.*, 2009: 88 (distr.); Santos-Silva, Botero & Le Tirant, 2018: 201; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 474

Osmidus obscurellus Casey, 1924: 255; Lingafelter *et al.*, 2014: 110, figs 121e, f (holotype).

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

Osmidus vestitus Casey, 1924: 255; Lingafelter *et al.*, 2014: 343, figs 181k, l (holotype).

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

***Stromatium* Audinet-Serville, 1834**

Stromatium Audinet-Serville, 1834b: 80; Laporte, 1840: 452; Blanchard, 1845: 153; Thomson, 1861: 231; Mulsant, 1863: 129, 435; Thomson, 1864: 253; 1865: 455; Lacordaire, 1868: 282; Pascoe, 1869: 531; Redtenbacher, 1874: 406; Gahan, 1906: 114; Bradley, 1930: 232; Linsley, 1962a: 88; Arnett, 1962: 863, 881; Hatch, 1971: 103; Zayas, 1975: 57; Monné, M.A., 1993b: 7 (cat.); Martins & Galileo, 1999c: 65; Monné, M.A., 2005: 275 (cat.); Monné, M.A. & Hovore, 2006: 81 (checklist); Monné, M.A., 2012: 29.

Type-species - *Callidium barbatum* Fabricius, 1775 (monotypy).

Solenophorus Mulsant, 1839: 65.

Type-species - *Callidium strepens* Fabricius, 1798 (monotypy).

1. *Stromatium auratum* (Böber, 1793)

Type locality - Holotype: Ukraine, Crimea: vom Dneper bis zum Salgir. (Depository unknown).

Distribution – Central and southern Europe, North Africa, Caucasus, northern Iran, Middle East, Cyprus, Middle Asia., introduced in United States, Cuba, Brazil (Rio de Janeiro, São Paulo), Paraguay, Uruguay. **Host plants** - *Acer negundo* Linnaeus (Aceraceae), *Pistacia lentiscus* Linnaeus, *Schinus terebenthifolius* Raddi (Anacardiaceae), *Araucaria excelsa* R. Brown (Araucariaceae), *Alnus* sp, *Corylus* sp. (Betulaceae), *Cassia* sp., *Ceratonia siliqua*

Linnaeus, *Cercis siliquastrum* Linnaeus, *Delonix regia* (Hooker) Rafinesque-Schmaltz (Caesalpiniaceae), *Celtis australis* Linnaeus (Cannabaceae), *Casuarina cunninghamiana* Miquel (Casuarinaceae), *Carpinus* sp. (Corylaceae), *Cupressus* sp. (Cupressaceae), *Flueggea anatolica* Gemici (Euphorbiaceae), *Cytisus antillanus* de Candolle, *Dalbergia sissoo* Roxburgh, *Robinia pdeusdoacacia* Linnaeus (Fabaceae), *Castanea* sp., *Fagus ferruginea* Aiton, *Quercus acuminata* (Michaux) Sargent, *Quercus ilex* Linnaeus (Fagaceae), *Carya pecan* (Marshall) Engler & Graebner, *Juglans nigra* Linnaeus (Juglandaceae), *Persea americana* P. Miller (Lauraceae), *Tilia* sp. (Malvaceae), *Acacia* sp. (Mimosaceae), *Ficus* sp., *Morus rubra* Linnaeus (Moraceae), *Eucalyptus* sp. (Myrtaceae), *Fraxinus* sp., *Ligustrum ovalifolium* Hasskarl (Oleaceae), *Abies* sp., *Cedrus* sp., *Larix* sp., *Pinus* sp. (Pinaceae), *Platanus occidentalis* Linnaeus, *P. orientalis* Linnaeus (Platanaceae), *Rhamnus alaternus* Linnaeus, *Zizyphus* sp. (Rhamnaceae), *Prunus armeniaca* Linnaeus (Rosaceae), *Citrus aurantium* Linnaeus (Rutaceae), *Populus* sp., *Salix* sp. (Salicaceae), *Styrax officinale* Linnaeus (Styracaceae), *Tamarix* sp. (Tamaricaceae), *Ulmus* sp. (Ulmaceae).

Saperda aurata Böber, 1793: 135.

Stromatium auratum; Lazarev, 2014: 274.

Cerambyx fulvus Villers, 1789: 256 (not *Cerambyx fulvus* Scopoli, 1763).

Stromatium fulvum; Aurivillius, 1912: 73 (cat., refs.); Leng & Mutchler, 1914: 445 (distr.); Leonard, 1928: 435 (distr.); Ware, 1929: 368; Saalas, 1936: 63; Linsley, 1938: 177 (biol.); Lepesme, 1944: 194 (biol.); Bosq, 1947a: 14 (distr.); Bosq & Ruffinelli, 1951: 7 (distr.); Duffy, 1953: 177 (refs.); 1960: 112, fig. 63 (larva); Zajciw & Ruffinelli, 1962: 29 (distr.); Linsley, 1962a: 90; Ruffinelli, 1967: 42 (hosts); Zayas, 1975: 57, pl. 7, fig. b; Chemsak, Linsley & Noguera, 1992: 36 (cat.); Monné, M.A. 1993b: 8 (cat.); Monné, M.A. & Giesbert, 1994: 46 (checklist); Linsley & Chemsak, 1997: 439 (hosts); Martins & Galileo, 1999c: 67, figs 34-36; Monné, M.A., 2001b: 8 (cat. hosts); Sama, 2003: 52 (distr.); Monné, M.A., 2005: 276 (cat.); Peck, 2005: 168 (distr.); Lingafelter, 2007: 79, 150, 2 pls, fig. 19a (hosts); Galileo, Martins & Moyses, 2008: 15.

Type locality - Type: Gallia merid. (MNHL).

Callidium unicolor Olivier, 1795: (70) 58, pl. 7, fig. 84.

Stromatium unicolor; Chevrolat, 1862a: 265; Sama, 1991: 125 (primary homonymy).

Syntypes locality - Syntypes: Mesopotamia. (MNHN).

Callidium strepens Fabricius, 1798: 150.

Stromatium strepens; Pascoe, 1857: 96.

Syntypes locality - Syntypes: Tanger Dom. (ZMUC).

Callidium pallidum Zoubkoff, 1833: 336.

Type locality - Type: Turcménie. (Depository unknown).

Stromatium inermis Tournier, 1872: 260.

Syntypes locality - Syntypes male and female: Irak, Bagdad. (MNHN),

Hesperophanes platifemur Chevrolat, 1882: 57.

Type locality - Holotype male: Syria, (BMNH).

***Trichoferus* Wollaston, 1854**

Trichoferus Wollaston, 1854: 427; Heyrovsky, 1955: 153; Sama, 1991: 123.

Type species - *Trichoferus senex* Wollaston, 1854 (monotypy).

Hesperandrius Reitter, 1912: 45

Type-species - *Callidium griseum* Fabricius, 1793 (subsequent designation, Sama, 1991: 123).

1. *Trichoferus campestris* (Faldermann, 1835)

Type locality - Holotype female: China borealis. (Collection of Zoological Institute of the Russian Academy of Sciences, Saint-Petersbourg). **Distribution** - China, Korea, Japan, Mongolia, Hungria, France, introduced in Canada.

Callidium campestris Faldermann, 1835: 435.

Trichoferus campestris; Gressitt, 1951: 149; Grebennikov, Gill & Vigneault, 2010: 14, figs 1,2,4-5, 7-10-15; Bullas-Appleton, Kimoto, & Turgeon, 2014: 111; Haack *in* Wang, 2017: w/page fig. 11.20 (biol., hosts); Bousquet, Laplante, Hammond & Langor, 2017: 42, pl. 3.

Stromatium turkestanicum Heyden & Kraatz, 1886: 193.

Type locality - Holotype female: Kazakhstan, Turquestan. (SDEI).

Hesperophanes rusticus Ganglbauer, 1886: 133; 1890: 66 (syn.).

Type locality - Holotype: Korea, Centrum der Halbinsel Korea, bei Pung-tung. (NHMW).

Hesperophanes flavopubescens Kolbe, 1886: 219.

Syntypes locality - Syntypes: Korea, Seoul. (ZMHB).

***Tylonotus* Haldeman, 1847**

Tylonotus Haldeman, 1847a: 37; LeConte, 1850b: 22; Thomson, 1864: 220; Lacordaire, 1868: 396; LeConte, 1873b: 302; LeConte & Horn, 1883: 287. Leng, 1884: 115; Wickham, 1897a: 96; Blatchley, 1910: 1021; Bradley, 1930: 232; Chagnon, 1938: 260; Knull, 1946: 189; Dillon & Dillon, 1961: 584; Linsley, 1962a: 76; Chagnon & Robert, 1962: 254; Arnett, 1962: 862; Monné, M.A., 1993b: 4; Monné, M.A. & Hovore, 2006: 81 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 42 (key spp.)

Type-species - *Tylonotus bimaculatus* Haldeman, 1847 (montypy).

1. *Tylonotus bimaculatus* Haldeman, 1847

Type locality - Holotype: United States, Pennsylvania. (MCZN). **Distribution** - Eastern Canada and United States to Florida, Texas and Arizona. **Host plants** -*Betula* sp. (Betulaceae), *Quercus rubra* Linnaeus (Fagaceae), *Carya* sp., *Juglans nigra* Linnaeus (Juglandaceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Tilia americana* Linnaeus (Malvaceae), *Fraxinus americana* Linnaeus, *F. pennsylvanica* Marshall, *Ligustrum* sp. (Oleaceae), *Ulmus* sp. (Ulmaceae).

Tylonotus bimaculatus Haldeman, 1847a: 38; LeConte, 1850b: 23; Melsheimer, 1853: 104 (cat.); Bland, 1861: 95 (distr., hosts); Thomson, 1864: 220; Pettit, 1871: 106 (distr.); Popenoe, 1878: 82 (distr.); Riley, 1880: 239 (hosts); Packard, 1881: 129, 138 (biol.); Lugger, 1884: 204 (hosts); Dimmock, 1885: 283 (hosts); Leng, 1885b: 134, pl. 3, fig. 7; Packard, 1890: 485, 545 (biol.); Hamilton, 1891a: 131 (hosts); 1895: 338 (distr.); Beutenmuller, 1896: 75 (hosts); Wickham, 1897a: 110; 1897b: 156 (distr.); Lugger, 1899: 201, pl. 5, fig. 121 (biol.); Smith, 1900: 228 (distr.); Dury, 1902: 159 (distr.); Ulke, 1903: 26, 50 (distr.); Champlain, 1909: 181 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 327; Blatchley, 1910: 1926; Fisher & Kirk, 1912: 310 (distr.); Swaine, 1913: 88 (biol.); Morris, 1916: 298 (biol.); Britton, 1920: 267; Craighead, 1923: 66 (larva); Kirk & Knull, 1926: 22 (distr.); Fisk, 1928: 184 (biol.); Leonard, 1928: 434 (distr.); Beaulne, 1932: 198 (hosts); Barrett, 1932: 291 (hosts); Cooper, 1932: 194 (distr.); Schaeffer, 1933b: 41 (distr.); Chagnon, 1938: 560, pl. 17, fig. 6; Hoffmann, 1940: 59 (biol.); Knull, 1946: 190, pl. 9, fig. 36; Craighead, 1950: 269, fig. 51g (larva); Duffy, 1953: 170, figs 135-137 (larva); Alexander, 1958: 51 (distr.); Dillon & Dillon, 1961: 584, pl. 57, No.11; Linsley, Knull & Statham, 1961: 11 (biol.); Linsley, 1962a: 77, figs 26, 27; Chagnon & Robert, 1962: 260, pl. 17, fig. 6; Baker, 1972: 199; Gosling, 1973: 70 (biol., distr.); Kirk & Balsbaugh, 1975: 98 (distr.); Stein & Tøgestad, 1976: 44 (distr.); Turnbow & Franklin, 1980: 341 (distr.); Rice, 1981: 460 (distr.); Arnett, 1985: 362, fig. 24.182; Hovore, Penrose & Neck, 1987: 296 (distr.); Chemsak, Linsley & Noguera, 1992: 37 (cat.); MacRae, 1993: 228 (distr.); Lingafelter & Horner, 1993: 167 (distr.); Monné, M. A., 1993b: 4 (cat.); Monné, M.A. & Giesbert, 1994: 47 (checklist); Yanega, 1996: 47, pl. 12, fig. 142; Burne, 1997: 36 (distr.); Linsley & Chemsak, 1997: 447 (hosts); Schiefer, 1998: 116 (distr.); Peck & Thomas, 1998: 117 (distr.); Vlasák & Vlasakova, 2002: 209 (distr., hosts); Sikes & Webster, 2005: 320 (distr.); Lingafelter, 2007: 87. 150, 2 figs, pl. 201 (hosts); Monné, M.A. & Hovore, 2006: 81 (checklist); Holt, 2013: 249 (distr.); Zou *et al.*, 2015: 870 (pherom); Webster *et al.*, 2016: 115 (distr., hosts); Webster, 2016: 488; Haack, 2017: 117 (hosts); Klingeman *et al.*, 2017: 297 (distr.).

2. *Tylonotus masoni* (Knull, 1928)

Type locality - Holotype female: United States, Illinois: Edgebrook. (FMNH). **Distribution** - Canada (southernmost Ontario), United States (Texas, Oklahoma, Missouri, Iowa, Illinois, Indiana, Ohio, Mississippi, Georgia).

Elaphidion (Anoplium) masoni Knull, 1928c: 11; Chemsak, 1977a: 174 (types).

Anoplium masoni; Knull, 1946: 197, pl. 13, fig. 50.

Tylonotus masoni; Linsley, 1962a: 78, fig. 27; Turnbow & Hovore, 1979: 221 (distr.); Turnbow & Franklin, 1980: 341 (distr.); Chemsak, Linsley & Noguera, 1992: 37 (cat.). MacRae, 1993: 228 (distr.); Monné, M. A., 1993b: 4 (cat.); Monné, M.A. & Giesbert, 1994: 47 (checklist); Yanega, 1996: 47, pl. 12, fig. 141; Burne, 1997: 36 (distr.); Schiefer, 1998: 116 (distr.); Monné, M.A. & Hovore, 2006: 81 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 42.

Xeranoplium Linsley, 1957

Xeranoplium Linsley, 1957: 15; 1962: 83; Arnett, 1962: 863; Chemsak & Linsley, 1962: 222; Monné, M.A., 1993b: 5; Monné, M.A. & Hovore, 2006: 81 (checklist); Lingafelter & Ivie, 2005: 27; Santos-Silva, Botero & Le Tirant, 2018: 202

Type species - *Xeranoplium gracile* Linsley, 1957 (original designation) (= *Anoplium tricallosum* Knull, 1938)

1. *Xeranoplium tricallosum* (Knull, 1938)

Type locality - Holotype: United States, Arizona, Sabino Canyon, near Tucson (FMNH),

Distribution - United States (Arizona) Mexico (Sonora)

Anoplium tricallosum Knull, 1938: 140, pl. 1, fig. 7; Chemsak, 1977: 173

Xeranoplium tricallosum; Linsley, 1982: 64; Chemsak & Linsley, 1963: 223; Hovore, Penrose & Giesbert, 1978: 99; Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., 1993b: 6 (cat.); Monné, M.A. & Giesbert, 1994: 47 (checklist); Monné, M.A. & Giesbert, 1994: 47; Heffern, 1998: 13; Monné, M.A. & Hovore, 2006: 81 (checklist); Noguera *et al.*, 2009: 88; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 474

Xeranoplium gracile Linsley, 1957: 16; 1962: 84; Chemsak & Linsley, 1963: 222

Type locality - Holotype female: United States, Arizona, Baboquivari Mountains, near Kits Peak (AMNH)

Zamodes LeConte, 1873

Zamodes LeConte, 1873a: 187; 1873b: 302; LeConte & Horn, 1883: 287; Leng, 1884: 115; Bradley, 1930: 232; Linsley, 1962a: 80; Arnett, 1962: 862, 880; Monné, M.A., 1993b: 5 (cat.); Monné, M.A. & Hovore, 2006: 81 (checklist);

Type-species - *Zamodes obscurus* LeConte, 1873 (monotypy).

1. *Zamodes obscurus* LeConte, 1873

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

Zamodes obscurus LeConte, 1873a: 188; Lameere, 1883: 9 (cat.); Leng, 1885b: 134, pl. 3, fig. 8; Blatchley, 1910: 1027; Kirk & Knull, 1926: 22; Linsley, 1962: 80; Chemsak, Linsley & Noguera, 1992: 37 (cat.); Monné, M.A., 1993b: 5; Monné, M.A. & Giesbert, 1994: 47 (checklist); Yanega, 1996: 47, pl. 12, fig. 138; Monné, M.A. & Hovore, 2006: 81 (checklist);

HOLOPLEURINI Chemsak & Linsley, 1974

Holopleurini Chemsak and Linsley, 1974: 183; Monné, M.A., 1994a: 50 (cat.);

Bousquet *et al.*, 2009: 48; Bouchard *et al.*, 2011: 473.

Type genus: *Holopleura* LeConte, 1873

Type species: *Holopleura marginata* LeConte, 1873 designated by Linsley (1962a: 181).

***Holopleura* LeConte, 1873**

Holopleura LeConte, 1873a: 193; 1873b: 310; LeConte & Horn, 1883: 295; Leng, 1886: 31; Bradley, 1930: 240; Linsley, 1961c: 2; 1962: 181; Arnett, 1962: 864, 882; Hatch, 1971: 106; Chemsak & Linsley, 1974a: 183; Monné, M.A., 1994a: 50 (cat.); Monné, M.A. & Hovore, 2006: 86 (checklist);

Type-species - *Holopleura marginata* LeConte, 1873 (Linsley designation, 1962: 181).

1. *Holopleura marginata* LeConte, 1873

Type locality - Holotype male: United States, California: Marin County. (MCZN).

Distribution - From southern British Columbia, including the southern part of Vancouver Island, to California. **Host plants** - *Umbellularia californica* (Hooker & Arnott) Nuttall (Lauraceae), *Abies bracteata* (D. Don) Poiteau, *Pseudotsuga macrocarpa* Vasey, *P. menziesii* (Mirbel) Franco, *P. mucronata* Rafinesque (Pinaceae), *Photinia arbutifolia* Lindley (Rosaceae).

Holopleura marginata LeConte, 1873a: 194; Lameere, 1883: 40 (cat.); Leng, 1886: 32, pl. 3, fig. 2; Essig, 1926: 458, fig. 363 (biol.); Moore, 1937: 90 (distr.); Bedard, 1938: 193 (hosts); Leech, 1945: 18 (distr.); Hardy, 1950: 85 (distr.); Leech, 1955: 40 (hosts); 1959: 44 (hosts); Linsley, 1961c: 15 (distr.); 1962a: 182, fig. 54; Hatch, 1971: 106, pl. 10, fig. 9; Penrose & Westcott, 1974: 234; Hovore & Giesbert, 1976: 354 (hosts); Deyrup, 1977: 182 (paras.); Furniss & Carolin, 1977: 300 (biol.); Cope, 1984a: 29 (hosts); Chemsak, Linsley & Noguera, 1992: 89 (cat.); Napp, 1994: 278; Monné, M.A., 1994a: 50 (cat.); Monné, M.A. & Giesbert, 1994: 133 (checklist); Linsley & Chemsak, 1997: 382 (hosts); Monné, M.A. & Hovore, 2006: 86 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 74, pl.12; Gimmel *et al.*, 2023: 251 (distr.)

Holopleura Helena LeConte, 1873a: 194; Lameere, 1883: 40 (cat.).

Holopleura helena; Fall, 1901: 145 (distr.); Garnett, 1918: 207 (distr.).

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

HYBODERINI Linsley 1940

Hyboderini Linsley, 1940b: 367 (key), 371. Arnett, 1962: 860, 884; Linsley, 1963: 143; Hatch, 1971: 100; Monné, M.A., 1993f: 17 (cat.); Monné, M.A., 2005: 304 (cat.); Bousquet *et al.*, 2009: 48; Bouchard *et al.*, 2011: 474.

Type-genus: *Hybodera* LeConte, 1873.

Type-species: *Hybodera tuberculata* LeConte, 1873 (monotypy)

***Hybodera* LeConte. 1873**

Hybodera LeConte, 1873a: 191; 1873b: 306; LeConte & Horn, 1883: 291; Leng, 1886: 27; Bradley, 1930: 237; Linsley, 1940b: 372; Arnett, 1962: 866, 884; Linsley, 1963: 144; Hatch, 1971: 108; Monné, M.A., 1993f: 17; Monné, M.A. & Hovore, 2006: 86 (checklist);

Type-species - *Hybodera tuberculata* LeConte. 1873 (monotypy).

1. *Hybodera debilis* LeConte, 1874

Syntypes locality - Syntypes male and female: United States, California. (MCZN).

Distribution - United States (Oregon and California). **Host plants** - *Lithocarpus densiflora* Rehde, *Quercus agrifolia* Née, *Q. chrysolepis* Liebmann, *Q. kelloggii* Newberry, *Q. lobata* Née (Fagaceae).

Hybodera debilis LeConte, 1874: 66; Lameere, 1883: 29 (cat.); Leng, 1886: 28; Fall, 1901: 145; Garnett, 1918: 206 (distr.); Leng, 1920: 275 (cat.); Van Dyke, 1925: 175 (hosts); Linsley, 1963: 144, fig. 45; Hatch, 1971: 108, pl. 11, fig. 3; Cope, 1984a: 30 (hosts); Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A., 1993f: 17 (cat.); Monné, M.A. & Giesbert, 1994:

85 (checklist); Linsley & Chemsak, 1997: 382 (hosts); Monné, M.A. & Hovore, 2006: 86 (checklist);

2. *Hybodera tuberculata* LeConte, 1873

Syntypes localities - Syntypes: United States, Oregon. Canada, British Columbia: Vancouver Island. (MCZN). **Distribution** - Pacific coast of North America from British Columbia to southern California. **Host plants** - *Acer macrophyllum* Pursh (Aceraceae), *Aesculus californica* (Spach) Nuttall (Hippocastaneaceae).

Hybodera tuberculata LeConte, 1873a: 191; 1873b: 306; LeConte & Horn, 1883: 291; Lameere, 1883: 29 (cat.); Leng, 1885b: 136, pl. 3, fig. 17; 1886: 28; Garnett, 1918: 206 (distr.); Leng, 1920: 275 (cat.); Van Dyke, 1925: 175 (hosts); Hardy, 1926: 31, pl. 4, fig. 16; Beaulne, 1932: 201 (hosts); Hardy, 1944: 17 (distr.); Linsley, 1963: 145; Tyson, 1966: 204 (hosts); Hatch, 1971: 108; Cope, 1984a: 30 (hosts); Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A., 1993f: 17 (cat.); Monné, M.A. & Giesbert, 1994: 85 (checklist); Linsley & Chemsak, 1997: 383 (hosts); Monné, M.A. & Hovore, 2006: 86 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 47, pl. 4.

Megobrium LeConte, 1873

Megobrium LeConte, 1873a: 193; 1873b: 306; LeConte & Horn, 1883: 291; Leng, 1886: 27; Bradley, 1930: 237; Linsley, 1940b: 374; Arnett, 1962: 867, 884; Linsley, 1963: 149; Monné, M.A., 1993f: 18 (cat.); Monné, M.A. & Hovore, 2006: 86 (checklist);

Type-species - *Megobrium edwardsii* LeConte, 1873 (original designation).

1. *Megobrium edwardsii* LeConte, 1873

Type locality - Holotype female: United States, California: Santa Rosa Island. (MCZN).

Distribution - Coastal southern and central California from San Diego Co. northward to Contra Costa Co. **Host plants** - *Quercus agrifolia* Née (Fagaceae), *Ceanothus* sp. (Rhamnaceae).

Megobrium edwardsii LeConte, 1873a: 306; 1873b: 193; LeConte & Horn, 1883: 291; Leng, 1885b: 136, pl. 3, fig. 18; Fall, 1897: 238 (distr.); 1901: 245 (distr.).

Megobrium edwardsii; Lameere, 1883: 29 (cat.); Leng, 1886: 29; Blaisdell, 1892: 34 (hosts).

Megobrium edwardsii; Beutenmuller, 1896: 75 (hosts); Leng, 1920: 275 (cat.); Moore, 1937: 90 (distr.); Linsley, 1963: 150; Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A., 1993f: 18 (cat.); Monné, M.A. & Giesbert, 1994: 85 (checklist); Linsley & Chemsak, 1997: 396 (hosts); Monné, M.A. & Hovore, 2006: 86 (checklist); Gimmel *et al.*, 2023: 252 (distr.)

Megobrium edwardsii; Garnett, 1918: 206 (distr.)

Pseudopilema Linsley, 1940

Pseudopilema Linsley, 1940b: 371; Arnett, 1962: 860, 884; Linsley, 1963: 142; Hatch, 1971: 100; Monné, M.A., 1993f: 17 (cat.); Monné, M.A. & Hovore, 2006: 86 (checklist);

Type-species - *Callimus hoppingi* Van Dyke, 1920 (original designation).

1. *Pseudopilema hoppingi* (Van Dyke, 1920)

Type locality - Holotype female: United States, California: Placer County. (CASC).

Distribution - United States (California: Sierra Nevada and Coast Ranges from Fresno and Santa Cruz cos. northward to the Oregon border). **Host plants** - *Quercus agrifolia* Née, *Q. chrysolepis* Liebmann (Fagaceae).

Callimus hoppingi Van Dyke, 1920: 36

Pseudopilema hoppingi; Linsley, 1940b: 374; 1963: 148, fig. 47; Hatch, 1971: 109, pl. 11, fig. 5; Cope, 1984a: 33 (hosts); Chemsak, Linsley & Noguera, 1992: 56 (cat.); Monné, M.A., 1993f: 18 (cat.); Monné, M.A. & Giesbert, 1994: 85 (checklist); Linsley & Chemsak, 1997: 426 (hosts); Monné, M.A. & Hovore, 2006: 86 (checklist);

HYLOTRUPINI Zagajkevich, 1991

Hylotrupini Zagajkevich, 1991: 67; Bousquet *et al.*, 2009: 53; Bouchard *et al.*, 2011: 474 ; Bousquet, Laplante, Hammond & Langor, 2017: 50

Type-genus: *Hylotrupes* Audinet-Serville, 1834.

Type-species: *Cerambyx bajulus* Linnaeus, 1758 (monotypy).

***Hylotrupes* Audinet-Serville, 1834**

Hylotrupes Audinet-Serville, 1834b: 77; Mulsant, 1839: 55; LeConte, 1850b: 31; Thomson, 1861: 258; Mulsant, 1863: 104; Thomson, 1864: 266; 1865: 462; Fairmaire *in* Jacquelin DuVal, 1864: 136; Lacordaire, 1869: 45; Girard, 1873: 728; LeConte, 1873b: 296; LeConte & Horn, 1883: 281; Leng, 1884: 61, 98; Reitter, 1912: 41; Planet, 1924: 219; Picard, 1929: 90; Bradley, 1930: 238; Plavilstshikov, 1934: 157; Chagnon, 1938: 258; Plavilstshikov, 1940: 238; Knull, 1946: 206; Villiers, 1946: 83; Gressitt, 1951: 217; Heyrovsky, 1955: 185; Arnett, 1962: 867, 886; Chagnon & Robert, 1962: 254, 258; Linsley, 1964: 14; Monné, M.A., 2005: 42 (cat.).

Type-species - *Cerambyx bajulus* Linnaeus, 1758, original designation.

1. *Hylotrupes bajulus* (Linnaeus, 1758)

Syntypes locality - Syntypes: Europe. (LSUK). **Distribution** - Europe, North Africa, Canary Islands, Madeira, Asia Minor, Middle East (Syria, Lebanon, Israel), northern Iran, Caucasus, Siberia, China, South Africa, Madagascar, Japan, introduced into United States, southern Brazil, Argentina (Santa Fé), and Uruguay. **Host plants** - *Conium* sp. (Apiaceae), *Alnus* sp., *Corylus* sp. (Betulaceae), *Genista* sp. (Fabaceae), *Quercus* sp. (Fagaceae), *Acacia* sp. (Mimosaceae), *Abies cilicica* Antoine & Kotschy, *A. numidica*, De Lannoy ex Carrière, *A. pinsapo* Boissier, *Picea orientalis* Carrière, *Pinus brutia* Tenore, *P. halepensis* Miller, *P. radiata* D. Don (Pinaceae), *Populus* sp. (Salicaceae), *Tamarix* sp. (Tamaricaceae).

Cerambyx bajulus Linnaeus 1758: 396; 1764: 76; 1767: 636.

Callidium bajulus; Fabricius, 1775: 187; 1793: 318; Schoenherr, 1817: 440; Harris, 1838: 95; Laporte, 1840: 454; Harris, 1841: 83.

Callidium baiulus; Fabricius, 1781: 236.

Hylotrupes bajulus; Audinet-Serville, 1834b: 77; LeConte, 1850b: 31; Bland, 1861: 95 (distr.); Thomson, 1864: 266; Burmeister, 1865: 177; Provancher, 1877: 588; Riley, 1880: 238 (hosts); Packard, 1881: 160 (biol.); Leng, 1884: 98; 1885a: pl. 1, fig. 8; Horn, 1886a: 138; Howard, 1889: 128; Hamilton, 1889: 145; Packard, 1890: 702, fig. 237; Hamilton, 1893a: 274; 1894b: 395; Beutenmuller, 1896: 74 (hosts); Wickham, 1897a: 108; Lugger, 1899: 196, fig. 118 (biol.); Ulke, 1903: 25 (distr.); Snow, 1906a: 146 (distr.); 1906b: 170 (distr.); Wickham, 1909a: 28 (distr.); Tremoleras, 1910: 29 (distr.); Blatchley, 1910: 1019; Bruch, 1912: 199 (cat.); Casey, 1912: 271; Aurivillius, 1912: 339 (cat., refs); Fisher & Kirk, 1912: 309 (distr.); Chagnon, 1917: 230 (distr.); Nicolay, 1919: 64 (distr.); Craighead, 1923: 43 (larva); Casey, 1924: 233; Champlain, Kirk & Knull, 1925: 26 (distr.); Snyder, 1927: 34; Zwaluwenburg, 1928: 35 (paras.); Leonard, 1928: 444 (distr.); Craighead & Middleton, 1930: 12 (biol.); Beaulne, 1932: 201 (hosts); Bosq, 1934: 338 (hosts); Saalas, 1936: 96, pl. 9, figs 120, 121; Chagnon, 1938: 258; Brimley, 1938: 214; (distr.); Gemignani & Rodrigues, 1940: 370, pl. 8 (biol.); Hayward, 1941: 92 (biol.); Bosq, 1943a: 30 (hosts); Rosillo, 1944: 26 (hosts); Lepesme, 1944: 196, figs 177, 178 (biol.); Loding, 1945: 119 (distr.); Knull, 1946: 206, pl. 14, fig. 57; Prosen, 1947: 326 (distr.); Craighead, 1950: 248, figs 52A, 55B (biol.); Bosq & Ruffinelli, 1951: 14 (distr.); Duffy, 1953: 207, 214, figs 189-192 (larva, pupa, refs); Ruffinelli & Carbonell, 1953: 60 (hosts); Biezanko & Bosq, 1956: 8 (distr.); Buck, 1959: 591 (distr.); Duffy, 1960: 144, figs 82-86 (larva, pupa); Chagnon & Robert, 1962: 258; Zajciw & Ruffinelli, 1962: 44 (distr.); Linsley, 1964: 16; Santoro, 1966: 59 (hosts); Ruffinelli, 1967: 44 (hosts); Baker, 1972: 206, fig. 73 (biol.); Swan & Papp, 1972: 447, fig. 944; Gosling, 1973: 76 (distr.); Laliberte, Chantal & Larochelle, 1977: 94 (hosts); Furniss & Carolyn, 1977: 300, fig. 179 (biol.); Cannon, 1978: 38; Turnbow & Franklin, 1980: 342 (distr.); Cannon, 1980: 78; Cannon & Robinson, 1980: 39 (biol.); 1981: 458; 1982a: 739; 1982b: 173; 1983: 104; Hovore, Penrose & Neck, 1987: 305 (biol.); Chemsak, Linsley & Noguera, 1992: 62 (cat.); MacRae, 1993: 232 (distr.); Monné, M.A. 1993:36 (cat.); Monné, M.A. & Giesbert, 1994:

106 (checklist); Di Iorio, 1997b: 163 (hosts); Linsley & Chemsak, 1997: 383 (hosts); Monné, M.A., 2001a: 19 (cat. hosts); Di Iorio, 2004d: 672 (distr., hosts); Monné, M. A., 2005: 42 (cat.); Monné, M.A. & Hovore, 2006: 34 (checklist); Lingafelter, 2007: 87, 147, 2 figs, pl. 21c (hosts); McCorquodale, 2010: 468 (distr.); Pacini, 2011: 19 (distr.). Bouchard, 2014: 522; Steury & MacRae, 2014: 10 (distr.); Haack in Wang, 2017: w/page fig. 11.9 (biol., hosts); Bousquet, Laplante, Hammond & Langor, 2017: 50, pl. 5.

Cerambyx caudatus DeGeer, 1775: 86, fig. 22.

Type locality - Holotype: America septentrionalis. (NHRS).

Callidium Linnelanum Laicharting, 1784: 69.

Type locality - Holotype: Austria, Tyrol. (NHMI).

Leptura quadripunctata Geoffroy, 1785: 82.

Syntypes locality - Syntypes: France, Seine: Paris. (MNHN).

Cerambyx similis Marsham, 1802: 335.

Syntypes locality - Syntypes: Britannia. (BMNH).

Hylotrupes baiulus var. *bullatus* Haldeman, 1847a: 36.

Hylotrupes bullatus; LeConte, 1850b: 31.

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

Hylotrupes bullatus var. *lividus* Mulsant, 1839: 56

Type locality - Holotype: France (MNHN).

Hylotrupes Kozirowiczi Desbrochers, 1873: 429.

Type locality - Holotype: France, Corsica: Ajaccio (MNHN).

Callidium asaemoides Pascoe, 1863: 563

Type locality - Holotype: Australia. South Australia, Adelaide. (BMNH).

Hylotrupes inaequalis Casey, 1924: 233; Lingafelter *et al.*, 2014: 79, figs 85s, t (lect. designation).

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

Hylotrupes latus Casey, 1924: 233; Lingafelter *et al.*, 2014: 87, figs 96e, f (holotype).

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

Hylotrupes nematocerus Casey, 1924: 234; Lingafelter *et al.*, 2014: 104, figs 115k, l (holotype).

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

Hylotrupes puncticollis Casey, 1924: 234; Lingafelter *et al.*, 2014: 306, figs 139s, t (holotype).

Type locality - Holotype female: United States, Maryland: Point Lookout. (USNM).

Hylotrupes incertus Casey, 1924: 234; Lingafelter *et al.*, 2014: 79, figs 86i, j (holotype).

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

Hylotrupes pedicellatus Casey, 1924: 235; Lingafelter *et al.*, 2014: 296, figs 129c, d (holotype).

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

Hylotrupes minutus Casey, 1924: 235; Capra, 1927: 132 (syn.); Lingafelter *et al.*, 2014: 100, figs 110u, v (holotype).

Type locality - Holotype male: Central Europe. (USNM).

LISSENOTINI Swainson, 1840

Lissonotinae Swainson, 1840: 289, 291; Bates, 1870: 436.

Lissonotitae Thomson, 1861: 212; 1864: 206.

Lissonotides; Lacordaire, 1869: 208.

Lissonotini; Aurivillius, 1912: 483 (cat.); Bradley, 1930: 230; Linsley, 1962a: 185; Arnett, 1962: 860, 882; Fragoso, Monné, M.A. & Seabra, 1987: 195; Monné, M.A., 1994a: 50 (cat.); Monné, M.A., 2005: 389 (cat.); Bousquet *et al.*, 2009: 49; Bouchard *et al.*, 2011: 474.

Type-genus: *Lissonotus* Dalman, 1817.

Type-species: *Lissonotus biguttatus* Dalman, 1817 designated by Thomson (1864: 207).

***Lissonotus* Dalman, 1817**

Lissonotus Dalman in Schoenherr, 1817: 364; Germar, 1823: 500; Latreille in Cuvier, 1829: 111;

Gray in Griffith & Pidgeon, 1832: 101; Audinet-Serville, 1834b: 56; Dupont, 1836: 6; 1838:

viii, pl. 221, fig. 2; 1838 : vii; Laporte, 1840: 415; Gistel, 1848b : 130 ; Strauch, 1861: 126; Thomson, 1861: 208; 1864: 207; 1865: 433; Lacordaire, 1869: 209; Chenu, 1870: 310; Bates, 1870: 436; LeConte, 1873b: 313; LeConte & Horn, 1883: 298; Leng, 1886: 60; Bradley, 1930: 230; Linsley, 1962a: 185; Arnett, 1962: 860, 882; Monné, M.A., 1993a: 50 (cat.); Monné, M. A., 2005: 389 (cat.); Monné, M.A. & Hovore, 2006: 101 (checklist) Monné, M. A., 2012: 33.

Lissonotus (Lissonotus); Laporte, 1840: 415.

Type-species - *Lissonotus biguttatus* Dalman, 1817 (subsequent designation, Thomson, 1864: 207).

1. *Lissonotus flavocinctus puncticollis* Bates, 1885

Type locality - Holotype: Mexico, Baja California: Cabo San Lucas. (BMNH). **Distribution** - United States (California, Texas), Mexico (Baja California, Sonora, Puebla, Tamaulipas).

Host plants - *Acacia farnesiana* (Linnaeus) Willdenow, *Leucaena pulverulenta* (Schlechtendal) Benth (Mimosaceae).

Lissonotus multifasciatus var. *puncticollis* Bates, 1885: 333.

Lissonotus flavocinctus var. *puncticollis*; Aurivillius, 1912: 484 (cat.); Duffy, 1960: 109 (hosts).

Lissonotus flavocinctus puncticollis; Linsley, 1942: 64; Vogt, 1949: 178 (distr., hosts); Linsley, 1962a: 186, fig. 56; Hovore, 1988: 28 (distr.); Monné, M.A. 1994a: 52 (cat.); Monné, M.A. & Giesbert, 1994: 133 (checklist); Linsley & Chemsak, 1997: 393 (hosts); Monné, M.A., 2001b: 28 (cat. hosts); Monné, M.A., 2005: 391 (cat.); Monné, M.A. & Hovore, 2006: 101 (checklist) Noguera *et al.*, 2009: 88 (distr.); García Morales *et al.*, 2015: 104 (distr.); Amith & Lingafelter, 2017: 308 (distr.); Heffern, Vlasák & Alten, 2018: 744 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 474

Lissonotus multifasciatus; Leng, 1886: 62, pl. 3, fig. 7; Horn, 1894: 338 (distr.); Fall, 1901: 145 (distr.); Grossbeck, 1912: 325 (distr.); Garnett, 1918: 207 (distr.).

Lissonotus lucanus Casey, 1912: 317; Lingafelter *et al.*, 2014: 92, figs 102a, b (holotype).

Type locality – Holotype female: Mexico, Baja California: San José del Cabo. (USNM).

METHIINI Thomson, 1860

Methiitae Thomson, 1860: 5 (key), 127, 128; 1861: 364.

Methitae; Thomson, 1864: 92; 1865: 387.

Méthiides; Lacordaire, 1872: 465.

Methiini; LeConte, 1873b: 347; LeConte & Horn, 1883: 333; Craighead, 1923: 38; Linsley, 1932: 120; 1940c: 29; 1962a: 13; Chemsak & Linsley, 1964b: 40; Martins, Chemsak & Linsley, 1966: 197; Chemsak & Linsley, 1967a: 28; Gilmour, 1968: 88; Villiers, 1980b: 266; Martins & Carvalho, 1984: 214; Monné, M.A., 1993a: 23 (cat.); Browne, Peck & Ivie, 1993: 41; Martins & Galileo, 1997a: 159 (rev.); Philips & Ivie, 1998: 58 (rev.); Martins & Galileo, 2004b: 101; Monné, M.A., 2005: 393 (cat.); Bousquet *et al.*, 2009: 50; Bouchard *et al.*, 2011: 475.

Type-genus: *Methia* Newman, 1842 (replacement name for *Thia* Newman, 1840).

Type-species: *Thia pusilla* Newman, 1840 (monotypy).

Coleomethia Linsley, 1940

Coleomethia Linsley, 1940c: 32; Linsley, 1962a: 44; Martins, Chemsak & Linsley, 1966: 204; Chemsak & Linsley, 1967a: 29 (key); Gilmour, 1968: 89; Martins & Carvalho, 1984: 215; Hovore, 1987a: 6 (rev.); Monné, M. A., 1993a: 23 (cat.); Philips & Ivie, 1998: 60, 82; Monné, M.A., 2005: 393 (cat.); Monné, M.A. & Hovore, 2006: 101 (checklist); Monné, M.A., 2012: 33.

Type species - *Methia evaniformis* Knull, 1937 (original designation) [= *Methia xanthocollis* Knull, 1935].

1. *Coleomethia xanthocollis* (Knull, 1935)

Type locality - Holotype male: United States, Texas: Davis Mountains. (Ohio State University, Columbus). **Distribution** - United States, Texas (Davis and Chisos Mts.). **Host plants** - *Quercus* sp. (Fagaceae).

Methia xanthocollis Knoll, 1935a: 98; Linsley, 1962a: 33.

Coleomethia xanthocollis; Hovore, 1987: 8 (syn.); Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A., 1993a: 29 (cat.); Monné, M.A. 1993a: 29 (cat.); Monné, M.A. & Giesbert, 1994: 29 (checklist); Philips & Ivie, 1987: 82, figs 81-83, 86,87, 99; Monné, M.A. & Hovore, 2006: 101 (checklist);

Methia evaniformis Knoll, 1937b: 306, pl. 1, fig. 3; Chemsak, 1977a: 176 (types).

Type locality - Holotype female: United States, Texas: Davis Mts, (FMNH).

Coleomethia evaniformis; Linsley, 1940c: 32; 1959: 126; 1962: 33; Martins, Chemsak & Linsley, 1966: 205; Linsley & Chemsak 1997: 256 (hosts); Van Pelt, 2002: 128.

***Methia* Newman, 1842**

Methia Newman, 1842c: 418; LeConte, 1852: 144; Thomson, 1860: 128; 1861: 364; 1864: 92; 1865: 387; Lacordaire, 1872: 466; LeConte, 1873b: 348; LeConte & Horn, 1883: 334; Melzer, 1923a: 3; Linsley, 1932: 121; 1940c: 36; Linsley, 1962a: 25; Chemsak & Linsley, 1964b: 52 (key spp.); Martins, Chemsak & Linsley, 1966: 205; Chemsak & Linsley, 1967a: 30 (key); Gilmour, 1968: 90, 92 (key spp.); Zayas, 1975: 52; Villiers, 1980b: 268; Martins & Carvalho, 1984: 215; Browne, Peck & Ivie, 1993: 41; Monné, M. A., 1993a: 23 (cat.); Martins & Galileo, 1997a: 165 (rev.); Philips & Ivie, 1998: 63 (rev.); Monné, M.A., 2005: 394 (cat.); Monné, M.A. & Hovore, 2006: 102 (checklist); Monné, M.A., 2012: 33.

Type-species - *Thia pusilla* Newman, 1840 (monotypy).

Thia Newman, 1840b: 18.

Tessaropa Haldeman, 1847b: 375; Casey, 1914: 371; Linsley, 1932: 120; 1940c: 30; Zajciw, 1957: 304 (key); Linsley, 1962a: 37; Martins, Chemsak & Linsley, 1966: 203; Chemsak & Linsley, 1967a: 29 (key); Gilmour, 1968: 90 (key); Zayas, 1975: 54; Martins & Carvalho, 1984: 215; Monné, M. A., 1993a: 31 (cat.); Martins & Galileo, 1997a: 172 (rev.); Philips & Ivie, 1998: 81; Monné, M.A., 2005: 400 (cat.); Monné, M.A., 2012: 34.

Type-species - *Molorchus tenuipes* Haldeman, 1846 (subsequent designation, Thomson, 1864: 93).

Dysphaga LeConte, 1852: 143; Thomson, 1860: 128; 1864: 93; 1865: 387; Lacordaire, 1872: 467; LeConte, 1873b: 348; LeConte & Horn, 1883: 334; Leng & Hamilton, 1896: 162.

Type-species - *Molorchus tenuipes* Haldeman, 1846 (subsequent designation, Thomson, 1864: 93).

Tessaroptes Gemminger & Harold, 1873: 3063 (cat., emend.).

Staphylinoeme Gounelle, 1913: 197.

Type-species - *Staphylinoeme tubuliventris* Gounelle, 1913 (monotypy).

1. *Methia acostata* Linsley, 1940

Type locality - Holotype male: United States, Arizona. (FMNH). **Distribution** - United States (Arizona).

Methia acostata Linsley, 1940a: 287; 1962: 35; Chemsak, 1977a: 176 (types); Lewis, 1979: 23; Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A., 1993a: 23 (cat.); Monné, M.A. & Giesbert, 1994: 29 (checklist); Monné, M.A. & Hovore, 2006: 102 (checklist);

2. *Methia aestiva* Fall, 1907

Syntypes locality - Syntypes male and female: United States, California: Pasadena. (MCZN).

Distribution - United States (Central and southern California). **Host plants** - *Quercus agrifolia* Née (Fagaceae).

Methia aestiva Fall, 1907: 86; Garnett, 1918: 284 (distr.); Moore, 1937: 87; Linsley, 1962a: 29 (syn.); Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A., 1993a: 23 (cat.); Monné, M.A. & Giesbert, 1994: 29 (checklist); Linsley & Chemsak, 1997: 397 (hosts); Monné, M.A. & Hovore, 2006: 102 (checklist);

Methia mormona; Fall 1901: 151 (not Linell, 1898).

Methia fragilis Linsley, 1932: 121

Type locality - Holotype male: United States, California: Orange County, Santa Ana Canyon. (CASC).

3. *Methia arizonica* Schaeffer, 1908

Syntypes locality - Syntype female: United States, Arizona: Rincon Mountains. (USNM).

Distribution - Eastern and southern Arizona. **Host plants** - *Olneya tesota* A. Gray (Fabaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Methia arizonica Schaeffer, 1908: 352; Linsley, 1936b: 199 (hosts); 1962: 30; Cope, 1984a: 30 (hosts); Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A., 1993a: 24 (cat.); Monné, M.A. & Giesbert, 1994: 29 (checklist); Linsley & Chemsak, 1997: 397 (hosts); Monné, M.A. & Hovore, 2006: 102 (checklist); Lingafelter *et al.*, 2014: 19, fig. 19w (syntype).

4. *Methia bicolor* (Horn, 1885)

Type locality - Holotype: United States, Texas. (ANSP). **Distribution** - United States, Texas.

Dysphaga bicolor Horn, 1885a: 196; 1895: 247; Leng & Hamilton, 1896: 164.

Tessaropa bicolor; Aurivillius, 1912: 39 (cat.).

Methia bicolor; Linsley, 1940c: 31; 1962: 33; Hovore, 1987: 14; Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A., 1993a: 24 (cat.); Monné, M.A. & Giesbert, 1994: 29 (checklist); Monné, M.A. & Hovore, 2006: 102 (checklist);

5. *Methia brevis* Fall, 1929

Type locality - Holotype male: United States, California: San Diego Co. (MCZN).

Distribution - United States (western Arizona to southern California), Mexico (northern Baja California). **Host plants** - *Bernardia myricaefolia* Benth & Hooker f. (Euphorbiaceae), *Dalea fremontii* Torrey ex A. Gray (Fabaceae).

Methia brevis Fall, 1929: 58; Linsley, 1934b: 59; 1942: 29; 1962a: 32; Chemsak & Linsley, 1964b: 60; Gilmour, 1968: 97; Cope, 1984a: 31 (hosts); Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A. 1993a: 24 (cat.); Monné, M.A. & Giesbert, 1994: 29 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Linsley & Chemsak, 1997: 397 (hosts); Monné, M.A., 2001b: 29 (cat. hosts); Monné, M.A., 2005: 395 (cat.); Monné, M.A. & Hovore, 2006: 102 (checklist); Swift, 2008a: 3 (distr., hosts).

6. *Methia carinata* Linsley, 1940

Type locality - Holotype female: United States, Arizona: Hualpai. (FMNH). **Distribution** - United States (Arizona).

Methia carinata Linsley, 1940b: 289; 1962a: 27; Chemsak, 1977a: 176 (types); Lewis, 1979: 22 (distr.); Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A., 1993a: 24 (cat.); Monné, M.A. & Giesbert, 1994: 29 (checklist); Monné, M.A. & Hovore, 2006: 102 (checklist);

7. *Methia curvipennis* Chemsak & Linsley, 1965

Type locality - Holotype male: United States, California: Riverside County, Deep Canyon. (CASC). **Distribution** - United States (California). **Host plants** - *Prunus fremonti* Watson (Rosaceae).

Methia curvipennis Chemsak & Linsley, 1965a: 143; Cope, 1984a: 31 (hosts); Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A., 1993a: 25 (cat.); Monné, M.A. & Giesbert, 1994: 30 (checklist); Monné, M.A. & Hovore, 2006: 102 (checklist);

8. *Methia dubia* Linsley, 1940

Type locality - Holotype male: United States, Arizona: Wickenburg. (FMNH). **Distribution** - United States (Arizona).

Methia dubia Linsley, 1940b: 286; 1962: 34; Chemsak, 1977a: 176; Lewis, 1979: 22 (distr.); Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A., 1993a: 25 (cat.); Monné, M.A. & Giesbert, 1994: 30 (checklist); Monné, M.A. & Hovore, 2006: 102 (checklist);

9. *Methia falli* Martin, 1920

Type locality - Holotype male: United States, California: Desert side of the San Bernardino Mts., near Hesperia at the junction of Deep Creek with the Mojave River. (CASC).

Distribution - United States (California).

Methia falli Martin, 1920: 215; Linsley, 1962a: 28; Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A., 1993a: 25 (cat.); Monné, M.A. & Giesbert, 1994: 30 (checklist); Monné, M.A. & Hovore, 2006: 102 (checklist);

10. *Methia flavicornis* Casey, 1924

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

Methia flavicornis Casey, 1924: 257; Linsley, Knull & Statham, 1961: 9 (distr.); Linsley, 1962a: 31; Lewis, 1979: 22 (distr.); Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A., 1993a: 25 (cat.); Monné, M.A. & Giesbert, 1994: 30 (checklist); Monné, M.A. & Hovore, 2006: 102 (checklist); Lingafelter *et al.*, 2014: 63, fig. 67u (holotype).

11. *Methia juniperi* Linsley, 1937

Type locality - Holotype male: United States, California: Palmdale, Mojave Desert. (CASC).

Distribution - United States, California: southern margins of the Mojave Desert. **Host plants** – *Juniperus californica* Afonso-Carrillo (Cupressaceae).

Methia juniperi Linsley, 1937: 64; Keen, 1952: 47 (hosts); Linsley, 1962a: 35; Chemsak, Linsley & Noguera, 1992: 28 (cat.); Monné, M.A., 1993a: 26 (cat.); Monné, M.A. & Giesbert, 1994: 30 (checklist); Linsley & Chemsak, 1997: 397 (hosts); Monné, M.A. & Hovore, 2006: 101 (checklist);

12. *Methia knulli* Linsley, 1940

Type locality - Holotype female: United States, Arizona: Hualpai. (FMNH). **Distribution** - United States (Arizona).

Methia knulli Linsley, 1940b: 288; 1962: 34; Chemsak, 1977a: 176 (type); Lewis, 1979: 22 (distr.); Chemsak, Linsley & Noguera, 1992: 28 (cat.); Monné, M.A., 1993a: 26 (cat.); Monné, M.A. & Giesbert, 1994: 30 (checklist); Monné, M.A. & Hovore, 2006: 102 (checklist);

13. *Methia lata* Knull, 1958

Type locality - Holotype female: United States, Texas: Chisos Mountains. (FMNH).

Distribution - United States (Texas, Arizona).

Methia lata Knull, 1958b: 282; Linsley, 1962a: 30; Chemsak, 1977a: 176 (types); Lewis, 1979: 22 (distr.); Chemsak, Linsley & Noguera, 1992: 28 (cat.); Monné, M.A., 1993: 26 (cat.); Monné, M.A. & Giesbert, 1994: 30 (checklist); Van Pelt, 2002: 128; Monné, M.A. & Hovore, 2006: 102 (checklist);

14. *Methia mormona* Linell, 1897

Type locality - Holotype: United States, Utah: Salt Lake City. (USNM). **Distribution** - United States (Colorado and Utah to New Mexico and southern Arizona), Mexico (Chihuahua). **Host plants** - *Berberis harrisoniana* Kearney & Peebles (Berberidaceae),

Juniperus deppeana Steudel (Cupressaceae), *Robinia neomexicana* (Fabaceae), *Quercus muehlenbergi* (Fagaceae), *Juglans major* A.A. Heller (Juglandaceae), *Salix* sp. (Salicaceae).

Methia mormona Linell, 1897: 399; Schaeffer, 1908: 331; Linsley, 1937: 64; 1962a: 29, fig. 15; Chemsak & Linsley, 1964b: 55; Gilmour, 1968: 95; Cope, 1984a: 31 (hosts); Chemsak, Linsley & Noguera, 1992: 28 (cat.); Monné, M.A. 1993a: 26 (cat.); Monné, M.A. & Giesbert,

1994: 30 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Linsley & Chemsak, 1997: 397 (hosts); Heffern, 1998: 12 (distr.); Monné, M.A., 2001b: 29 (cat. hosts); Monné, M.A., 2005: 396 (cat.); Monné, M.A. & Hovore, 2006: 102 (checklist); Lingafelter *et al.*, 2014: 361 (holotype presumed lost); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 474

Methia mormonica; Casey, 1924: 257 (error).

Methia delicata Casey, 1924: 257; Lingafelter *et al.*, 2014: 51, figs 54m, n (holotype).

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

15. *Methia necydalea* (Fabricius, 1787)

Syntypes locality - Syntypes: "America Meridionali Insulae St. Thomas". (ZMUC).

Distribution - United States, Mexico (Nuevo León, Tamaulipas, San Luis Potosí, Oaxaca, Chiapas, Quintana Roo, Campeche), Belize, Puerto Rico, Cuba, Bahamas, Haiti, Dominican Republic, Cayman Islands, Virgin Islands, Lesser Antilles, Grenada, St. Barthelemy, St. Martin, Antigua, St. Lucia, St. Vincent, Désirade, Dominica, Les Saintes, Nevis, Marie Galante, Guadeloupe, Martinique, Barbados, Guana, Mona, Montserrat, Saba, St. Croix, St. Eustache, St. Johns, St. Kitts, St. Thomas, Union. **Host plants** - *Amyris* sp. (Burseraceae), *Celtis lindheimeri* Engelm., *C. pallida* Torrey (Cannabaceae), *Conocarpus erectus* Linnaeus, *Laguncularia racemosa* (Linnaeus) Gaertner f. (Combretaceae), *Sloanea massoni* Swartz (Elaeocarpaceae), *Quercus myrtifolia*, *Quercus phellos* Linnaeus, *Q. virginiana* Miller (Fagaceae), *Inga fagifolia* Willdenow ex Benth., *I. ingoides* Willdenow, *I. laurina* Willdenow, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Eugenia* sp. (Myrtaceae), *Rhizophora mangle* Linnaeus (Rhizophoraceae), *Zanthoxylum fagara* (Linnaeus) Sargent (Rutaceae), *Taxodium distichum* (Linnaeus) Richard (Taxodiaceae), *Avicennia germinans* (Linnaeus) Stearn (Verbenaceae).

Saperda necydalea Fabricius, 1798: 148.

Saperda necydalina; Fabricius, 1801: 332; Schoenherr, 1817: 439 (unjustified emendation).

Methia necydalea; Gahan, 1895: 122; Leng & Mutchler, 1914: 444 (distr.); Wolcott, 1924: 109; Gowdey, 1926: 21 (distr.); Wolcott, 1936: 259 (hosts); 1941: 98; 1948: 334; Beatty, 1944: 141 (distr.); Ramos, 1946: 41 (distr.); Cazier & Lacey, 1952: 46, fig. 13; Linsley, 1962a: 37; Gilmour, 1963: 96; 1968: 97; Chemsak & Linsley, 1964c: 159; Chemsak, 1966a: 211; 1967b: 182 (distr.); 1969a: 186 (distr.); Zayas, 1975: 52; Villiers, 1980a: 130; 1980b: 269, fig. 24-28; Chemsak, Linsley & Noguera, 1992: 28 (cat.); Browne, Peck & Ivie, 1993: 41 (distr.); Monné, M.A. 1993a: 24 (cat.); Monné, M.A. & Giesbert, 1994: 30 (checklist); Philips & Ivie, 1998: 72, figs 1-6, 15-22, 25-30, 33-36, 39-55, 58-71, 92, 97 (syn.); Monné, M.A., 2001b: 29 (cat. hosts); Vitali & Rezbanyai-Reser, 2003: 6, figs 4 a-b; Lingafelter & Micheli, 2004: 50 (distr.); Monné, M.A., 2005: 396 (cat.); Chalumeau & Touroult, 2005: 71, fig. 23; Peck, 2005: 167 (distr.); 2006a: 191 (distr.); Monné, M.A. & Hovore, 2006: 102 (checklist); Lingafelter, 2007: 40, 147, 2 figs, pl. 10h; Touroult, 2007: 6 (distr.); Perez-Gelabert, 2008: 119 (distr.); Ivie *et al.*, 2008: 257 (distr.); Turnbow & Thomas, 2008: 20 (distr.); Fernández García, Favila Castillo & López Iborra 2009: 322 (distr.); Peck, 2009: 20 (distr.); 2010: 50 (distr.); 2011a: 35 (distr., hosts); 2011b: 33 (distr., hosts); Micheli, 2010: 128, pl. 34; Thomas, Turnbow & Steiner, 2013: 19 (distr.); Peck, Thomas & Turnbow, 2014: 91 (distr.); Devesa, Fonseca & Barro, 2015: 30, 104, figs 11; Peck, 2016: 172, pl. 45 (distr., hosts).

Thia pusilla Newman, 1840b: 18; LeConte, 1878b: 470 (distr.); Philips & Ivie, 1998: 72 (lect.).

Methia pusilla; Newman, 1842c: 418; LeConte, 1852: 144; White, 1855: 243; Chevrolat, 1862a: 256; Thomson, 1864: 92; Lacordaire, 1872: 467; LeConte, 1873b: 348; Horn, 1885b: 6; Schwarz, 1888: 93 (hosts); Fleutiaux & Sallé, 1889: 468; Gundlach, 1891: 218; Leng & Hamilton, 1896: 162; Craighead, 1923: 41 (larva); Linsley, 1940c: 37; Cazier & Lacey, 1952: 46; Linsley, 1962a: 36, fig. 15; Gilmour, 1968: 94; Turnbow & Wappes, 1978: 367 (distr.); Turnbow & Hovore, 1979: 220 (distr.); Turnbow & Franklin, 1980: 341; Turnbow & Wappes, 1981: 75; Chemsak, Linsley & Noguera, 1992: 28 (cat.); Touroult, 2004: 130 (hosts); Dalens & Touroult, 2007: 291 (distr.).

Type locality - Lectotype male: United States, East Florida. (BMNH).

Methia punctata LeConte, 1873a: 240; Lameere, 1883: 57 (cat.); Gundlach, 1894: 327; Leng & Hamilton, 1896: 163; Leng & Mutchler, 1914: 444 (distr.); Wolcott, 1924: 109; 1948: 334; Gilmour, 1968: 99; Zayas, 1975: 53; Philips & Ivie, 1998: 72 (lect.).

Type locality - Lectotype male: Cuba, San Domingo. (IESC).

Methia constricticollis Schaeffer, 1908: 351; Linsley, 1962a: 31; Chemsak & Linsley, 1964b: 57 (distr.); 1964c: 160 (distr.); Gilmour, 1968: 96; Turnbow & Wappes, 1978: 367 (hosts); Hovore, Penrose & Neck, 1987: 395; Chemsak & Feller, 1988: 181; Chemsak, Linsley & Noguera, 1992: 27 (cat.); Noguera & Chemsak, 1996: 396 (cat.); Linsley & Chemsak, 1997: 397 (hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Lingafelter *et al.*, 2014: 45, figs 47m, n (holotype); García Morales *et al.*, 2015: 104 (distr.).

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

Methia pallida Fisher, 1932: 6; Gilmour, 1968: 94; Chemsak, Linsley & Noguera, 1992: 28 (cat.); Lingafelter *et al.*, 2014: 294, figs 126k, l (holotype).

Type locality - Holotype male: Haiti, Port-au-Prince. (USNM).

Methia pulchra Chemsak & Linsley, 1964c: 159; Gilmour, 1968: 96; Chemsak, Linsley & Noguera, 1992: 28 (cat.); Noguera & Chemsak, 1996: 396 (cat.); Lingafelter *et al.*, 2014: 305, figs 138u, v (holotype).

Type locality - Holotype female: Mexico, Quintana Roo: Isla Cozumel. (USNM).

Methia insularum Chemsak, 1966a: 210; Gilmour, 1968: 97; Chemsak, Linsley & Noguera, 1992: 28 (cat.); Lingafelter *et al.*, 2014: 81, figs 88w, x (holotype).

Type locality - Holotype male: Virgin Islands, Virgin Gorda: Prickly Pear Isl. (Vixen Point). (USNM).

Methia impressicollis Chemsak, 1966a: 211; Gilmour, 1968: 96; Chemsak, Linsley & Noguera, 1992: 28 (cat.); Lingafelter *et al.*, 2014: 79, figs 85q, r (holotype).

Type locality - Holotype female: Virgin Islands, Jost Van Dyke, Little Harbor. (USNM).

Methia rhizophorae Chemsak & Feller, 1988: 181; Chemsak, Linsley & Noguera, 1992: 28 (cat.); Lingafelter *et al.*, 2014: 309, figs 143m, n (holotype).

Type locality - Holotype female: Belize, Twin Cays. (USNM).

16. *Methia robusta* Linsley, 1940

Type locality - Holotype male; United States, California: Claremont. (CASC). **Distribution** - United States (Southern California).

Methia robusta Linsley, 1940b: 285; 1962: 32; Chemsak, Linsley & Noguera, 1992: 28 (cat.); Monné, M.A., 1993a: 28 (cat.); Monné, M.A. & Giesbert, 1994: 30 (checklist); Monné, M.A. & Hovore, 2006: 102 (checklist);

17. *Methia tenuipes* (Haldeman, 1845)

Type locality - Holotype female: United States, Pennsylvania. (MCZN). **Distribution** - Eastern North America: New York to Georgia, Illinois and eastern Texas. **Host plants** - *Ostrya virginiana* (Miller) K. Koch (Betulaceae), *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Viburnum acerifolium* (Caprifoliaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Castanea dentata* (Marshall) Borkhausen, *Fagus grandifolia* Ehrhart, *Quercus alba* Linnaeus (Fagaceae), *Hamamelis virginiana* Linnaeus (Hamamelidaceae), *Carya tomentosa* Nuttall, *Juglans nigra* Linnaeus (Juglandaceae), *Prunus* sp. (Rosaceae).

Molorchus tenuipes Haldeman, 1845: 126.

Dysphaga tenuipes LeConte, 1852: 143 (hosts); Thomson, 1860: 128; 1864: 93; Le Conte, 1880a: 237 (hosts); Riley, 1880: 271 (biol.); Packard, 1881: 72 (biol.); LeConte & Horn, 1883: 334; Luger, 1884: 204 (hosts); Packard, 1890: 291; Chittenden, 1894: 101 (hosts); Horn, 1895: 247; Leng & Hamilton, 1896: 163; Beutenmuller, 1896: 81 (hosts); Smith, 1900: 298 (distr.); Ulke, 1903: 27, 51 (distr.); Girault, 1904: 299 (biol.); Fisher & Kirk, 1912: 316 (distr.); Craighead, 1923: 40 (larva); Knull, 1932: 62 (biol.).

Tessaropa tenuipes; Melsheimer, 1853: 107 (cat.); Kirk & Knull, 1926: 22 (distr.); Leonard, 1928: 434 (distr.); Barrett, 1932: 291 (hosts); Linsley, 1940c: 31 (rev.); Knull, 1946: 189, pl. 10, fig. 39; Sherman, 1946: 126 (distr.); Linsley, 1962a: 37, figs 13, 15; Peck, 1963: 955 (paras.); Turnbow & Franklin, 1980: 341 (distr.); Arnett, 1985: 361, fig. 24.180; Chemsak, Linsley &

Noguera, 1992: 29 (cat.); MacRae, 1993: 228 (distr.); Monné, M.A., 1993a: 32 (cat.); Lingafelter & Horner, 1993: 165 (distr.); Monné, M.A. & Giesbert, 1994: 31 (checklist); Yanega, 1996: 45, pl. 15, fig. 174; Linsley & Chemsak, 1997: 441 (hosts); Schiefer, 1998: 116 (distr.); Philips & Ivie, 1998: 82, figs 72-74, 88-90, 98; Monné, M.A. & Hovore, 2006: 103 (checklist); MacRae & Rice, 2007: 244 (distr.); Lingafelter, 2007: 40, 150, 2 figs, pl. 10f (hosts); Holt, 2013: 249 (distr., hosts); Vlasák, 2014: 318 (hosts); Steury & MacRae, 2014: 11 (distr.); Haack, 2017: 110 (biol.); Heffern, Vlasák & Alten, 2018: 746 (hosts)

Methia tenuipes; Bezark & Santos-Silva, 2019: 73.

Tessaroptes tenuipes; Gemminger & Harold, 1873: 3063 (cat.).

Tessaropa ventralis Haldeman, 1847c: 375; Melsheimer, 1853: 107 (cat.).

Dysphaga ventralis; LeConte, 1852: 144; Thomson, 1860: 128; Lacordaire, 1868: 467.

Tessaroptes ventralis; Gemminger & Harold, 1873: 3063 (cat.).

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

Dysphaga laevis LeConte, 1873a: 140; 1873b: 348; LeConte & Horn, 1883: 334; Horn, 1885a: 197; Horn, 1895: 247; Leng & Hamilton, 1896: 163; Ulke, 1903: 27, 51 (distr.); Blatchley, 1910: 1095.

Tessaroptes laevis; Lameere, 1883: 53 (cat.).

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

Tessaropa apicalis Casey, 1914: 371; Lingafelter *et al.*, 2014: 18, fig. 18A (holotype).

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

***Styloxus* LeConte, 1873**

Styloxus LeConte, 1873a: 239; 1873b: 348; LeConte & Horn, 1883: 334; Linsley, 1932: 122 (syn.); 1940c: 34; 1962a: 39; Zajciw, 1957: 305 (key); Chemsak & Linsley, 1964b: 47 (key); Martins, Chemsak & Linsley, 1966: 205; Chemsak & Linsley, 1967a: 31; Gilmour, 1968: 89 (key); Martins & Carvalho, 1984: 215; Monné, M. A., 1993a: 30 (cat.); Monné, M. A., 2005: 399 (cat.); Monné, M.A. & Hovore, 2006: 103 (checklist); Monné, M.A., 2012: 33.

Type-species - *Styloxus lucanus* LeConte, 1873 (monotypy).

Idoemea Horn, 1880a: 137; LeConte & Horn, 1883: 334.

Type-species - *Idoemea fulleri* Horn, 1880 (monotypy).

Malthopia Casey, 1912: 308.

Malthopia; Casey, 1918: 415. (error).

Type-species - *Malthopia oculata* Casey, 1912 (original designation).

1. *Styloxus bicolor* (Champlain & Knull, 1922)

Type locality - Holotype: United States, New Mexico: Jemez Springs. (FMNH).

Distribution - Southwestern United States from New Mexico to California. **Host plants** - *Cupressus arizonica* Greene, *Juniperus californica* Afonso-Carrillo, *J. deppeana* Steudel *Juniperus osteoperma* (Cupressaceae).

Idoemea bicolor Champlain & Knull, 1922: 145; Chemsak, 1977a: 175 (type).

Styloxus bicolor; Linsley, 1932: 122 (syn.); 1936: 199 (hosts); Keen, 1952: 47 (hosts); Linsley, Knull & Statham, 1961: 11 (biol.); Linsley, 1962a: 41; Furniss & Carolin, 1977: 306, fig. 185 (biol.); Lewis, 1979: 23 (distr.); Itami & Craig, 1989: 582 (biol.); Chemsak, Linsley & Noguera, 1992: 29 (cat.); Monné, M. A., 1993a: 30 (cat.); Monné, M.A. & Giesbert, 1994: 30 (checklist); Linsley & Chemsak, 1977a: 440 (hosts); Philips & Ivie, 1998: 82, figs 75-77, 84, 85, 94, 95 (morphol.); Vlasák, 2004: 318 (hosts); Monné, M.A. & Hovore, 2006: 103 (checklist); Haack, Keena & Eyre, 2017: 89 (biol).

Styloxus ruficeps Van Dyke, 1927: 100

Type locality - Holotype male: United States, Arizona: Mount Washington, near Nogales. (CACS).

2. *Styloxus fulleri fulleri* (Horn, 1880)

Type locality - Holotype male: United States, Texas. (ANSP). **Distribution** - Texas to southern California & Oregon. **Host plants** - *Celtis reticulata* Torrey (Cannabaceae).
Idoemea Fulleri Horn, 1880a: 138, pl. 2, fig. 10; Lameere, 1883: 53 (cat.);
Idoemea fulleri; Leng & Hamilton, 1896: 162; Garnett, 1918: 284 (distr.); Loding, 1945: 114 (distr.).
Styloxus fulleri; Linsley, 1932: 122; 1962: 40; Chemsak & Linsley, 1964b: 49; Furniss & Carolin, 1977: 306 (hosts); Chemsak, Linsley & Noguera, 1992: 29 (cat.); Philips & Ivie, 1998: 82; Gimmel *et al.*, 2023: 252 (distr.)
Styloxus fulleri fulleri; Linsley, 1962a: 40, fig. 15; Hovore, Penrose & Neck, 1987: 295 (distr.); Monné, M.A., 1993: 30 (cat.); Monné, M.A. & Giesbert, 1994: 30 (checklist); Monné, M.A. & Hovore, 2006: 103 (checklist); MacRae & Rice, 2007: 244 (distr., hosts)
Idoemea texana Schaeffer, 1908: 351; Lingafelter *et al.*, 2014: 332, fig. 169u (holotype).
Styloxus texanus; Linsley, 1932: 122
Type locality - Holotype male: United States, Texas: Burnett County. (USNM).

2a. *Styloxus fulleri californicus* (Fall, 1901)

Syntypes locality - Syntypes: United States, California: Pasadena. (MCZN). **Distribution** - United States (California), Mexico (Baja California Norte). **Host plants** - *Quercus kelloggii*, *Quercus agrifolia* Née (Fagaceae).
Idoemea californica Fall, 1901: 256; Van Dyke, 1927: 101 (syn.).
Styloxus californicus; Linsley, 1932: 122; 1936b: 199 (hosts).
Styloxus fulleri californicus; Linsley, 1962a: 40, fig. 15; Chemsak, Linsley & Noguera, 1992: 29 (cat.); Monné, M.A. 1993a: 30 (cat.); Monné, M.A. & Giesbert, 1994: 31 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 440 (hosts); Monné, M.A., 2001b: 30 (cat. hosts); Monné, M.A., 2005: 399 (cat.); Monné, M.A. & Hovore, 2006: 103 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 474
Malthopia oculata Casey, 1912: 309; Lingafelter *et al.*, 2014: 291, figs 122u, v (holotype).
Type locality - Holotype male: United States, California: San Diego. (USNM).

3. *Styloxus oblatipilis* Chemsak & Linsley, 1964

Type locality - Holotype male: Mexico, Tamaulipas: Villagran. (CASC). **Distribution** - United States (Texas), Mexico (Tamaulipas).
Styloxus oblatipilis Chemsak & Linsley, 1964b: 50.
Styloxus oblatipilis; Chemsak & Linsley, 1964c: 160; Chemsak, Linsley & Noguera, 1992: 29 (cat.); Monné, M.A. 1993a: 31 (cat.); Monné, M.A. & Giesbert, 1994: 31 (checklist); Noguera & Chemsak, 1996: 397 (cat.); Heffern, 2001: 94 (distr.); Ruíz Cancino & Coronado Blanco, 2002: 104 (distr.); Monné, M.A., 2005: 399 (cat.); Monné, M.A. & Hovore, 2006: 103 (checklist); García Morales *et al.*, 2015: 104 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 474

MOLORCHINI Gistel, 1848

Molorchidae Gistel, 1848a: [9].
Molorchates Mulsant, 1863: 223.
Molorchites; Fairmaire *in* Jacquelin DuVal, 1864: 152.
Molorchides; Lacordaire, 1868: 482.
Molorchinae; Pascoe, 1869: 553, 562; Bates, 1870: 314.
Molorchini; Gahan, 1906: 169; Aurivillius, 1912: 263 (cat.); Bradley, 1930: 229, 237; Linsley, 1940b: 371; Duffy, 1953: 189; 1957: 120; Heyrovsky, 1955: 165; Arnett, 1962: 860, 884; Linsley, 1963: 156; Hatch, 1971: 100; Monné, M.A., 1993g: 2 (cat.); Monné, M.A., 2005: 400 (cat.); Bousquet *et al.*, 2009: 50; Bouchard *et al.*, 2011: 475.
Type-genus: *Molorchus* Fabricius, 1793.

Type-species: *Necydalis umbellatarum* Schreber, 1759 designated by Curtis (1824: pl. 11). Comment. See Bousquet (2008: 620) for a discussion of the type species of *Molorchus* Fabricius.

***Molorchus* Fabricius, 1793**

Molorchus Fabricius, 1793: 356; Latreille, 1804: 302; Illiger, 1804: 119; Stephens, 1831: 251; Mulsant, 1839: 197; Laporte, 1840: 442; Blanchard, 1845: 150; Thomson, 1861: 162; 1864: 150; Mulsant, 1863: 223; Lacordaire, 1868: 486; Girard, 1873: 733; LeConte, 1873b: 307; Provancher, 1877: 579, 593; LeConte & Horn, 1883: 292; Leng, 1886: 27, 30; Gahan, 1906: 169; Blatchley, 1910: 1028; Bradley, 1930: 237; Chagnon, 1938: 261; Linsley, 1940b: 375 Knull, 1946: 202; Heyrovsky, 1955: 169; Arnett, 1962: 860, 884; Chagnon & Robert, 1962: 255, 261; Linsley, 1963: 156; Monné, M.A., 1993g: 2 (cat.); Monné, M. A., 2005: 401 (cat.); Monné, M.A. & Hovore, 2006: 103 (checklist); Monné, M. A., 2012: 34.; Bousquet, Laplante, Hammond & Langor, 2017: 48 (key spp.)

Type-species - *Necydalis umbellatarum* Schreber, 1759 (subsequent designation, Curtis, 1824: pl. 11).

Heliomanes Newman, 1840b: 17; 1840c: 20; LeConte, 1850b: 21; Thomson, 1864: 150.

Type-species - *Heliomanes sidus* Newman, 1840 (monotypy).

Glaphyra Newman, 1840b: 19; LeConte, 1850b: 38.

Type-species - *Glaphyra semiusta* Newman, 1840 (monotypy).

Laphyra Newman, 1842c: 418 (*nom. nov. pro Glaphyra* Newman, 1840, not *Glaphyrus* Latreille).

Caenoptera Thomson, C. G., 1859: 150; Reitter, 1912: 26.

Type-species - *Necydalis minor* Linnaeus, 1758 (original designation).

Linomius Mulsant, 1863: 226.

Caenoptera (*Linomius*); Reitter, 1912: 27.

Type-species - *Necydalis umbellatarum* Linnaeus, 1767 (monotypy).

Sinolus Mulsant, 1863: 228.

Type-species - *Molorchus kiesenwetteri* Mulsant & Rey, 1861 (monotypy).

Conchopterus Fairmaire in Jacquelin DuVal, 1864: 153; Lacordaire, 1868: 487.

Type-species - *Necydalis umbellatarum* Linnaeus, 1767 (monotypy).

1. *Molorchus bimaculatus bimaculatus* Say, 1824

Syntypes locality - Syntypes: United States. (Depository unknown). **Distribution** -

This subspecies ranges from Cape Breton Island to central Alberta, south to north-central Texas. **Host plants** - *Acer rubrum* Linnaeus, *A. saccharinum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Rhus glabra* Linnaeus (Anacardiaceae), *Betula nigra* Linnaeus, *Ostrya* sp. (Betulaceae), *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Celtis tenuifolia* (Cannabaceae), *Cornus drummondii* C.A. Meyer, *C. florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter ssp. *virginiana* (Marshall) J.J. Furlow (Corylaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Rhododendron occidentale* Gray (Ericaceae), *Castanea* sp., *Quercus nigra* Linnaeus, *Q. prinus* Linnaeus, *Quercus stellata* (Fagaceae), *Hamamelis virginiana* Linnaeus, *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Carya alba* Koch, *C. cordiformis* (Wangenheim) K. Koch, *C. glabra* (Miller) Sweet, *C. ovata* (Miller) K. Koch, *C. tomentosa* Nuttall, *Juglans nigra* Linnaeus (Juglandaceae), *Fraxinus americana* Linnaeus (Oleaceae), *Amelanchier canadensis* Medikus (Rosaceae), *Staphylea trifolia* Linnaeus (Staphyliaceae), *Ulmus* sp. (Ulmaceae), *Vitis riparia* Michaux (Vitaceae).

Molorchus bimaculatus Say, 1824: 428; Haldeman, 1847a: 44 (biol.); LeConte, 1859c: 202; 1866: 348 (distr.); Lacordaire, 1868: 488; Henshaw, 1874: 22 (distr.); Provancher, 1877: 593; Popenoe, 1877: 33 (distr.); LeConte, 1880a: 237 (hosts); Packard, 1881: 75 (biol.); Harrington, 1884: 46 (hosts); Lugger, 1884: 204 (hosts); Horn, 1885b: 5 (syn.); Leng, 1885b: pl. 3, fig. 20; 1886: 30; Packard, 1890: 293, 424 (biol.); Hauser, 1891: 157 (biol.); Hopkins, 1893: 193 (biol.); Chittenden, 1894: 97 (hosts); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 75 (hosts); Chagnon, 1897: 15 (distr.); Wickham, 1897a: 148, fig. 23; Lugger, 1899: 201 (biol.); Smith, 1900: 289 (hosts); Dury, 1902: 159 (distr.); Ulke, 1903: 26, 50 (distr.);

- Wickham, 1909a: 28 (distr.); Smith, 1910: 327; Blatchley, 1910: 1028, fig. 437; Fisher & Kirk, 1912: 310 (distr.); Lovell, 1915: 114 (biol.); Johnson, 1915: 315 (distr.); Nicolay, 1917: 94 (distr.); Chapin, 1917: 30 (biol.); Chagnon, 1917: 231 (distr.); Nicolay, 1919: 66 (distr.); Britton, 1920: 268 (distr.); Craighead, 1923: 62, pl. 9, fig. 4 (larva); Kirk & Knull, 1926: 26 (distr.); Leonard, 1928: 443 (distr.); Ware, 1929: 368 (distr.); Frost & Dietrich, 1929: 436 (distr.); Knull, 1930b: 101; Park, 1931: 193 Linsley, 1931: 38; Barrett, 1932: 290 (hosts); Beaulne, 1932: 201 (hosts); Chagnon, 1938: 261; Brimley, 1938: 214 (distr.); Loding, 1945: 118 (distr.); Procter, 1946: 180 (biol.); Knull, 1946: 202, pl. 10, fig. 40; Watkins, 1948: 206 (distr.); Alexander, 1958: 58 (distr.); Dillon & Dillon, 1961: 593, pl. 58, No. 4; Chagnon & Robert, 1962: 261; Linsley, 1963: 159; Swan & Papp, 1972: 449, fig. 252; Laliberté, Chantal & LaRochelle, 1977: 95 (hosts); Miliczky & Osgood, 1979: 133 (biol.); White, 1985: 285, fig. 123; Chemsak, Linsley & Noguera, 1992: 57 (cat.); Monné, M.A., 1993g: 2 (cat.); Krinsky & Godwin, 1996: 238 (hosts); Heffern, 1998: 13 (distr.); Vlasák & Vlasakova, 2002: 210 (distr., hosts); Sikes & Webster, 2005: 327 (distr.); Monné, M.A. & Hovore, 2006: 103 (checklist);
- Heliomanes bimaculatus*; Newman, 1840b: 20; Haldeman, 1847c: 372; LeConte, 1850b: 103; 1851: 103; White, 1855: 180; LeConte, 1859c: 48; Bland, 1861: 97 (distr., hosts).
- Molorchus bimaculatus bimaculatus*; Linsley, 1963: 159, fig. 51; Gosling, 1973: 75 (biol., distr.); Frost, 1979: 346 (biol.); Turnbow & Franklin, 1980: 342 (distr.); Gosling, 1984: 72 (hosts); 1986: 156 (hosts); 1984: 80 (biol.); MacRae, 1993: 231 (distr., hosts); Lingafelter & Horner, 1993: 173 (distr.); Monné, M.A., 1993g: 3 (cat.); Monné, M.A. & Giesbert, 1994: 288(checklist); Yanega, 1996: 51, pl. 15, fig. 176; Linsley & Chemsak, 1997: 398 (hosts); Schiefer, 1998: 118 (distr.); Peck & Thomas, 1998: 119 (distr.); MacRae & Rice, 2007: 237 (distr., hosts); Staines, 2008: 146 (distr.); Guarnieri, 2009: 17 (distr.); Webster, McCorquodale & Majka, 2009: 296 (distr.); McCorquodale, 2010: 468 (distr.); Holt, 2013: 249 (biol. distr., hosts); Vlasák, 2014: 318 (hosts); Steury & MacRae, 2014: 10 (distr.); Webster, 2016: 488; Klingeman *et al.*, 2017: 398 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 48, pl. 5.
- Molorchus affinis* LeConte, J.E., 1824: 172, pl. 11, fig. 12.
- Syntypes locality** - Syntypes: United States, Georgia. (MCZN).
- Molorchus obscurus* LeConte, 1850b: 103.
- Heliomanes obscurus*; Thomson, 1864: 150.
- Syntypes localities** - Syntypes: United States, Pennsylvania, New York, Georgia. Missouri Territory. (MCZN).

1a. *Molorchus bimaculatus californicus* Linsley, 1963

Type locality - Holotype male: United States, California: Yosemite Valley (CASC).

Distribution - United States (California). **Host plants** - *Rhododendron occidentale* Gray (Ericaceae).

Molorchus bimaculatus californicus Linsley, 1963: 161; Hovore & Giesbert, 1976: 356 (biol.); Chemsak, Linsley & Noguera, 1992: 57 (cat.); Monné, M.A., 1993g: 3 (cat.); Monné, M.A. & Giesbert, 1994: 88 (checklist); Linsley & Chemsak, 1997: 398 (hosts); Monné, M.A. & Hovore, 2006: 104 (checklist);

1b. *Molorchus bimaculatus ceanothinus* Linsley, 1963

Type locality - Holotype female: United States, California: Pine Cove, San Jacinto Mountains. (CASC). **Distribution** - United States (California). **Host plants** - *Ceanothus integerrimus* Hooker & Arnott (Rhamnaceae).

Molorchus bimaculatus ceanothinus Linsley, 1963: 161; Chemsak, Linsley & Noguera, 1992: 57 (cat.); Monné, M.A., 1993g: 3 (cat.); Monné, M.A. & Giesbert, 1994: 88 (checklist); Linsley & Chemsak, 1997: 398 (hosts); Monné, M.A. & Hovore, 2006: 104 (checklist);

1c. *Molorchus bimaculatus celti* Knull, 1930

Type locality - Holotype male: United States, Pennsylvania: Hummelstown. (FMNH).
Distribution - Northeastern United States. **Host plants** - *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Celtis laevigata* Willdenow, *C. occidentalis* Linnaeus (Cannabaceae).

Molorchus bimaculatus celti Knull, 1930b: 101; 1946: 203; Linsley, 1963: 160; Chemsak, 1977a: 176 (types); Chemsak, Linsley & Noguera, 1992: 57 (cat.); Monné, M.A., 1993g: 4 (cat.); Monné, M.A. & Giesbert, 1994: 88 (checklist); Yanega, 1996: 51, pl. 15, fig. 177; Linsley & Chemsak, 1997: 398 (hosts); Monné, M.A. & Hovore, 2006: 104 (checklist); MacRae & Rice, 2007: 237 (distr.).

1d. *Molorchus bimaculatus corni* Haldeman, 1847

Syntypes locality - Syntypes: United States, Carolina. (MCZN). **Distribution** - Southeastern United States, Cuba. **Host plants** - *Rhus glabra* Linnaeus (Anacardiaceae), *Cornus florida* Linnaeus (Cornaceae), *Quercus geminata* Small (Fagaceae).

Molorchus corni Haldeman, 1847a: 45; 1847c: 372; Lacordaire, 1868: 488; Knaus, 1906: 106; Loding, 1933: 148 (distr.).

Heliomanes corni; LeConte, 1850b: 21; White, 1855: 180.

Molorchus bimaculatus var. *corni*; Leng, 1886: 30; Dozier, 1918: 334 (distr.); 1920: 366; Loding, 1945: 118 (distr.).

Molorchus bimaculatus corni; Brimley, 1938: 214 (distr.); Linsley, 1963: 161; Kirk & Taft, 1970: 8; Turnbow & Franklin, 1980: 342 (distr.); Chemsak, Linsley & Noguera, 1992: 57 (cat.); MacRae, 1993: 232 (distr.); Monné, M.A. 1993a: 4 (cat.); Monné, M.A. & Giesbert, 1994: 88 (checklist); Yanega, 1996: 51, pl. 15, fig. 178; Linsley & Chemsak, 1997: 399 (hosts); Peck & Thomas, 1998: 119; Schiefer, 1998: 118 (distr.); Monné, M.A., 2001b: 30 (cat. hosts); Morris, 2002: 211 (hosts); Monné, M.A., 2005: 401 (cat.); Peck, 2005: 172 (distr.); Monné, M.A. & Hovore, 2006: 104 (checklist); MacRae & Rice, 2007: 238 (hosts); Lingafelter, 2007: 41, 148, 2 figs, pl. 11 a (hosts); Holt, 2013: 249 (biol.); Klingeman *et al.*, 2017: 297 (distr.).

Molorchus ruficollis LeConte, 1850b: 21; Gahan, 1895: 110; Leng & Mutchler, 1914: 446 (distr.); Zayas, 1975: 129.

Type locality -Type: United States, Alabama. (MCZN).

Molorchus sanguinicollis Chevrolat, 1862a: 257 (not *Necydalis sanguinicollis* Olivier, 1795).

Type locality - Holotype female: Cuba. (BMNH).

1e. *Molorchus bimaculatus semiustus* (Newman, 1840)

Type locality - Holotype: United States, Florida: St. John's Bluff. (BMNH). **Distribution** - Gulf states from Florida to Texas. **Host plants** - *Celtis* sp. (Cannabaceae), *Carya illinoensis* (Wangenheim) K. Koch (Juglandaceae), *Crataegus viridis* Linnaeus (Rosaceae), *Vitis* sp. (Vitaceae).

Glaphyra semiusta Newman, 1840b: 19; LeConte, 1850b: 38; White, 1855: 181.

Laphyra semiusta; Thomson, 1864: 150.

Molorchus bimaculatus var. *semiustus*; Horn, 1885b: 8; Leng, 1886: 30; Dozier, 1918: 334 (distr.); 1920: 366 (distr.); Loding, 1945: 118 (distr.).

Molorchus semiustus; Loding, 1933: 148 (distr.); Swan & Papp, 1972: 449.

Molorchus bimaculatus semiustus; Linsley, 1963: 161; Tyson, 1970a: 93 (hosts); Turnbow & Franklin, 1980: 342 (distr.); Chemsak, Linsley & Noguera, 1992: 57 (cat.); Monné, M.A., 1993g: 4 (cat.); Monné, M.A. & Giesbert, 1994: 88 (checklist); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 118 (distr.); Monné, M.A. & Hovore, 2006: 104 (checklist); MacRae & Rice, 2007: 238 (distr., hosts); Lingafelter, 2007: 41, 148, 2 figs, pl. 11c; Holt, 2013: 249 (biol., distr.); Klingeman *et al.*, 2017: 297 (distr.).

2. *Molorchus eburneus* Linsley, 1931

Type locality - Holotype female.: United States, California, Glacier Point, Yosemite National Park (CASC). **Distribution** - United States (California). **Host plants** - *Abies concolor* Gordon & Glen, *A. magnifica* A. Murray (Pinaceae)

Molorchus eburneus Linsley, 1931: 37; Linsley & Ross, 1940: 76; Watkins, 1948: 206 (distr.); Linsley, 1963: 157; Hovore & Giesbert, 1976: 356 (hosts); Chemsak, Linsley &

Noguera, 1992: 57; Monné, M.A. 1993a: 88 (cat.); Monné, M.A. & Giesbert, 1994: 88; Linsley & Chemsak, 1997: 399 (hosts); Monné, M.A. & Hovore, 2006: 104 (checklist);

3. *Molorchus longicollis* LeConte, 1873

Type locality - United States: California. (AMNH). **Distribution** - Pacific Coast of North America from British Columbia to southern California, Bitter Root and northern Rocky Mts.

Host plants - *Rhus* sp. (Anacardiaceae), *Eriodictyon crassifolium* Bent (Boraginaceae) *Quercus* sp. (Fagaceae), *Abies concolor* Gordon & Glen, *A. magnifica* A.Murray, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae), *Ceanothus* sp., *Rhamnus californica* Eschscholtz (Rhamnaceae).

Molorchus longicollis LeConte, 1873a: 193; Wickham, 1890: 170 (distr.); Fall, 1901: 145 (distr.); Mutchler, 1912: 213; Garnett, 1918: 207 (distr.); Hardy, 1926: 31, pl. 5, fig. 35; Hardy & Preece, 1927b: 64 (hosts); Linsley & Usinger, 1934: 106 (distr.); Hardy, 1944: 17 (distr.); Leech, 1947: 105; Linsley, 1963: 159; Hatch, 1971: 110; Hovore & Giesbert, 1976: 356 (hosts); Chemsak, Linsley & Noguera, 1992: 57 (cat.); Monné, M.A., 1993g: 4 (cat.); Monné, M.A. & Giesbert, 1994: 88 (checklist); Linsley & Chemsak, 1997: 399 (hosts); Heffern, 1998: 13 (distr.); Monné, M.A. & Hovore, 2006: 104 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 48, pl. 5; Rice, MacRae & Merickel, 2017: 669 (distr.);

OBRINI Mulsant, 1839

Obriaires Mulsant, 1839: 27, 95; 1863: 203.

Obriidae; Gistel, 1848a: [9].

Obriites; Fairmaire in Jacquelin DuVal, 1864: 178, 194.

Obriionides; Lacordaire, 1868: 360.

Obriinae; Pascoe, 1869: 498, 550; Bates, 1870: 308.

Obriini; LeConte, 1873b: 305; LeConte & Horn, 1883: 290; Blatchley, 1910: 1027; Aurivillius, 1912: 132 (cat.); Bradley, 1930: 229, 234; Linsley, 1940b: 369; Heyrovsky, 1955: 161; Arnett, 1962: 859, 885; Linsley, 1963: 135; Hatch, 1971: 99; Monné, M.A., 1993f: 11 (cat.); Martins & Galileo, 2003: 2 (rev.); Monné, M.A., 2005: 405 (cat.); Bousquet *et al.*, 2009: 50; Bouchard *et al.*, 2011: 476.

Obriina; Plavilstshikov, 1931: 12.

Type-genus: *Obrium* Dejean, 1821.

Type-species: *Cerambyx cantharinus* Linnaeus, 1767 designated by Curtis (1825: pl. 91).

***Obrium* Dejean, 1821**

Obrium Dejean, 1821: 110; Curtis, 1825: 91; Stephens, 1831: 250; Audinet-Serville, 1834b: 93; Mulsant, 1839: 97; Laporte, 1840: 445; Blanchard, 1845: 152; LeConte, 1850b: 21; Mulsant, 1863: 204; Thomson, 1864: 222; 1865: 440; Pascoe, 1869: 550; Lacordaire, 1868: 361; Chenu, 1870: 317; Bates, 1870: 308; LeConte, 1873b: 306; Girard, 1873: 731; Bates, 1880: 33; LeConte & Horn, 1883: 291; Leng, 1886: 27; Gahan, 1906: 165; Reitter, 1912: 29; Planet, 1924: 137; Portevin, 1927: 22; Bradley, 1930: 234; Chagnon, 1938: 260; Linsley, 1940b: 370; Knull, 1946: 201; Knull, 1962: 106 (key spp.); Arnett, 1962: 859, 885; Chagnon & Robert, 1962: 254, 260; Linsley, 1963: 136; Hovore & Chemsak, 1980: 31 (rev.); Monné, M.A., 1993f: 11 (cat.); Martins & Galileo, 2003: 10 (rev.); Monné, M.A., 2005: 405 (cat.); Monné, M.A. & Hovore, 2006: 105 (checklist); Monné, M.A., 2012: 39; Bousquet, Laplante, Hammond & Langor, 2017: 47 (key spp.)

Type-species - *Cerambyx cantharinus* Linnaeus, 1767 (subsequent designation, Curtis, 1825: pl. 91).

Phyton Newman, 1840b: 19; LeConte, 1873b: 306; LeConte & Horn, 1883: 291; Leng, 1886: 27, 28.

Type-species - *Phyton limum* Newman, 1840 (monotypy).
Diozodes Haldeman, 1847a: 42.

Type-species - *Callidium pallidum* Say, 1824 (monotypy).

1. *Obrium beckeri* Knull, 1962

Type locality - Holotype: United States, Texas: Big Bend National Park, Tornillo Flat. (USNM). **Distribution** - United States (Texas).

Obrium beckeri Knull, 1962: 105; Linsley, 1963: 141; Ruetter, 1970: 21 (paratypes); Hovore & Chemsak, 1980: 41 (rev.); Chemsak, Linsley & Noguera, 1992: 54 (cat.); Monné, M.A., 1993f: 12 (cat.); Monné, M.A. & Giesbert, 1994: 84 (checklist); Van Pelt, 2002: 128; Monné, M.A. & Hovore, 2006: 105 (checklist); Lingafelter *et al.*, 2014: 27, fig. 27o (holotype).

2. *Obrium californicum* Van Dyke, 1920

Type locality - Holotype male: United States, California: Tulare County, Mineral King. (CASC). **Distribution** - United States, central Oregon and northern California south through Sierra Nevada to Tehachapi Mts., and along coast south to Santa Cruz Mts. **Host plants** - *Pinus jeffreyi* Balfour (Pinaceae).

Obrium californicum Van Dyke, 1920: 37 (hosts); Knull, 1962: 106; Linsley, 1963: 139, fig. 44; Hatch, 1971: 102, pl. 11, fig. 2; Turnbow, 1984: 67 (distr.); Chemsak, Linsley & Noguera, 1992: 54 (cat.); Monné, M.A., 1993f: 12 (cat.); Monné, M.A. & Giesbert, 1994: 84 (checklist); Monné, M.A. & Hovore, 2006: 105 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.).

3. *Obrium constricticolle* Schaeffer, 1908

Type locality - Lectotype: United States, Arizona: Huachuca Mts., Cochise Co., Palmerlee (USNM). **Distribution** - United States (Arizona), Mexico (Baja California, Sinaloa, Chihuahua). **Host plants** - *Quercus* sp. (Fagaceae).

Obrium constricticolle Schaeffer, 1908: 338; Linsley, Knull & Statham, 1961b: 17 (biol.); Knull, 1962: 107; Linsley, 1963: 141; Hovore & Chemsak, 1980: 45; Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A. 1993f: 22 (cat.); Monné, M.A. & Giesbert, 1994: 84 (checklist); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 410 (hosts); Monné, M.A., 2005: 407 (cat.); Monné, M.A. & Hovore, 2006: 105 (checklist); Lingafelter *et al.*, 2014: 45, figs 47i, j (lect. designation); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 476

4. *Obrium discoideum* (LeConte, 1873)

Syntypes locality - Syntypes: Mexico, Baja California: Cabo San Lucas. (MCZN).

Distribution - United States (Arizona), Mexico (Baja California, Sinaloa, Nayarit, Jalisco, Morelos, Guerrero, Oaxaca), Nicaragua, Costa Rica.

Phyton discoideum LeConte, 1873a: 190; Lameere, 1883: 18 (cat.); Leng, 1886: 28; Horn, 1894: 338; Garnett, 1918: 206 (distr.).

Obrium discoideum; Aurivillius, 1912: 133 (cat.); Linsley, 1957e: 85 (distr.); Knull, 1962: 107; Linsley, 1963: 142; Hovore & Chemsak, 1980: 39; Hovore, 1988: 27 (distr.); Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A. 1993f: 13 (cat.); Monné, M.A. & Giesbert, 1994: 84 (checklist) Chemsak & Noguera, 1995: 60 (distr.); Noguera & Chemsak, 1996: 400 (cat.); Noguera *et al.*, 2002: 624 (distr.); Monné, M.A., 2005: 408 (cat.); Hovore, 2006: 373 (distr.); Monné, M.A. & Hovore, 2006: 105 (checklist); Audureau, 2008: 10 (distr.); Swift *et al.*, 2010: 23 (distr.); Maes *et al.*, 2010: 382, 4 figs (distr.); Noguera *et al.*, 2017: 8 (distr.); Bezark 2019: 408 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 476

Obrium (Phyton) discoideum; Linsley, 1942: 50, pl. 4, fig. 5.

5. *Obrium dominicum* Linsley, 1957

Type locality - Holotype male: Mexico, Baja California: San Domingo. (CASC).

Distribution – United States (Arizona), Mexico (Baja California, Sonora).

Obrium dominicum Linsley, 1957e: 85; Knull, 1962: 107; Hovore & Chemsak, 1980: 36; Hovore, 1988: 27 (distr.); Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A. 1993f: 13 (cat.); Monné, M.A. & Giesbert, 1994: 84 (checklist) Noguera & Chemsak, 1996: 400 (cat.); Monné, M.A., 2005: 408 (cat.); Monné, M.A. & Hovore, 2006: 105 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 476

Obrium constricticolle; Linsley, 1942: 51 (not Schaeffer, 1908).

6. *Obrium glabrum* Knull, 1937

Type locality - Holotype female: United States, Texas: Davis Mountains. (Ohio State University, Columbus). **Distribution** - United States (Texas). **Host plants** - *Quercus* sp. (Fagaceae).

Obrium glabrum Knull, 1937a: 41; Linsley, 1963: 143; Hovore & Chemsak, 1980: 43, fig. 3 (rev.); Rice, Turnbow & Hovore, 1985: 20 (distr.); Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A., 1993f: 13 (cat.); Monné, M.A. & Giesbert, 1994: 85 (checklist) Linsley & Chemsak, 1997: 410 (hosts); Monné, M.A. & Hovore, 2006: 105 (checklist);

7. *Obrium maculatum* (Olivier, 1795)

Type locality - Holotype: United States, Georgia. (Depository unknown). **Distribution** - Southeastern Canada to Mexico (Tamaulipas, Nuevo León, Oaxaca), Guatemala, Nicaragua, Costa Rica. **Host plants** - *Betula nigra* Linnaeus (Betulaceae), *Cercis canadensis* Linnaeus, *Gleditschia triacanthos* Linnaeus (Caesalpiniaceae), *Celtis laevigata* Willdenow, *C. pallida* Torrey, *C. reticulata* Torrey, *C. tenuifolia* Nuttall (Cannabaceae), *Jatropha spathulata* Müller-Argoviensis (Euphorbiaceae), *Robinia pseudoacacia* Linnaeus, *Sesbania drummondii* (Ryberg) Cory (Fabaceae), *Castanea pumila* (Linnaeus) Miller, *Quercus inopina* Ashe, *Q. phellos* Linnaeus (Fagaceae), *Carya cordiformis* (Wangenheim) K.Koch, *C. illinoensis* (Wangenheim) K. Koch, *C. ovata* (Miller) K.Koch, *C. sulcata* Nuttall (Juglandaceae), *Acacia cochliacantha* Humboldt & Bonpland ex Willdenow, *Albizia occidentalis* T. S. Brandegee, *Leucaena pulverulenta* (Schlechtendal) Benth, *Vachellia farnesiana* (Linnaeus) Wight & Arn. (Mimosaceae), *Ficus* sp., *Maclura pomifera* (Rafinesque) C. Schneider, *Morus alba* Linnaeus, *M. rubra* Linnaeus (Moraceae), *Fraxinus* sp. (Oleaceae), *Amelanchier arborea* (Michaux fil.) Fernald, *Crataegus viridis* Linnaeus, *Prunus serotina* Ehrhart (Rosaceae), *Citrus sinensis* (Linnaeus) Osbeck (Rutaceae), *Salix nigra* Marshall (Salicaceae), *Sapindus saponaria* (Hooker & Arnott) Benson (Sapindaceae).

Saperda maculata Olivier, 1795: (68), 32, 39, pl. 3, fig. 33; Schoenherr, 1817: 421.

Obrium maculatum; Aurivillius, 1912: 133 (cat.); Craighead, 1920: 8; 1923: 62 (larva); Kirk & Knull, 1926: 23 (distr.); Leonard, 1928: 436 (distr.); Beaulne, 1932: 198 (hosts); Linsley & Martin, 1933: 181 (distr.); Brimley, 1938: 211 (distr.); Linsley, 1940e: 561 (biol.); Loding, 1945: 116 (distr.); Knull, 1946: 201; Fattig, 1947: 13 (distr.); Vogt, 1949: 142 (hosts); Knull, 1962: 107; Linsley, 1963: 140; Gosling, 1973: 74 (distr.); Manley & French, 1976: 48, fig. 2; Solomon, Doolittle & Spilman, 1976: 290; Hovore & Chemsak, 1980: 52, figs 13, 14; Turnbow & Franklin, 1980: 342 (distr.); Hovore & Penrose, 1982: 25 (biol.); Waters & Hyche, 1984: 286 (distr.); Hovore, Penrose & Neck, 1987: 305 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A. 1993f: 14 (cat.); Monné, M.A. & Giesbert, 1994: 85 (checklist) Lingafelter & Horner, 1993: 173 (distr.); MacRae, 1993: 231 (distr., hosts); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 410 (hosts); Maes, 1998: 896 (distr.); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Turnbow, Cave & Thomas, 2003: 13 (distr.); Monné, M.A., 2005: 408 (cat.); Monné, M.A. & Hovore, 2006: 105 (checklist); Hovore, 2006: 373 (distr.); MacRae & Rice, 2007: 241 (hosts); Lingafelter, 2007: 74. 148, 2 figs, pl. 17h, (hosts); Staines, 2008: 146 (distr.); Audureau, 2008: 10 (distr.); Swift *et al.*, 2010: 24 (distr.); Maes *et al.*, 2010: 384, 4 figs (distr.); Holt, 2013: 249 (distr.); Steury & MacRae, 2014: 11 (distr.); Spomer, 2014: 300 (distr.); García Morales *et al.*, 2015: 104 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 47, pl. 4.; Noguera *et al.*, 2018:

464; Audureau & Roguet, 2018: 65 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 476

Callidium pallidum Say, 1824: 412.

Diozodes pallida; Haldeman, 1847a: 42.

Phyton pallidum; Haldeman, 1847c: 372; White, 1855: 328; LeConte, 1873a: 191 (syn.); Packard, 1881: 75 (biol.); Horn, 1885b: 6; Leng, 1886: 28, pl. 3, fig. 15; Packard, 1890: 294 (biol.); Chittenden, 1894: 97 (hosts); Wickham, 1897a: 111; Klages, 1901: 273, 290 (distr.); Dury, 1902: 159 (distr.); Ulke, 1903: 26 (distr.); Townsend, 1903: 77 (distr.); Snow, 1906a: 146 (distr.); Houghton, 1908: 161 (hosts); Blatchley, 1910: 1027 (distr.); Leng, 1910: 77 (distr.); Smith, 1910: 327 (distr.); Fisher & Kirk, 1912: 310 (distr.); Nicolay, 1919: 66 (distr.); Rosewall, 1920: 203 (hosts).

Phyton pallidum; Beutenmuller, 1896: 75 (hosts, error).

Obrium pallidum; Bland, 1861: 96 (distr.); Bates, 1885: 268; Schaeffer, 1908: 327 (distr.).

Obrium pallidum; LeConte, 1850b: 22 (error).

Type locality - Holotype: United States, Arkansas. (Depository unknown).

Phyton limum Newman, 1840b: 18.

Type locality - Holotype: United States, Florida: St. John's Bluff. (BMNH).

Obrium lituratum Bates, 1885: 268, pl. 19, fig. 6; Chemsak, 1967b: 77 (lect.).

Type locality - Lectotype male: Guatemala, Quezaltenango: Cerro Zunil. (BMNH).

Obrium howdeni Knull, 1955a: 139; 1962: 106; Linsley, 1963: 140; Chemsak, 1977a: 177 (type).

Type locality - Holotype female: United States, Tennessee: Obion Co., Reelfoot Biological Station. (FMNH).

8. *Obrium mozinnae* Linell, 1897

Type locality - Lectotype male: United States, Texas: Brownsville. (USNM). **Distribution** - United States (Texas), Mexico (Tamaulipas). **Host plants** - *Jatropha spatulata* Müller-Argoviensis (Euphorbiaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *Leucaena pulverulenta* (Schlechtendal) Bentham, *Pithecellobium flexicaule* (Bentham) Coulter, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Obrium mozinnae Linell, 1897: 395; Townsend, 1903: 77; Snow, 1906a: 146; Schaeffer, 1908: 327; Linsley & Martin, 1933: 181; Vogt, 1949: 142 (biol.); Knull, 1962: 106; Linsley, 1963: 142; Turnbow & Wappes, 1978: 369 (hosts); Hovore, Penrose & Giesbert, 1978: 98 (hosts); Hovore & Chemsak, 1980: 35; Hovore & Penrose, 1982: 25 (biol.); Hovore, Penrose & Neck, 1987: 305 (distr.); Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A. 1993f: 14 (cat.); Monné, M.A. & Giesbert, 1994: 85 (checklist); Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 410 (hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Monné, M.A., 2005: 409 (cat.); Monné, M.A. & Hovore, 2006: 105 (checklist); Lingafelter *et al.*, 2014: 102, figs 113c, d (lect. designation); García Morales *et al.*, 2015: 104 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 476

9. *Obrium rubidum* LeConte, 1850

Type locality - Holotype: United States, Pennsylvania. (MCZN). **Distribution** - Eastern North America. **Host plants** - *Robinia pseudoacacia* Linnaeus (Fabaceae)

Obrium rubidum LeConte, 1850b: 21; Lacordaire. 1868: 361; Leng, 1886: 28; Hamilton, 1895: 338 (distr.); Klages, 1898: 175 (hosts); Smith, 1900: 288 (distr.); Knaus, 1901: 112 (distr.); Dury. 1902: 159 (distr.); Blatchley, 1910: 1028; Smith, 1910: 327; Kirk & Knull, 1926: 23 (distr.); Knull, 1946: 202, pl. 10, fig. 38; Sherman, 1946: 126 (distr.); Knull, 1962: 106; Linsley, 1963: 138; Turnbow & Franklin, 1980: 342 (distr.); Arnett, 1985: 363, fig. 24.189; Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A., 1993f: 15 (cat.); Monné, M.A. & Giesbert, 1994: 85 (checklist) Yanega, 1996: 51, pl. 14, fig. 168; Vlasák & Vlasakova. 2002: 210 (distr.); Monné, M.A. & Hovore, 2006: 105 (checklist); Lingafelter, 2007: 74, 148, 2 figs, pl. 17j.

10. *Obrium rufulum* Gahan, 1908

Syntypes locality - Syntypes male: United States. (BMNH). **Distribution** -The range of this species extends from New Brunswick to southern Manitoba, south to southern Texas and central Florida. **Host plants** - *Quercus* sp. (Fagaceae), *Fraxinus americana* Linnaeus, *F. pennsylvanica* Marshall (Oleaceae).

Obrium rubrum; Leng, 1885b: 136, pl. 3, fig. 16; 1886: 28; Hamilton, 1895: 338 (distr.); Wickham, 1897a: 111; Smith, 1900: 288 (distr.); Dury, 1902: 159 (distr.); Ulke, 1903: 26 (distr.); Chagnon, 1905: 36 (distr.); Felt, 1906: 463 (paras.); Wickham, 1909b: 402 (distr.); Blatchley, 1910: 1028; Chagnon, 1917: 231 (distr.). (not Newman, 1838).

Obrium rufulum Gahan, 1908: 142; Wickham, 1909a: 28 (distr.); Smith, 1910: 327; Fisher & Kirk, 1912: 310 (distr.); Britton, 1920: 267 (distr.); Craighead, 1923: 62, pl 18, 19, 30 (larva); Champlain, Kirk & Knull, 1925: 106 (hosts); Kirk & Knull, 1926: 23 (distr.); Leonard, 1928: 436 (distr.); Beaulne, 1932: 198 (hosts); Chagnon, 1938: 260; Townes, 1944: 772 (paras.); Knull, 1946: 202; Alexander, 1958: 49 (distr.); Townes & Townes, 1960: 140 (paras.); Dillon & Dillon, 1961: 592, pl. 58, No.2; Chagnon & Robert, 1962: 260; Knull, 1962: 106; Peck, 1963: 955 (paras.); Linsley, 1963: 138; Gosling, 1973: 74 (distr., hosts); Kirk & Balsbaugh, 1975: 98 (distr.); Stein & Tigestad, 1976: 27 (distr.); Turnbow & Franklin, 1980: 342 (distr.); Gosling, 1984: 72 (hosts); Hovore, Penrose & Neck, 1987: 305 (distr.); Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A., 1993f: 15 (cat.); MacRae, 1993: 231 (distr.); Monné, M.A. 1993f: 15 (cat.); Monné, M.A. & Giesbert, 1994: 85 (checklist) Yanega, 1996: 51, pl. 14, fig. 170; Linsley & Chemsak, 1997: 411 (hosts); Schiefer, 1998: 118 (distr.); Peck & Thomas, 1998: 119 (distr.); Vlasák & Vlasakova, 2002: 210 (distr., hosts); Monné, M.A. & Hovore, 2006: 106 (checklist); Lingafelter, 2007: 74, 148, 2 figs, pl. 17i (hosts); Staines, 2008: 147 (distr.); Guarnieri, 2009: 17 (distr.); Webster, McCorquodale & Majka, 2009: 296 (distr.); McCorquodale, 2010: 468 (distr.); Holt, 2013: 249 (distr.); Webster, 2016: 488; Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 47, pl. 4.

OEMINI Lacordaire, 1868

Oemides Lacordaire, 1868: 216.

Oeminae; Pascoe, 1869: 498; Bates, 1870: 243.

Oemes; LeConte, 1873b: 298; LeConte & Horn, 1883: 283.

Oemini; Gounelle, 1909: 592; Aurivillius, 1912: 26 (cat.); Craighead, 1923: 38 (larva); Linsley, 1932: 112; Saalas, 1936: 57; Duffy, 1953: 203; 1960: 136; Martins & Carvalho, 1984: 215 (reval.); Monné, M.A., 1993a: 5 (cat.); Martins, 1997b: 5 (rev.); Martins & Galileo, 2004: 19; Monné, M.A., 2005: 410 (cat.); Bousquet *et al.*, 2009: 51; Bouchard *et al.*, 2011: 476 ; Santos-Silva, Nascimento & Botero, 2023 : 4 (key genera)

Type-genus: *Oeme* Newman, 1840.

Type-species: *Oeme indecora* Newman, 1840 (monotypy).

Malacoptérites Blanchard, 1845: 147 (based on *Malacopterus* Audinet-Serville, 1834).

Nomen nudum. Comment. This name is unavailable under Article 11.7 (not subsequently latinized and attributed to Blanchard 1845).

OEMINA Lacordaire, 1868

Oemides Lacordaire, 1868: 216.

Oemina; Plavilstshikov, 1940: 46; Martins, 1997b: 12; Martins & Galileo, 2004: 19; Monné, M.A., 2005: 410 (cat.); Bousquet *et al.*, 2009: 51; Bouchard *et al.*, 2011: 477.

Type-genus: *Oeme* Newman, 1840.

Type-species: *Oeme indecora* Newman, 1840 (monotypy).

Eudistenia Fall, 1907

Eudistenia Fall, 1907: 82; Bradley, 1930: 231; Linsley, 1932: 117; 1962a: 16; Arnett. 1962: 861, 879; Martins, Chemsak & Linsley, 1966: 175; Chemsak & Linsley, 1967: 31; Monné. M.A., 1993a: 7; Monné, M.A. & Hovore, 2006: 108 (checklist); Santos-Silva, Nascimento & Botero, 2023: 8, figs 3, 4

Type-species - *Eudistenia costipennis* Fall, 1907 (original designation).

1. *Eudistenia costipennis* Fall, 1907

Syntypes localities - Syntypes: United States, California: near the summit of Sierra Madre Mountains, above Pasadena. Mountains near Claremont. (MCZN). **Distribution** - United States, California (Sierra Nevada foothills from Tuolumne Co. southward to the San Bernardino, Sierra Madre and San Jacinto Mts.). **Host plants** - *Quercus agrifolia* Née, *Q. chrysolepis* Liebmann, *Q. kelloggii* Newberry (Fagaceae).

Eudistenia costipennis Fall, 1907: 83; Garnett, 1918: 176 (distr.); Linsley, 1932: 117, fig. 4 (biol.); 1933: 92 (hosts); 1962: 16, fig. 7; Hovore & Giesbert, 1976: 351 (hosts); Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A., 1993a: 7 (cat.); Monné, M.A. & Giesbert, 1994: 26 (checklist) Linsley & Chemsak, 1997: 375 (hosts); Monné, M.A. & Hovore, 2006: 108 (checklist); Collignon *et al.*, 2019: 1

Haplidoeme Chemsak & Linsley, 1965

Haplidoeme Chemsak & Linsley, 1965a: 142; Martins, Chemsak & Linsley, 1966: 216; Gilmour, 1968: 91; Monné, M. A., 1993a: 7 (cat.); Monné, M.A., 2005: 413 (cat.); Monné, M.A. & Hovore, 2006: 106 (checklist); Monné, M.A., 2012: 40.

Type-species - *Haplidoeme schlingeri* Chemsak & Linsley, 1965 (original designation).

1. *Haplidoeme schlingeri* Chemsak & Linsley, 1965

Type locality - Holotype male: United States, California: Riverside Co., Deep Canyon. (CASC). **Distribution** - United States (California), Mexico (Baja California).

Haplidoeme schlingeri Chemsak & Linsley, 1965a: 143, fig. 1; Chemsak, Linsley & Noguera, 1992: 27 (cat.); Monné, M.A. 1993a: 7 (cat.); Monné, M.A. & Giesbert, 1994: 26 (checklist) Monné, M.A., 2005: 413 (cat.); Monné, M.A. & Hovore, 2006: 106 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477

Liberedaxia Alten, Alten & Ramey, 2009

Liberedaxia Alten, Alten & Ramey, 2009: 2; Santos-Silva, Nascimento & Botero, 2023 :11

Type-species - *Liberedaxia deslauriersi* Alten, Alten & Ramey, 2009 (original designation).

1. *Liberedaxia deslauriersi* Alten, Alten & Ramey, 2009

Type locality - Holotype male: United States, Utah: Handcock Road, 2 miles west junction Highway 89. (USNM). **Distribution** - United States (Utah). **Host plants** - *Juniperus osteosperma* (Torrey) Little (Cupressaceae).

Liberedaxia deslauriersi Alten, Alten & Ramey, 2009: 2, fig. 1 (hosts, larva); Lingafelter *et al.*, 2014: 53, fig. 56 c (holotype).

***Malacopterus* Audinet-Serville, 1834**

Malacopterus Audinet-Serville, 1834a: 565; Laporte, 1840: 426; Strauch, 1861: 129; Thomson, 1861: 376 (syn.); 1864: 248; 1865: 453; Lacordaire, 1868 227; Bates, 1870: 427; 1879: 15 (syn.); Lameere, 1883: 2 (syn.); LeConte & Horn, 1883: 284; Leng, 1884: 114; Bradley, 1930: 231; Linsley, 1932: 117; 1962a: 14; Arnett, 1962: 861, 879; Chemsak & Linsley, 1964b: 43; Martins, Chemsak & Linsley, 1966: 209; Chemsak & Linsley, 1967a: 30; Gilmour, 1968: 92; Zayas, 1975: 50; Villiers, 1980a: 267; Monné, M. A., 1993a: 8 (cat.); Martins, 1997b: 31 (rev.); Monné, M.A., 2005: 415 (cat.); Monné, M.A. & Hovore, 2006: 107 (checklist); Monné, M.A., 2012: 40.

Malacoptera; Chenu, 1870: 312 (error).

Type-species - *Cerambyx (Stenocorus) pavidus* Germar, 1823 (monotypy)

Malacomacrus White, 1853: 41

Type-species - *Malacomacrus pallescens* White, 153 (monotypy).

Ganimus LeConte, 1873a: 173; 1873b: 298.

Type-species - *Ganimus vittatus* LeConte, 1873 (monotypy).

1. *Malacopterus tenellus* (Fabricius, 1801)

Type locality - Holotype male: America meridionalis. (ZMUC). **Distribution** - United States (Texas, California), Mexico (Sonora, Tamaulipas, Nayarit, Veracruz, Oaxaca, Chiapas, Durango, San Luis Potosi), Guatemala, Belize, Nicaragua, Panama, Colombia (Cundinamarca, Valle del Cauca, Santander), Venezuela (Aragua, Mérida, Yaracuy, Miranda, Barinas, Carabobo, Zulia), Peru (Huanuco), Brazil (Amazonas, Pará, Mato Grosso, Maranhão), Venezuela, Ecuador, Guyana, French Guiana, Surinam, Peru, Bolivia (La Paz, Santa Cruz), Jamaica, Cuba, Guadeloupe, Hispaniola. **Host plants** - *Bursera simaruba* (Linnaeus) Sargent (Burseraceae), *Celtis laevigata* Willdenow (Cannabaceae), *Hevea brasiliensis* (A. Jussieu) Müller-Argoviensis, *H. guianensis* Aublet (Euphorbiaceae), *Quercus* sp. (Fagaceae), *Populus* sp., *Salix* sp. (Salicaceae), *Achras sapota* Linnaeus (Sapotaceae).

Callidium tenellum Fabricius, 1801: 335; Schoenherr, 1817: 444.

Malacopterus tenellus; Aurivillius, 1912: 35 (cat.); Bréthes, 1920: 45 (distr.); Linsley, 1932: 117 (distr.); Gunther, 1940: 465 (distr.); Linsley, 1942: 32 (distr.); Vogt, 1949: 140 (distr., hosts); Bruner, 1951: 86 (distr.); Freude, 1954: 30 (distr.); Gregoire, 1957: 21 (physiol.); Linsley, 1962a: 15, fig. 6; Chemsak & Linsley, 1964b: 43; Zayas, 1975: 50, pl. 6, fig. c; Chemsak, Linsley & Mankins, 1980: 29 (distr.); Villiers, 1980a: 267, fig. 23; Maes *et al.*, 1994: 15 (distr.); Monné, M.A., 1993a: 9 (cat.); Monné, M.A. & Giesbert, 1994: 26 (checklist) Chemsak & Noguera, 1995: 58 (distr.); Noguera & Chemsak, 1996: 396 (cat.); Martins, 1997b: 35, figs 43, 45; Tavakilian *et al.*, 1997: 337, 338 (hosts); Chemsak & Linsley, 1997: 394 (hosts); Maes, 1998: 886 (distr.); Martínez, 2000: 89 (distr.); Monné, M.A., 2001b: 33 (cat.); Toledo *et al.*, 2002: 525 (distr.); Vitali & Rezbanyai-Reser, 2003: 7, fig. 5; Turnbow, Cave & Thomas, 2003: 6 (distr.); Martins & Galileo, 2004: 11, 38, 40, 1 fig; Monné, M.A., 2005: 415 (cat.); Chalumeau & Touroult, 2005: 69, fig. 22; Peck, 2005: 167 (distr.). Hovore, 2006: 371 (distr.); Morvan & Morati, 2006: 19 (distr.); Wappes *et al.*, 2006: 6 (distr.); Monné, M.A. & Hovore, 2006: 107 (checklist); Vitali, 2007: 41 (distr.); Audureau, 2008: 10 (distr.); Swift *et al.*, 2010: 24 (distr.); Maes *et al.*, 2010: 14, 5 figs (distr.). Lingafelter, 2010: 268, figs 3a, 4; Morvan & Morati, 2011: 25 (distr.); Monné, M.A. *et al.*, 2012: 18 (distr.); Barreto, Machiner & Smiderle, 2013: 333 (distr.); Peck, Thomas & Turnbow, 2014: 91 (distr.); Martins *et al.*, 2014: 611 (distr.); Monné, M.A. & Chaboo, 2015: 61 (distr., hosts); Devesa, Fonseca & Barro, 2015: 30, 102, figs 1-7; Peck, 2016: 172, pl. 45 (distr.); Lingafelter, Wappes & Ledezma Arias, 2017: 101, 1 fig.; Audureau & Roguet, 2018: 65 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477

Malacopterus lineatus Guérin-Méneville, 1844a: 222; Erichson, 1847: 141; White, 1853: 115; Lacordaire, 1868 228; Bates, 1870: 247; 1872: 170 (distr.); 1879: 15, pl. 3, fig. 17; 1884: 240;

Horn, 1886b: xiii (syn.); Leng & Hamilton, 1896: 166 (syn.); Aurivillius, 1900: 409 (distr.); Craighead, 1923: 41 (larva); García Morales *et al.*, 2015: 105 (distr.).

Type locality - Holotype: Colombia. (MNHN).

Malacopterus mexicanus Thomson, 1861: 248; Lacordaire, 1868: 228; Thomson, 1878a: 7 (type); Bates, 1879: 15 (distr.).

Synatypes locality - Syntypes: Mexico. (MNHN).

Ganimus vittatus LeConte, 1873a: 173; 1873b: 299.

Malacopterus vittatus; LeConte & Horn, 1883: 284.

Type locality - Holotype male: United States, California. (MCZC).

***Oeme* Newman, 1840**

Oeme Newman, 1840b: 8; Blanchard, 1845: 169; LeConte, 1852: 177; Thomson, 1861: 233, 251; 1864: 248; 1865: 453; Lacordaire, 1868: 222; Bates, 1870: 245; LeConte, 1873b: 299; LeConte & Horn, 1883: 284; Leng, 1884: 114; Casey, 1924: 251; Bradley, 1930: 231; Linsley, 1932: 116; Knull, 1946: 188; Dillon & Dillon, 1961: 582; Linsley, 1962a: 21; Arnett, 1962: 861, 879; Martins, Chemsak & Linsley, 1966: 206; Chemsak & Linsley, 1967a: 30; Hatch, 1971: 102; Philips & Ivie, 1998: 82; Monné, M.A. & Hovore, 2006: 107 (checklist);

Sclerocerus LeConte, 1850b: 20

Type-species - *Stenocorus* ? *linearis* Harris, 1837 (monotypy) (= *Stenocorus rigidus* Say, 1827).

1. *Oeme costata costata* LeConte, 1873

Type locality - Holotype female: United States, California. (MCZN). **Distribution** - United States, Rocky Mountain region to California and Texas. **Host plants** - *Pinus cembroides* Zucc., *Pinus contorta* Douglas ex Loudon, *P. edulis* Engelhorn, *P. monophylla* Torrey & Frémont, *P. ponderosa* Douglas ex Lawson & P. Lawson (Pinaceae).

Oeme costata LeConte, 1873a: 174; Lameere, 1883: 10 (cat.); Leng, 1884: 116; Fall, 1901: 144 (distr.); Garnett, 1918: 176 (distr.); Craighead, 1923: 39 (larva); Doane *et al.*, 1936: 168 (hosts); Craighead, 1950: 257 (hosts); Keen, 1952: 47 (hosts); Townes & Townes, 1960: 148 (paras.); Linsley, 1962a: 22, figs 10, 12; Brown & Eads, 1967: 50 (biol.); Hatch, 1971: 102, pl. 10, fig. 3; Furniss & Carolin, 1977: 303 (hosts); Lewis, 1979: 22 (distr.); Chemsak, Linsley & Noguera, 1992: 28 (cat.).

Oeme costata costata; Tyson, 1970b: 298 (hosts); Monné, M.A., 1993a: 5 (cat.); Monné, M.A. & Giesbert, 1994: 27 (checklist) Linsley & Chemsak, 1997: 411 (hosts); Heffern. 1998: 12 (distr.); Monné, M.A. & Hovore, 2006: 107 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.).

Oeme strangulata Horn, 1880a: 133, pl. 2, fig. 7; Lameere, 1883: 10 (cat.); Leng, 1884: 116; 1885c: 35, pl. 2, fig. 21; Garnett, 1918: 176 (distr.); Casey, 1924: 253; Tanner, 1934: 47 (distr.); Doane *et al.*, 1936: 168 (hosts); Craighead, 1950: 257 (hosts).

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

Oeme minutivestis Casey, 1924: 251; Lingafelter *et al.*, 2014: 100, fig. 110m (holotype).

Type locality - Holotype female: United States, Nevada: Las Vegas. (USNM).

Oeme californica Linsley, 1934a: 162.

Type locality - Holotype male: United States, California: Yosemite Valley. (CASC).

1a. *Oeme costata abietis* Chemsak, 1965

Type locality - Holotype male: United States, California: Monterey County, Chew's Ridge, Santa Lucia Mountains. (CASC). **Distribution** - United States (California). **Host plants** - *Abies bracteata* (D. Don) Poiteau (Pinaceae).

Oeme costata abietis Chemsak, 1965c: 352, 2 figs; Chemsak, Linsley & Noguera, 1992: 28 (cat.); Monné, M.A., 1993a: 6 (cat.); Monné, M.A. & Giesbert, 1994: 27 (checklist) Linsley & Chemsak, 1997: 411 (hosts); Monné, M.A. & Hovore, 2006: 107 (checklist);

Oeme strangulata Horn, 1880a: 133, pl. 2, fig

2. *Oeme rigida rigida* (Say, 1827)

Type locality - Holotype: Unknown. (Depository unknown). **Distribution** - Atlantic and southern States to Ohio, Missouri and eastern Texas. Mexico (Tamaulipas), Bermuda. **Host plants** - *Chamaecyparis thyoides* (Linnaeus) Britton, Sterns & Poggenburg, *Juniperus virginiana* Linnaeus (Cupressaceae), *Pinus echinata* Miller (Pinaceae), *Taxodium distichum* (Linnaeus) Richard (Taxodiaceae).

Stenocorus rigidus Say, 1827: 274; LeConte, 1859c: 332.

Elaphidion rigidus; Haldeman. 1847a: 34; LeConte, 1859d: 16; Melsheimer, 1853: 102 (cat.).

Hypermallus rigidus; Gemminger & Harold, 1872: 2818 (cat.).

Oeme rigida; LeConte, 1873a: 298; Horn, 1880a: 133; Shufelt, 1884: 334 (distr.); Leng, 1884: 116; Lugger, 1884: 204 (hosts); Leng, 1885b: 35, pl. 2, fig. 20; Horn, 1885b: 6 (syn.); Smith, 1900: 287 (distr.); Ulke, 1903: 25, 50 (distr., hosts); Hopkins, 1904: 37, 46 (biol.); Felt, 1906: 755 (hosts); Smith, 1910: 326; Rohwer, 1917: 168 (paras.); Nicolay, 1919: 65 (distr.); Britton, 1920: 266 (distr.); Craighead, 1923: 39 (larva); Casey, 1924: 252; Kirk & Knoll, 1926: 22 (distr.); Leonard, 1928: 434 (distr.); Beaulne, 1932: 198 (hosts); Doane *et al.*, 1936: 168 (hosts); Brimley, 1938: 210 (distr.); Loding, 1945: 114 (distr.); Knoll, 1946: 188, pl. 11, fig. 42; Craighead, 1950: 249, 257, fig. 54E (biol.); Dillon & Dillon, 1961: 584, pl. 57, No. 6; Linsley, 1962a: 23; Baker, 1971: 200 (biol.); Swan & Papp, 1972: 446; Gosling, 1973: 69 (biol., distr.); Solomon, Doolittle & Spilman, 1976: 290; Furniss & Carolin, 1977: 303 (hosts); Martins & Carvalho, 1984: 216 (morphol.); Arnett, 1985: 361, fig. 24.179; Hilburn & Gordon, 1989: 678 (distr.); Chemsak, Linsley & Noguera, 1992: 28 (cat.); Browne & Peck, 1996: 2158 (distr.); Monné, M.A. & Hovore, 2006: 107 (checklist); Lingafelter, 2007: 78, 148, 2 figs, pl. 18j (hosts); Garcia Morales *et al.*, 2014: 105 (distr.).

Oeme rigida rigida; Linsley, 1962a: 23, figs 11, 12; Turnbow & Franklin, 1980: 340 (distr.); MacRae, 1993: 128 (distr.); Lingafelter & Horner, 1993: 165 (distr.); Monné, M.A., 1993a: 6 (cat.); Monné, M.A. & Giesbert, 1994: 27 (checklist) Yanega, 1996: 45, pl. 12, fig. 133; Linsley & Chemsak, 1997: 411 (hosts); Schiefer, 1998: 116 (distr.); Peck & Thomas, 1998: 82; Staines, 2008: 147 (distr.); Holt, 2013: 249 (distr.); Maier, 2009: 438 (distr., hosts); Vlasák, 2014: 318 (hosts); Kingeman *et al.*, 2017: 297 (distr.).

Stenocorus ? linearis Harris, 1837: 85, pl 1, fig. 8; Chevrolat, 183a: 119.

Sclerocerus linearis; LeConte, 1850b: 20.

Oeme linearis; Gemminger & Harold, 1872: 2792 (cat.).

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

Oeme indecora Newman, 1840b: 8; LeConte, 1852: 177; Thomson, 1861: 251; 1864: 248; Lacordaire, 1868: 223.

Type locality - Holotype: United States, Florida: St John's Bluff (BMNH).

2a. *Oeme rigida deserta* Casey, 1924

Type locality - Holotype male: United States, Arizona. (USNM). **Distribution** - United States, western Texas to Colorado, Utah and Arizona. **Host plants** - *Cupressus arizonica* Greene, *Juniperus deppeana* Steud. (Cupressaceae).

Oeme deserta Casey, 1924: 252; Linsley, Knoll & Statham, 1961: 9 (biol.).

Oeme rigida deserta; Linsley, 1962a: 25, fig. 12; Lewis, 1979: 22 (distr.); Chemsak, Linsley & Noguera, 1992: 28 (cat.); Monné, M.A., 1993a: 6 (cat.); Monné, M.A. & Giesbert, 1994: 27 (checklist) Linsley & Chemsak, 1997: 411 (hosts); Heffern, 1998: 12 (distr.); Monné, M.A. & Hovore, 2006: 107 (checklist); Lingafelter *et al.*, 2014: 53, fig. 56a (holotype).

Oeme incertula Casey, 1924: 252; Lingafelter *et al.*, 2014: 79, fig. 86g (holotype).

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

Oeme subobsoleta Casey, 1924: 253; Lingafelter *et al.*, 2014: 328, 368, fig. 165a (lectotype).

Type locality- Holotype female: United States, Utah: Juab County, Trout Creek, Ibapah Mountains (USNM).

Oeme truncata Casey, 1924: 253; Lingafelter *et al.*, 2014: 336, fig. 174c (holotype).

Type locality - Holotype female: United States, Utah: Juab County, Trout Creek, Ibapah Mountains (USNM).

Oeme hirsuta Van Dyke, 1927: 99.

Type locality - Holotype male: United States, Arizona: Mount Washington, near Nogales. (CASC).

Oeme rotundicollis Linsley, 1932: 116.

Type locality - Holotype female: United States, Texas: Alpine. (CASC).

***Paranoplium* Casey, 1924**

Paranoplium Casey, 1924: 250; Bradley, 1930: 233; Arnett, 1962: 861, 879; Linsley, 1962a: 19; Martins, Chemsak & Linsley, 1966: 217; Chemsak & Linsley, 1967a: 31; Monné, M.A., 1993a: 7 (cat.); Monné, M.A. & Hovore, 2006: 107 (checklist);

Type-species - *Paranoplium densicolle* Casey, 1924 (original designation) (= *Oeme gracilis* LeConte, 1881).

1. *Paranoplium gracile gracile* (LeConte, 1881)

Type locality - Holotype female: United States, California: San Diego County, Poway. (MCZN). **Distribution** - Coastal California from Monterey Co. to San Diego Co. **Host plants** - *Quercus agrifolia* Née (Fagaceae), *Umbellularia californica* (Hooker & Arnott) Nuttall (Lauraceae), *Acacia* sp. (Mimosaceae), *Ceanothus spinosus* Nuttall (Rhamnaceae).

Oeme gracilis LeConte, 1881: 27, pl. 1, fig. 2; Lameere, 1883: 87 (cat.); Leng, 1884: 116; Blaisdell, 1892: 34 (biol.); Beutenmuller, 1896: 75 (hosts); Fall, 1897: 238 (distr.); Smith, 1900: 287 (distr.); Fall, 1901: 144 (distr.); Garnett, 1918: 176 (distr.); Linsley, 1934a: 164 (syn.); Moore, 1937: 87 (distr.); Mansfield, 1947: 43 (distr.); Peck, 1963: 955 (paras.).

Paranoplium gracile; Linsley, 1962a: 20, fig. 9; Chemsak, Linsley & Noguera, 1992: 28 (cat.); Gimmel *et al.*, 2023: 252 (distr.)

Paranoplium gracile gracile; Linsley, 1962a: 20; Chemsak, 1965b: 69 (hosts); Hovore & Giesbert, 1976: 351 (hosts); Monné, M.A., 1993a: 7 (cat.); Monné, M.A. & Giesbert, 1994: 27 (checklist) Linsley & Chemsak, 1997: 415 (hosts); Monné, M.A. & Hovore, 2006: 107 (checklist); Collignon *et al.*, 2019: 1 (pherom.)

Paranoplium densicolle Casey, 1924: 250; Lingafelter *et al.*, 2014: 52, fig. 55e (holotype).

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

1a. *Paranoplium gracile laticolle* (Linsley, 1934)

Type locality - Holotype male: United States, California: Sequoia National Park. (CASC).

Distribution - Southern Sierra Nevada Mts., California. **Host plants** - *Amorpha californica* (Fabaceae), *Juglans californica* S. Watson (Juglandaceae), *Rhamnus californica* Eschscholtz (Rhamnaceae).

Oeme laticollis Linsley, 1934d: 63

Paranoplium gracile laticollis; Linsley, 1962a: 20; Chemsak, Linsley & Noguera, 1992: 29 (cat.); Monné, M.A., 1993a: 8 (cat.); Monné, M.A. & Giesbert, 1994: 28 (checklist); Monné, M.A. & Hovore, 2006: 107 (checklist); Vlasák, 2014: 318 (hosts).

***Pseudomethia* Linsley, 1937**

Pseudomethia Linsley, 1937: 65; 1940c: 33; Zajciw, 1957: 305; Linsley, 1962a: 43; Arnett, 1962: 861, 879; Chemsak & Linsley, 1964b: 46; Martins, Chemsak & Linsley, 1966: 205; Chemsak & Linsley, 1967a: 29; Gilmour, 1968: 89; Philips & Ivie, 1998: 82; Monné, M.A., 1993a: 5 (cat.); Monné, M.A., 2005: 398 (cat.); Monné, M.A., 2012: 33.

Type-species - *Pseudomethia arida* Linsley, 1937 (original designation).

1. *Pseudomethia arida* Linsley, 1937

Type locality - Holotype male: United States, California: 10 mi W Indio. (CASC).

Distribution - United States (Arizona, California), Mexico (Baja California, Sonora). **Host plants** - *Bernardia myricaefolia* Benth & Hooker f. (Euphorbiaceae), *Simmondsia californica* Nuttall (Simmondsiaceae).

Pseudomethia arida Linsley, 1937: 67, 1 fig.; 1940c: 34; 1962: 44, fig. 16; Chemsak & Linsley, 1964b: 46; Hovore, 1988: 4 (distr.); Chemsak, Linsley & Noguera, 1992: 29 (cat.); Monné,

M.A., 1993a: 5 (cat.); Monné, M.A. & Giesbert, 1994: 28 (checklist)Noguera & Chemsak, 1996: 397 (cat.); Linsley & Chemsak, 1997: 426 (hosts); Monné, M.A., 2005: 399 (cat.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477

***Vandykea* Linsley, 1932**

Vandykea Linsley, 1932: 118; 1962: 17; Arnett, 1962: 861, 879; Martins, Chemsak & Linsley, 1966: 215; Chemsak & Linsley, 1967a: 31; Monné, M.A., 1993a: 7 (cat.); Monné, M.A. & Hovore, 2006: 109 (checklist); Santos-Silva, Nascimento & Botero, 2023: 8, figs 1, 2

Type-species - *Vandykea tuberculata* Linsley, 1932 (original designation).

1. *Vandykea tuberculata* Linsley, 1932

Type locality - Holotype female: United States, California: Napa County, Pope Valley. (CASC). **Distribution** - United States, California: Napa Co. and Lake Co. **Host plants** - *Cupressus goveniana* Gordon, *C. sargentii* Jepson (Cupressaceae).

Vandykea tuberculata Linsley, 1932: 118, figs 5, 5a; Linsley & Usinger, 1936: 55 (distr.); Linsley, 1962a: 18, fig. 8; Cope, 1968: 308, figs 1, 2 (hosts, larva); Chemsak, Linsley & Noguera, 1992: 29 (cat.); Monné, M.A., 1993a: 7 (cat.); Monné, M.A. & Giesbert, 1994: 29 (checklist); Linsley & Chemsak, 1997: 450; Monné, M.A. & Hovore, 2006: 109 (checklist);

OPSIMINI LeConte, 1873

Opsimi LeConte, 1873b: 293 (key) 294; LeConte & Horn, 1883: 279; Leng, 1884: 96
Opsimini; Linsley. 1962: 5; Hatch, 1971: 99; Monné, M.A., 1993a: 34 (cat.); Bousquet *et al.*, 2009: 51; Bouchard *et al.*, 2011: 477.

Type genus: *Opsimus* Mannerheim, 1843.

Type species: *Opsimus quadrilineatus* Mannerheim, 1843 (monotypy)

***Dicentrus* Le Conte, 1880**

Dicentrus LeConte, 1880c: 195; Leng, 1884: 96; Hopping, 1928a: 7; Bradley, 1930: 231; Linsley, 1962a: 8; Arnett, 1962: 861, 879; Hatch, 1971: 100; Monné, M.A., 1993a: 34 (cat.); Monné, M.A. & Hovore, 2006: 109 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 41 (key spp.)

Type-species - *Dicentrus bluthneri* LeConte, 1880 (monotypy).

Paraopsimus Champlain & Knull, 1926: 205; Bradley, 1930: 231.

Type-species - *Paraopsimus bidentatus* Champlain & Knull, 1926 (original designation).

1. *Dicentrus bidentatus* (Champlain & Knull, 1926)

Type locality - Holotype female: United States, Oregon ?: Subalpine region. (FMNH).

Distribution - Known from the southern part of Vancouver Island and from Tulare County in the Sierra Nevada of California and Oregon.

Paraopsimus bidentatus Champlain & Knull, 1926: 205.

Dicentrus bidentatus; Hopping, 1928a: 7; Hardy, 1953: B29; Linsley, 1962: 10; Hatch. 1971: 191; Chemsak, 1977a: 177 (type); Chemsak, Linsley & Noguera, 1992: 26 (cat.); Monné, M.A., 1993a: 35 (cat.); Monné, M.A. & Giesbert, 1994: 31 (checklist)Monné, M.A. & Hovore, 2006: 109 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 41, pl. 2.

2. *Dicentrus bluthneri* LeConte, 1880

Syntypes localities - Syntypes: United States, California, Nevada: Sierra Nevada, San Joaquin County; Lake Tahoe. (MCZN). **Distribution** - Pacific coast of North America from British Columbia (Vancouver Island) to aouth and central California **Host plants** - *Calocedrus decurrens* (Torrey) Florin (Cupressaceae), *Abies concolor* Gordon & Glen, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae), *Sequoia sempervirens* (D. Don) Endlicher (Taxodiaceae).

Dicentrus Bluthneri LeConte, 1880c: 195; LeConte & Horn, 1883: 279; Leng, 1884: 96
Dicentrus Bluthneri; Leng, 1885b: 136, pl. 3, fig. 1. (error).
Dicentrus bluthneri; Fall, 1901: 143; Garnett, 1918: 174 (distr.); Hardy, 1950: 18 (distr.); DeLeon, 1952: 81 (hosts); Linsley, 1962a: 8, figs 3, 4; Tyson, 1966: 203 (hosts); Hatch, 1971: 101, pl. 10, fig. 2; Furniss & Carolin, 1977: 299 (hosts); Chemsak, Linsley & Noguera, 1992: 26 (cat.); Monné, M.A., 1993a: 35 (cat.); Monné, M.A. & Giesbert, 1994: 31 (checklist) Linsley & Chemsak, 1997: 365 (hosts); Monné, M.A. & Hovore, 2006: 109 (checklist);
Dicentrus blunthneri; Deyrup, 1977: 181 (paras., error); Bousquet, Laplante, Hammond & Langor, 2017: 41, pl. 2.

Opsimus Mannerheim, 1843

Opsimus Mannerheim, 1843: 305; LeConte, 1857: 60; Thomson, 1861: 377; 1864: 267, 463; Lacordaire, 1868: 212; LeConte, 1873b: 293; Leng, 1884: 96; Craighead, 1923: 35; Bradley, 1930: 231; Van Emden, 1939: 267; Linsley, 1939: 64; Arnett, 1962: 861, 878; Linsley, 1962a: 5; Hatch, 1971: 100; Monné, M. A., 1993a: 34 (cat.); Monné, M.A. & Hovore, 2006: 109 (checklist); Svacha & Lawrence, 2014: 147, 150.
Type-species - *Opsimus quadrilineatus* Mannerheim, 1843 (monotypy).

1. *Opsimus quadrilineatus* Mannerheim, 1843

Type locality - Holotype: United States, Alaska: Sitka. (MZHF). **Distribution** - Pacific coast of North America from Alaska to central California. It is known in Canada from the Rocky Mountains in western Alberta, British Columbia, including Haida Gwaii and Vancouver Island, and southwestern Yukon Territory. **Host plants** - *Cupressus goveniana* Gordon, *C. macrocarpa* Hartweg ex Gordon (Cupressaceae), *Abies grandis* (Lambert) Lindley, *Picea engelmanni* Engelman, *P. sitchensis* (Bongard) Carr, *Pinus contorta* Douglas ex Loudon, *Pseudotsuga menziesii* (Mirbel) Franco, *P. taxifolia* (Poiret) Britton, *Tsuga heterophylla* (Rafinesque) Sargent (Pinaceae), *Sequoia sempervirens* (D. Don) Endlicher (Taxodiaceae).

Opsimus quadrilineatus Mannerheim, 1843: 305; LeConte, 1851: 105; Melsheimer, 1853: 103 (cat.); White, 1855: 308; LeConte, 1857: 23, 60, pl. 2, fig. 10; Thomson, 1861: 377; 1864: 267; Lacordaire, 1868: 212; LeConte, 1873b: 294; LeConte & Horn, 1883: 279; Leng, 1884: 96; 1885: 35, pl. 1, fig. 2; Wickham, 1892: 141 (distr.); Hamilton, 1894c: 30 (distr.); Keen, 1895: 219 (distr.); Van Dyke, 1902: 199 (distr.); Garnett, 1918: 174 (distr., hosts); Craighead, 1923: 35 (larva); Hardy & Preece, 1927b: 62 (hosts); Beaulne, 1932: 198 (hosts); Linsley, 1938: 105 (syn.); Hardy, 1942: 10 (biol.); Tilden, 1945: 30 (hosts); Keen, 1952: 47, 196 (hosts); Spencer, 1958: 11 (biol.); Linsley, 1962a: 6 figs 1,2; Hatch, 1971: 101, pl. 10, fig. 1; Swan & Papp, 1972: 445; Hovore & Giesbert, 1976: 351 (hosts); Deyrup, 1977: 181 (hosts); Furniss & Carolin, 1977: 303 (hosts); Chemsak, Linsley & Noguera, 1992: 26 (cat.); Monné, M.A., 1993a: 34 (cat.); Monné, M.A. & Giesbert, 1994: 31 (checklist) Linsley & Chemsak, 1997: 413 (hosts); Monné, M.A. & Hovore, 2006: 109 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 41, pl. 2.

Opismus quadrilineatus; Hardy & Preece, 1926: 34 (hosts, error).

Opsimus quadrilineatus biplectralis Casey. 1924: 229; Lingafelter *et al.*, 2014: 307, fig. 141k (holotype).

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

PHORACANTHINI Newman, 1840

Phoracanthidae Newman, 1840b: 2.

Phoracanthinae Pascoe, 1869: 498, 533., 1869: 298 (*partim*).

Phoracanthini; Aurivillius, 1912: 83 (cat.); Linsley, 1936a: 461; Knull, 1946: 187; Wang, 1998: 667; Wang, Thornton & New, 1999: 631; Monné, M.A., 2005: 430 (cat.); Martins & Galileo, 2006: 2; Bousquet *et al.*, 2009: 51; Bouchard *et al.*, 2011: 477.

Type-genus: *Phoracantha* Newman, 1840.

Type-species: *Stenocorus semipunctatus* Fabricius, 1775 (original designation).

***Phoracantha* Newman, 1840**

Phoracantha Newman, 1840c: 19; Chevrolat in D'Orbigny, 1847a: 774; Thomson, 1861: 231; 1865: 449; Lacordaire, 1868: 303; Wang, 1995: 865 (revis.); Monné, M.A., 2005: 430 (cat.); Martins & Galileo, 2006: 3; Monné, M.A. & Hovore, 2006: 110 (checklist);
Type-species - *Phoracantha synonyma* Newman, 1840 (Thomson designation, 1864: 238).

1. *Phoracantha recurva* Newman, 1840

Type locality - Holotype: New Holland. (BMNH). **Distribution** - Australia, introduced into Europe (Greece, Spain, France, Belgium, Italy, Turkey, Malta), Africa (South Africa, Malawi, Maroc, Zambia, Mozambique), Israel, United States (California), Brazil (Bahia, Minas Gerais, Paraná, Santa Catarina, Rio Grande do Sul), Paraguay, Chile, Argentina (Corrientes, Córdoba, La Rioja, Santa Fé, Entre Ríos, Buenos Aires, La Pampa, Río Negro), Uruguay. **Host plants** - *Eucalyptus camaldulensis* Dehnhardt, *E.cinerea* F. Müller ex Bentham, *E. citriodora* Hooker, *E. cloeziana* F. Müller, *E. drepanophylla* F. Müller ex Bentham, *E. globulus* Labillardière, *E. grandis* W. Hill ex Maiden, *E. intermedia* R. T. Baker, *E. maculata* Hooker, *E. nova-anglica* Deane & Maiden, *E. ovata* Labillardière, *E. robusta* Smith, *E. saligna* Smith, *E. sideroxylon* Cunnigham ex Woolls, *E. tereticornis* Smith, *E. viminalis* Labillardière (Myrtaceae).

Phoracantha recurva Newman, 1840b: 4; White, 1853: 117; Bianchi & Sánchez, 1999: 18, 1 fig.; Chappell & Rogowitz, 2000: 3810 (physiol.); Luhring *et al.*, 2000: 95 (paras.); Monné, M.A., 2001b: 35 (cat. hosts); Monné, M.A. *et al.*, 2002: 66 (hosts); Paine & Millar, 2002: 148 (pests); Millar *et al.*, 2002: 141 (paras.); Morelli, Bianchi & Sanchez, 2002: 853 (larva, biol.); Di Iorio, Riquelme & Esteban-Durán, 2003: 20, fig. 6 (distr.); Di Iorio, 2004a: 503; 2004c: 21 (distr.); Ely e Silva & Kruger, 2004: 69; Bybee *et al.*, 2004: 1232; Monné, M.A., 2005: 430 (cat.); Bosmans, 2006: 105, 1 fig.; Monné, M.A. & Hovore, 2006: 110 (checklist); Monné, M.A. & Hovore, 2006: 109 (checklist) Martins & Galileo, 2006: 18, figs 1, 3, 4, 7, 19; Bernardi *et al.*, 2010: 583 (distr.); Joyce *et al.*, 2011: 145 (paras.); Menezes *et al.*, 2012: 53 (distr); Faucheux, 2011: 19; Faucheux, 2012: 12, fig. 1 (morphol.); Nascimento & Bravo, 2014: 134 (distr.); Santos *et al.*, 2014: 525 (biol.); Di Iorio & Turienzo, 2015 : 32 (distr.); Haack in Wang, 2017: w/page fig. 11.15 (biol., hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477; Gimmel *et al.*, 2023: 253 (distr.)

2. *Phoracantha semipunctata* (Fabricius, 1775)

Syntypes locality - Syntypes female: Nova Hollandia. (BMNH). **Distribution** - Australia, introduced in Europe (Italy, Spain, France, Sweden, United Kingdom, Turkey, Portugal, Corsica, Canary Islands, Cyprus, Madeira), Africa (South Africa, Zambia, Zimbabwe, Malawi, Argel, Egypt, Maroc, Lybia), Israel, New Zealand, Papua New Guinea, United States, Mexico (Baja California), Cuba, Ecuador, Peru, Chile, Bolivia (Santa Cruz), Brazil (Minas Gerais, Rio de Janeiro, São Paulo, Paraná, Santa Catarina, Rio Grande do Sul), Paraguay, Argentina (Jujuy, San Luís, Santa Fé, Entre Ríos, La Pampa, Buenos Aires, Neuquén), Uruguay. **Host plants** - *Angophora costata* (Gaertner) Britton, *A. intermedia* A.P. de Candolle, *Eucalyptus acmenioides* Schauer, *E. amplifolia* Naudin, *E. botryooides* Smith, *E. camaldulensis* Dehnhardt, *E. capitellata* Smith, *E. cinérea* F. Müller ex Bentham, *E. citriodora* Hooker, *E. cloeziana* F. Müller, *E. corynocalyx* F. Müller, *E. crebra* F. Müller, *E. cypellocarpa* L.A.S. Johnson, *E. dalrympleana* Maiden, *E. deanei* Maiden, *E. delagatensis* R.Baker, *E. diversicolor* F. Müller, *E. dunni* Maiden, *E. fastigata* Deane & Maiden, *E. globulus* Labillardière, *E. gomphocephala* de Candolle, *E. gracilis* W. Hill ex Maiden, *E. leucoxydon* F. Müller, *E. longifolia* Link, *E. maculata* Hooker, *E. microcorys* F. Müller, *E. nitens* Maiden, *E. nova-anglica* Deane & Maiden, *E. obliqua* L'Heritier, *E. occidentalis* Endlicher, *E. oleosa* F. Müller, *E. oreades* R.T. Baker, *E. paniculata* Smith, *E. pellita* F. Müller, *E. phaeotricha* Blakely & McKie, *E. pilularis* Smith, *E. piperita* Smith, *E. propinqua* Deane & Maiden, *E. punctata* de Candolle, *E. resinifera* Smith, *E. robusta* Smith,

E. rostrata Schlechtendal, *E. saligna* Smith, *E. salubris* F. Müller, *E. sideroxylon* Cunningham ex Woolls, *E. tereticornis* Smith, *E. urophylla* S.T. Blakely, *E. viminalis* Labillardière, *Syncarpia glomulifera* (Smith) Niedenzu. (Myrtaceae).

Stenocorus semipunctatus Fabricius, 1775: 180.

Phoracantha semipunctata; Newman, 1840c: 19; Bruch, 1918b: 354, 1 fig.; Molinari, 1923: 135 (hosts); Bosq, 1934: 338 (distr.); Saalas, 1936: 64, pl. 6, fig. 60; Bosq, 1943a: 32 (distr.); De Santis, 1945: 127, 5 pls (biol.); Bosq, 1947b: 6, 4 figs (biol.); Lepesme, 1950: 578, fig. 2; Bosq & Ruffinelli, 1951: 9 (distr.); Duffy, 1953: 180 (larva, pupa); Ruffinelli & Carbonell, 1953: 60 (hosts); Biezanko & Bosq, 1956: 9 (distr., hosts); Baucke, 1957: 8; Buck, 1959: 584 (distr.); Duffy, 1960: 126, figs 73, 74 (larva, pupa); Zajciw & Ruffinelli, 1962: 32 (distr.); Duffy, 1963: 69, figs 44-46 (biol.); Santoro, 1966: 56 (hosts); Ruffinelli, 1967: 43 (hosts); Dourojeanni, 1967: 3 (biol.); Silva, A.G. *et al.*, 1968: 393 (hosts); Ojeda & Cueva, 1971: 31 (distr.); Hovore, 1988: 10 (distr.); Hanks, Paine & Millar, 1991: 1583 (ecol.); Chemsak, Linsley & Noguera, 1992: 46 (cat.); Hanks *et al.*, 1993: 96 (biol.); Barriga *et al.*, 1993: 72 (hosts); Berti, Cerignoni & Souza Júnior, 1995: 40 (distr.); Wang, 1995: 937 (rev.); Iturre, Darchuck & Diodato, 1995: 60 (hosts); Hanks, Millar & Paine, 1995: 183 (ecol.); Noguera & Chemsak, 1996: 399 (cat.); Di Iorio, 1997b: 162 (hosts); Austin & Dangerfield, 1997: 327 (paras.); Berti, Perecin & Bernardi, 1997: 350 (biol.); Lingafelter, 1998: 115; Hanks, Millar & Paine, 1998: 1418 (dispersal); Hanks *et al.*, 1999: 400 (ecol.); Bianchi & Sánchez, 1999: 18, 1 fig. (biol.); Barata *et al.*, 2000: 1877 (biol.); Chappell & Rogowitz, 2000: 3810 (physiol.); Paine *et al.*, 2000: 223 (paras.); Luhring *et al.*, 2000: 95 (paras.); Monné, M.A., 2001b: 36 (cat. hosts); Oliveira *et al.*, 2001: 52 (biol.); Hanks *et al.*, 2001: 152 (paras.); Monné, M.A. *et al.*, 2002: 66 (hosts); Barata *et al.*, 2002: 121 (physiol.); Joyce *et al.*, 2002: 207 (biol.); Lopes *et al.*, 2002: 1 (morphol.); Millar *et al.*, 2002: 141 (paras.); Morelli, Bianchi & Sanchez, 2002: 857 (larva, pupa, biol.); Paine & Millar, 2002: 147 (pests); Onore & Mazza, 2003: 61, 5 figs; Di Iorio, 2004a: 503; Ely e Silva & Kruger, 2004: 73, figs 2, 4 (distr.); Bybee *et al.*, 2004: 1232; Monné, M.A., 2005: 430 (cat.); Hanks, Paine & Millar, 2005: 25 (larvae); Wappes *et al.*, 2006: 12 (distr.); Vergara, Jerez & Parra, 2006: 375 (distr.); Martins & Galileo, 2006: 7, figs 2, 5, 6, 8-17, 20; Monné, M.A. & Hovore, 2006: 110 (checklist); Grillo-Ravelo & Fernández, 2007: 444, fig. 1 (distr.); Monné, M.L. *et al.*, 2010: 242 (distr.); Faucheux, 2011: 19; Joyce *et al.*, 2011: 145 (paras.); Pacini, 2011: 27 (distr.); Monné, M.A. & Chaboo, 2015: 61 (distr., hosts); Devesa, Fonseca & Barro, 2015: 33, 342, figs 1-8; Haack in Wang, 2017: w/page fig. 11.16 (biol., hosts); Lingafelter, Wappes & Ledezma Arias, 2017: 105, 1 fig.; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477; Gimmel *et al.*, 2023: 253 (distr.)

Phoracantha inscripta Germar, 1848: 226.

Syntypes locality - Syntypes: Adelaide. (ZMHB).

Phoracantha hospita Pascoe, 1864: 232.

Syntypes locality - Syntypes: Queensland. (BMNH).

PIEZOCERINI Lacordaire, 1868

Piezocerides Lacordaire, 1868: 204 (key), 324.

Piezocerinae; Bates, 1870: 280.

Piezocerini; Gounelle, 1909: 651; Aurivillius, 1912: 102 (cat.); Arnett, 1962: 860, 884; Linsley, 1963: 132; Martins, 1976a: 165 (rev.); Monné, M.A., 1993c: 23 (cat.); Martins, 2003b: 65 (rev.); Monné, M.A., 2005: 430 (cat.); Bousquet *et al.*, 2009: 52; Bouchard *et al.*, 2011: 478.

Type-genus: *Piezocera* Audinet-Serville, 1834.

Type-species: *Piezocera bivittata* Audinet-Serville, 1834 (monotypy).

PIEZOCERINA Lacordaire, 1868

Piezocérides Lacordaire, 1868: 204 (key), 324.

Piezocerina; Martins, 1976a: 199, 227 (rev.); 2003c: 94 (rev.); Monné, M.A., 1993c: 25 (cat.); Monné, M.A., 2005: 433 (cat.); Bousquet *et al.*, 2009: 52; Bouchard *et al.*, 2011: 477.

Type genus: *Piezocera* Audinet-Serville, 1834.

Type species: *Piezocera bivittata* Audinet-Serville, 1834 (monotypy).

Zelliboriinae Lane, 1951: 5.

Type-genus: *Zelliboria* Lane, 1951.

Type-species: *Rhagium daedaleum* Perty, 1830 (original designation).

***Piezocera* Audinet-Serville, 1834**

Piezocera Audinet-Serville, 1834b: 92; Laporte, 1840: 446; Berge, 1844: 38; Strauch, 1861: 131; Thomson, 1861: 202; 1864: 221; 1865: 439; Lacordaire, 1868: 326; Bates, 1885: 258; Linell, 1897: 394; Gounelle, 1909: 651; Arnett, 1962: 860, 884; Linsley, 1963: 132; Martins, 1976a: 257 (rev., syn.); 2003: 116; Monné, M.A., 1993c: 28 (cat.) Monné, M.A., 2005: 441 (cat.); Monné, M.A. & Hovore, 2006: 112 (checklist) Monné, M.A., 2012: 43.

Type-species - *Piezocera bivittata* Audinet-Serville, 1834 (original designation).

Pyrgotes Bates, 1867: 27; 1870: 283.

Type-species - *Pyrgotes aeneus* Bates, 1867 (monotypy).

1. *Piezocera monochroa* Bates, 1885

Type locality - Lectotype male; Guatemala, [Baja Verapaz]: San Gerónimo. (BMNH).

Distribution – United States (Texas), Mexico (Hidalgo, Oaxaca, Veracruz, Chiapas, Quintana Roo), Guatemala (Baja Verapaz), Honduras, Nicaragua, Costa Rica. **Host plants** - *Celtis laevigata* Willdenow, *C. lindheimeri* Engelman, *C. pallida* Torrey, *C. spinosa* Torrey (Cannabaceae), *Diospyros texana* Scheele (Ebenaceae), *Pithecellobium flexicaule* (Benth) Coult., *Prosopis* sp., *Vachellia farnesiana* (Linnaeus) Wight & Arn. (Mimosaceae), *Fraxinus berlandierana* DC (Oleaceae).

Piezocera monochroa Bates, 1885: 258; Chemsak, 1967c: 79 (lect.); Martins, 1976a: 276, figs 83, 90; Chemsak, Linsley & Mankins, 1980: 31 (distr.); Chemsak, Linsley & Noguera, 1992: 49 (cat.); Monné, M.A., 1993c: 29 (cat.); Monné M.A. & Giesbert, 1994: 66 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Toledo *et al.*, 2002: 527 (distr.); Turnbow, Cave & Thomas, 2003: 11 (distr.); Monné, M.A., 2005: 442 (cat.); Monné, M.A. & Hovore, 2006: 112 (checklist); Hovore, 2006: 372 (distr.); Audureau, 2008c: 10 (distr.); Swift *et al.*, 2010: 25 (distr.); Maes *et al.*, 2010: 318, 3 figs (distr.); Bezark, 2013: 46 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477; Santos-Silva, Botero & Fletchmann, 2023: 5, figs 2 D-2E

Piezocera serraticollis Linell, 1897: 394; Wickham, 1898: 41 (distr.); Townsend, 1893: 76 (distr.); Schaeffer, 1908: 327 (distr.); Linsley, 1963: 133; Martins, 1976: 274, fig. 91; Hovore, Penrose & Giesbert, 1978: 98 (hosts); Turnbow & Wappes, 1978: 369 (hosts); Hovore, Penrose & Neck, 1987: 304 (distr.); Chemsak, Linsley & Noguera, 1992: 49 (cat.); Monné, M.A., 1993c: 29 (cat.); Monné M.A. & Giesbert, 1994: 66 (checklist); Monné, M.A. & Giesbert, 1994: 66 (cat.); Noguera & Chemsak, 1996: 399 (distr.); Linsley & Chemsak, 1997: 420 (hosts); Monné, M.A. & Hovore, 2006: 112 (checklist); Lingafelter *et al.*, 2014: 318, figs 153g, h (holotype); Noguera *et al.*, 2017: 9 (distr.); Heffern, Vlasak & Alten, 2018: 745 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477

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

PLECTROMERINI Nearns & Branham, 2008

Plectromerini Nearns & Branham, 2008: 19; Bousquet *et al.*, 2009: 53; Bouchard *et al.*, 2011: 479.

Type-genus: *Plectromerus* Haldeman, 1847.

Type-species: *Obrium dentatum* J.E. LeConte, 1824 (= *Callidium dentipes* Olivier, 1790) designated by Linsley (1963: 135).

***Plectromerus* Haldeman, 1847**

Plectromerus Haldeman, 1847a: 43; LeConte, 1873a: 189; 1873b: 304; LeConte & Horn, 1883: 290; Leng, 1884: 115; Bradley, 1930: 234; Cazier & Lacey, 1952: 29 (key spp.); Arnett, 1962: 866, 884; Linsley, 1963: 134; Zayas, 1975: 122; Giesbert, 1985: 80; Monné, M.A., 1993c: 7 (cat.); Vitali, 2004: 454 (key spp.); Monné, M.A., 2005: 133 (cat.); Nearn & Branham, 2008: 20 (rev., syn.); Nearn & Miller, 2009: 60 (key); Monné, M.A., 2012: 44.

Type-species - *Obrium dentatum* J. E. LeConte, 1824 (subsequent designation, Linsley, 1963: 135). [= *Callidium dentipes* Olivier, 1790].

Pentomacrus White, 1855: 297; Thomson, 1864: 244; Lacordaire, 1868: 397; Cameron, M., 1910: 136 (key spp.); Cazier & Lacey, 1952: 29 (key spp.); Zayas, 1975: 126.

Type-species - *Saperda femorata* Fabricius, 1793 (monotypy).

Curiosa Micheli, 1983: 261.

Type-species - *Curiosa dominicana* Micheli, 1983 (original designation).

1. *Plectromerus dentipes* (Olivier, 1790)

Type locality - Holotype: United States, Georgia. (Depository unknown). **Distribution** - United States (Louisiana to Florida, California), Cuba, Bahamas. **Host plants** - *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae), *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Crossopetalum rhacoma* Hitchcock (Celastraceae), *Conocarpus erectus* Linnaeus (Combretaceae), *Juniperus bermudiana* Linnaeus (Cupressaceae), *Quercus* sp. (Fagaceae), *Carya illinoensis* (Wagenheim) K. Koch, *C. pecan* (Marshall) Engler & Graebner (Juglandaceae), *Lysiloma latisiliqua* (Linnaeus) Benth (Mimosaceae), *Taxodium distichum* (Linnaeus) Richard (Taxodiaceae).

Callidium dentipes Olivier, 1790: 268; 1795: (70) 29, pl. 4, fig. 40.

Clytus dentipes; Schoenherr, 1817: 472.

Clytus ? dentipes; Haldeman, 1847a: 41.

Curius dentipes; Gemminger & Harold, 1872: 2836 (cat.).

Plectromerus dentipes; LeConte, 1873a: 189; 1873b: 304; LeConte & Horn, 1883: 290; Leng, 1885b: 135, pl. 3, fig. 11; Horn, 1885b: 5 (syn.); 1886a: 138; Hamilton, 1894a: 252, 256 (distr.); Castle & Laurent, 1897: 8 (distr.); Wickham, 1909b: 402 (distr.); Blatchley, 1917: 272 (distr.); Loding, 1945: 116 (distr.); Cazier & Lacey, 1952: 30; Linsley, 1963: 135; Zayas, 1975: 123, pl. 16, fig. a; Turnbow & Hovore, 1979: 222 (hosts); Turnbow & Franklin, 1980: 342 (distr.); Chemsak, Linsley & Noguera, 1992: 54 (cat.); Monné, M.A., 1993: 7 (cat.); Monné, M.A. & Giesbert, 1994: 83 (checklist) Browne & Peck, 1996: 2158, 2160 (distr.); Linsley & Chemsak, 1997: 421 (hosts); Monné, M.A., 2001a: 51 (cat. hosts); Vitali & Resbanyai-Reser, 2003: 5; Peck, 2005: 171 (distr.); Monné, M.A., 2005: 133 (cat.); Thomas & Turnbow, 2007: 584 (distr.); Nearn & Branham, 2008: 24, figs 8a-b, 9a-c, 21e (syn.); Swift, 2008a: 3 (distr.); Turnbow & Thomas, 2008: 21 (distr.); Devesa, Fonseca & Barro, 2015: 32, 260, figs 1-9; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 477

Plectromerus dentipes; Browne, Peck & Ivie, 1993: 46 (distr., error).

Pentomacrus dentipes; Cameron, M., 1910: 136; Gowdey, 1926: 21 (distr.).

Obrium dentatum J. E. LeConte, 1824: 172, pl. 11, fig. 11; LeConte, 1850b: 22.

Plectromerus dentatus; Haldeman, 1847a: 43.

Curius dentatus; Melsheimer, 1853: 106 (not *Curius dentatus* Newman, 1840).

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

Curius scambus Newman, 1841: 79; LeConte, 1850b: 22; White, 1855: 247; Lacordaire, 1868: 352.

Plectromerus scambus; LeConte, 1873b: 304; LeConte & Horn, 1883: 290; Vitali & Resbanyai-Reser, 2003: 5.

Pentomacrus scambus; Cameron, M., 1910: 136.

Type locality - Holotype: United States, Florida: St. John's Bluff. (BMNH).

Plectromerus costatus Cazier & Lacey, 1952: 30, fig. 3; Chemsak, Linsley & Noguera, 1992: 54 (cat.); Vitali & Resbanyai-Reser, 2003: 5; Monné, M.A., 2005: 133 (cat.).

Plectromerus costatus; Browne, Peck & Ivie, 1993: 46 (distr., error).

Type locality – Holotype: Bahamas, South Bimini Island. (AMNH).

PLESIOCLYTINI Wappes & Skelley, 2015

Plesioclytini Wappes & Skelley, 2015: 2; Sutherland, Schnepf, Powell & Bybee, 2021: 2

Type genus - *Plesioclytus* Giesbert, 1993

Type-species - *Plesioclytus relictus* Giesbert, 1993 (original designation).

***Plesioclytus* Giesbert, 1993**

Plesioclytus Giesbert, 1993a: 129; Wappes & Skelley, 2015: 2.

Type-species - *Plesioclytus relictus* Giesbert, 1993 (original designation)

1. *Plesioclytus morrissi* Wappes & Skelley, 2015

Type locality - Holotype male: United States, Georgia: Emanuel County, Ochopee Dunes NA, Hall's Bridge Road. (FSCA). **Distribution** - United States (Georgia, Emanuel Co. and Tattnall Co.). **Host plants** - *Polygonum fimbriatum* Elliott, *P. pinicola* T.M. Schust (Polygonaceae)

Plesioclytus morrissi Wappes & Skelley, 2015: 3, figs 1z-b, 2a-b, 6a-b; Schnepf, 2019: 2 (biol.).

2. *Plesioclytus relictus* Giesbert, 1993

Type locality - Holotype male: United States, Florida: Archbold Biological Station, Lake Placid, Highlands County. (FSCA). **Distribution** - United States (SE Florida). **Hosts plants** - *Polygonum polygamum brachystachyum* (Meisn.) (Polygonaceae).

Plesioclytus relictus Giesbert, 1993a: 129, figs 1, 2A, 2B; Monné, M.A. & Giesbert, 1994: 119 (cat.); Peck & Thomas, 1998: 119 (distr.); Monné, M.A. & Hovore, 2006:46; Lingafelter, 2007: 81, 149, 2 figs, pl. 19, fig. c; Wappes & Skelley, 2015: 2, figs 3a-b, 4a-b, 5a-b, 7a-b.; Schnepf, 2019: 2 (biol.)

PSEBIINI Lacordaire, 1868

Leptidéites Fairmaire, 1864: 148, 193 (based on *Leptidea* Mulsant, 1839). **Nomen nudum.**

Leptideina; Reitter, 1912: 24, 26.

Psébiides Lacordaire, 1868: 403 (key), 479.

Psebiina; Plavilstshikov, 1932: 74.

Psebiini; Gounelle, 1913: 219; Heyrovsky, 1955: 164; Martins & Napp, 1984: 320 (rev.); Monné, M.A., 1993g: 6 (cat.); Martins, 2003a: 36 (rev., syn.); Monné, M.A., 2005: 445 (cat.); Bousquet *et al.*, 2009: 53; Bouchard *et al.*, 2011: 479.

Type-genus: *Psebiium* Pascoe, 1864.

Type-species: *Psebiium brevipenne* Pascoe, 1864 (monotypy).

Gracilaires Mulsant, 1839: 99 (*partim*); Planet, 1924: 142 (*partim*).

Graciliates; Mulsant, 1863: 192 (*partim*).

Cambaiinae Lane, 1951: 12.

Type-genus: *Cambaia* Lane, 1951.

Type-species: *Cambaia longitarsis* Lane, 1951 (original designation).

Nathriini Arnett, 1962: 860; Linsley, 1963: 153; Monné, M.A., 1993g: 1 (cat.). (*partim*).

Type-genus: *Nathrius* Brèthes, 1916

Type-species: *Nathrius porteri* Brèthes, 1916 (monotypy).

***Nathrius* Brèthes, 1916**

Nathrius Brèthes, 1916: 76; Heyrovsky, 1955: 164; Linsley, 1963: 153; Martins, 2003a: 40; Monné, M.A., 2005: 446 (cat.); Monné, M.A. & Hovore, 2006: 113 (checklist);

Type-species - *Nathrius porteri* Brèthes, 1916 (monotypy) [= *Leptidea brevipennis* Mulsant, 1839].

Leptidea Mulsant, 1839: 105; 1863: 200; Thomson, 1864: 440; Fairmaire in Jacquelin DuVal, 1864: 149; Lacordaire, 1868: 481; Planet, 1924: 142; Portevin, 1927: 24; Picard, 1929: 79; Plavilstshikov, 1932: 74; Villiers, 1946: 66.

Type-species - *Leptidea brevipennis* Mulsant, 1839 (monotypy).

Leptideella Strand, 1936: 169 (*nom. nov. pro Leptidea* Mulsant, 1839, not Billberg, 1820)

Deuteroleptidea Paclt, 1946: 169 (*nom. nov. pro Leptidea* Mulsant, 1839, not Billberg, 1820).

1. *Nathrius brevipennis* (Mulsant, 1839)

Syntypes locality - Syntypes male and female: Europe. (MNHN). **Distribution** – Europe (Germany, Great Britain, France, Denmark, Norway, Italy, Croatia, Greece, Crete, Spain), China, Asia Minor, Middle East (Lebanon, Cyprus, Israel), northern Africa (Algeria, Tunisia), introduced by commerce into United States, Brazil, Argentina (Buenos Aires), Chile and Uruguay. **Host plants** - *Pistacia lentiscus* Linnaeus (Anacardiaceae), *Hedera helix* Linnaeus (Araliaceae), *Araucaria angustifolia* (Bertoloni) Kuntze (Araucariaceae), *Alnus* sp., *Ostrya* sp. (Bertulaceae), *Ceratonia siliqua* Linnaeus (Caesalpiniaceae), *Viburnum opulus* Linnaeus (Caprifoliaceae), *Cornus sanguinea* Linnaeus (Cornaceae), *Cupressus sempervirens* Linnaeus (Cupressaceae), *Robinia* sp., *Spartium junceum* Linnaeus, *Wisteria chinensis* de Candolle (Fabaceae), *Castanea sativa* Miller, *Corylus avellana* Linnaeus, *Quercus agrifolia* Née, *Q. faginea* Lamarck, *Q. ilex* Linnaeus, *Q. mirbeckii* Durand, *Q. robur* Linnaeus, *Q. rubra* Linnaeus, *Q. wislizenii* A. de Candolle (Fagaceae), *Juglans californica* S. Watson, *J. regia* Linnaeus (Juglandaceae), *Laurus nobilis* Linnaeus, *Persea americana* P. Miller (Lauraceae), *Ficus carica* Linnaeus, *Maclura aurantiaca* Nuttall, *Morus alba* Linnaeus, *M. nigra* Linnaeus (Moraceae), *Fraxinus* sp., *Ligustrum japonicum* Thunberg, *Olea europaea* Linnaeus (Oleaceae), *Passiflora caerulea* Linnaeus (Passifloraceae), *Cedrus atlantica* Manetti, *Pinus halepensis* Miller (Pinaceae), *Zizyphus lotus* Lamarck (Rhamnaceae), *Cotoneaster* sp., *Cydonia oblonga* Miller, *Eriobotrya* sp., *Photinia arbutifolia* Lindley, *Prunus domestica* Linnaeus, *Prunus persica* (Linnaeus) Batsch, *Pyrus communis* Linnaeus, *Rosa canina* Linnaeus, *Rosa centifolia* Linnaeus (Rosaceae), *Salix alba* Linnaeus, *S. babylonica* Linnaeus, *S. purpurea* Linnaeus, *S. viminalis* Linnaeus, *S. vitellina* Linnaeus (Salicaceae).

Leptidea brevipennis Mulsant, 1839: 105, pl. 2, fig. 3; 1863: 200; Thomson, 1864: 223; Fairmaire in Jacquelin DuVal, 1864: 44, fig. 206; Lacordaire, 1868: 482; Nicolas, 1884: 62 (biol.); 1891: 56 (biol.); Aurivillius, 1912: 262 (cat., refs); Linsley, 1933b: 170; Bosq, 1943a: 31; 1943b: 107 (distr., hosts); Lepesme, 1944: 191, fig. 173 (biol.); Prosen, 1947: 325 (distr.); Molinari, 1948: 254, fig. 231 (hosts).

Gracilia brevipennis; Dufour, 1851: 350; White, 1855: 241.

Leptideella brevipennis; Strand, 1936: 169; Duffy, 1953: 73, 197, fig. 176 (biol., refs).

Leptidiella brevipennis; Middlekauff & Underhill, 1949: 128 (hosts); Leech, 1954: 158 (hosts).

Deuteroleptidea brevipennis; Paclt, 1946: 169.

Nathrius brevipennis; Bosq, 1948: 69; 1949: 81; Bosq & Ruffinelli, 1951: 12 (distr., hosts); Duffy, 1957: 126; Buck, 1959: 587 (distr.); Duffy, 1960: 142, fig. 81 (larva, refs); Zajciw & Ruffinelli, 1962: 38 (distr.); Linsley, 1963: 154, fig. 49 (refs); Tyson, 1966: 204 (hosts); Ruffinelli, 1967: 44 (hosts); Chemsak, Linsley & Noguera, 1992: 56 (cat.); Barriga *et al.*, 1993: 71 (hosts); Monné, M.A., 1993g: 2 (cat.); Monné, M.A. & Giesbert, 1994: 88 (checklist) Di Iorio, 1997b: 162 (hosts); Linsley & Chemsak, 1997: 401 (hosts); Di Iorio & Zelich, 1997: 286 (hosts); Monné, M.A., 2001b: 31 (cat. hosts); Martins, 2003: 40, figs 33-39; Di Iorio, 2004d: 668 (distr., hosts); Monné, M.A., 2005: 446 (cat.); Monné, M.A. & Hovore, 2006: 113 (checklist); Di Iorio & Farina, 2009: 86 (hosts); Machado *et al.*, 2012: 188 (hosts); Zúñiga-Reinoso, 2013: 55, fig. 1f (distr.); Di Iorio & Turienzo, 2015: 32 (distr.); Gimmel *et al.*, 2023: 253 (distr.)

Leptidea minuta Motschulsky, 1845: 84.

Syntypes locality - Syntypes: Lower Ural River. (ZMUM).

Gracilia manca LeConte, 1850b: 24; White, 1855: 241; Leng, 1885a: 118; Leonard, 1928: 436 (distr.).

Leptidea manca; Lacordaire, 1868: 482.

Syntypes locality - Syntypes: United States, New York. (MCZN).

Gracilia rufipennis Dufour, 1851: 351.

Type locality - Holotype: United States, New York. (MNHN).

Nathrius porteri Bréthes, 1916 77, fig. 1.

Type locality - Holotype female: Chile, Santiago. (MACN).

RHINOTRAGINI Thomson, 1861

Rhinotragitae Thomson, 1861: 133 (key), 176 (key), 177.

Rhinotragides; Lacordaire, 1868: 497.

Rhinotraginae; Bates, 1870: 316; 1873: 21.

Rhinotragini; Aurivillius, 1912: 277 (cat.); Linsley, 1961a: 630 (mimet.); Arnett, 1962: 860, 885; Linsley, 1963: 164; Giesbert, 1991: 379 (key gen.); Monné, M.A., 1993g: 10 (cat.); Monné, M.A., 2005: 453 (cat.); Bousquet *et al.*, 2009: 55; Bouchard *et al.*, 2011: 481.

Type-genus: *Rhinotragus* Germar, 1823.

Type-species: *Rhinotragus dorsiger* Germar, 1823 (monotypy).

Ameriphoderes Clarke, 2015

Ameriphoderes Clarke, 2015: 38.

Type-species - *Acyphoderes acutipennis* Thomson, 1860 (original designation).

1. Ameriphoderes suavis (Bates, 1885)

Type locality - Holotype male: Mexico, Veracruz: Córdoba. (BMNH). **Distribution** – United States (Texas), Mexico (Sonora, Sinaloa, Tamaulipas, Nayarit, Jalisco, Michoacán, Veracruz, Oaxaca, Chiapas, Yucatán), Guatemala, Costa Rica, Nicaragua. **Host plants** - *Euphorbia* sp., *Jatropha curcas* Linnaeus (Euphorbiaceae), *Casearia nitida* Jacquin (Flacourtiaceae), *Coccoloba liebmanni* (Polygonaceae).

Acyphoderes suavis Bates, 1885: 290, pl. 20, fig. 20; Chemsak & Linsley, 1979a: 80, fig. 6; Chemsak, Linsley & Noguera, 1992: 58 (cat.); Monné, M.A., 1993g: 42 (cat.); Monné, M.A. & Giesbert, 1994: 90 (checklist) Chemsak & Noguera, 1995: 61 (distr., hosts); Noguera & Chemsak, 1996: 400 (cat.); Maes, 1998: 897 (distr.); Heffern, 2001: 94 (distr.); Monné, M.A., 2001b: 41 (cat.); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.); Monné, M.A., 2005: 457 (cat.); Hovore, 2006: 373 (distr.); Monné, M.A. & Hovore, 2006: 115 (checklist); Noguera *et al.*, 2007: 311 (distr.); Audureau, 2008c: 11 (distr.); Swift *et al.*, 2010: 26 (distr.); Maes *et al.*, 2010: 393, 8 figs (distr.); Noguera *et al.*, 2012: 621 (distr.); García Morales *et al.*, 2015: 105 (distr.).

Ameriphoderes suavis; Clarke, 2015: 49, figs 37, 38 ; Bezark, 2019 : 409 ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477

Odontocera Audinet-Serville, 1834

Odontocera Audinet-Serville, 1834a: 546; Laporte, 1840: 442; Guérin-Méneville, 1844a: 237; Blanchard, 1845: 151; Thomson, 1861: 177; 1864: 165; 1865: 417; Lacordaire, 1868: 503; Bates, 1870: 320; 1873: 36; Chenu, 1870: 316; Linsley, 1963: 164; Zayas, 1975: 129; Chemsak & Linsley, 1979: 80; Monné, M.A. & Magno, 1988: 441 (key spp.); Monné, M.A., 1993g: 30 (cat.); Monné, M. A. 2005: 469 (cat.); Monné, M.A., 2012: 48.

Type-species - *Odontocera vitrea* Audinet-Serville, 1834 (subsequent designation, Thomson, 1864: 165). [= *Necydalis fasciata* Olivier, 1795].

1. Odontocera aurocincta arizonensis Linsley, 1961

Type locality - Holotype male: United States, Arizona: Santa Rita Mts (Box Canyon). (CASC). **Distribution** - United States (Arizona), Mexico (Sonora, Sinaloa).

Odontocera aurocincta arizonensis Linsley, 1961d: 163; 1963: 165; Chemsak & Linsley, 1979a: 82, fig. 71; Chemsak, Linsley & Noguera, 1992: 58 (cat.); Monné, M.A., 1993g: 31 (cat.); Monné, M.A. & Giesbert, 1994: 93 (checklist) Noguera & Chemsak, 1996: 400 (cat.); Monné, M.A. 2005: 470 (cat.); Monné, M.A. & Hovore, 2006: 119 (checklist); Noguera *et al.*, 2009: 88 (distr.).

RHOPALOPHORINI Blanchard, 1845

Rhopalophorites Blanchard, 1845: 152, 171; Chenu, 1870: 316.

Rhopalophoritae; Thomson, 1861: 176

Rhopalophorides; Lacordaire, 1869: 109.

Rhopalophorinae; Bates, 1870: 403.

Rhopalophorini; LeConte, 1873b: 307; LeConte & Horn, 1883: 292; Leng, 1884: 114; Blatchley, 1910: 1029; Aurivillius, 1912: 430 (cat.); Knull, 1946: 187; Gressitt, 1951: 315; Arnett, 1962: 861, 887; Linsley, 1964: 187; Giesbert & Chemsak, 1993: 28 (key gen.); Monné, M.A., 1994a: 1 (cat.); Marques & Napp, 2003: 491 (cladistics); Monné, M.A., 2005: 508 (cat.); Bousquet *et al.*, 2009: 53; Bouchard *et al.*, 2011: 481.

Type-genus: *Rhopalophora* Audinet-Serville, 1834.

Type-species: *Rhopalophora sanguinicollis* Audinet-Serville, 1834 (monotypy).

***Dihammaphora* Chevrolat, 1859**

Dihammaphora Chevrolat, 1859a: 50; Thomson, 1861: 180; 1864: 170; 1865: 418; Lacordaire, 1869: 108; Bradley, 1930: 228; Arnett, 1962: 861, 887; Linsley, 1964: 187; Monné, M.A., 1994a: 1 (cat.); Mermudes & Napp, 2004: 271 (transf.); Monné, M.A., 2005: 518 (cat.); Monné, M.A. & Hovore, 2006: 128 (checklist); Napp & Mermudes, 2010: 870 (rev.); Monné, M.A., 2012: 50.

Diammaphora; Chevrolat, 1859a: 50 (error).

Dihammaphora; Bates, 1870: 403; 1880: 61; Schaeffer, 1908: 339 (error).

Type-species - *Dihammaphora marginicollis* Chevrolat, 1859 (subsequent designation, Thomson, 1864: 170).

Diammatophora Gemminger & Harold, 1872: 2947 (cat., emend.).

Dihammaphora; Bruch, 1912: 201 (cat., error).

1. *Dihammaphora dispar* Chevrolat, 1859

Synatypes locality - Syntypes male and female: Mexico. (MNHN). **Distribution** - United States (Texas), Mexico (Puebla, Veracruz, Oaxaca), Guatemala, Panama.

Dihammaphora dispar Chevrolat, 1859a: 52; Linsley, 1964: 187; Chemsak, Linsley & Noguera, 1992: 74 (cat.); Monné, M.A., 1994a: 1 (cat.); Monné, M.A. & Giesbert, 1994: 122 (checklist) Noguera & Chemsak, 1996: 401 (cat.); Monné, M.A., 2005: 520 (cat.); Hovore, 2006: 374 (distr.); Monné, M.A. & Hovore, 2006: 128 (checklist);

Dihammaphora dispar; Bates, 1880: 61 (distr.); 1885: 308 (distr.); Schaeffer, 1908: 338; Hovore, Penrose & Neck, 1987: 307 (biol., distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477

***Rhopalophora* Audinet-Serville, 1834**

Rhopalophora Audinet-Serville, 1834a: 100; Laporte, 1840: 439; LeConte, 1854c: 218 (syn.); Chevrolat, 1859b: 57; Strauch, 1861: 132; Thomson, 1861: 177, 180; 1865: 418; Lacordaire, 1869: 110; Chenu, 1870: 316; Bates, 1870: 403; 1880: 61; Leng, 1886: 30; Casey, 1891: 30 (key spp); Gounelle, 1911a: 98; Bradley, 1930: 230; Knull, 1946: 227; Arnett, 1962: 861, 887; Linsley, 1964: 188; Zayas, 1975: 162; Giesbert & Chemsak, 1993: 29 (rev.); Monné, M.A., 1994a: 1 (cat.); Monné, M. A., 2005: 531 (cat.); Monné, M.A. & Hovore, 2006: 130 (checklist); Monné, M. A., 2012: 51.

Rhopalophorus; LeConte, 1873b: 307; LeConte & Horn, 1883: 292. (error).

Type-species - *Rhopalophora sanguinicollis* Audinet-Serville, 1834 (monotypy) [= *Callichroma collare* Germar, 1823]

Tinopus LeConte, 1850b: 19; Thomson, 1864: 213.

Type-species - *Stenocorus longipes* Say, 1824 (monotypy).

1. *Rhopalophora angustata* Schaeffer, 1905

Syntypes locality - Syntypes male and female: United States, Texas: Brownsville. (USNM).

Distribution - United States (Texas, Lower Rio Grande Valley), Mexico (Tamaulipas, Nuevo León). **Host plants** - *Baccharis neglecta* Nuttall (Asteraceae), *Celtis berlandieri* Klotzsch (Cannabaceae), *Diospyros texana* Scheele (Ebenaceae), *Eysenhardtia polystachya* (Ortega) Sargent, *E. texana* Scheele (Fabaceae), *Pithecellobium flexicaule* (Benth) Coulter, *P. pallens* (Benth) Standley (Mimosaceae), *Citrus sinensis* (Linnaeus) Osbeck, *Zanthoxylum fagara* (Linnaeus) Sargent (Rutaceae).

Rhopalophora angustata Schaeffer, 1905: 162; 1908: 327; Linsley & Martin, 1933: 181; Vogt, 1949: 175 (biol.); Linsley, 1964: 188; Hovore & Giesbert, 1976: 357 (hosts); Manley & French, 1976: 49; Turnbow & Wappes, 1978: 369 (hosts); 1981: 77 (hosts); Hovore, Penrose & Neck, 1987: 308 (biol.); Chemsak, Linsley & Noguera, 1992: 75 (cat.); Giesbert & Chemsak, 1993: 30; ; Monné, M.A., 1994a: 1 (cat.); Monné, M.A. & Giesbert, 1994: 126 (checklist) Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 1997: 429 (hosts); Monné, M. A., 2001: 50 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Monné, M. A., 2005: 532 (cat.); Monné, M.A. & Hovore, 2006: 130 (checklist); MacRae & Rice, 2007: 243; Lingafelter *et al.*, 2014: 16, figs 16g, h (holotype); García Morales *et al.*, 2015: 105 (distr.); Perez & Toledo, 2020:13; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477

2. *Rhopalophora bicolorella* Knull, 1934

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

Distribution - United States (Southern Texas to southern Arizona), Mexico (Baja California, Sonora, Coahuila, Tamaulipas. Oaxaca). **Host plants** - *Juglans major* A. A. Heller (Juglandaceae), *Salix* sp. (Salicaceae).

Rhopalophora bicolorella Knull, 1934c: 336; Linsley, Knull & Statham, 1961b: 19; Linsley, 1964: 192; Hovore & Giesbert, 1976: 357 (hosts); Cope, 1984a: 34 (hosts); Chemsak, Linsley & Noguera, 1992: 75 (cat.); Giesbert & Chemsak, 1993: 31, fig. 4; Monné, M.A. & Giesbert, 1994: 126 (checklist) ; Monné, M.A., 1994a: 1 (cat.); Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 1997: 429 (hosts); Monné, M. A., 2001b: 50 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Monné, M. A., 2005: 532 (cat.); Monné, M.A. & Hovore, 2006: 130 (checklist); MacRae & Rice, 2007: 643 (biol.); Noguera *et al.*, 2012: 621 (distr.); Lingafelter *et al.*, 2014: 28, figs 28u, v (holotype); García Morales *et al.*, 2015: 105 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477

3. *Rhopalophora cupricollis* Guérin-Méneville, 1844

Type locality - Holotype: Mexico (MNHN). **Distribution** - United States (Texas, Lower Rio Grande Valley), Mexico (Sinaloa, Durango, Nuevo León, Tamaulipas, Nayarit, Jalisco, Veracruz, Chiapas), Guatemala, Honduras, Nicaragua (Chontales), Costa Rica (Guanacaste).

Host plants - *Celtis berlandieri* Klotzsch (Cannabaceae), *Diospyros texana* Scheele (Ebenaceae), *Pithecellobium flexicaule* (Benth) Coulter, *P. pallens* (Benth) Standley, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Condalia obovata* Hooker (Rhamnaceae), *Citrus sinensis* (Linnaeus) Osbeck, *Zanthoxylum fagara* (Linnaeus) Sargent (Rutaceae).

Rhopalophora cupricollis Guérin-Méneville, 1844a: 235; White, 1855: 205; Bates, 1874: 224 (distr.); Thomson, 1878a: 16 (type); Bates, 1880: 62 (distr.); 1885: 309; Chemsak, Linsley & Noguera, 1992: 75 (cat.); Giesbert & Chemsak, 1993: 32, figs 1, 2 (syn.); Monné, M.A. & Giesbert, 1994: 126 (checklist) ; Monné, M.A., 1994a: 1 (cat.); Maes *et al.*, 1994: 22 (distr.);

Chemsak & Noguera, 1995: 62 (biol., distr.); Noguera & Chemsak, 1996: 401 (cat.); Maes, 1998: 903 (distr.); Monné, M.A., 2001b: 51 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 104 (distr.); Toledo *et al.*, 2002: 528 (distr.); Turnbow, Cave & Thomas, 2003: 17 (distr.); Monné, M.A., 2005: 533 (cat.); Hovore, 2006: 374 (distr.); Monné, M.A. & Hovore, 2006: 130 (checklist); Noguera *et al.*, 2007: 311 (distr.); MacRae & Rice, 2007: 143 (biol.); Swift *et al.*, 2010: 29 (distr.); Maes *et al.*, 2010: 530, 1 fig. (distr.); García Morales *et al.*, 2015: 105 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477

Rhopalophora (Rhopalophora) cupricollis; Chevrolat, 1859c: 60.

Rhopalophorus laevicollis LeConte, 1873a: 193.

Rhopalophora laevicollis; Bates, 1880: 62; Lameere, 1883: 42 (cat.); Leng, 1886: 30, 31; Casey, 1891: 30; Townsend, 1903: 77 (distr.); Fall & Cockerell, 1907: 191 (distr.); Schaeffer, 1908: 327 (distr.); Linsley & Martin, 1933: 181 (distr.); Linsley, 1935a: 91; Vogt, 1949: 144 (biol.); Linsley, 1964: 190; Manley & French, 1976: 50; Chemsak, Linsley & Mankins, 1980: 32 (distr.); Hovore, Penrose & Neck, 1987: 308 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 75 (cat.); Linsley & Chemsak, 1997: 429 (hosts).

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

4. *Rhopalophora longipes* (Say, 1824)

Type locality - Holotype: United States, Missouri: Fort Kennedy, on Berek Creek. (Depository inknown). **Distribution** - Eastern North America to Kansas and Oklahoma.

Host plants - *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Cornus drummondii* C.A. Meyer (Cornaceae), *Robinia pseudoacacia* Linnaeus (Fabaceae), *Quercus* sp. (Fagaceae), *Ulmus rubra* Mühlenberg (Ulmaceae).

Stenocorus longipes Say, 1824: 426; Haldeman, 1847a: 32; Melsheimer, 1853: 101; LeConte, 1859c: 201.

Tinopus longipes; LeConte, 1850b: 20; Thomson, 1864: 213.

Rhopalophora longipes; Chevrolat, 1859: 61; Lacordaire, 1869: 111; Popenoe, 1877: 33 (distr.); Snow, 1878b: 76 (distr.); 1881: 70 (distr.); 1883: 42 (distr.); Leng, 1886: 30, pl. 2, fig. 28; Hamilton, 1892b: 159 (syn.); Chittenden, 1893: 248 (paras.); 1894: 97 (biol.); Hamilton, 1895: 338 (distr.); Smith, 1900: 289 (distr.); Ulke, 1903: 26 (distr.); Schaeffer, 1908: 330 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 327; Blatchley, 1910: 1029; Fisher & Kirk, 1912: 311 (distr.); Dozier, 1918: 334 (distr.); Craighead, 1923: 65, pl. 15, figs 1, 12, pl. 21, fig. 1 (larva); Kirk & Knull, 1926: 41 (distr.); Beaulne, 1932: 203 (hosts); Brimley, 1938: 216 (distr.); Linsley, 1942: 59; Knull, 1946: 228, pl. 19, fig. 76; Fattig, 1947: 27 (biol.); Alexander, 1958: 50 (distr.); Linsley, 1964: 191; Lago & Mann, 1987: 5 (biol.); Hovore, 1988: 28 (distr.); Chemsak, Linsley & Noguera, 1992: 85 (cat.); Giesbert & Chemsak, 1993: Monné, M.A., 1994a: 4 (cat.); 35 (distr.); MacRae, 1993: 236 (distr., hosts); Monné, M.A. & Giesbert, 1994: 126 (checklist); Yanega, 1996: 125, pl. 17, fig. 209; Peck & Thomas, 1998: 120 (distr.); Schiefer, 1998: 120 (distr.); Monné, M.A. & Hovore, 2006: 130 (checklist); Lingafelter, 2007: 76, 150, 2 figs, pl. 18, fig. d (hosts); McDowell, 2011: 412 (biol.); Holt, 2013: 249 (distr.); Spomer, 2014: 301, fig. 7 (distr.); Klingeman *et ali.*, 2017: 297 (distr.).

Rhopalophorus longipes; LeConte, 1859c: 48.

Rhopalophora longipes longipes; Linsley, 1964: 191, fig. 60; Gosling, 1973: 83, fig. 61 (biol., distr.); Turnbow & Franklin, 1980: 343 (distr.); Gosling, 1984: 73 (hosts); 1984: 80 (biol.); Hovore, Penrose & Neck, 1987: 308 (distr.); Lingafelter & Horner, 1993: 235 (distr.); Linsley & Chemsak, 1997: 429 (hosts); Staines, 2008: 147 (distr.)

Rhopalophora (Rhopalophora) longipes; Monné, M.A., 1994a: 4 (cat.).

Rhopalophora porosa White, 1855: 206.

Type locality - Holotype: North America. (BMNH).

5. *Rhopalophora meeskei* Casey, 1891

Type locality - Lectotype male: United States, New Mexico: Las Vegas. (USNM).

Distribution - United States (South Dakota and Colorado to western Texas and Arizona), Mexico (Nuevo León, Chihuahua, Chiapas, Coahuila, Durango, Guerrero, Hidalgo, Mexico,

Michoacán, Tlaxcala, Zacatecas), Guatemala, Honduras. **Host plants** - *Pinus cembroides* Zuccarini (Pinaceae).

Rhopalophora meeskei Casey, 1891: 30; Hamilton, 1892b: 159; Fall & Cockerell, 1907: 192 (distr.); Schaeffer, 1908: 330 (distr.); Giesbert & Chemsak, 1993: 36, fig. 5; Monné, M.A. & Giesbert, 1994: 12;6(checklist); Monné, M.A., 1994a: 4 (cat.); Noguera & Chemsak, 1996: 401 (cat.); Heffern, 1998: 18 (distr.); Monné, M.A., 2001b: 51 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 104 (distr.); Turnbow, Cave & Thomas, 2003: 17 (distr.); Monné, M.A., 2005: 533 (cat.); Hovore, 2006: 374 (distr.); Monné, M.A. & Hovore, 2006: 130 (checklist); MacRae & Rice, 2007: 243 (hosts); Lingafelter *et al.*, 2014: 97, figs 107c, d (holotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477

Rhopalophora longipes meeskei; Hamilton in Leng & Hamilton, 1896: 168; Linsley, Knull & Statham, 1961b: 19, fig. 12; Linsley, 1964: 192; Kirk & Balsbaugh, 1975: 99 (distr.); Hovore & Giesbert, 1976: 357 (hosts); Chemsak, Linsley & Noguera, 1992: 75 (cat.).

Rhopalophora longipes; Bates, 1885: 309; Linsley, 1935a: 91 (not Say, 1824).

6. *Rhopalophora prorubra* Knull, 1944

Type locality - Holotype: United States, Arizona: Santa Catalina Mts. (Sabino Canyon). (FMNH). **Distribution** - United States (Southern Arizona), Mexico (Sonora).

Rhopalophora prorubra Knull, 1944: 91, fig. 7; Linsley, 1964: 189, fig. 59; Hovore & Giesbert, 1976: 357 (biol.); Chemsak, 1977a: 178 (type); Chemsak, Linsley & Noguera, 1992: 75 (cat.); Giesbert & Chemsak, 1993: 39; Monné, M.A. & Giesbert, 1994: 126 (checklist); Monné, M.A., 1994a: 4 (cat.); Noguera & Chemsak, 1996: 401 (cat.); Monné, M.A., 2005: 534 (cat.); Monné, M.A. & Hovore, 2006: 130 (checklist); Noguera *et al.*, 2009: 88 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 477

7. *Rhopalophora rugicollis rugicollis* LeConte, 1858

Type locality - Holotype: United States, Texas. (MCZN). **Distribution** - United States (Texas, New Mexico, Arizona), Mexico (Sonora, Sinaloa, Nuevo León, Tamaulipas, Nayarit, Jalisco, San Luis Potosí, Michoacán, Guerrero, Chiapas, Oaxaca), Guatemala. **Host plants** - *Celtis* sp. (Cannabaceae), *Eysenhardtia texana* Scheele (Fabaceae), *Pithecellobium flexicaule* (Benth) Coulter, *P. pallens* (Benth) Standley (Mimosaceae), *Ptelea angustifolia* Benth, *Zanthoxylum clava-herculis* Linnaeus (Rutaceae), *Salix* sp. (Salicaceae).

Rhopalophorus rugicollis LeConte, 1858b: 83; 1858a: 41 (distr.).

Rhopalophora rugicollis; Lacordaire, 1869: 111; Leng, 1886: 30, 31; Casey, 1891: 30; Schaeffer, 1908: 327, 330 (distr.); Linsley & Martin, 1933: 181 (distr.); Linsley, 1964: 190; Tyson, 1970a: 93 (hosts); Turnbow & Wappes, 1978: 369 (hosts); Cope, 1984a: 34 (hosts); Hovore, Penrose & Neck, 1987: 308 (biol.); Chemsak, Linsley & Noguera, 1992: 75 (cat.); Chemsak & Noguera, 1995: 63 (biol., distr.); Linsley & Chemsak, 1997: 429 (hosts); García Morales *et al.*, 2015: 105 (distr.).

Rhopalophora rugicollis rugicollis; Giesbert & Chemsak, 1993: 41; Monné, M.A. & Giesbert, 1994: 126 (checklist); Monné, M.A., 1994a: 4 (cat.); Noguera & Chemsak, 1996: 401 (cat.); Monné, M.A., 2001b: 51 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 104 (distr.); Monné, M.A., 2005: 535 (cat.); Hovore, 2006: 374 (distr.); Monné, M.A. & Hovore, 2006: 130 (checklist); MacRae & Rice, 2007: 244 (hosts); Noguera *et al.*, 2012: 621 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 478

SAPHANINI Gistel, 1848

Saphanidae Gistel, 1848: 1

Saphanides; Lacordaire, 1869: 211

Saphanini; Aurivillius, 1912: 418; Chemsak, Linsley & Noguera, 1992: 26; Monné, M.A., 1993h: 1; Bouchard *et al.*, 2011: 465

Type-genus: *Saphanus* Audinet-Serville, 1834

Type-species: *Callidium spinosum* Fabricius, 1792 (= *Callidium piceum* Laicharting, 1784) (monotypy)
Michthisomini LeConte, 1873: 332; LeConte & Horn, 1883: 317; Leng & Hamilton, 1896: 103; Linsley, 1962: 101; Arnett, 1962: 856

***Michthisoma* LeConte, 1850**

Michthisoma LeConte, 1850: 30; Thomson, 1861: 229; Linsley, 1962: 101; Arnett, 1962: 856; Monné, M.A., 1993h: 1 (C AT.)

Michthisoma; LeConte, 1873: 332; Thomson, 1864: 131; Davis, 1912: 213; Craighead, 1923: 103; Bradley, 1930: 228; Linsley, 1959: 127;

Type-species - *Michthisoma heterodoxum* LeConte, 1850 (monotypy)

1. *Michthisoma heterodoxum* LeConte, 1850

Type locality - Holotype: United States, Georgia, Yona Mountain (MCZN) **Distribution** - Mountains of North Carolina to Georgia

Michthisoma heterodoxum LeConte, 1850: 30; Linsley, 1962: 102; Perry, 1977: 97; Turnbow & Franklin, 1980: 338; Chemsak, Linsley & Noguera, 1992: 26; Monné, M.A., 1993h: 1 (cat.); Monné, M.A. & Giesbert, 1994: 24 (checklist) Yanega, 1996: 45, pl. 17, fig. 20 8; Vlášak, 2014: 318; Klingemann *et al.*, 2017: 295

Michthisoma heterodoxum; Melsheimer, 1853: 103; Thomson, 1864: 131; LeConte, 1873: 332; LeConte & Horn, 1883: Leng, 1896: 103; Beutenmuller, 1903: 519; Leng, 1910: 77; Beutenmuller, 1903: 529; Leng, 1910: 77 (distr.); Mutchler, 1912: 213; Craighead, 1923: 103; figs; Sherman, 1946: 127; Fattig, 1947: 27; Monné, M.A. & Hovore, 2006: 131 (checklist)

SMODICINI Lacordaire, 1868

Smodicides Lacordaire, 1868: 143, 405.

Smodici; LeConte, 1873b: 293; LeConte & Horn, 1883: 279.

Smodicini; Aurivillius, 1912: 12 (cat.); Bradley, 1930: 228; Knull, 1946: 186; Linsley, 1962a: 10; Arnett, 1962: 859, 879; Martins, 1975: 319 (rev.); Monné, M. A., 1993a: 1 (cat.); Martins & Galileo, 2002: 10 (rev.); Monné, M.A., 2005: 537 (cat.); Bousquet *et al.*, 2009: 55; Bouchard *et al.*, 2011: 481.

Type-genus: *Smodicum* Haldeman, 1847.

Type-species: *Callidium cucujiforme* Say, 1827 (monotypy).

***Smodicum* Haldeman, 1847**

Smodicum Haldeman, 1847a: 38; LeConte, 1850b: 24; Thomson, 1861: 189; 1864: 221; Lacordaire, 1869: 145; LeConte, 1873b: 295; LeConte & Horn, 1883: 280; Bates, 1884: 240; Leng, 1884: 96; Blatchley, 1910: 1014; Casey, 1912: 269; Bradley, 1930: 228; Knull, 1946: 187; Linsley, 1962a: 11; Arnett, 1962: 859, 879; Martins, 1975: 332 (rev.); Monné, M. A., 1993a: 1 (cat.); Martins & Galileo, 2002: 20; Monné, M.A., 2005: 537 (cat.); Monné, M.A. & Hovore, 2006: 131 (checklist); Monné, M.A., 2012: 52.

Type-species - *Callidium cucujiforme* Say, 1827 (monotypy).

1. *Smodicum cucujiforme* (Say, 1827)

Type locality - Holotype: United States (Depository unknown). **Distribution** - United States (Atlantic coast to Mississippi Valley and Texas). In Canada is known only from the Carolinian forest in southern Ontario. Introduced in Cuba, Guadeloupe, Argentina and Uruguay. **Host plants** - *Acer saccharinum* Linnaeus (Aceraceae), *Celtis laevigata* Willdenow (Cannabaceae), *Robinia pseudoacacia* Linnaeus (Fabaceae), *Fagus ferruginea* Aiton, *Quercus alba* Linnaeus, *Quercus geminata*, *Q. velutina* Lamarck (Fagaceae), *Carya glabra* (Miller) Sweet, *C. ovata* (Miller) K.Koch (Juglandaceae), *Populus* sp., *Salix* sp. (Salicaceae), *Ulmus rubra* Mühlenber (Ulmaceae).

- Callidium cucuji-forme* Say, 1827: 277; LeConte, 1859c: 334.
Smodicum cucujiforme; Haldeman, 1847a: 38; 1847c: 372 (syn.).
Smodicum cucujiforme; LeConte, 1850b: 24; White, 1855: 327; Bland, 1861: 95 (distr.); Thomson, 1864: 221; Horn, 1868: 124 (distr.); Lacordaire, 1869: 146; LeConte, 1873b: 294; Popenoe, 1877: 33 (distr.); Riley, 1880: 238 (hosts); Packard, 1881: 28, 131 (biol.); LeConte & Horn, 1883: 279; Leng, 1884: 97; Lugger, 1884: 203 (hosts); Leng, 1885b: pl. 1, fig. 3; Horn, 1885b: 5 (syn.); Packard, 1890: 79, 250 (biol.); Townsend, 1893: 202 (distr.); Hamilton, 1895: 337; Beutenmuller, 1896: 74 (hosts); Harrington, 1897: 72 (hosts); Klages, 1898: 175 (hosts); Smith, 1900: 286; Dury, 1902: 158 (distr.); Ulke, 1903: 25 (distr.); Schaeffer, 1908: 327 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 325; Blatchley, 1910: 1016 (distr.); Fisher & Kirk, 1912: 309 (distr.); Robinson, 1918: 33 (hosts); Craighead, 1923: 37; Kirk & Knull, 1926: 21 (distr.); Snyder, 1927: 33 (biol.); Leonard, 1928: 433 (distr.); Ware, 1929: 368 (distr.); Craighead & Middleton, 1930: 14 (hosts); Beaulne, 1932: 197 (hosts); Gaines, 1933: 52; Wolcott & Montgomery, 1933: 154 (biol.); Linsley & Martin, 1933: 179 (distr.); Cooper, 1935: 152 (distr.); Brimley, 1938: 210 (distr.); Loding, 1945: 113 (distr.); Knull, 1946: 187, pl. 8, fig. 30; Fattig, 1947: 6 (biol.); Blair, 1948: 123, pl. D, fig. 3 (hosts); Vogt, 1949: 140 (distr., hosts); Craighead, 1950: 268 (larva); Duffy, 1953: 160, figs 122-124 (larva, pupa); Linsley, 1962a: 11, fig. 5; Knull, 1966: 138; Baker, 1972: 189 (biol.); Gosling, 1973: 69, fig. 12 (distr.); Martins, 1975: 348, figs 48-52 (syn.); Waters & Hyche, 1984: 285 (distr.); Hovore, Penrose & Neck, 1987: 294 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 26 (cat.); Lingafelter & Horner, 1993: 161 (distr.); MacRae, 1993: 227 (distr., hosts); Monné, M.A., 1993a: 2 (cat.); Monné, M.A. & Giesbert, 1994: 25 (checklist) Browne & Peck, 1996: 2158 (distr.); Linsley & Chemsak, 1997: 433 (hosts); Schiefer, 1998: 116 (distr.); Peck & Thomas, 1998: 117 (distr.); Monné, M.A., 2001b: 52 (cat. hosts); Di Iorio, 2004d: 666; Monné, M.A., 2005: 538 (cat.); Monné, M.A. & Hovore, 2006: 131 (checklist); MacRae & Rice, 2007: 244 (hosts); Lingafelter, 2007: 78, 150, 2 figs, pl. 18, fig. k (hosts); Sama, 2008: 221 (syn.); Machado *et al.*, 2012: 190 (hosts); Touroult, 2014: 83, fig. 2 (distr.); Steury & MacRae, 2014: 11 (distr.); Devesa, Fonseca & Barro, 2015: 30, 98, figs 1-6; Peck, 2016: 172 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 40, pl. 2; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 478
Callidium cylindrides Newman, 1838: 394.
Type locality - Holotype: United States (BMNH).
Smodicum argentinum Bruch, 1911: 170, 1 fig.; 1912: 203 (cat.); Zajciw & Ruffinelli, 1962: 21 (distr.); Bachmann & Di Iorio, 2002: 59 (type).
Type locality - Holotype male: Argentina, Buenos Aires: La Plata. (MACN).
Smodicum convergens Casey, 1912: 269; Lingafelter *et al.*, 2014: 45, figs 47u, v (holotype).
Type locality - Holotype female: United States, Texas (USNM).
Nothorhinomorpha deplanata Pic, 1930: 63.
Type locality - Holotype male: Egypte, Le Caire. (NHMB).

2. *Smodicum pacificum* Linsley, 1934

- Type locality** - Holotype male: Mexico, Islas Tres Marias: Isla Magdalena. (CASC).
Distribution - United States (Arizona, California), Mexico (Baja California, Sonora, Sinaloa, Jalisco).
Smodicum pacificum Linsley, 1934c: 107; Martins, 1975: 354, figs 52, 62-65 (syn.); Monné, M.A., 1993a: 3 (cat.); Monné, M.A. & Giesbert, 1994: 25 (checklist) Monné, M.A., 2005: 539 (cat.); Monné, M.A. & Hovore, 2006: 131 (checklist); Swift, 2008a: 4 (distr.); Noguera *et al.*, 2007: 311 (distr.); Noguera *et al.*, 2009: 88 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 479
Smodicum pacificum pacificum; Linsley, 1942: 85; Chemsak, Linsley & Noguera, 1992: 26 (cat.); Noguera & Chemsak, 1996: 396 (cat.).
Smodicum pacificum peninsulare Linsley, 1942: 27; Chemsak, Linsley & Noguera, 1992: 26 (cat.); Noguera & Chemsak, 1996: 396 (cat.).
Type locality - Mexico, Baja California: Miraflores. (CASC).
Smodicum arizonarium Knull, 1966: 136; Chemsak, 1977a: 178 (type).

Type locality - Holotype female: United States, Arizona: Cochise County, Chiricahua Mts (1 mile SW Portal). (FMNH).

3. *Smodicum texanum* Knull, 1966

Type locality - Holotype female: United States, Texas: Bentsen Rio Grande Valley State Park, Hidalgo County. (FMNH). **Distribution** - United States (Texas). **Host plants** - *Leucaena pulverulenta* (Schlechtendal) Benth (Mimosaceae), *Salix* sp. (Salicaceae).

Smodicum texanum Knull, 1966: 137; Martins, 1975: 350, figs 52-54; Chemsak, 1977a: 177 (types); Hovore, Penrose & Neck, 1987: 295 (distr.); Chemsak, Linsley & Noguera, 1992: 26 (cat.); Monné, M.A., 1993a: 3 (cat.); Monné, M.A. & Giesbert, 1994: 25 (checklist) Linsley & Chemsak, 1997: 433 (hosts); Monné, M.A. & Hovore, 2006: 131 (checklist);

STENOPTERINI Gistel, 1848

Stenopteridae Gistel, 1848: [2].

Stenopteri; LeConte, 1873b: 306; LeConte & Horn, 1883: 292.

Stenopterina; Reitter, 1912: 25,28.

Stenopterini; Linsley, 1940b: 377; Arnett, 1962: 860, 885; Linsley, 1963: 162; Hatch, 1971: 100; Monné, M.A., 1993g: 7 (cat.); Bousquet *et al.*, 2009: 56; Bouchard *et al.*, 2011: 482.

Type genus: *Stenopterus* Illiger, 1804.

Type species: *Necydalis rufa* Linnaeus, 1767 by monotypy.

Callimus (Lampropterus) Mulsant, 1862

Lampropterus Mulsant, 1862: 214; Linsley, 1940b: 373; Arnett, 1962: 866, 884; Linsley, 1963: 146; Hatch, 1971: 108; Monné, M.A., 1993g: 17 (cat.); Monné, M.A., 2005: 304 (cat.); Monné, M.A. & Hovore, 2006: 86 (checklist); Monné, M.A., 2012: 32.

Type-species - *Necydalis femoratus* Germar, 1823 (subsequent designation, Linsley, 1940b: 373).

Callimus Mulsant, 1846: 4, app.; Thomson, 1861: 145; Mulsant, 1863: 210; Fairmaire *in* Jacquelin DuVal, 1864: 150, 198; Thomson, 1865: 412; Lacordaire, 1868: 489; Horn, 1883a: 289; LeConte & Horn, 1883: 291; Leng, 1886: 27, 29; Casey, 1912: 310; Bradley, 1930: 237.

Type-species - *Callimus nourdini* Mulsant, 1846 (monotypy).

Callimus (Lampropterus); Danilevsky, 2010: 232.

Pilema LeConte, 1873a: 191; 1873b: 306; Horn, 1875: 150.

Type-species - *Pilema ruficolle* LeConte, 1873 (subsequent designation, Linsley, 1963: 146).

Callimellum Strand, 1928: 2; Heyrovsky, 1955: 173 (*nomem novum pro Callimus*).

1. *Callimus (Lampropterus) cyanipennis* (LeConte, 1873)

Syntypes locality - Syntypes male and female: United States, California. (MCZN).

Distribution - United States (Oregon and California). **Host plants** - *Quercus agrifolia* Née, *Q. chrysolepis* Liebmann, *Q. wislizenii* A. de Candolle (Fagaceae), *Ceanothus* sp. (Rhamnaceae), *Prunus* sp. (Rosaceae).

Pilema cyanipenne LeConte, 1873a: 192 ; Lameere, 1883: 29 (cat.).

Callimus cyanipennis; Leng, 1886: 29, pl. 3, fig. 27; Fall, 1901: 145 (distr.); Garnett, 1918: 206 (distr.); Moore, 1937: 89 (distr.); Rice, MacRae & Merickel, 2017: 669 (distr.).

Callimellum cyanipenne; Linsley, 1938: 106 (syn.).

Lampropterus cyanipennis; Linsley, 1963: 146, fig.46; Tyson, 1966: 204 (hosts); Hatch, 1971: 108, pl. 11, fig. 4; Cope, 1984a: 30 (hosts); Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A., 1993g: 17 (cat.); Monné, M.A. & Giesbert, 1994: 85(checklist) Linsley & Chemsak, 1997: 386 (hosts); Monné, M.A. & Hovore, 2006: 86 (checklist);

Callimus variipes Casey, 1912: 311; Moore, 1937: 89 (distr.); Lingafelter *et al.*, 2014: 342, 366, fig. 169u (lectotype).

Type locality - Lectotype male: United States, California: Calaveras County, Mokelumne Hill. (USNM).

Callimus dehiscens Casey, 1912: 312; Lingafelter *et al.*, 2014: 51, 366, fig. 54e (lectotype).

Type locality - Lectotype male: United States, California: Los Angeles County. (USNM).

2. *Callimus (Lampropterus) ruficollis* (LeConte, 1873)

Syntypes locality - Syntypes male and female: United States, California: Napa. (MCZN).

Distribution - Pacific coast of North America from British Columbia to southern California, Mexico (Baja California Norte). **Host plants** - *Toxicodendron diversilobum* (Torrey & A. Gray) Greene (Anacardiaceae), *Quercus douglasii* Hooker & Arnott, *Q. wislizenii* A. de Candolle (Fagaceae), *Ceanothus thyrsiflorus* Eschscholtz (Rhamnaceae), *Prunus* sp. (Rosaceae).

Pilema ruficollis LeConte, 1873a: 192; Lameere, 1883: 33 (cat.).

Callimus ruficollis; Leng, 1886: 29; Fall, 1901: 145 (distr.); Garnett, 1918: 206 (distr.); Leech, 1955: 40 (biol.); Gimmel *et al.*, 2023: 251 (distr.).

Callimellum ruficollis; Linsley, 1938: 106 (syn.).

Lampropterus ruficollis; Linsley, 1963: 147; Tyson, 1966: 204 (hosts); Hatch, 1971: 108; Gosling, 1973: 75 (distr.); Hovore, 1988: 12 (distr.); Chemsak, Linsley & Noguera, 1992: 55 (cat.); Monné, M.A., 1993g: 18 (cat.); Monné, M.A. & Giesbert, 1994: 85 (checklist) Noguera & Chemsak, 1996: 400 (cat.); Linsley & Chemsak, 1997: 387 (hosts); Monné, M.A., 2001b: 14 (cat. hosts); Monné, M.A., 2005: 304 (cat.); Monné, M.A. & Hovore, 2006: 86 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 49, pl. 5.

Callimus longicollis Casey, 1912: 310; Lingafelter *et al.*, 2014: 91, figs 100g, h (holotype).

Type locality - Holotype male: United States, California: Kaweah. (USNM); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 479

Callimus opacipennis Casey, 1912: 311; Lingafelter *et al.*, 2014: 292, figs 123o, p (lect.).

Type locality - Lectotype : United States, California: San Diego. (USNM).

Callimoxys Kraatz, 1863

Callimoxys Kraatz, 1863: 105; Thomson, 1864: 152, 412; Fairmaire, 1868: 152; Lacordaire, 1868: 489; Kraatz, 1871: 398; LeConte, 1873b: 307; LeConte & Horn, 1883: 292; Leng, 1886: 27, 29; Wickham, 1897a: 86; Blatchley, 1910: 1028; Bradley, 1930: 237; Chagnon, 1938: 261; Linsley, 1940c: 377; Knull, 1946: 203; Chagnon & Robert, 1962: 255; Arnett, 1962: 860, 885; Linsley, 1963: 162; Monné, M.A., 1993g: 7; Monné, M.A. & Hovore, 2006: 131 (checklist); Hammond & Williams, 2011: 262; Bousquet, Laplante, Hammond & Langor, 2017: 49 (key spp.)

Type-species - *Stenopterus gracilis* Brullé, 1832 (monotypy).

1. *Callimoxys fuscipennis* (LeConte, 1861)

Type locality - Holotype: United States, California: San Mateo. (MCZN). **Distribution** - Pacific coast of North America from British Columbia to southern California. **Host plants** - *Toxicodendron diversilobum* (Torrey & A. Gray) Greene (Anacardiaceae), *Lithocarpus densiflora* Rehder, *Quercus agrifolia* Née, *Q. douglasii* Hooker & Arnott, *Q. kelloggii* Newberry (Fagaceae), *Ceanothus crassifolius* Torrey, *C. integerrimus* Hooker & Arnott, *C. thyrsiflorus* Eschscholtz (Rhamnaceae).

Stenopterus fuscipennis LeConte, 1861: 356; Lacordaire, 1868: 486.

Callimoxys fuscipennis; Horn *in* Leng, 1886: 30; Craighead, 1923: 63 (larva); Casey, 1924: 261; Kirk & Knull, 1926: 26 (distr.); Leonard, 1928: 443 (distr.); Ware, 1929: 368 (distr.); Beaulne, 1932: 201 (hosts); Moore, 1937: 89 (distr.); Chagnon, 1938: 261; Chagnon & Robert, 1962: 261; Monné, M.A. & Hovore, 2006: 131 (checklist); Hammond & Williams, 2011: 264, 76, figs.; Bousquet, Laplante, Hammond & Langor, 2017: 49.

Callimoxys sanguinicollis fuscipennis; Linsley, 1963: 163, fig. 52; Hatch, 1971: 110, pl. 11, fig. 7; Cope, 1984a: 28 (hosts); Chemsak, Linsley & Noguera, 1992: 57 (cat.); Monné, M.A., 1993g: 8 (cat.); Monné, M.A. & Giesbert, 1994: 89 (checklist) Linsley & Chemsak, 1997: 353 (hosts); Monné, M.A. & Hovore, 2006: 131 (checklist);

Callimoxys sanguinicornis fucipennis; Tyson, 1966: 203 (hosts, error).

2. *Callimoxys nigrinus* Hammond & Williams, 2011

Type locality - Holotype male: United States, Texas: Washington County, 10 miles NE Brenham. (TAMU). **Distribution** - United States (Texas, Alabama). **Host plants** - *Prunus caroliniana* Aiton (Rosaceae).

Callimoxys nigrinus Hammond & Williams, 2011: 265, 183, figs (error).

Callimoxys nigrinus, Hammond & Williams, 2012: 92 (emendation); Holt, 2013: 250 (distr.).

3. *Callimoxys ocellaris* Hammond & Williams, 2011

Type locality - Holotype male: United States, Iowa: Polk County, West Saylorville Lake. (USNM). **Distribution** - United States (Iowa, Alabama).

Callimoxys ocellaris Hammond & Williams, 2011: 265, 280 figs; Holt, 2013: 250 (distr., biol.);

Lingefelter *et al.*, 2014: 291, fig. 122 s (holotype).

4. *Callimoxys pinorum* Casey, 1924

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

Distribution - United States (North Carolina).

Callimoxys pinorum Casey, 1924: 261; Brimley, 1938: 214; Hammond & Williams, 2011: 265, 273, figs (reinstated); Lingefelter *et al.*, 2014: 300, fig. 133e (holotype).

5. *Callimoxys sanguinicornis* (Olivier, 1795)

Neotype locality - Neotype male: United States, New York: Ulster County, Catskill Mountains. (USNM). **Distribution** - Eastern North America. **Host plants** - *Celtis occidentalis* Linnaeus (Cannabaceae), *Cornus drummondii* C.A. Meyer (Cornaceae), *Fagus grandifolia* Ehrhart, *Quercus* sp. (Fagaceae), *Carya tomentosa* Nuttall, *Juglans nigra* Linnaeus (Juglandaceae), *Ceanothus americanus* Linnaeus (Rhamnaceae), *Prunus caroliniana* Aiton (Rosaceae).

Necydalis sanguinicornis Olivier, 1795: 9, pl. 1, fig. 7; Schoenherr, 1817: 502; Hammond & Williams, 2011: 263, 265, figs 1,2,6A,7A-B, 8A-B, 10B, 11 (neotype).

Stenopterus sanguinicornis; Say, 1835: 194; Haldeman, 1847a: 44; LeConte, 1850b: 20; White, 1855: 185; LeConte, 1859c: 664; Lacordaire, 1868: 486.

Molorchus sanguinicornis; Gemminger & Harold, 1872: 2885 (cat.).

Callimoxys sanguinicornis; Popenoe, 1877: 33 (distr.); Leng, 1885b: 136, pl. 3, fig. 19; Horn in Leng, 1886: 30; Horn, 1886a: 139; Hamilton, 1895: 338 (distr.); Wickham, 1897a: 148; 1897: 156 (distr.); Dury, 1902: 159 (distr.); Ouellet, 1902: 22 (distr.); Ulke, 1903: 26, 50 (distr.); Chagnon, 1905: 35 (distr.); Wickham, 1909a: 28 (distr.); Blatchley, 1910: 1029, fig. 438; Lovell, 1915: 114 (biol.); Chagnon, 1917: 231; Casey, 1924: 261; Knull, 1946: 203, pl. 10, fig. 41; Linsley, 1963: 163; Bouseman, 1977: 180 (biol.); Arnett, 1985: 364, fig. 24.191; Chemsak, Linsley & Noguera, 1992: 57 (cat.); Monné, M.A., 1993a: 7 (cat.); Monné, M.A. & Giesbert, 1994: 89 (checklist) Krinsky & Godwin, 1996: 237; N. Ohbayashi, Niisato & Wang, 2004: 466; Lingefelter, 2007: 40, 145, 2 figs, pl. 10f; Holt, 2013: 250 (distr.); Lingefelter *et al.*, 2014: 314, 363, fig. 149a (neotype); Vlasák, 2014: 318 (hosts); Webster, 2016: 488; Klingeman *et al.* 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 49, pl. 5.

Callimoxys sanguinicornis sanguinicornis; Linsley, 1963: 163; Gosling, 1973: 75, fig. 33 (biol., distr.); Kirk & Balsbaugh, 1975: 98 (distr.); Perry, 1977: 98 (distr.); Laliberté, Chantal & LaRochelle, 1977: 91 (hosts); Rice, 1981: 461 (distr.); Gosling, 1984: 80 (biol.); 1986: 155 (biol.); Morris, 1987: 141 (distr.); MacRae, 1993: 232 (distr., hosts); Lingefelter & Horner, 1993: 173 (distr.); Monné, M.A., 1993g: 7 (cat.); Yanega, 1996: 51, pl. 15, fig. 179; Linsley & Chemsak, 1997: 353 (hosts); Peck & Thomas, 1998: 119 (distr.); Schiefer, 1998: 118 (distr.); Burne, 1998: 70 (distr.); Vlasák & Vlasakova, 2002: 210 (distr., hosts); Monné, M.A. & Hovore, 2006: 131 (checklist); MacRae & Rice, 2007: 231 (distr., hosts); Webster, McCorquodale & Majka, 2009: 297 (distr.); McCorquodale, 2010: 468 (distr.).

TILLOMORPHINI Lacordaire, 1868

Tillomorphides Lacordaire, 1868: 405.

Tillomorphinae Pascoe, 1869: 554, 640; Bates, 1870: 400.

Tillomorphini; Aurivillius, 1912: 418 (cat.); Bradley, 1930: 230, 240, Linsley, 1935a: 87; Gressitt, 1940: 84; Plavilstshikov, 1940: 533; Gressitt, 1942: 32; 1951: 308; Knull, 1946: 225; Gressitt, 1959: 168; Arnett, 1962: 861, 888; Linsley, 1964: 179; Villiers, 1980b: 299; Monné, M.A., 1993i: 66 (cat.); Monné, M.A., 2005: 542 (cat.); Bousquet *et al.*, 2009: 56; Bouchard *et al.*, 2011: 483; Touroult, 2014: 87 (key).

Type-genus: *Tillomorpha* Blanchard, 1851.

Type-species: *Tillomorpha lineoligera* Blanchard, 1851 (monotypy).

Epipedocerini Gahan, 1906: 92 (key), 305.

Type-genus: *Epipedocera* Chevrolat, 1863.

Type-species: *Epipedocera zona* Chevrolat, 1863 subsequent designation, Pascoe, 1869: 640.

Euderces LeConte, 1850

Euderces LeConte, 1850b: 30; Thomson, 1861: 217, 229; 1864: 195; 1865: 428; Lacordaire, 1869: 89; LeConte, 1873b: 320; Provancher, 1877: 579, 604; Bates, 1880: 59; LeConte & Horn, 1883: 305; Leng, 1887: 195; Schaeffer, 1904: 223; Bradley, 1930: 240; Linsley, 1935a: 87; Chagnon, 1938: 256, 265; Knull, 1946: 225; Arnett, 1962: 869, 888; Chagnon & Robert, 1962: 256, 265; Linsley, 1964: 180; Chemsak, 1969b: 312 (key spp); Monné, M.A., 1993i: 71 (cat.); Giesbert & Chemsak, 1997: 212 (rev.); Monné, M.A., 2005: 544 (cat.); Monné, M.A. & Hovore, 2006: 132 (checklist); Monné, M.A., 2012: 52.

Type-species - *Callidium picipes* Fabricius, 1787 (monotypy).

Eplophorus Chevrolat, 1861: 248; Fisher, 1931: 99; Linsley, 1935a: 87; Chemsak, 1969b: 308.

Type-species - *Clytus spinicornis* Chevrolat, 1835 (original designation).

Apelocera Chevrolat, 1862a: 61; Thomson, 1864: 195; 1865: 428.

Apilocera; Chevrolat, 1862b: 535; Bates, 1880: 60 (error).

Type-species - *Apelocera waltlii* Chevrolat, 1862 (subsequent designation, Thomson, 1864: 195).

Cleozona Bates, 1874: 223; Linsley, 1935a: 87; Chemsak, 1969b: 304.

Type-species - *Cleozona pulchra* Bates, 1874 (monotypy).

1. *Euderces bicinctus bicinctus* (Linsley, 1935)

Type locality - Holotype female: Mexico, Sinaloa: Los Mochis. (CASC). **Distribution** - United States (Southern Arizona), Mexico (Sonora, Sinaloa). **Host plants** - *Olneya tesota* A. Gray (Fabaceae), *Quercus* sp. (Fagaceae).

Eplophorus bicinctus Linsley, 1935a: 88; Chemsak, 1969b: 308 (syn.).

Euderces bicinctus; Chemsak & Linsley, 1982a: 45; Chemsak, Linsley & Noguera, 1992: 72; Monné, M.A., 1993i: 67 (cat.); Monné, M.A. & Giesbert, 1994: 120 (checklist) Noguera & Chemsak, 1996: 401 (cat.); Martínez, 2000: 91 (distr.).

Euderces bicinctus bicinctus; Giesbert & Chemsak, 1997: 234, figs 4, 16; Monné, M.A., 2005: 545 (cat.); Monné, M.A. & Hovore, 2006: 133 (checklist); Noguera *et al.*, 2009: 88 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 479

Euderces balli Knull, 1935b: 192; Linsley, 1964: 181; Chemsak, 1977a: 175 (type).

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

2. *Euderces picipes* (Fabricius, 1787)

Type locality - Holotype: not stated. (HMUG). **Distribution** - This species ranges from Quebec to Minnesota, south to east-central Texas and northern Florida. In Canada, it is known from the shores of the St. Lawrence estuary to the north shore of Georgian Bay and

southernmost Ontario. **Host plants** -0 *Acer rubrum* Linnaeus (Aceraceae), *Rhus glabra* Linnaeus (Anacardiaceae), *Betula nigra* Linnaeus, *Ostrya virginiana* (Miller) K. Koch (Betulaceae), *Cercis canadensis* Linnaeus, *Gleditschia triacanthos* Linnaeus (Caesalpiniaceae), *Celtis occidentalis* Linnaeus (Cannabaceae), *Cornus florida* Linnaeus (Cornaceae), *Carpinus caroliniana* Walter (Corylaceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Robinia pseudoacacia* Linnaeus (Fabaceae), *Castanea sativa* Miller, *Fagus ferruginea* Aiton, *Quercus palustris* Du Roi, *Q. prinus* Linnaeus, *Q. stellata* Wangenheim, *Q. velutina* Lamarck (Fagaceae), *Carya alba* Koch, *C. glabra* (Miller) Sweet, *C. illinoensis* (Wangenheim) K. Koch, *C. ovata* (Miller) K. Koch, *Juglans nigra* Linnaeus (Juglandaceae), *Nyssa sylvatica* Marshall (Nyssaceae), *Amelanchier arborea* (Michaux fils) Fernald, *Prunus serotina* Ehrhart, *Pyrus* sp. (Rosaceae), *Salix nigra* Marshall (Salicaceae), *Taxodium distichum* (Linnaeus) Richard (Taxodiaceae), *Ulmus* sp. (Ulmaceae).

Callidium picipes Fabricius, 1787: 157; Olivier, 1790: 269, pl. 4, figs 43a, b; Fabricius, 1794: 338; Olivier, 1795: 57, pl. 4, figs. 43a, b; Zimsen, 1964: 182 (types).

Clytus picipes; Fabricius, 1801: 353; Schoenherr, 1817: 472; Laporte & Gory, 1836: 107, pl. 20, fig. 27; Haldeman, 1847a: 41.

Euderces picipes; LeConte, 1850b: 30; Melsheimer, 1853: 106 (cat.); White, 1855: 289; Thomson, 1861: 229; Bland, 1861: 96 (biol., distr.); Thomson, 1864: 195; Lacordaire, 1869: 89; Pettit, 1871: 106 (distr.); Provancher, 1877: 604; Popenoe, 1877: 33 (distr.); LeConte & Horn, 1883: 306; Harrington, 1884: 47 (biol.); Horn, 1886a: 139; Leng, 1887: 24; Packard, 1890: 354 (biol.); Hamilton, 1893a: 274 (distr.); 1893: 326 (distr.); 1895: 338 (distr.); Chittenden, 1894: 98; Beutenmuller, 1896: 77 (hosts); Wickham, 1897a: 152; Smith, 1900: 290 (distr.); Dury, 1902: 160 (distr.); Ulke, 1903: 26, 50 (distr.); Chagnon, 1905: 35 (distr.); Felt, 1906: 445, fig. 101 (hosts); Wickham 1909a: 28 (distr.); Morris, 1909: 412; Smith, 1910: 239; Leng, 1910: 77 (distr.); Blatchley, 1910: 1041; Banks, 1912: 106; Fisher & Kirk, 1912: 312 (distr.); Lovell, 1915: 114 (biol.); Johnson, 1915: 315 (distr.); Nicolay, 1917: 94 (distr.); Chagnon, 1917: 233 (hosts); Britton, 1920: 270 (distr.); Craighead, 1923: 64, pl. 8, fig. 3; pl. 18, fig. 10; pl. 19, fig. 2 (larva); Kirk & Knull, 1926: 41 (distr.); Leonard, 1928: 448 (distr., hosts); Ware, 1929: 368 (distr.); Knull, 1930b: 102 (hosts); Beaulne, 1932: 202 (hosts); Chagnon, 1938: 265, pl. 18, fig. 4; Brimley, 1938: 216 (distr.); Hoffmann, 1940: 59 (biol.); 1942: 11 (hosts); Loding, 1945: 120 (distr.); Knull, 1946: 226; Fattig, 1947: 27 (distr.); Gibson & Carrillo, 1959: 119 (distr.); Dillon & Dillon, 1961: 205, pl. 59, No. 9; Chagnon & Robert, 1962: 265, pl. 18, fig. 4; Linsley. 1964: 183; Kirk & Balsbaugh, 1975: 99 (distr.); Chemsak & Linsley, 1975: 87; Cote & Allen, 1980: 412 (biol.); Haack, Benjamin & Haack, 1983: 48 (hosts); Chemsak, Linsley & Noguera, 1992: 73 (cat.); Monné, M.A., 1993i: 39 (cat.); Monné, M.A. & Giesbert, 1994: 121 (checklist); Yanega, 1996: 124, pl. 16, fig. 198a; pl. 17, fig. 198b; Krinsky & Godwin, 1996: 238; Giesbert & Chemsak, 1997: 261 (syn., rev.); Schiefer, 1998: 120 (distr.); Vlasák & Vlasakova, 2002: 212 (distr.); Monné, M.A. & Hovore, 2006: 133 (checklist); MacRae & Rice, 2007: 233 (distr., hosts); Lingafelter, 2007: 42, 146, 2 figs, pl. 11, fig. g (hosts); Guarnieri, 2009: 17 (distr.); Holt, 2013: 250 (distr., biol., hosts); Steury & MacRae, 2014: 10 (distr.); Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 74, pl.12

Euderces picipes picipes; Linsley, 1964: 184, fig. 60; Gosling, 1973: 83, fig. 60 (biol., distr.); Laliberté, Chantal & LaRochelle, 1977: 92 (biol.); Frost, 1979: 346 (biol.); Turnbow & Franklin, 1980: 343 (distr.); Gosling, 1984: 80 (biol.); 1984: 71 (hosts); Waters & Hyche, 1984: 287 (distr.); MacRae, 1993: 235 (hosts); Monné, M.A., 1993i: 69 (cat.); Linsley & Chemsak, 1997: 374 (hosts); Staines, 2008: 146 (distr.)

Euderces picipes occidentalis Linsley, 1957f: 38; 1964: 185; Chemsak & Linsley, 1975: 87; Turnbow & Hovore, 1979: 223 (distr., hosts); Turnbow & Franklin, 1980: 343 (distr.); Chemsak, Linsley & Noguera, 1992: 73 (cat.); Monné, M.A., 1993i: 69 (cat.); Lingafelter & Horner, 1993: 177 (distr.); Linsley & Chemsak, 1997: 374 (hosts); Peck & Thomas, 1998: 120 (distr.).

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

3. *Euderces pini* (Olivier, 1795)

Type locality - Holotype: United States, New York. (MNHN). **Distribution** - Southeastern U. S. A. westward to Texas and Kansas. **Host plants** - *Acer negundo* Linnaeus, *A. rubrum* Linnaeus, *A. saccharinum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Rhus glabra* Linnaeus (Anacardiaceae), *Ostrya virginiana* (Miller) K. Koch (Betulaceae), *Cercis canadensis* Linnaeus, *Gleditschia triacanthos* Linnaeus (Caesalpiniaceae), *Celtis laevigata* Willdenow, *C. occidentalis* Linnaeus, *C. reticulata* Torrey, *C. tenuifolia* Nuttall (Cannabaceae), *Celastrus orbiculatus* Thunberg (Celastraceae), *Cornus candidissima* Marshall, *C. florida* Linnaeus (Cornaceae), *Sophora secundiflora* (Ortega) de Candolle (Fabaceae), *Fagus grandifolia* Ehrhart, *Quercus arizonica* Sargent, *Q. palustris* Du Roi, *Q. phellos* Linnaeus, *Q. prinus* Linnaeus, *Q. velutina* Lamarck, *Q. virginiana* Miller (Fagaceae), *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Carya illinoensis* (Wangenheim) K. Koch, *C. ovata* (Miller) K. Koch, *C. sulcata* Nuttall, *Juglans nigra* Linnaeus (Juglandaceae), *Maclura pomifera* (Rafinesque) C. Schneider, *Morus* sp. (Moraceae), *Fraxinus quadrangulata* Michaux, *Ligustrum* sp. (Oleaceae), *Amelanchier arborea* (Michaux fil.) Fernald, *Crataegus viridis* Linnaeus (Rosaceae), *Salix nigra* Marshall (Salicaceae), *Sapindus saponaria* var. *drummondii* (Hooker & Arnott) Benson (Sapindaceae); *Taxodium distichum* (Linnaeus) Richard (Taxodiaceae), *Ulmus alata* Michaux, *U. americana* Linnaeus (Ulmaceae).

Callidium Pini Olivier, 1795: 71, pl. 8, figs 105a, b; Schoenherr, 1817: 459.

Euderces pini; Fitch, 1857: 417; Bland, 1861: 96 (distr., hosts); LeConte, 1873a: 202; Packard, 1881: 159 (biol.); LeConte & Horn, 1883: 306; Hamilton, 1884: 36; Horn, 1886a: 139; Leng, 1887: 24; 1887: 44; Packard, 1880: 700 (biol.); Hamilton, 1891a: 132; Beutenmuller, 1896: 77 (hosts); Wickham, 1897a: 152; Smith, 1900: 290 (distr.); Knaus, 1901: 112 (distr.); Ulke, 1903: 26, 50 (distr.); Smith, 1910: 329 (distr.); Blatchley, 1910: 1041; Kirk & Knull, 1926: 41 (distr.); Leonard, 1928: 448 (distr.); Beaulne, 1932: 203 (hosts); Loding, 1933: 149 (distr.); Brimley, 1938: 216 (distr.); Loding, 1945: 120 (distr.); Knull, 1946: 226, pl. 16, fig. 104; Hinton, 1947: 288, pl. A, fig. 9 (distr.); Fattig, 1947: 27 (distr.); Duffy, 1953: 238; Alexander, 1958: 46 (distr.); Linsley, 1964: 182, fig. 57; Chemsak & Linsley, 1975: 87; Turnbow & Hovore, 1979: 223 (hosts); Turnbow & Franklin, 1980: 343 (distr.); Rice, 1981: 461 (distr.); Waters & Hyche, 1984: 286 (distr.); Rice, Turnbow & Hovore, 1985: 20 (hosts); Palmer, 1987: 190 (biol.); Wheeler & Longino, 1988: 26 (biol.); Chemsak, Linsley & Noguera, 1992: 73 (cat.); Monné, M.A., 1993i: 69 (cat.); Monné, M.A. & Giesbert, 1994: 121 (checklist) MacRae, 1993: 236 (hosts); Lingafelter & Horner, 1993: 177 (distr.); Yanega, 1996: 125, pl. 16, fig. 197; Linsley & Chemsak, 1997: 374 (hosts); Giesbert & Chemsak, 1997: 262, figs 5, 41 (rev.); Peck & Thomas, 1998: 120 (distr.); Schiefer, 1998: 120 (distr.); Landry, 2001: 26 (distr.); Monné, M.A. & Hovore, 2006: 133 (checklist); MacRae & Rice, 2007: 234 (distr., hosts); Lingafelter, 2007: 42, 146, 2 figs, pl. 11, fig. 1 (hosts); McDowell, 2011: 412 (biol.); Holt, 2013: 250 (biol., distr., hosts); Vlasák, 2014: 318 (hosts); Steury & MacRae, 2014: 10 (distr.); Miroshnikov, 2014: 203, 206, 207, figs 15, 40, 46, 49; Klingeman *et al.* 2017: 297 (distr.).

Euderces pini; Fitch, 1858: 713 (error).

Tillomorpha pini; Gemminger & Harold, 1872: 2942 (cat.).

Clytus piniadeus Fabricius, 1801: 353; Schoenherr, 1817: 472; Audinet-Serville, 1834b: 88; Laporte & Gory, 1836: 109, pl. 20, fig. 129; Haldeman, 1847a: 41; Zimsen, 1964: 182 (types).

Tillomorpha piniadeus; Blanchard, 1851: 483; White, 1855: 289; Lacordaire, 1869: 91.

Syntypes locality - Syntypes: United States, Carolina. (ZMUC).

Clytus piniadeus var. *testaceipes* Haldeman, 1847a: 41.

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

4. *Euderces reichei* LeConte, 1873

Syntypes locality - Syntypes: United States, Texas. (MCZN). **Distribution** - United States (Ohio, Indiana, southern Illinois, southeast to Florida and west to Texas), Mexico (Tamaulipas, San Luís Potosí, Veracruz, Hidalgo). **Host plants** - *Acer saccharinum* Linnaeus (Aceraceae), *Gleditschia triacanthos* Linnaeus, *Parkinsonia aculeata* Linnaeus

(Caesalpinaceae), *Celtis laevigata* Willdenow, *C. pallida* Torrey, *C. tenuifolia* Nuttall (Cannabaceae), *Cornus candidissima* Marshall, *C. florida* Linnaeus (Cornaceae), *Diospyros texana* Scheele, *D. virginiana* Linnaeus (Ebenaceae), *Croton incanus* Linnaeus (Euphorbiaceae), *Quercus imbricaria* Michaux, *Q. virginiana* Miller (Fagaceae), *Malvaviscus arboreus* Cav. (Malvaceae), *Pithecellobium ebano* (Berlandier) C.H.Muller, *Prosopis juliflora* (Swartz) de Candolle, *Vachellia farnesiana* (Linnaeus) Wight & Arn., *V. tortuosa* (Linnaeus) Seigler & Ebinger, (Mimosaceae), *Condalia obovata* Hooker (Rhamnaceae), *Crataegus crus-galli* Linnaeus, *C. viridis* Linnaeus (Rosaceae), *Citrus* sp., *Zanthoxylum fagara* (Linnaeus) Sargent (Rutaceae), *Salix* sp. (Salicaceae), *Sapindus saponaria* (Hooker & Arnott) Benson (Sapindaceae), *Ulmus* sp. (Ulmaceae).

Euderces reichei LeConte, 1873a: 202; Leng, 1887: 24, 44; Wickham, 1898b: 41; Blatchley, 1910: 1041; 1920: 68 (distr.); Loding, 1933: 149; 1945: 120 (distr.); Knoll, 1946: 226; Fattig, 1947: 27 (distr.); Linsley, 1964: 181; Hoffmann, 1971: 109; Chemsak, Linsley & Noguera, 1992: 73 (cat.); MacRae, 1993: 236 (biol.); Giesbert & Chemsak, 1997: 270, figs 6, 48 (syn.); Monné, M.A., 2001b: 53 (cat. hosts); Monné, M.A., 2005: 550 (cat.); Monné, M.A. & Hovore, 2006: 133 (checklist); MacRae & Rice, 2007: 235 (hosts); Bouchard, 2014: 521; Steury & MacRae, 2014: 10 (distr.); García Morales *et al.*, 2015: 105 (distr.); Noguera & Gutiérrez, 2016: 658 (distr.); Klingeman *et al.*, 2017: 297 (distr.); Heffern, Vlasák & Alten, 2018: 744 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 479

Euderces reichei reichei; Linsley, 1964: 182; Turnbow & Franklin, 1980: 343 (distr.); Lingafelter & Horner, 1993: 176; Linsley & Chemsak, 1997: 375 (hosts); Lingafelter, 2007: 42, 146, 2 figs, pl. 11, fig. e (hosts).

Euderces exilis Casey, 1893: 591; Hamilton *in* Leng & Hamilton, 1896: 173; Townsend, 1903: 78 (distr.); Schaeffer, 1908: 328 (distr.); Linsley & Martin, 1933: 181 (distr.); Vogt, 1949: 144 (distr., hosts); Lingafelter *et al.*, 2014: 59, figs 62q, r (holotype).

Apelocera exilis; Aurivillius, 1912: 420 (cat.).

Euderces reichei exilis; Linsley, 1964: 182; Chemsak, 1969b: 315, fig. 5; Manley & French, 1976: 49, fig. 2; Ward *et al.*, 1977: 13 (hosts); Chemsak, Linsley & Noguera, 1992: 73 (cat.); Monné, M.A., 1993i: 70 (cat.); Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 1997: 375 (hosts); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.);

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

***Pentanodes* Schaeffer, 1904**

Pentanodes Schaeffer, 1904: 222; Bradley, 1930: 240; Linsley, 1935a: 87; Arnett, 1962: 869, 888; Linsley, 1964: 186; Martins, 1975b: 15; Zayas, 1975: 140; Monné, M.A., 1993i: 73 (cat.); Monné, M.A., 2005: 553 (cat.); Monné, M.A. & Hovore, 2006: 134 (checklist); Monné, M.A., 2012: 53.

Type-species - *Pentanodes dietzii* Schaeffer, 1904 (monotypy).

1. *Pentanodes dietzii* Schaeffer, 1904

Type locality - Holotype male: United States, Texas, Brownsville (US NM) **Distribution** - United States (Texas). **Host plants** - *Ebenopsis ebano* (Berlandier) Barneby & J.W. Grimes, *Prosopis glandulosa* (Torrey) Mimosaceae.

Pentanodes dietzii Schaeffer, 1904: 222; 1908: 328; Linsley, 1964: 186; Downie, 1987: 301; Hovore, Penrose & Neck, 1987: 307 (distr.); Chemsak, Linsley & Noguera, 1992: 83 (cat.); Monné, M.A., 1993i: 73 (cat.); Monné, M.A. & Giesbert, 1994: 121 (checklist) Monné, M.A. & Hovore, 2006: 134 (checklist); Miroshnikov, 2014: 202, figs; Heffern, Vlasák & Alten 2018: 745 (hosts).

***Tetranodus* Linell, 1897**

Tetranodus Linell, 1897: 396; Linsley, 1935a: 87; Arnett, 1962: 869, 888; Linsley, 1964: 185; Chemsak, 1969b: 305 (key spp.); 1977b: 124 (key spp.); Monné, M.A., 1993i: 72 (cat.); Monné, M.A., 2005: 553 (cat.); Monné, M.A. & Hovore, 2006: 134 (checklist); Monné, M.A., 2012: 53.

Tetranodes; Schaeffer, 1904: 223; Bradley, 1930: 240. (error).

Type-species - *Tetranodus niveicollis* Linell, 1897 (original designation).

1. *Tetranodus niveicollis* Linell, 1897

Type locality - Holotype male: United States, Texas: Brownsville. (USNM). **Distribution** - United States (Texas), Mexico (Oaxaca, Veracruz, Tamaulipas, Distrito Federal). **Host plants** - *Acacia farnesiana* (Linnaeus) Willdenow, *Pithecellobium flexicaule* (Benth) Coulter, *Prosopis* sp. (Mimosaceae).

Tetranodus niveicollis Linell, 1897: 396; Townsend, 1903: 78 (distr.); Linsley, 1935a: 91; Vogt, 1949: 144 (distr.); Linsley, 1964: 185; Chemsak, 1969b: 306 (syn.); 1977b: 124; Hovore, Penrose & Neck, 1987: 307 (biol.); Chemsak, Linsley & Noguera, 1992: 73 (cat.); Monné, M.A., 1993i: 72 (cat.); Monné, M.A. & Giesbert, 1994: 121 (checklist) Noguera & Chemsak, 1996: 401 (cat.); Linsley & Chemsak, 1997: 441 (hosts); Monné, M.A., 2001b: 53 (cat. hosts); Monné, M.A., 2005: 553 (cat.); Monné, M.A. & Hovore, 2006: 134 (checklist); Lingafelter *et al.*, 2014: 108, figs 118u, v (holotype); García Morales *et al.*, 2015: 105 (distr.); Heffern, Botero & Santos-Silva, 2020: 340; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 479

Tetranodes niveicollis; Schaeffer, 1904: 223; 1908: 328 (distr.); Linsley & Martin, 1933: 181 (distr.).

Tetranodus mexicanus Linsley, 1935a: 90.

Type locality - Holotype female: Mexico, Distrito Federal: Tejupilco. (CASC).

Tilloclytus Bates, 1885

Tilloclytus Bates, 1885: 303; Bradley, 1930: 240; Linsley, 1935a: 87; Knull, 1946: 227; Arnett, 1962: 868, 887; Linsley, 1964: 174; Zayas, 1975: 141; Monné, M.A., 1993i: 62 (cat.); Monné, M.A., 2005: 20 (cat.); Monné, M.A. & Hovore, 2006: 27 (checklist); Monné, M.A., 2012: 7. **Type-species** - *Clytus (Tillomorpha) balteatus* Chevrolat, 1860 (subsequent designation, Linsley, 1964: 174).

Tillomorpha; Chevrolat, 1860: 503; Lacordaire, 1869: 90; LeConte, 1873b: 320; Bates, 1880: 59; LeConte & Horn, 1883: 305; Leng, 1887: 195; Schaeffer, 1904: 223 (not Blanchard *in* Gay, 1851: 482).

1. *Tilloclytus geminatus* (Haldeman, 1847)

Syntypes locality - United States, Pennsylvania. (MCZN). **Distribution** - Canada (Ontario) ? and northeastern United States. **Host plants** - *Betula nigra* Linnaeus (Betulaceae), *Celtis tenuifolia* Nuttall (Cannabaceae), *Euonymus* sp. (Celastraceae), *Cornus florida* Linnaeus (Cornaceae), *Quercus alba* Linnaeus, *Q. bicolor* Willdenow (Fagaceae), *Hamamelis virginiana* Linnaeus (Hamamelidaceae), *Carya tomentosa* Nuttall (Juglandaceae), *Acacia* sp. (Mimosaceae), *Nyssa sylvatica* Marshall (Nyssaceae), *Pinus contorta* Douglas ex Loudon (Pinaceae), *Crataegus viridis* Linnaeus, *Prunus americana* Marshall (Rosaceae), *Ulmus americana* Linnaeus, *U. crassifolia* Nuttall (Ulmaceae), *Vitis* sp. (Vitaceae).

Clytus geminatus Haldeman, 1847a: 42.

Cyrtophorus geminatus; LeConte, 1851: 104.

Euderces geminatus; Lacordaire, 1869: 89.

Tillomorpha geminata; LeConte, 1873b: 320; 1880: 237 (hosts); Packard, 1881: 75 (biol.); LeConte & Horn, 1883: 305; Luggler, 1884: 204 (hosts); Leng, 1887: 24; Packard, 1890: 294 (biol.); Beutenmuller, 1896: 77 (hosts); Smith, 1900: 290 (distr.); Klages, 1901: 273, 290 (distr.); Ulke, 1903: 26, 50 (distr., hosts); Wenzel, 1906: 267 (distr.); Smith, 1910: 329; Blatchley, 1910: 1040; Nicolay, 1919: 68 (distr.); Britton, 1920: 270 (distr.); Craighead, 1923: 61 (larva).

Tilloclytus geminatus; Kirk & Knull, 1926: 41 (distr.); Leonard, 1928: 448 (distr.); Frost & Dietrich, 1929: 436 (distr.); Knull, 1934b: 210 (hosts); Brimley, 1938: 216 (distr.); Knull, 1946: 227, pl. 17, fig. 66; Fattig, 1947: 27 (biol.); Linsley, 1964: 174, fig. 54; Perry, 1975: 59 (hosts); Turnbow & Franklin, 1980: 343 (distr.); Rice, Turnbow & Hovore, 1985: 20 (distr.); Chemsak, Linsley & Noguera, 1992: 74 (cat.); Monné, M.A., 1993i: 63

(cat.) Monné, M.A. & Giesbert, 1994: 119 (checklist); Yanega, 1996: 124, pl. 17, fig. 200; Krinsky & Godwin, 1996: 238; Linsley & Chemsak, 1997: 444 (hosts); Peck & Thomas, 1998: 120 (distr.); Schiefer, 1998: 120 (distr.); Androw & Keeney, 1999: 3 (distr., hosts); Vlasák & Vlasakova, 2002: 212 (distr., hosts); Monné, M.A. & Hovore, 2006: 28 (checklist); MacRae & Rice, 2007: 244 (distr., hosts); Lingafelter, 2007: 88, 150, 2 figs, pl. 21f (hosts); Maier, 2009: 438 (distr., hosts); Holt, 2013: 246 (distr.); Vlasák, 2014: 319 (hosts); Steury & MacRae, 2014: 11 (distr.); Klingeman *et al.*, 2017: 296 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 73, pl. 12 ; Heffern, Vlasák & Alten, 2018 : 746 (hosts) .

TRACHYDERINI Dupont, 1836

Trachydérides Dupont, 1836: 1; 1838: v; Lacordaire, 1869: 194.

Trachydérites; Blanchard, 1845: 144; Chenu, 1870: 309

Trachyderitae; Thomson, 1861: 206; 1864: 200.

Trachyderinae; Bates, 1870: 430.

Trachyderini; LeConte, 1873b: 311; LeConte & Horn, 1883: 297; Aurivillius, 1912: 476 (cat.); Bradley, 1930: 230; Saalas, 1936: 113; Duffy, 1960: 102 (larva); Linsley, 1962a: 182; Arnett, 1962: 860, 882; Villiers, 1980b: 302; Huedepohl, 1985: 7 (rev.); Fragoso, Monné, M.A., & Seabra, 1987: 199; Monné, M.A., 1994b: 16 (cat.); Monné, M.A., 2005: 570 (cat.); Bousquet *et al.*, 2009: 57; Bouchard *et al.*, 2011: 483.

Type-genus: *Trachyderes* Dalman, 1817.

Type-species: *Cerambyx succinctus* Linnaeus, 1758 designated by Blanchard (1843: pl. 65).

Purpuricenitae Thomson, 1861: 203; 1864: 195.

Purpuricenites; Fairmaire *in* Jacquelin DuVal, 1864: 141.

Purpuricenini; Gahan, 1906: 183; Linsley, 1962a: 90; Arnett, 1962: 860, 881; Hatch, 1971: 100.

Purpuricenina; Reitter, 1912: 25, 34.

Megaderitae Thomson, 1861: 213; 1864: 206.

Mégaderides; Lacordaire, 1869: 215.

Megaderini; LeConte, 1873b: 312; LeConte & Horn, 1883: 297; Linsley, 1962a: 187.

Metopocoilitae Thomson, 1864: 255.

Metopocoelides; Lacordaire, 1869: 244.

Metopocoelinae; Bates, 1870: 435.

Metopocoilini; Aurivillius, 1912: 44 (cat.).

Sternacanthitae Thomson, 1864: 259.

Sternacanthides; Lacordaire, 1869: 154.

Sternacanthinae; Bates, 1870: 435.

Sternacanthini; Aurivillius, 1912: 451 (cat.); Linsley, 1961a: 631 (mimet.).

Tropidosomitae Thomson, 1864: 256.

Tropidosomides; Lacordaire, 1869: 149.

Tropidosomatinae; Bates, 1870: 423.

Tropidosomatini; Aurivillius, 1912: 450 (cat.); Linsley, 1961a: 631 (mimet.).

Poecilopéplides Lacordaire, 1869: 147

Poecilopeplinae; Bates, 1870: 422.

Poecilopeplini; Aurivillius, 1912: 449 (cat.).

Dorcacérides Lacordaire, 1869: 192.

Dorcacerinae; Bates, 1870: 430.

Dorcacerini; Aurivillius, 1912: 476 (cat.).

Sténaspides Lacordaire, 1869: 166.

Stenaspidinae; Pascoe, 1869: 552, 653; Bates, 1870: 429.

Stenaspes; LeConte, 1873b: 313; LeConte & Horn, 1883: 298.

Stenaspini; Aurivillius, 1912: 457 (cat.); Craighead, 1923: 77; Bradley, 1930: 230, 241; Heyrovsky, 1955: 237; Linsley, 1961a: 632 (mimet.).
Tyloses LeConte, 1873b: 315.

ANCYLOCERINA Thomson, 1864

Ancyloceritae Thomson, 1864: 210.

Ancylocérides; Lacordaire, 1869: 135.

Ancylocerinae; Bates, 1870: 418.

Ancylocerini; LeConte, 1873b: 308; LeConte & Horn, 1883: 293; Leng, 1884: 114; Aurivillius, 1912: 445 (cat.); Bradley, 1930: 230; Arnett, 1962: 861, 888; Linsley, 1964: 196; Viana, 1971: 150 (cat.)

Ancylocerina; Fragoso, Monné, M.A., & Seabra, 1987: 200; Monné, M.A., 1994b: 17 (cat.); Monné, M.A., 2005: 571 (cat.); Monné, M.L. & Napp, 2000a: 351 (redescr., key genera); Bousquet *et al.*, 2009: 57; Bouchard *et al.*, 2011: 483.

Type-genus: *Ancylocera* Audinet-Serville, 1834.

Type-species: *Cerambyx cardinalis* Dalman, 1817 (monotypy).

***Ancylocera* Audinet-Serville, 1834**

Ancylocera Audinet-Serville, 1834b: 107; Laporte, 1840: 438; Blanchard, 1845: 152; LeConte, 1850b: 19; Strauch, 1861: 132; Thomson, 1864: 212; 1865: 437; Lacordaire, 1869: 136; Bates, 1870: 418; Chenu, 1870: 317; Bates, 1880: 68; Leng, 1886: 31; Bradley, 1930: 230; Arnett, 1962: 861, 888; Chemsak, 1963c: 104 (key spp.); Linsley, 1964: 196; Monné, M.A., 1994b: 17 (cat.); Monné, M.L. & Napp, 2000a: 355 (*in key*); 2001: 990 (rev.); Monné, M.A., 2005: 572 (cat.); Monné, M.A. & Hovore, 2006: 136 (checklist); Monné, M.A., 2012: 54.

Type-species - *Cerambyx ? cardinalis* Dalman, 1823 (monotypy).

1. *Ancylocera bicolor* (Olivier, 1795)

Type locality - Holotype female: United States, Georgia. (BMNH). **Distribution** - Southeastern United States from North Carolina and Florida to southern Texas, Nicaragua (Matagalpa). **Host plants** - *Quercus* sp. (Fagaceae), *Celtis lindheimeri* Engelm., *C. pallida* Torrey *pallida* Torrey (Cannabaceae), *Carya floridana* Sargent, *C. illinoensis* (Wangenheim) K. Koch (Juglandaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *Leucaena pulverulenta* (Schlechtendal) Benth., *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Ulmus crassifolia* Nuttall (Ulmaceae).

Saperda bicolor Olivier, 1795: 32, pl. 3, fig. 25.

Ancylocera bicolor; Laporte, 1840: 438; Chenu, 1870: 317; Leng, 1885b: 136, pl. 3, fig. 22; Horn, 1886a: 138; Leng, 1886: 31; Casey, 1893: 585; Wickham, 1897a: 148 (distr.); Schaeffer, 1908: 327 (distr.); Blatchley, 1914: 92 (distr.); Casey, 1924: 262; Brimley, 1938: 216; Wray & Brimley, 1943: 130 (distr.); Loding, 1945: 120 (distr.); Fattig, 1947: 28 (biol.); Vogt, 1919: 175 (distr., biol.); Linsley, 1964: 197 (syn.); Perry, 1974: 215 (distr.); Turnbow & Wappes, 1978: 370 (hosts); Turnbow & Hovore, 1979: 221 (biol.); Turnbow & Franklin, 1980: 343 (distr.); Turnbow & Wappes, 1981: 77 (biol.); Hovore, Penrose & Neck, 1987: 308 (distr.); Chemsak, Linsley & Noguera, 1992: 78 (cat.); Monné, M.A., 1994b: 17 (cat.); Monné, M.A. & Giesbert, 1994: 137 (checklist) Yanega, 1996: 125, pl. 19, fig. 227; Browne & Peck, 1996: 2159 (distr.); Linsley & Chemsak, 1997: 340 (hosts); Peck & Thomas, 1998: 120; Schieffer, 1998: 120 (distr.); Monné, M.A. & Hovore, 2006: 136 (checklist); Morris, 2002: 209 (hosts); Holt, 2013: 250; Botero, HefFern & Santos-Silva, 2018:9

Gnoma rugicollis Fabricius, 1801: 317; Illiger, 1805: 114; Schoenherr, 1817: 418; Zimsen, 1964: 174 (type).

Ancylocera ? rugicollis; Audinet-Serville, 1834b: 108.

Ancylocera rugicollis; Drapiez, 1837: 197; Haldeman, 1847a: 44; LeConte, 1850b: 19; Melsheimer, 1853: 106 (cat.); White, 1855: 210; Lacordaire, 1869: 137; LeConte, 1873b: 308; Lacordaire, 1876: 32, pl. 93, fig. 5; LeConte & Horn, 1883: 294.

Type locality - Holotype: United States, Carolina. (MNHN).

Ancylocera lividipennis Haldeman, 1847a: 44; Melsheimer, 1853: 106 (cat.).

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

Ancylocera brevicornis Casey, 1893: 586; Leng & Hamilton, 1896: 169; Hamilton, 1896: 287; Lingafelter *et al.*, 2014: 32, fig. 33g (holotype).

Ancylocera bicolor brevicornis; Casey, 1924: 262.

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

Ancylocera bicolor spissicornis Casey, 1924: 262; Lingafelter *et al.*, 2014: 28, fig. 28q (holotype).

Type locality - Holotype female: United States, Florida: Palm Beach. (USNM).

TRACHYDERINA Dupont, 1836

Trachydérides Dupont, 1836: 1.

Trachyderina; Fragoso, Monné, M.A., & Seabra, 1987: 200; Monné, M.A., 1994b: 22 (cat.); Monné, M.A., 2005: 577 (cat.); Bousquet *et al.*, 2009: 57; Bouchard *et al.*, 2011: 483.

Type-genus: *Trachyderes* Dalman, 1817.

Type-species: *Cerambyx succinctus* Linnaeus, 1758 designated by Blanchard (1843: pl. 65).

Purpuricenitae Thomson, 1861: 135 (key), 189 (key), 203; 1864: 195.

Purpuricenites; Fairmaire *in* Jacquelin DuVal, 1864: 141.

Purpuricenini; Gahan, 1906: 183; Linsley, 1962a: 90; Arnett, 1962: 860, 881; Hatch, 1971: 100.

Purpuricenina; Reitter, 1912: 25, 34.

Type-genus: *Purpuricenus* Dejean, 1821.

Type-species: *Cerambyx kaehleri* Linnaeus, 1758 designated by Blanchard (1843: pl. 66).

Tylositae Thomson, 1861: 135 (key), 190 (key), 205.

Tyloses LeConte, 1873b: 315.

Type-genus: *Tylosis* LeConte, 1850.

Type-species: *Tylosis maculatus* LeConte, 1850 designated by Thomson (1864: 200).

Sphaenothecitae Thomson, 1861: 136 (key), 208 (key), 212.

Type-genus: *Sphaenothecus* Dupont, 1838.

Type-species: *Sphaenothecus tomentosus* Dupont, 1838 designated by Thomson (1864: 205).

Megaderitae Thomson, 1861: 136 (key), 213; 1864: 206.

Mégaderides; Lacordaire, 1869: 215.

Megaderini; LeConte, 1873b: 312; LeConte & Horn, 1883: 297; Linsley, 1962a: 187.

Type-genus: *Megaderus* Dejean, 1821.

Type-species: *Cerambyx stigma* Linnaeus, 1758 (monotypy).

Eriphitae Thomson, 1864: 200.

Type-genus: *Eriphus* Audinet-Serville, 1834.

Type-species: *Callidium bisignatum* Germar, 1823 designated by Thomson (1861: 228).

Pteracanthitae Thomson, 1864: 255.

Type-genus: *Pteracantha* Newman, 1838.

Type-species: *Pteracantha fasciata* Newman, 1838 (monotypy).

Metopocoilitae Thomson, 1864: 255.

Metopocoelides; Lacordaire, 1869: 244.

Metopocoelinae; Bates, 1870: 435.
 Metopocoilini; Aurivillius, 1912: 44 (cat.).
Type-genus: *Metopocoilus* Audinet-Serville, 1832.
Type-species: *Metopocoilus maculicollis* Audinet-Serville, 1832 (monotypy).
 Sternacanthitae Thomson, 1864: 259.
 Sternacanthides; Lacordaire, 1869: 154.
 Sternacanthinae; Bates, 1870: 435.
 Sternacanthini; Aurivillius, 1912: 451 (cat.); Linsley, 1961a: 631 (mimet.).
Type-genus: *Sternacanthus* Audinet-Serville, 1832.
Type-species: *Prionus undatus* Olivier, 1795 (monotypy).
 Tropidosomitae Thomson, 1864: 256.
 Tropidosomides; Lacordaire, 1869: 149.
 Tropidosomatinae; Bates, 1870: 423.
 Tropidosomatini; Aurivillius, 1912: 450 (cat.); Linsley, 1961a: 631 (mimet.).
Type-genus: *Tropidosoma* Perty, 1832.
Type-species: *Prionus spencei* Kirby, 1818 (monotypy).
 Poecilopéplides Lacordaire, 1868: 404 (key); 1869: 147.
 Poecilopéplides Lacordaire, 1869: 147
 Poecilopeplinae; Bates, 1870: 422.
 Poecilopeplini; Aurivillius, 1912: 449 (cat.).
Type-genus: *Poecilopeplus* Dejean, 1835.
Type-species: *Prionus corallifer* Sturm, 1826 (monotypy).
 Dorcacérides Lacordaire, 1868: 404 (key); 1869: 192. (based on *Dorcacerus* Dejean, 1821). **Nomen nudum.** Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Lacordaire, 1868).
 Dorcacerini; Aurivillius, 1912: 476 (cat.).
 Sténaspides Lacordaire, 1868: 404 (key); 1869: 166.
 Stenaspidinae; Pascoe, 1869: 552, 653; Bates, 1870: 429.
 Stenaspes; LeConte, 1873b: 313; LeConte & Horn, 1883: 298.
 Stenaspini; Aurivillius, 1912: 457 (cat.); Craighead, 1923: 77; Bradley, 1930: 230, 241; Heyrovsky, 1955: 237; Linsley, 1961a: 632 (mimet.).
Type-genus: *Stenaspis* Audinet-Serville, 1834.
Type-species: *Stenaspis verticalis* Audinet-Serville, 1834 (monotypy).
 Paristémiides Lacordaire, 1868: 404 (key).
 Paristemiini ; LeConte 1873b: 309).
Type-genus: *Paristemia* Westwood, 1841
Type-species: *Paristemia platyptera* Westwood, 1841 (monotypy).
 Dorcacerinae Bates, 1870: 430.
Type-genus: *Dorcacerus* Dejean, 1821
Type-species: *Callidium barbatum* Fabricius, 1775 by monotypy. Comment. Dorcadocerini used by Aurivillius (1912: 476) is not an available family-group name because it is based on *Dorcadocerus* an incorrect subsequent spelling of *Dorcacerus* Dejean, 1821 introduced by Germar (1823: 501). (Bousquet *et al.*, 2009: 58).

***Aethecerinus* Fall & Cockerell, 1907**

Aethecerinus Fall & Cockerell, 1907: 154; Bradley, 1930: 241; Linsley, 1962a: 123; Arnett, 1962: 864, 881; Monné, M.A., 1994b: 56 (cat.); Monné, M.A., 2005: 578 (cat.); Monné, M.A. & Hovore, 2006: 137 (checklist); Monné, M.A., 2012: 55.
Aethecerus Chevrolat, 1862b: 532 (not Wesmael, 1844); Thomson, 1864: 185; 1865: 424; Lacordaire, 1869: 183; LeConte, 1873b: 314; Bates, 1880: 80; Horn, 1880a: 133; LeConte & Horn, 1883: 299; Leng, 1886: 60, 82.

Type-species - *Arhopalus wilsoni* Horn, 1860 (monotypy).

1. *Aethecerinus hornii* (Lacordaire, 1869)

Type locality - Holotype male: Regionibus Internis America Borealis. (MNHN). **Distribution** - United States (Florida). **Host plants** - *Quercus inopina* Ashe, *Q. myrtifolia* Willd. (Fagaceae), *Carya floridana* Sargent (Juglandaceae); *Persea borbonia* (Linnaeus) Sprengel (Lauraceae). **Host flowers** - *Vaccinium arboreum* Marshall (Ericaceae). *Persea borbonia* (Linnaeus) Sprengel (Lauraceae)

Aethecerinus Hornii Lacordaire, 1869: 184; Horn, 1880a: 133; Leng, 1886: 821

Aethecerinus hornii; Blatchley, 1914: 92 (biol., distr.); Linsley, 1962a: 125; Turnbow & Hovore, 1979: 221 (biol.); Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1994b: 56 (cat.); Monné, M.A. & Giesbert, 1994: 138 (checklist) Linsley & Chemsak, 1997: 340 (hosts); Peck & Thomas, 1998: 117 (distr.); Morris, 2002: 209 (hosts); Monné, M.A. & Hovore, 2006: 137 (checklist); Lingafelter, 2007: 75, 86, 143, 2 figs, pl. 17, fig. 1 (hosts).

2. *Aethecerinus latecinctus* (Horn, 1880)

Syntypes locality - Syntypes male and female: United States, Arizona: Tucson (MCZN).

Distribution - United States (Oklahoma, Texas, Nevada, southern California), Mexico (Baja California). **Host plants** - *Coursetia microphylla* A. Gray, *Dalea fremontii* Torrey ex A. Gray (Fabaceae), *Gossypium thurberi* Todaro (Malvaceae), *Acacia greggii* A. Gray. *Mimosa dysocarpa* Bentham (Mimosaceae).

Aethecerus latecinctus Horn, 1880a: 134; Lameere, 1883: 45 (cat.); Leng, 1886: 82, pl. 2, fig. 13; Townsend, 1895: 47; Griffith, 1900: 586 (distr.); Fall & Cockerell, 1907: 192 (distr.).

Aethecerinus latecinctus; Fall & Cockerell, 1907: 154; Tanner, 1934: 47 (distr.); Linsley, Knull & Statham, 1961b: 23, fig. 16; Linsley, 1962a: 124; Hurd & Linsley, 1975: 109 (biol.); Cope, 1984a: 27 (hosts); MacKay, Zak & Hovore, 1987: 364 (hosts); Hovore, 1988: 28; Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1993b: 56 (cat.); Monné, M.A. & Giesbert, 1994: 138 (checklist) Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 339 (hosts); Monné, M.A., 2001b: 60 (cat. hosts); Monné, M.A., 2005: 579 (cat.); Monné, M.A. & Hovore, 2006: 138 (checklist); Heffern, Vlasák & Alten, 2018: 740 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

3. *Aethecerinus wilsonii* (Horn, 1860)

Syntypes locality - Syntypes: United States, Texas: Comal County. (ANSP). **Distribution** - United States (Eastern Texas). **Host plants** - *Cercis* sp., *Parkinsonia aculeata* Linnaeus (Caesalpinaceae), *Celtis laevigata* Willdenow (Cannabaceae), *Quercus havardii* Rydberg (Fagaceae), *Carya texana* Buckley (Juglandaceae), *Ungnadia speciosa* Endlicher (Sapindaceae).

Aethecerinus Wilsonii Horn, 1860: 570, pl. 8, fig. 4; Chevrolat, 1862b: 533; Thomsin 1864: 186; LeConte, 1866: 349 (distr.); Lacordaire, 1869: 183; 1876: 32, pl. 94, figs 5,5a; Horn, 1880a: 133; Bates, 1880: 80; Leng, 1886: 82; Alexander, 1958: 44 (distr.); Linsley, 1962a: 125; Rice, Turnbow & Hovore, 1985: 21 (distr.); Chemsak, Linsley & Noguera, 1992: 89 (cat.); Lingafelter & Horner, 1993: 168 (distr.); Monné, M.A., 1994b: 56 (cat.); Linsley & Chemsak, 1997: 340 Monné, M.A. & Hovore, 2006: 138 (checklist); (hosts); Heffern, Vlasák & Alten, 2018: 740 (hosts).

Amannus LeConte, 1858

Amannus LeConte, 1858a: 24; Thomson, 1864: 333; 1865: 432; Lacordaire, 1869: 82; LeConte, 1873b: 314; LeConte & Horn, 1883: 299; Leng, Monné, M.A., 1994b: 57 (cat.); 1886: 60; Bradley, 1930: 241; Linsley, 1962a: 125; Arnett, 1962: 864, 881; Hatch, 1971: 104; Monné, M.A., 2005: 579 (cat.); Monné, M.A. & Hovore, 2006: 138 (checklist); Monné, M. A., 2012: 55.

Type-species - *Amannus vittiger* LeConte, 1858 (subsequent designation, Thomson, 1864: 333).

1. *Amannus atriplicis* Linsley, 1957

Type locality - Holotype male: United States, Texas: Presidio. (USNM). **Distribution** - United States (Texas). **Host plants** - *Atriplex canescens* James (Chenopodiaceae).
Amannus atriplicis Linsley, 1957d: 160; 1962: 128; Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1994b: 57 (cat.); Monné, M.A. & Giesbert, 1994: 138 (checklist) Linsley & Chemsak, 1997: 340 (hosts); Monné, M.A. & Hovore, 2006: 138 (checklist); Lingafelter *et al.*, 2014: 21, fig. 21o (holotype).

2. *Amannus pectoralis* LeConte, 1858

Type locality - Holotype: United States, California: Fort Yuma. (MCZN). **Distribution** - United States (Nevada, Arizona, southeastern California), Mexico (Baja California Norte). **Host plants** - *Atriplex canescens* James (Chenopodiaceae).
Amannus pectoralis LeConte, 1858a: 25; Lacordaire, 1869: 82; Leng, 1886: 83; Fall, 1901: 146 (distr.); Garnett, 1918: 208 (distr.); Linsley, 1962a: 127, fig. 40; Bechtel, Hanks & Rust, 1983 : 474 (distr.); Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1993b: 57 (cat.); Monné, M.A. & Giesbert, 1994: 138 (checklist) Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 340 (hosts); Heffern, 1998: 24 (distr., exclusion); Monné, M.A., 2001b: 60 (cat. hosts); Monné, M.A., 2005: 579 (cat.); Monné, M.A. & Hovore, 2006: 138 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

3. *Amannus vittiger* LeConte, 1858

Type locality - Holotype: United States, New Mexico: Llano Estacado. (MCZN). **Distribution** - Western Texas to southern Utah and Arizona. **Host plants** - *Atriplex canescens* James, *A. confertifolia* S. Watson (Chenopodiaceae), *Sphaeralcea* sp. (Malvaceae).
Amannus vittiger LeConte, 1858a: 24; Thomson, 1864: 333; Lacordaire, 1869: 82; Leng, 1886: 83; Fall & Cockerell, 1907: 192 (distr.); Linsley, 1962a: 127 (syn.); Barr & Penrose, 1969: 88 (distr.); Hatch, 1971: 104; Hovore & Giesbert, 1976: 353 (biol.); Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1993b: 57 (cat.); Monné, M.A. & Giesbert, 1994: 138 (checklist); Linsley & Chemsak, 1997: 340 (hosts); Heffern, 1998: 18 (distr., hosts); Monné, M.A. & Hovore, 2006: 138 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.).
Amannus brevis Casey, 1924: 267; Lingafelter *et al.*, 2014: 33, fig. 34c (holotype).

Type locality – Holotype male: United States, Utah: St. George. (USNM).

Batyle Thomson, 1864

Batyle Thomson, 1864: 201; Lacordaire, 1869: 131; LeConte, 1873b: 314; LeConte & Horn, 1883: 299; Leng, 1886: 60, 102; Casey, 1912: 326, 327; Bradley, 1930: 241; Knull, 1946: 230; Linsley, 1962a: 128; Arnett, 1962: 864, 882; Monné, M.A., 1994b: 57 (cat.); Monné, M.A., 2005: 586 (cat.); Monné, M.A. & Hovore, 2006: 139 (checklist); Monné, M. A., 2012: 56; Bousquet, Laplante, Hammond & Langor, 2017: 76 (key spp.)

Type-species - *Callidium ignicolle* Say, 1824 (original designation).

Batyleoma Casey, 1912: 326, 329; Bradley, 1930: 241; Chagnon, 1938: 266; Knull, 1946: 231; Chagnon & Robert, 1962: 256, 266.

Type-species - *Callidium suturale* Say, 1824 (original designation).

1. *Batyle ignicollis ignicollis* (Say, 1824)

Type locality - Holotype: United States, Missouri. (Depository unknown). **Distribution** - Montana and Colorado to Ohio, Missouri and Texas. **Host plants** – *Rhus aromatica* Aitchison (Anacardiaceae), *Nolina texana* S. Watson (Dracaenaceae), *Hypericum spathulatum* R. Keller, *H. sphaerocarpum* Michaux (Hypericaceae), *Pinus flexilis* James (Pinaceae).

Callidium ignicolle Say, 1824: 412; LeConte, 1859c: 193.

Eriphus ignicollis; Haldeman, 1847a: 39; LeConte, 1859c: 48.

Arhopalus ignicollis; LeConte, 1850b: 18.

Callideriphus ignicollis; White, 1855: 294.

Eriphus ? ignicollis; LeConte, 1858a: 40.

Batyle ignicollis; Thomson, 1864: 201 (syn.); Lacordaire, 1869: 131; LeConte, 1876: 520; Popenoe, 1877: 33 (distr.); Snow, 1877: 19 (distr.); Horn, 1878: 42; LeConte, 1879: 505; Snow, 1883: 42 (distr.); Leng, 1886: 102, pl. 3, fig. 15; Horn, 1889: 199 (syn.); Hopkins, 1893: 194 (biol.); Wickham, 1897a: 148; 1899: 7 (distr.); Fall & Cockerell, 1907: 192 (distr.); Wickham, 1909a: 28 (distr.); Casey, 1912: 328; Craighead, 1923: 81 (larva); Tanner, 1928: 277 (distr.); Pack, 1930: 220 (distr.); Brimley, 1938: 216 (distr.); Knull, 1946: 231, pl. 18, fig. 70; Knowlton & Wood, 1950: 12 (distr.); Alexander, 1958: 45 (distr.); Linsley, 1962a: 133; Hatch, 1971: 105; Kirk & Balsbaugh, 1975: 98 (distr.); Rogers, 1977b: 834 (biol.); Chemsak, Linsley & Noguera, 1992: 79 (cat.); Noguera & Chemsak, 1996: 402 (distr.).

Batyle ignicollis ignicollis; Linsley, 1962a: 133, fig. 42; Stein & Tigestad, 1976: 4; Rice, 1981: 460 (biol.); Rice, Turnbow & Hovore, 1985: 21 (hosts); Glaser, 1986: 355 (distr.); MacKay, Zak & Hovore, 1987: 364 (distr.); MacRae, 1993: 237 (distr.); Lingafelter & Horner, 1993: 169; Monné, M.A., 1994b: 57 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Yanega, 1996: 125, pl. 16, fig. 187; Linsley & Chemsak, 1997: 349 (hosts); Heffern, 1998: 18 (distr.); Monné, M.A. & Hovore, 2006: 139 (checklist); MacRae & Rice, 2007: 230 (distr., hosts); Lingafelter, 2007: 83, 144, 2 figs, pl. 19, fig. 1 (hosts); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 76, pl. 13

Callidium sanguinicolle Germar, 1823: 515; 1839: 330.

Type locality - Holotype: America septentrionalis. (MNHU).

Batyle seclusa Casey, 1912: 327; Lingafelter *et al.*, 2014: 316, figs 161 i, j (holotype).

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

Batyle punctipennis Casey, 1912: 328; Lingafelter *et al.*, 2014: 306, figs 140 e, f (holotype).

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

Batyle acomana Casey, 1912: 328; Lingafelter *et al.*, 2014: 9, fig. 8o, p (lectotype).

Type locality - Lectotype: United States, New Mexico: Jemez Springs. (USNM).

1a. *Batyle ignicollis australis* Linsley, 1957

Type locality - Holotype male: United States, Alabama: Mobile (CASC). **Distribution** - United States (Alabama, Georgia, Florida and Mississippi). **Host plants** - *Quercus inopita* Ashe (Fagaceae), *Pinus* sp. (Pinaceae).

Batyle ignicollis australis Linsley, 1957c: 33; 1962: 134; Turnbow & Franklin, 1980: 341 (distr.); Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1994b: 58 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Yanega, 1996: 125; Linsley & Chemsak, 1997: 349 (hosts); Peck & Thomas, 1998: 117 (distr.); Schiefer, 1998: 120 (distr.); Morris, 2002: 210 (hosts); Monné, M.A. & Hovore, 2006: 139 (checklist); Lingafelter, 2007: 83, 144, 2 pls, fig. 19m (hosts); Holt, 2013: 250 (biol., distr.).

1b. *Batyle ignicollis oblonga* Casey, 1912

Type locality - Holotype female: United States, Southwestern Utah. (USNM). **Distribution** - United States (Utah).

Batyle oblonga Casey, 1912: 329; Knowlton & Thatcher, 1936: 280 (distr.).

Batyle ignicollis oblonga; Linsley, 1962a: 134; Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1994b: 58 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Monné, M.A. & Hovore, 2006: 139 (checklist); Lingafelter *et al.*, 2014: 109, fig. 120u (holotype).

2. *Batyle knowltoni* Knull, 1968

Type locality - Holotype male: United States, Utah: Garfield County, 20 miles East of Escelante. (CASC). **Distribution** - United States (Utah).

Batyle knowltoni Knull, 1968: 233, fig. 1; Hovore & Giesbert, 1973: 353 (distr.); Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1994b: 58 (cat.); Monné, M.A. & Hovore, 2006: 139 (checklist);

3. *Batyle rufiventris* Knull, 1928

Type locality - Holotype female: United States, Arizona: Gila County, Sierra Ancha Mountains. (FMNH). **Distribution** - United States (Central Arizona).

Batyle rufiventris Knull, 1928a: 126; Linsley, 1962a: 135; Chemsak, 1977a: 173 (types); Lewis, 1979: 23 (distr.); Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1994b: 58 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Monné, M.A. & Hovore, 2006: 139 (checklist);

4. *Batyle suturalis suturalis* (Say, 1824)

Type locality - Holotype: United States, Mississippi. (Depository unknown). **Distribution** - Eastern North America to Mississippi Valley, New Mexico and Florida this subspecies ranges from southwestern Quebec to southern Manitoba. **Host plants** - *Celtis laevigata* Willdenow, *C. tenuifolia* Nuttall (Cannabaceae), *Castanea dentata* (Marshall) Borkhausen, *Quercus coccinea* Münchhausen (Fagaceae), *Carya* sp. (Juglandaceae), *Crataegus viridis* Linnaeus (Rosaceae), *Salix* sp. (Salicaceae), *Sapindus saponaria* var. *drummondii* (Hooker & Arnott) Benson (Sapindaceae).

Callidium suturale Say, 1824: 411; LeConte, 1859c: 192.

Eriphus suturalis; Haldeman, 1847a: 39; White, 1855: 294; Bland, 1861: 95 (biol., distr.); Horn, 1868: 124 (distr.).

Arhopalus suturalis; LeConte, 1850b: 18.

Batyle suturalis; Thomson, 1864: 202 (syn.); Lacordaire, 1869: 131; Popenoe, 1877: 33 (distr.); Horn, 1878: 41; Leng, 1886: 102; Horn, 1889: 199 (syn.); Hamilton, 1895: 338 (distr.); Townsend, 1895: 47 (distr.); Wickham, 1897a: 148; 1899c: 7 (distr.); Smith, 1900: 289 (distr.); Fall, 1901: 146 (distr.); Dury, 1902: 160 (distr.); Knaus, 1903: 180; Ulke, 1903: 26, 50 (distr.); Skinner, 1903: 40 (distr.); Knaus, 1905: 351 (distr.); Felt, 1906: 663, fig. 192 (distr.); Fall & Cockerell, 1907: 192 (distr.); Gahan, 1908: 143 (syn.); Wickham, 1909a: 28 (distr.); Smith, 1910: 289 (distr.); Blatchley, 1910: 1031; Leng, 1911: 215 (distr.); Fisher & Kirk, 1912: 311 (distr.); Chagnon, 1917: 231 (distr.); Garnett, 1918: 208 (distr.); Nicolay, 1919: 66 (distr.); Britton, 1920: 270 (distr.); Craighead, 1923: 80 (larva); Champlain, Kirk & Knull, 1925: 140 (hosts); Beaulne, 1932: 203 (hosts); Saalas, 1936: 111 (morphol.); Linsley, 1962a: 129; Hovore & Giesbert, 1976: 353 (distr.); Rogers, 1977b: 834 (biol.); Chemsak, Linsley & Noguera, 1992: 79 (cat.); Lingafelter, 2007: 89, 144, 2 figs, pl. 21, fig. j (hosts); Staines, 2008: 146 (distr.); McDowell, 2011: 412 (biol.).

Batyle suturalis suturalis; Linsley, 1962a: 129, fig. 41; Gosling, 1973: 72 (biol., distr.); Stein & Tagedstad, 1976: 5 (distr.); Turnbow & Franklin, 1980: 341 (distr.); Gosling, 1984: 79 (biol.); MacRae, 1993: 237 (distr., hosts); Lingafelter & Horner, 1993: 168 (distr.); Monné, M.A., 1994b: 58 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Noguera & Chemsak, 1996: 402 (distr.); Yanega, 1996: 125, pl. 14, fig. 171; Linsley & Chemsak, 1997: 349 (hosts); Peck & Thomas, 1998: 117 (distr.); Schiefer, 1998: 120 (distr.); Vlasák & Vlasakova, 2002: 212 (distr.); Monné, M.A. & Hovore, 2006: 139 (checklist); MacRae & Rice, 2007: 230 (distr., hosts); Holt, 2013: 250 (distr., hosts); Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Lapla & Langor, 2017: 76, pl. 13

Batyleoma suturalis; Casey, 1912: 329; Kirk & Knull, 1926: 41 (distr.); Ortenburger & Hatch, 1926: 147 (distr.); Leonard, 1928: 449 (distr.); Tanner, 1928: 278 (distr.); Ware, 1929: 368 (distr.); Fletcher, 1929: 259 (biol.); Park, 1931: 190 (distr.); Wolcott & Montgomery, 1933: 156 (distr.); Knowlton, 1934: 86 (distr.); Chagnon, 1938: 266 (distr.); Brimley, 1938: 216 (distr.); Loding, 1945: 121 (distr.); Knull, 1946: 231, pl. 18, fig. 71; Knowlton & Wood, 1950: 12; Alexander, 1958: 45 (distr.); Dillon & Dillon, 1961: 606, pl. 60, No. 6; Chagnon & Robert, 1962: 266.

Callidium miniatum Germar, 1823: 515; 1839: 331.

Type locality - Holotype: America septentrionali. (MNHU).

Obrium rubrum Newman, 1838: 393; LeConte, 1850b: 22; Bland, 1861: 96 (distr., hosts); LeConte, 1873b: 305; LeConte & Horn, 1883: 290.

Type locality - Holotype: United States, Ohio: Mount Pleasant. (BMNH).

Batyleoma fontinalis Casey, 1912: 330; Lingafelter *et al.*, 2014: 65, fig. 69q.

Batyle suturalis fontinalis; Casey, 1924: 264.

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

4a. *Batyle suturalis cylindrella* Casey, 1893

Type locality - Holotype male: United States, Texas: El Paso. (USNM). **Distribution** - Southern and western Texas. **Host plants** - *Ratibida columnifera* (Nuttall) Wootton & Standley, *Thelesperma simplicifolium* A. Gray (Asteraceae), *Castanea* sp., *Quercus* sp. (Fagaceae), *Carya* sp. (Juglandaceae).

Batyle cylindrella Casey, 1893: 587; Leng & Hamilton, 1896: 169; Casey, 1912: 329; Lingafelter *et al.*, 2014: 49, fig. 52g (holotype).

Batyleoma cylindrella; Alexander, 1958: 45 (distr.).

Batyle suturalis cylindrella; Linsley, 1962a: 131, fig. 41; MacKay, Zak & Hovore, 1987: 364 (distr.); Hovore, Penrose & Neck, 1987: 298 (distr.); Chemsak, Linsley & Noguera, 1992: 79 (cat.); Lingafelter & Horner, 1993: 168 (distr.); Monné, M.A., 1994b: 59 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Monné, M.A. & Hovore, 2006: 139 (checklist); MacRae & Rice, 2007: 230 (distr., hosts).

Eriphus ? ruber LeConte, 1858b: 82; 1858a: 40 (not *Obrium rubrum* Newman, 1838).

4b. *Batyle suturalis infuscatus* Linsley, 1957

Type locality - Holotype male: United States, Colorado: Delta County, Paconia. (CASC).

Distribution - United States (Colorado).

Batyle suturalis infuscatus Linsley, 1957c: 33; 1962a: 133, fig. 41; Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1994b: 59 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Heffern, 1998: 18; Monné, M.A. & Hovore, 2006: 139 (checklist);

4c. *Batyle suturalis melanicollis* Linsley, 1957

Type locality - Holotype male: United States, Texas: Hudspeth Co., 8 mi E Hueco. (AMNH).

Distribution - United States (Texas), Mexico (Chihuahua).

Batyle suturalis melanicollis Linsley, 1957c: 34; 1962a: 132, fig. 41; Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1994b: 59 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Noguera & Chemsak, 1996: 402 (cat.); Monné, M.A., 2005: 586 (cat.); Monné, M.A. & Hovore, 2006: 139 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

4d. *Batyle suturalis pearsalli* (Bland, 1862)

Type locality - Lectotype: United States, Nebraska: Upper Missouri River near Fort Benton. (ANSP). **Distribution** - From south-central Manitoba to southwestern Alberta, north to the North Saskatchewan River, south to southern Colorado.

Eriphus Pearsalli Bland, 1862: 272.

Batyle Pearsalli; Popenoe, 1877: 33 (distr.); Snow, 1877: 19 (distr.); 1878: 67 (distr.); 1878: 76 (distr.); 1883: 42 (distr.).

Batyle suturalis; Horn, 1880b: s/p (syn.).

Batyle suturalis var. *pearsalli*; Knaus, 1905: 219 (distr.).

Batyleoma pearsalli; Casey, 1912: 329.

Batyle suturalis pearsalli; Linsley, 1962a: 132, fig. 41; Kirk & Balsbaugh, 1975: 98 (distr.); Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1994b: 59 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Heffern, 1998: 18 (distr.); Monné, M.A. & Hovore, 2006: 139 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 76, pl.13

4e. *Batyle suturalis remota* (Casey, 1924)

Type locality - Holotype: United States, Utah: St. George, Washington Field. (USNM).

Distribution - Southwestern Utah to Charleston Mts., Nevada.

Batyleoma remota Casey, 1924: 264.

Batyle suturalis remota; Linsley, 1962a: 132, fig. 41; Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1994b: 60 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Monné, M.A. & Hovore, 2006: 139 (checklist); Lingafelter *et al.*, 2014: 309, fig. 143e (holotype).

4f. *Batyle suturalis rutilans* (LeConte, 1850)

Type locality - Holotype: United States, New Mexico: Santa Fé. (MCZN). **Distribution** - Northern New Mexico.

Arhopalus rutilans LeConte, 1850b: 18

Eriphus rutilans; Melsheimer, 1853: 104 (cat.).

Batyle rutilans; Lacordaire, 1869: 131

Callideriphus rutilans; Gemminger & Harold, 1872: 2957 (cat.).

Batyleoma rutilans; Casey, 1912: 329

Batyle suturalis ab. *rutilans*; Aurivillius, 1912: 475 (cat.).

Batyle suturalis rutilans; Linsley, 1962a: 131, fig. 41; Hovore & Giesbert, 1976: 354 ; Chemsak, Linsley & Noguera, 1992: 79 (cat.); Monné, M.A., 1994b: 60 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Monné, M.A. & Hovore, 2006: 139 (checklist);

***Chemsakiella* Monné 2006**

Chemsakiella Monné, 2006: 179 ; (*Nomen nov pro Linsleyella* Chemsak, 1984); Eya, 2019: 8

1. *Chemsakiella ricei* Chemsak, 1984

Type locality - Holotype male: United States, Texas, Crosby Co., White River Lake (CACS).

Distribution - United States (Texas). **Host plants** - *Dalea formosa* Torrey (Fabaceae)
Linsleyella ricei Chemsak, 1984 : 115, fig. 1; Chemsak, Linsley & Noguera, 1992 : 83 (cat.); Monné, M.A., 1994b: 59 (cat.); Monné, M.A. & Giesbert, 1994: 146 (checklist)
Chemsakiella ricei; Monné, M.A. & Hovore, 2006: 145 (checklist) ; MacRae & Rice, 2007: 231 (hosts)

***Crioprosopus* Audinet-Serville, 1834**

Crioprosopus Audinet-Serville, 1834b: 53; Dupont, 1838: xii, 53, pl. 224, fig. 15; Strauch, 1861: 127; Thomson, 1864: 208; Lacordaire, 1869: 170; Bates, 1880: 74; 1885: 319; LeConte & Horn, 1883: 299; Leng, 1886: 60; Bradley, 1930: 241; Linsley, 1962a: 101; Arnett, 1962: 863, 881; Monné, M.A., 1994b: 38 (cat.); Monné, M.A., 2005: 592 (cat.); Monné, M.A. & Hovore, 2006: 141 (checklist); Monné, M.A., 2012: 56; Eya 2015: 372 (rev., syn.).

Type-species - *Crioprosopus servillei* Audinet-Serville, 1834 (monotypy).

Callona Waterhouse, 1840: 228; Guérin-Méneville, 1844a: 213; Thomson, 1864: 208; Linsley, 1962a: 100; Arnett, 1962: 863, 881; Monné, M.A., 1994b: 36 (cat.); Monné, M.A., 2005: 586 (cat.); Monné, M.A., 2012: 56.

Type-species - *Callona tricolor* Waterhouse, 1840 (monotypy).

1. *Crioprosopus rimosus* (Buquet, 1840)

Type locality - Holotype female: Colombia, Santa Fé de Bogotá. (MNHN). **Distribution** - United States (Central Texas), northern Mexico (Chihuahua, Tamaulipas). **Host plants** - *Acacia farnesiana* (Linnaeus) Willdenow, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Stenaspis rimosus Buquet, 184: 142; 1841b: pl. 66; White, 1853: 78; LeConte, 1880b: xxiv.

Crioprosopus rimosus; Lacordaire, 1869: 171; Bates, 1880: 74; 1885: 319; Vogt, 1949: 175 (biol.); Eya, 2015: 390, figs 130-133.

Callona rimosus; Linsley, 1962a: 100; Hovore, Penrose & Neck, 1987: 297 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 36 (cat.); Monné, M.A. & Giesbert, 1994: 140 (checklist) Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 354 (hosts); Martínez, 2000: 91 (distr.); Monné, M.A., 2001b: 63 (cat. hosts); Monné, M.A., 2005: 587 (cat.); Monné, M.A. & Hovore, 2006: 140 (checklist); García Morales *et al.*,

2015: 106 (distr.); Eya, 2015: 76; 2021: 31, figs 68,73; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

Stenaspis splendens LeConte, 1854a: 441; 1858a: 40 (distr.); 1859b: 127, pl. 12, fig. 9.

Crioprosopus splendens; Lacordaire, 1869: 171; Leng, 1886: 62, pl. 3, fig. 9.

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

***Crossidius* LeConte, 1851**

Crossidius LeConte, 1851: 102; Thomson, 1864: 200; Lacordaire, 1869: 191; LeConte, 1873a: 196; 1873b: 316; Bates, 1880: 81; LeConte & Horn, 1883: 301; Leng, 1886: 60, 118; Casey, 1891: 31 (key spp.); Hamilton *in* Leng & Hamilton, 1896: 171; Bradley, 1930: 241; Linsley, 1955: 63; Linsley & Chemsak, 1961: 26, 30; Linsley, 1962a: 142; Arnett, 1962: 864, 882; Hatch, 1971: 104; Monné, M.A., 1994b: 41 (cat.); Monné, M.A., 2005: 594 (cat.); Monné, M.A. & Hovore, 2006: 141 (checklist); Monné, M.A., 2012: 56; Bousquet, Laplante, Hammond & Langor, 2017: 77 (key spp.)

Type-species - *Crossidius testaceus* LeConte, 1851 (monotypy).

Oxoplus LeConte, 1862: 41; Thomson, 1864: 200; Lacordaire, 1869: 179; LeConte, 1873b: 315; LeConte & Horn, 1883: 301; Horn, 1885a: 175; Leng, 1886: 60, 102; Casey, 1893: 588; Bradley, 1930: 241.

Type-species - *Oxoplus coralinus* LeConte, 1862 (subsequent designation, Thomson, 1864: 200).

1. *Crossidius ater* LeConte, 1861

Type locality - Holotype: United States, Utah.(MCZN). **Distribution** - United States (Great Basin region from Colorado. Utah and Idaho to northern Arizona, California and Washington).

Host plants - *Artemisia tridentata* Nuttall, *Bigelowia viscidiflora* (Hooker) de Candolle, *Chrysothamnus nauseosus* (Pallas) Britton, *Chrysothamnus nauseosus albicaulis* (Nuttall) H.M. Hall & Clements, *Chrysothamnus nauseosus consimilis* (Greene) H.M. Hall & Clements, *Chrysothamnus nauseosus gnaphalodes* (Greene) H.M. Hall & Clements, *Chrysothamnus nauseosus viridulus* (H.M. Hall) H.M. Hall & Clements, *Chrysothamnus viscidiflorus elegans* (Greene) H.M. Hall & Clements, *Chrysothamnus viscidiflorus lanceolatus* (Nuttall) H.M. Hall & Clements, *Chrysothamnus viscidiflorus pumilus* (Nuttall) H.M. Hall & Clements, *Chrysothamnus viscidiflorus* var. *puberulus* (D.C. Eaton) Jepson, *Haplopappus bloomeri angustatus* (A. Gray) H.M. Hall, *H. suffruticosus* A. Gray (Asteraceae).

Crossidius ater LeConte, 1861: 356; Lacordaire, 1869: 192; LeConte, 1873a: 196; Leng, 1886: 118; Fall, 1901: 146 (distr.); Garnett, 1918: 208 (distr.); Knowlton, 1934: 86 (distr.); Knowlton & Wood, 1950: 12 (distr.); Linsley, 1957h: 82 (biol.); Linsley & Chemsak, 1961: 31; Linsley, 1962a: 144, fig. 45; Barr & Penrose, 1969: 89 (distr.); Hatch, 1971: 105; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 41 (cat.); Monné, M.A. & Giesbert, 1994: 141 (checklist) Linsley & Chemsak, 1997: 357 (hosts); Heffern, 1998: 18 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 77, pl.13;

2. *Crossidius coralinus coralinus* (LeConte, 1862)

Syntypes locality - Syntypes: United States, New Mexico. (MCZN). **Distribution** - United States (New Mexico, Arizona, Colorado, Wyoming, North Dakota, South Dakota, Idaho, Utah, Nevada, California).In Canada, southern Saskatchewan. **Host plants** - *Chrysothamnus nauseosus* (Pallas) Britton, *Haplopappus* sp. (Asteraceae).

Oxoplus coralinus LeConte, 1862: 42

Oxoplus corallinus; Thomson, 1864: 200; Lacordaire, 1869: 180; Horn, 1885a: 175; Leng, 1886: 102, pl. 3, fig. 16; Knowlton, 1934: 86 (distr.); Knowlton & Wood, 1950: 12 (distr.);

Crossidius corallinus; Linsley, 1955: 63; 1957h: 86 (biol.).

Crossidius coralinus; Linsley, 1962a: 148; Kirk & Balsbaugh, 1975: 98 (distr.); Stein & Tagestad, 1976: 8 (distr.); Chemsak, Linsley & Noguera, 1992: 80 (cat.); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 77, pl.13

Crossidius coralinus coralinus; Linsley & Chemsak, 1961: 41, pl. 2, figs 21, 22; Linsley, 1962a: 154, fig. 46; Monné, M.A., 1994b: 42 (cat.); Monné, M.A. & Giesbert, 1994: 141 (checklist); Heffern, 1998: 18 (distr.); Monné, M.A. & Hovore, 2006: 141 (checklist); Rice, MacRae & Merickel, 2017:669

2a. *Crossidius coralinus ascendens* Linsley, 1957

Type locality - Holotype male: United States, California: Los Angeles County, Lancaster. (CASC). **Distribution** - United States (California, Western Mojave Desert). **Host plants** - *Chrysothamnus nauseosus mojavensis* (Greene) (Asteraceae).

Crossidius ruficollis ascendens Linsley, 1957g: 43; 1957h: 84

Crossidius coralinus ascendens; Linsley & Chemsak, 1961: 38, pl. 1, figs 7,8; Linsley, 1962a: 151, fig. 46; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 42 (cat.); Monné, M.A. & Giesbert, 1994: 141 (checklist) Linsley & Chemsak, 1997: 357 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

2b. *Crossidius coralinus caeruleipennis* Linsley, 1957

Type locality - Holotype male: United States, California: Inyo County, 1 and ½ mile south of Lone Pine. (CASC). **Distribution** - United States (California, Owen's Valley). **Host plants** - *Chrysothamnus nauseosus consimilis* (Greene) H.M.Hall & Clements (Asteraceae).

Crossidius ruficollis caeruleipennis Linsley, 1957g: 43; 1957h: 85.

Crossidius coralinus caeruleipennis; Linsley & Chemsak, 1961: 38, pl. 1, figs 9, 10; Linsley, 1962a: 152, fig. 46; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 42 (cat.); Monné, M.A. & Giesbert, 1994: 141 (checklist); Linsley & Chemsak, 1997: 357 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

2c. *Crossidius coralinus coccineus* (Casey, 1893)

Type locality - Lectotype: United States, Utah: St. George. (USNM). **Distribution** - United States (Southwestern Utah). **Host plants** - *Chrysothamnus nauseosus mohavensis* (Greene) H.M. Hall & Clements (Asteraceae).

Oxoplus coccineus Casey, 1893: 588; Leng & Hamilton, 1896: 170; Tanner, 1927: 33; Lingafelter *et al.*, 2014: 42, figs 43q, r (lectotype).

Crossidius coccineus; Linsley, 1955: 63

Crossidius coralinus coccineus; Linsley & Chemsak, 1961: 42, pl. 2, figs 15, 16; Linsley, 1962a: 155, fig. 46; Chemsak, Linsley & Noguera, 1992: 80 (cat.); M.A., 1994b: 42 (cat.); Monné, M.A. & Giesbert, 1994: 141 (checklist); Linsley & Chemsak, 1997: 357 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist); Lingafelter *et al.*, 2014:42, 368

2d. *Crossidius coralinus ferruginosus* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, California: Fresno County, Firebaugh. (CASC).

Distribution - United States (California, Fresno County). **Host plants** - *Haploppapus acradenius* var. *bracteosus* (Greene) McMinn, *H. venetus* (Kunth) S. F. Blake (Asteraceae).

Crossidius coralinus ferruginosus Chemsak & Linsley, 1959: 178; Linsley & Chemsak, 1961: 36, pl. 1, figs 1,2; Linsley, 1962a: 150, fig. 46; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A. & Giesbert, 1994: 141 (checklist); Linsley & Chemsak, 1997: 357 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

Crossidius coralinus ferruginosus; Monné, M.A., 1994b: 42 (cat., error).

2e. *Crossidius coralinus fulgidus* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, Utah: Duchesne County, Miton. (CASC).

Distribution - United States (Utah, Duchesne Co. and Uintah Co.). **Host plants** - *Chrysothamnus nauseosus* (Pallas) Britton, *C. viscidiflorus* (Hooker) Nuttall (Asteraceae).

Crossidius coralinus fulgidus Chemsak & Linsley, 1959: 179; Linsley & Chemsak, 1961: 41, pl. 1, figs 17, 18; Linsley, 1962a: 154, fig. 46; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 42 (cat.); Monné, M.A. & Giesbert, 1994: 141 (checklist); Linsley & Chemsak, 1997: 357 (hosts); Heffern, 1998: 18 (distr.); Monné, M.A. & Hovore, 2006: 141 (checklist);

2f. *Crossidius coralinus jocosus* (Horn, 1885)

Syntypes locality - Syntypes male and female: United States, Colorado. (MCZN).
Distribution - United States (Colorado). **Host plants** - *Xanthocephalus sarothrae* (Pursh) Shinnery (Asteraceae).

Oxoplus jocosus Horn, 1885a: 175; Leng, 1886: 103; Garnett, 1918: 208 (distr.); Knowlton, 1930: 73 (distr.); Davis, 1932: 85 (distr.); Knowlton & Thatcher, 1936: 280 (biol.); Knowlton & Wood, 1950: 12 (distr.).

Crossidius jocosus; Linsley, 1955: 63; 1957h: 86.

Crossidius coralinus jocosus; Linsley & Chemsak, 1961: 40, pl. 2, figs 23, 24; Linsley, 1962a: 153, fig. 46; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 42 (cat.); Monné, M.A. & Giesbert, 1994: 141 (checklist); Heffern, 1998: 18; Monné, M.A. & Hovore, 2006: 141 (checklist);

2g. *Crossidius coralinus monoensis* Linsley & Chemsak, 1961

Type locality - Holotype male: United States, California: Mono County, 11 miles north of Tom's Place. (CASC). **Distribution** - United States (California, Mono Co.). **Host plants** - *Chrysothamnus nauseosus viridulus* (H.M.Hall) H.M.Hall & Clements (Asteraceae).

Crossidius coralinus monoensis Linsley & Chemsak, 1961: 39, pl. 1, figs 11, 12; Linsley, 1962a: 152, fig. 46; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 43 (cat.); Monné, M.A. & Giesbert, 1994: 141 (checklist); Linsley & Chemsak, 1997: 357 (hosts); Monné, M.A. & Hovore, 2006: 142 (checklist);

2h. *Crossidius coralinus obfuscipennis* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, Idaho: Boise City. (USNM). **Distribution** - United States (Idaho).

Crossidius coralinus obfuscipennis Chemsak & Linsley, 1959: 179; Linsley & Chemsak, 1961: 40, pl. 2, figs 19, 20; Linsley, 1962a: 153, fig. 46; Hatch, 1971: 105; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 43 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Monné, M.A. & Hovore, 2006: 141 (checklist); Lingafelter *et al.*, 2014: 46, fig. 48i (holotype).

2i. *Crossidius coralinus parviceps* (Casey, 1924)

Type locality - Lectotype: United States, Utah: Vineyard. (USNM). **Distribution** - United States (North Central Utah).

Oxoplus parviceps Casey, 1924: 264; Lingafelter *et al.*, 2014: 296, figs 128k, l (lectotype).

Crossidius coralinus parviceps; Linsley & Chemsak, 1961: 42; Linsley, 1962a: 155, fig. 46; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 43 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Monné, M.A. & Hovore, 2006: 141 (checklist); Lingafelter *et al.*, 2014 :296, 369

2j. *Crossidius coralinus ruficollis* Linsley, 1943

Type locality - Holotype male: United States, California: Kern County. (CASC). **Distribution** - United States (California, Southern San Joaquin Valley). **Host plants** - *Haplopappus acradenius bracteosus* (Greene) Hall, *H. venetus vernonioides* (Nuttall) Munz (Asteraceae).

Crossidius ruficollis Linsley, 1943: 147; 1955: 65 (biol.).

Crossidius ruficollis ruficollis; Linsley, 1957h: 84 (biol.).

Crossidius coralinus ruficollis; Linsley & Chemsak, 1961: 36, pl. 1, figs 3, 4; Linsley, 1962a: 150, figs 46-48; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 43

(cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 357 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

2k. *Crossidius coralinus tejonicus* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, California: Kern County, Lebec. (CASC).

Distribution - United States (California, Kern Co. and Ventura Co.). **Host plants** - *Chrysothamnus nauseosus mohavensis* (Greene) H.M. Hall & Clements (Asteraceae).

Crossidius coralinus tejonicus Chemsak & Linsley, 1959: 178; Linsley & Chemsak, 1961: 38, pl. 1, figs 5, 6; Linsley, 1962a: 151, fig. 46; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 43 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 357 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

2l. *Crossidius coralinus temprans* Linsley & Chemsak, 1961

Type locality - Holotype male: United States, California: Lassen County, 5 miles W of Standish. (CASC). **Distribution** - United States (Southeastern California, northwestern to west-central Nevada). **Host plants** - *Chrysothamnus nauseosus consimilis* (Greene) H.M.Hall & Clements (Asteraceae).

Crossidius coralinus temprans Linsley & Chemsak, 1961: 39, pl. 2, figs 13-14; Linsley, 1962a: 153, fig. 46; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 43 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 357 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

3. *Crossidius discoideus discoideus* (Say, 1824)

Syntypes locality - Syntypes: United States, Mississippi. (Depository unknown).

Distribution - Mississippi Valley & Great Plains of United States & Canada southern Alberta. **Host plants** - *Chrysopsis* sp., *Gutierrezia* sp., *Haplopappus* sp. (Asteraceae).

Callidium discoideum Say, 1824: 411; LeConte, 1859c: 192.

Eriphus discoidea; Haldeman, 1847a: 39.

Arhopalus discoideum; LeConte, 1850b: 192.

Crossidius discoideus; LeConte, 1873a: 197; 1873b: 316; 1876: 520 (distr.); Popenoe, 1878: 83 (distr.); Snow, 1878a: 67 (distr.); Horn, 1880b: s/p (syn.); Snow, 1883: 42 (distr.); LeConte & Horn, 1883: 301; LeConte, 1884: 23 (distr.); Leng, 1886: 119, pl. 2, fig. 19; Pack, 1930: 220; Knowlton, 1930: 76 (distr.); Linsley, 1957h: 86 (biol.); Linsley & Chemsak, 1961: 33 (rev.); Linsley, 1962a: 146; Lewis, 1979: 23 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 80 (cat.); Rice, MacRae & Merickel, 2017: 669 (distr.).

Crossidius discoideus discoideus; Linsley & Chemsak, 1961: 33 (rev.); Linsley, 1962a: 146; Monné, M.A., 1994b: 43 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Monné, M.A. & Hovore, 2006: 141 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 77

Crossidius pulchrior Bland, 1862: 272, fig. 2; Lacordaire, 1869: 192; Packard, 1872: 495;

Type locality - Lectotype: United States, Nebraska: Upper Missouri River near Fort Benton. (ANSP).

3a. *Crossidius discoideus blandi* Casey, 1893

Type locality - Lectotype: United States, Southwestern Utah. (USNM). **Distribution** - Great Basin and Sonoran Desert from Alberta to central Mexico and northern Baja California and Chihuahua. **Host plants** - *Chrysopsis* sp., *Gutierrezia californica* Torrey & A. Gray, *G. lucida* Greene, *G. microcephala* A. Gray, *Haplopappus gracilis* (Nuttall) Hall, *H. hartwegi* (Gray) Blake, *H. spinulosus australis* (Greene) H.M.Hall, *H. venetus vernonioides* (Nuttall) Munz, *Xanthocephalum* sp. (Asteraceae).

Crossidius blandi Casey, 1893: 589; Hamilton, in Leng & Hamilton, 1896: 170; Knowlton & Thatcher, 1936: 280 (distr.); Lingafelter *et al.*, 2014: 30, figs 31a, b (lect. designation).

Crossidius discoideus blandi; Linsley, 1957h: 86 (hosts); Linsley & Chemsak, 1961: 33; Linsley, 1962a: 147; Barr & Penrose, 1969: 89 (distr., hosts); Hatch, 1971: 105; MacKay, Zak &

Hovore, 1987: 365 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 44 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 358 (hosts); Heffern, 1998: 19 (distr.); Monné, M.A., 2001b: 66 (cat. hosts); Monné, M.A., 2005: 594 (cat.); Monné, M.A. & Hovore, 2006: 141 (checklist); Noguera & Gutiérrez, 2016: 659 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

3b. *Crossidius discoideus sayi* Casey, 1912

Type locality - Lectotype: United States, New Mexico. (USNM). **Distribution** - United States (Central and southern Rocky Mountain Region). **Host plants** - *Artemisia frigida* Willdenow, *Chrysothamnus nauseosus* (Pallas) Britton, *Cirsium undulatum* Sprengel, *Gutierrezia sarothrae* Britton & Rusby, *Heterotheca villosa* (Pursh) Shinnery (Asteraceae).

Crossidius sayi Casey, 1912: 340; Lingafelter *et al.*, 2014: 315, figs 149 g, h (lectotype).

Crossidius discoideus; Casey, 1893: 589.

Crossidius discoideus sayi; Linsley & Chemsak, 1961: 33; Linsley, 1962a: 147; Lavigne, 1976: 755 (biol.); 1980: 39 (hosts); Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 44 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Heffern, 1998: 19 (distr.); Monné, M.A. & Hovore, 2006: 141 (checklist);

Crossidius sayi bilenticulatus Casey, 1912: 340; Lingafelter *et al.*, 2014: 315, figs 149 i, j (holotype).

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

Crossidius submetallicus Casey, 1912: 341; Lingafelter *et al.*, 2014: 328, figs 164u, v (holotype).

Type locality - Holotype male: United States, Colorado: Boulder Co. (USNM).

4. *Crossidius grahami* Morris & Wappes, 2013

Type locality - Holotype male: United States, Georgia: Emanuel County, 1,5 miles South of Coven. (FSCA). **Distribution** - United States, Georgia (restricted to the relict island sand dune systems along the Ohoopie and Little Ohoopie rivers in Emanuel and Tattnall counties of Georgia). **Host plants** - *Chrysoma pauciflosculosa* (Michaux) Greene (Asteraceae).

Crossidius grahami Morris & Wappes, 2013: 3, figs 1,2, 3,5 (hosts).

5. *Crossidius hirtipes hirtipes* LeConte, 1854

Type locality - Holotype: United States, Oregon: Wenass river to Fort Colville. (MCZN).

Distribution - United States (Northeastern Washington to east-central California, Idaho, Nevada, Utah, to Colorado, possibly to New Mexico and Missouri; Upper drainage basins of the Columbia, Snake and Deschutes rivers). **Host plants** - *Chrysothamnus viscidiflorus* (Hooker) Nuttall (Asteraceae).

Crossidius ? hirtipes LeConte, 1854d: 18; 1857: 23, 61.

Crossidius hirtipes; Lacordaire, 1869: 192; LeConte, 1873a: 196; Leng, 1886: 119; Casey, 1891: 31; Leng & Hamilton, 1896: 171; Knowlton & Wood, 1950: 12 (distr.); Linsley, 1957h: 86 (biol.); Linsley & Chemsak, 1961: 53, fig. 5; Linsley, 1962: 166; Furniss & Carolin, 1977: 209 (biol.); Bechtel, Hanks & Rust, 1983: 474 (distr.); Chemsak, Linsley & Noguera, 1992: 81 (cat.); Rice, MacRae & Merickel, 2017: 669 (distr.).

Crossidius hirtipes hirtipes; Linsley & Chemsak, 1961: 54, fig. 5, pl. 3, fig. 2 (rev); Linsley, 1962a: 167, fig. 52; Monné, M.A., 1994b: 44 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 358 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

5a. *Crossidius hirtipes allgewahri* LeConte, 1878

Syntypes locality - Syntypes: United States, Idaho: Atlanta, (MCZN). **Distribution** -

United States (Southern Idaho, northern Utah, southwestern Wyoming). **Host plants** - *Chrysothamnus viscidiflorus lanceolatus* (Nuttall) H.M. Hall & Clements, *Chrysothamnus viscidiflorus pumilus* (Nuttall) H.M. Hall & Clements, *C. viscidiflorus stenophyllus* (A. Gray) H.M. Hall & Clements (Asteraceae).

Crossidius Allgewahri LeConte, 1878b: 461; 1879: 1, pl. 1, fig. 1; Lameere, 1883: 41 (cat.).

Crossidius allgewahri; Leng, 1886: 119; Knowlton, 1934: 86 (distr.); Knowlton & Thatcher, 1936: 80 (distr.); Linsley, 1958: 88 (biol.);

Crossidius hirtipes allgewahri; Linsley & Chemsak, 1961: 61, pl. 3, fig. 15 (rev.); Linsley, 1962a: 174, fig. 52; Hatch, 1971: 106; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 44 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 358 (hosts); Heffern, 1998: 19 (distr.); Monné, M.A. & Hovore, 2006: 141 (checklist); Rice, MacRae & Merickel, 2017: 671, fig. 1 (distr.).

5b. *Crossidius hirtipes bechteli* Linsley & Chemsak, 1961

Type locality - Holotype male: United States, Nevada: Lander County, 2 miles NW of Tenabo. (CASC). **Distribution** - United States (Nevada). **Host plants** - *Bigelowia viscidiflora* (Hooker) de Candolle, *Chrysothamnus nauseosus albicaulis* (Nuttall) H.M. Hall & Clements (Asteraceae).

Crossidius hirtipes bechteli Linsley & Chemsak, 1961: 59, fig. 5, pl. 3, fig. 12; Linsley, 1962a: 173, fig. 52; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 44 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 358 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

5c. *Crossidius hirtipes brunneipennis* Linsley, 1943

Type locality - Holotype male: United States, Nevada: Lincoln County, Ash, 12 miles North of Alamo. (CASC). **Distribution** - United States (Southern half of Nevada). **Host plants** - *Chrysothamnus filifolius* Rydberg, *Chrysothamnus nauseosus leiospermus* (A. Gray) H.M. Hall & Clements, *C. viscidiflorus pumilus* (Nuttall) H.M. Hall & Clements, *C. viscidiflorus* var. *puberulus* (D.C. Eaton) Jepson (Asteraceae).

Crossidius brunneipennis Linsley, 1943: 148.

Crossidius hirtipes brunneipennis; Linsley & Chemsak, 1961: 59, pl. 3, fig. 11; Linsley, 1962a: 173, pl. 52; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 45 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 358 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

5d. *Crossidius hirtipes cerarius* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, Nevada: Elko County, 3 miles South of Currie. (CASC). **Distribution** - United States (Northern half of eastern Nevada). **Host plants** - *Chrysothamnus viscidiflorus pumilus* (Nuttall) H.M. Hall & Clements, *C. viscidiflorus stenophyllus* (A. Gray) H.M. Hall & Clements (Asteraceae).

Crossidius cerarius Chemsak & Linsley, 1959: 177.

Crossidius hirtipes cerarius; Linsley & Chemsak, 1961: 60, fig. 5, pl. 3, fig. 13; Linsley, 1962a: 173, fig. 72; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 45 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 358 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

5e. *Crossidius hirtipes flavescens* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, California: Tulare County, Kennedy Meadow. (CASC). **Distribution** - East side of Sierra Nevada from Sequoia National Forest to Walker Pass, California. **Host plants** - *Chrysothamnus viscidiflorus* (Hooker) Nuttall (Asteraceae).

Crossidius rhodopus flavescens Chemsak & Linsley, 1959: 180

Crossidius hirtipes flavescens; Linsley & Chemsak, 1961: 57, fig. 5, pl. 3, fig. 5; Linsley, 1962a: 170, fig. 52; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 45 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 358 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

5f. *Crossidius hirtipes francesae* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, California: Siskiyou County, Weed. (CASC).
Distribution - United States (California, Siskiyou Co.). **Host plants** - *Bigelowia viscidiflora* (Hooker) de Candolle (Asteraceae).

Crossidius hirtipes francesae Chemsak & Linsley, 1959: 181; Linsley & Chemsak, 1961: 54, fig. 5; Linsley, 1962a: 169, fig. 52; Chemsak, Linsley & Noguera, 1992: 61 (cat.); Monné, M.A., 1994b: 45 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 358 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

5g. *Crossidius hirtipes immaculatus* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, California: Lassen County, Litchfield. (CASC).
Distribution - United States (Eastern Oregon to east-central California across northern Nevada). **Host plants** - *Bigelowia viscidiflora* (Hooker) de Candolle, *Chrysothamnus nauseosus consimilis* (Greene) H.M. Hall & Clements, *C. viscidiflorus latifolius* (D.C. Eaton) H.M. Hall & Clements, *Gutierrezia sarothrae* Britton & Rusby, *Haplopappus cooperi* Hall (Asteraceae).

Crossidius hirtipes immaculatus Chemsak & Linsley, 1959: 182; Linsley & Chemsak, 1961: 56, fig. 5, pl. 3, fig. 3; Linsley, 1962a: 169, fig. 52; Chemsak, Linsley & Noguera, 1992: 61 (cat.); Monné, M.A., 1994b: 45 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 359 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

5h. *Crossidius hirtipes immaculipennis* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, Nevada: Lyon County, 10 miles North of Smith. (CASC). **Distribution** - United States (Nevada, desert area of western Lyon Co.). **Host plants** - *Chrysothamnus viscidiflorus* (Hooker) Nuttall (Asteraceae).

Crossidius hirtipes immaculipennis Chemsak & Linsley, 1959: 180; Linsley & Chemsak, 1961: 57, fig. 5, pl. 3, fig. 6 (rev.); Linsley, 1962a: 171, fig. 52; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 45 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 359 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

5i. *Crossidius hirtipes macswaini* Chemsak & Linsley, 1961

Type locality - Holotype male: United States, Nevada: Douglas County, 19 miles SE of Wellington. (CASC). **Distribution** - United States (Southern Douglas Co., Nevada to southwestern Lyon Co.). **Host plants** - *Chrysothamnus viscidiflorus* (Hooker) Nuttall (Asteraceae).

Crossidius hirtipes macswaini Chemsak & Linsley, 1961: 58, fig. 5, pl. 3, fig. 8; Linsley, 1962a: 171, fig. 52; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 45 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 359 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

5j. *Crossidius hirtipes nigripennis* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, Idaho: Idaho County, Riggins. (CASC).
Distribution - United States (Mountains of Idaho, eastern Washington to northwestern Wyoming). **Host plants** - *Bigelowia viscidiflora* (Hooker) de Candolle, *Chrysothamnus viscidiflorus stenophyllus* (A. Gray) H.M. Hall & Clements (Asteraceae).

Crossidius hirtipes nigripennis Chemsak & Linsley, 1959: 180; Linsley & Chemsak, 1961: 54, fig. 5, pl.1, fig. 3; Linsley, 1962a: 167, fig. 52; Hatch, 1971: 106; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 46 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 359 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

5k. *Crossidius hirtipes nubilus* Linsley, 1957

Type locality - Holotype male: United States, California: Inyo County, Westgaard Pass. (CASC). **Distribution** - United States (California, Inyo County). **Host plants** - *Chrysothamnus viscidiflorus* (Hooker) Nuttall (Asteraceae).

Crossidius rhodopus nubilus Linsley, 1957g: 42; 1957h: 83

Crossidius hirtipes nubilus; Linsley & Chemsak, 1961: 58, pl. 3, fig. 10; Linsley, 1962a: 172, fig. 52 Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 46 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 359; Monné, M.A. & Hovore, 2006: 141 (checklist);

5l. *Crossidius hirtipes rhodopus* Linsley, 1955

Type locality - Holotype male: United States, California: Inyo County, Convict Lake (CASC). **Distribution** - United States (California, Mono Basin).

Crossidius hirtipes rhodopus Linsley, 1955: t64; 1957g: 43; 1957h: 83; Linsley & Chemsak, 1961: 58, pl. 3, fig. 9; Linsley, 1962a: 172; Chemsak, Linsley & Noguera, 1962: 81 (cat.); Monné, M.A., 1994: 46 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 359; Monné, M.A. & Hovore, 2006: 141 (checklist);

5m. *Crossidius hirtipes rubrescens* Linsley & Chemsak, 1961

Type locality - Holotype male: United States, Nevada: Lyon County, 3.5 miles N of Yerington). (CASC), **Distribution** - United States (Nevada, central Lyon Co.).

Crossidius hirtipes rubrescens Linsley & Chemsak, 1961: 58, pl. 3, fig. 7; Chemsak, Linsley & Noguera, 1962: 81 (cat.); Monné, M.A., 1994b: 46 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 359; Monné, M.A. & Hovore, 2006: 141 (checklist);

5n. *Crossidius hirtipes setosus* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, California: Nevada County, Boca Dam, 11 miles E Truckee). **Distribution** - United States (California, Nevada County);

Crossidius hirtipes setosus Chemsak & Linsley, 1959: 181; Linsley & Chemsak, 1961: 57, pl. 3, fig. 4; Linsley, 1962a: 170; Chemsak, Linsley & Noguera, 1962: 81 (cat.). Monné, M.A., 1994b: 46 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 359; Monné, M.A. & Hovore, 2006: 141 (checklist);

5o. *Crossidius hirtipes wickhami* Casey, 1912

Type locality - Holotype male: United States, Utah: Marysvale. (USNM). **Distribution** - United States (Western Utah and eastern Nevada to Arizona). **Host plants** - *Chrysothamnus viscidiflorus stenophyllus* (A. Gray) H.M. Hall & Clements, *C. nauseosus* (Pallas) Britton, *Gutierrezia lucida* Greene (Asteraceae).

Crossidius wickhami Casey, 1912: 337; Knowlton & Thatcher, 1936: 280; 1950: 12; Linsley, 1957h: 83; Lingafelter *et al.*, 2014: 347, figs 185g, h (holotype).

Crossidius wickhami wickhami; Linsley, 1955: 64

Crossidius hirtipes wickhami; Linsley & Chemsak, 1961: 60, pl. 3, fig. 14; Linsley, 1962a: 174, fig. 52; Monné, M.A., 1994b: 46 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Heffern, 1998: 19; Monné, M.A. & Hovore, 2006: 141 (checklist); MacRae & Rice, 2007: 231.

Crossidius truncatellus Casey, 1912: 338; Lingafelter *et al.*, 2014: 336, figs 174 e, f (holotype).

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

Crossidius curticolis Casey, 1924: 265; Lingafelter *et al.*, 2014: 49, figs 51w, x (holotype).

Type locality - Holotype female: United States, Utah: Parowan Canyon. (USNM).

Crossidius parallelus Casey, 1924: 265.

Type locality - United States, Utah, Eureka. (USNM).

6. *Crossidius humeralis humeralis* LeConte, 1858

Syntypes locality - Syntypes: United States: Llano Estacado, Texas and New Mexico. (MCZN). **Distribution** - United States (Southeastern New Mexico and western Texas), northern Mexico (Durango). **Host plants** - *Haplopappus heterophyllus* S.F.Blake, *H. pluriflorus* (Gray) Hall (Asteraceae).

Crossidius humeralis LeConte, 1858a: 25; Lacordaire, 1869: 192; LeConte, 1873a: 197; Horn, 1885a: 176; Leng, 1886: 119; Fall & Cockerell, 1907: 192 (distr.); Linsley & Chemsak, 1961: 48; Linsley, 1962a: 161; Penrose, 1974: 248; Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 360 (hosts).

Crossidius humeralis humeralis; Penrose, 1974: 249, figs 1, 2; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 46 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Monné, M.A., 2001b: 66 (cat. hosts); Monné, M.A., 2005: 594 (cat.); Monné, M.A. & Hovore, 2006: 141 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

6a. *Crossidius humeralis quadrivittatus* Penrose, 1974

Type locality - Holotype male: United States, Texas: San Patricio County, Welder (Wildlife) Refuge. **Distribution** - United States, Texas (along the southern gulf coast of Texas). **Host plants** - *Haplopappus* sp., *Isocoma coronopifolia* (A. Gray) E. Greene. *I. drummondii* (A. Gray) E. Greene (Asteraceae).

Crossidius humeralis quadrivittatus Penrose, 1974: 251, figs 3, 4; Hovore & Giesbert, 1976: 354 (biol.); Hovore, Penrose & Neck, 1987: 298 (distr.); Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 47 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 360 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist); Morris & Wappes, 2013: 4, figs 4a, 4b, 6.

7. *Crossidius hurdi* Chemsak & Linsley, 1959

Type locality - Holotype male: United States, Arizona: Cochise County, Skeleton Canyon, 6 miles SE of Apache. (CASC). **Distribution** - United States (Southeastern Arizona). **Host plants** - *Haplopappus hartwegi* (Gray) Blake, *Xanthocephalum sarothrae* (Pursh) Shinnors (Asteraceae).

Crossidius hurdi Chemsak & Linsley, 1959: 176; Linsley & Chemsak, 1961: 50 (rev.); Linsley, 1962a: 165; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 47 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 360 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

8. *Crossidius militaris* Bates, 1892

Type locality - Lectotype male: Mexico, Durango: Villa Lerdo. (BMNH). **Distribution** - United States (Eastern Texas, New Mexico), Mexico (Durango). **Host plants** - *Gutierrezia lucida* Greene (Asteraceae).

Crossidius militaris Bates, 1892: 177, pl. 7, fig. 14; Linsley & Chemsak, 1961: 35; Linsley, 1962a: 147; Chemsak, 1967b: 75 (lect.); Hovore & Giesbert, 1976: 354 (hosts); Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 47 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 360 (hosts); Monné, M.A., 2001b: 66 (cat. hosts); Monné, M.A., 2005: 594 (cat.); Monné, M.A. & Hovore, 2006: 141 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

Crossidius inflaticollis Linsley, 1957f: 39.

Type locality - Holotype male: United States, Texas: Presidio Co. (Chinati Mts). (CASC).

9. *Crossidius mojavensis mojavensis* Linsley, 1955

Type locality - Holotype male: United States, California: Los Angeles County, Palmdale. (CASC). **Distribution** - United States (California, western edge of Mojave Desert and adjacent areas) **Host plants** - *Chrysothamnus nauseosus gnaphalodes* (Greene) H.M. Hall & Clements, *Chrysothamnus nauseosus mohavensis* (Greene) H.M. Hall & Clements (Asteraceae).

Crossidius mojavensis Linsley, 1955: 63; 1957h: 82 (biol.); 1962: 162; Linsley & Chemsak, 1961: 48 (rev.); Walters, 1978: 356 (distr.); Chemsak, Linsley & Noguera, 1992: 81 (cat.); Noguera & Chemsak, 1996: 402 (distr.).

Crossidius mojavensis mojavensis; Linsley & Chemsak, 1961: 49; Linsley, 1962a: 162; Monné, M.A., 1994b: 47 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 360 (hosts); Monné, M.A. & Hovore, 2006: 141 (checklist);

10. *Crossidius pulchellus* LeConte, 1861

Type locality - Holotype: United States, Bitter Root Valley. (MCZN). **Distribution** - Canada (from southern Saskatchewan and Alberta, north to the Edmonton area) to Mexico (Chihuahua, Nuevo León, Zacatecas), westward to southeastern California and eastward to Missouri. **Host plants** - *Artemisia frigida* Willdenow, *Chrysothamnus nauseosus* (Pallas) Britton, *Grindelia squarrosa* Dunal, *Gutierrezia longifolia* Greene, *G. microcephala* A. Gray, *G. microphylla* Durand & Hilg., *G. sarothrae* Britton & Rusby, *Gymnosperma* sp., *Haplopappus hartwegi* (Gray) Blake, *Xanthocephalum glutinosum* (Sprengel) Shinnery, *X. sarothrae* (Pursh) Shinnery (Asteraceae).

Crossidius pulchellus LeConte, 1861: 356; Lacordaire, 1869: 192; LeConte, 1873a: 186; Popenoe, 1878: 82 (distr.); Snow, 1878a: 67 (distr.); 1883: 42 (distr.); Leng, 1886: 118, 119; Casey, 1891: 31; Wickham, 1893: 190, figs a-j, q-t; Hamilton, *in* Leng & Hamilton, 1896: 171; Fall & Cockerell, 1907: 192 (distr.); Casey, 1912: 338; Craighead, 1923: 81 (larva); Criddle, 1926: 98 (distr.); Knowlton, 1930: 76 (distr.); Beaulne, 1932: 203 (hosts); Knowlton, 1934: 86 (distr.); Knowlton & Thatcher, 1936: 280 (distr.); Knowlton & Wood, 1950: 12 (distr.); Linsley, 1955: 66 (distr.); 1957h: 88 (hosts); Linsley & Chemsak, 1961: 52; Linsley, Knull & Statham, 1961b: 23 (distr.); Linsley, 1962a: 165, fig. 51; Barr & Penrose, 1969: 90 (distr.); Hatch, 1971: 106; Stein & Tigestad, 1976: 9, fig. 3 (biol.); Lavigne, 1980: 39 (hosts); Wangberg, 1982: 237 (hosts); MacKay, Zak & Hovore, 1987: 365 (hosts); Hovore, Penrose & Neck, 1987: 299 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 47 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 360 (hosts); Monné, M.A., 2001b: 66 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.); Monné, M.A., 2005: 595 (cat.); Monné, M.A. & Hovore, 2006: 142 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 78, pl.14 ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

Crossidius palmeri Bates, 1880: 81; 1892: 177 (distr.).

Syntypes locality - Syntypes male and female: Mexico, San Luís Potosí: Alvarez Mountains. (BMNH).

Crossidius nitidicollis Casey, 1891: 33; Wickham, 1893: 191, figs m, n; Hamilton, *in* Leng & Hamilton, 1896: 170, 171; Lingafelter *et al.*, 2014: 107, figs 118m, n (lect. designation).

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

Crossidius pulchellus sinuosus Casey, 1912: 339; Lingafelter *et al.*, 2014: 305, figs 138m, n (holotype).

Type locality - Holotype male: not stated. (USNM).

Crossidius pulchellus retractus Casey, 1912: 339; Lingafelter *et al.*, 2014: 305, figs 138k, l (holotype).

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

Crossidius pulchellus vegasensis Casey, 1912: 339; Lingafelter *et al.*, 2014: 305, figs 138o, p (holotype).

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

Crossidius debilis Casey, 1912: 339; Lingafelter *et al.*, 2014: 50, figs 53k, l (holotype).

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

Crossidius lanaticollis Casey, 1912: 339; Lingafelter *et al.*, 2014: 85, figs 93s, t (holotype).

Type locality - Holotype female: not stated. (USNM).

11. *Crossidius punctatus* LeConte, 1873

Syntypes locality - Syntypes male and female: United States, Oregon. (MCZN). **Distribution** - Canada (south-central British Columbia, north to the Chilcotin Plateau region) to northeastern California, northern Utah and Montana. **Host plants** - *Artemisia tridentata* Nuttall, *Bigelowia viscidiflora* (Hooker) de Candolle, *Chrysothamnus nauseosus* (Pallas) Britton, *C. nauseosus albicaulis* (Nuttall) H.M. Hall & Clements, *C. nauseosus consimilis* (Greene) H.M. Hall & Clements, *C. nauseosus gnaphalodes* (Greene) H.M. Hall & Clements, *C. viscidiflorus* (Hooker) Nuttall, *C. viscidiflorus stenophyllus* (A. Gray) H.M. Hall & Clements, *Haplopappus bloomeri angustatus* (A. Gray) H.M. Hall, *H. suffruticosus* A. Gray (Asteraceae).

Crossidius punctatus LeConte, 1873a: 197; Leng, 1886: 118; Casey, 1891: 31; Leng & Hamilton, 1896: 171; Linsley, 1957h: 82 (biol.); Linsley & Chemsak, 1961: 49; Linsley, 1962a: 163, fig. 51; Hatch, 1971: 105; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 48 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 360 (hosts); Monné, M.A. & Hovore, 2006: 142 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 78, pl. 14

Crossidius crassipes Casey, 1891: 32; Leng & Hamilton, 1896: 170, 171; Lingafelter *et al.*, 2014: 47, figs 49s, r (holotype).

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

Crossidius plagiatus Casey, 1912: 336; Lingafelter *et al.*, 2014: 300, figs 133m,n (holotype).

Type locality - Holotype male: locality unknown. (USNM).

Crossidius hirsuticollis Casey, 1924: 266; Lingafelter *et al.*, 2014: 75, figs 81o, p (holotype).

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

Crossidius vinosus Casey, 1924: 266; Lingafelter *et al.*, 2014: 344, figs 182c, d (holotype).

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

12. *Crossidius suturalis suturalis* LeConte, 1858

Type locality - Holotype female: Sonora, Mexico or New Mexico. (MCZN). **Distribution** - United States (western Texas to eastern Arizona), Mexico (Sonora, Chihuahua, Coahuila).

Host plants - *Chrysothamnus viscidiflorus* (Hooker) Nuttall, *Gutierrezia longifolia* Greene, *G. lucida* Greene, *G. wrightii* A. Gray, *Haplopappus hartwegi* (Gray) Blake, *H. pluriflorus* (Gray) Hall, *Xanthocephalum glutinosum* (Sprengel) Shinnars, *X. sarothrae* (Pursh) Shinnars (Asteraceae).

Crossidius suturalis LeConte, 1858b: 83; Lacordaire, 1869: 192; LeConte, 1873a: 197; Linsley, 1957h: 87 (hosts); Linsley & Chemsak, 1961: 44; Linsley, 1962a: 157; MacKay, Zak & Hovore, 1987: 365 (hosts).

Crossidius suturalis suturalis; Linsley & Chemsak, 1961: 44; Linsley, Knull & Statham, 1961b: 23 (distr.); Linsley, 1962a: 159, fig. 50; Chemsak, Linsley & Noguera, 1992: 81 (cat.); Monné, M.A., 1994b: 48 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 361 (hosts); Monné, M. A., 2001b: 67 (cat. hosts); Monné, M.A., 2005: 595 (cat.); Monné, M.A. & Hovore, 2006: 142 (checklist); Perez & Toledo, 2020: 15; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

Crossidius longipennis Casey, 1891: 31; Wickham, 1893: 191, fig. k; Hamilton, *in* Leng & Hamilton, 1896: 170; Fall & Cockerell, 1907: 192 (distr.); Lingafelter *et al.*, 2014: 92, figs 101e, f (lect. designation).

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

Crossidius aegrotus Bates, 1892: 178.

Syntypes locality - Syntypes: Mexico, Chihuahua. (BMNH).

12a. *Crossidius suturalis intermedius* LeConte, 1873

Syntypes locality - Syntypes male and female: United States, Arizona. (MCZN).

Distribution - United States (Arizona, southern Nevada), Mexico (Sonora). **Host plants** - *Haplopappus acradenius eremophilus* (Greene) Hall, *H. drummondii* (Torrey & A. Gray) Blake, *H. hartwegi* (Gray) Blake, *H. tenuisectus* (Greene) Blake (Asteraceae).

Crossidius intermedius LeConte, 1873a: 196; Ulke, 1875: 813, pl. 61, fig. 1; 1882: 42; Lameere, 1883: 45 (cat.); Snow, 1883: 42 (distr.); Leng, 1886: 118, 119, pl. 3, fig. 20; Casey, 1891: 31; Wickham, 1893: 191, fig. 1; Townsend, 1895: 48 (distr.); Hamilton, *in* Leng & Hamilton, 1896: 171; Griffith, 1900: 569 (distr.); Kunze, 1904: 24 (mimet.); Fall & Cockerell, 1907: 192 (distr.); Knowlton, 1934: 86 (distr.); Saalas, 1936: 111; Linsley, 1955: 65 (distr.); 1957h: 87 (hosts).

Crossidius intermedius intermedius; Linsley, 1957g: 44; 1957h: 87 (hosts).

Crossidius suturalis intermedius; Linsley & Chemsak, 1961: 46; Linsley, 1962a: 159, fig. 50; Chemsak, Linsley & Noguera, 1992: 82 (cat.); Monné, M.A., 1994b: 48 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 360 (hosts); Monné, M.A., 2001b: 67 (cat. hosts); Monné, M.A., 2005: 596 (cat.); Monné, M.A. & Hovore, 2006: 142 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

12b. *Crossidius suturalis melanipennis* Penrose, 1984

Type locality - Holotype male: United States, Texas: Kleberg Co., Riviera Beach. (CASC).

Distribution - Coastal portions of southern Texas to extreme northern Mexico. **Host plants** - *Haplopappus drummondii* (Torrey & A. Gray) Blake (Asteraceae).

Crossidius suturalis melanipennis Penrose, *in* Giesbert & Penrose, 1984: 62, fig. 3; Hovore, Penrose & Neck, 1987: 298 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 82 (cat.); Monné, M.A., 1994b: 48 (cat.); Monné, M.A. & Giesbert, 1994: 143 (checklist); Linsley & Chemsak, 1997: 361 (hosts); Monné, M.A., 2001b: 68 (cat. hosts); Monné, M.A., 2005: 596 (cat.); Monné, M.A. & Hovore, 2006: 142 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

12c. *Crossidius suturalis minutivestis* Linsley, 1957

Type locality - Holotype male: United States, California: Los Angeles County, 2 miles north of Lancaster. (CASC). **Distribution** - United States (California, Western Mojave Desert).

Host plants - *Haplopappus acradenius* S.F. Blake (Asteraceae).

Crossidius intermedius minutivestis Linsley, 1957g: 44; 1957h: 87.

Crossidius suturalis minutivestis; Linsley & Chemsak, 1961: 46; Linsley, 1962a: 160, fig. 50; Chemsak, Linsley & Noguera, 1992: 82 (cat.); Monné, M.A., 1994b: 49 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 360 (hosts); Monné, M.A. & Hovore, 2006: 142 (checklist);

12d. *Crossidius suturalis pubescens* Linsley, 1957

Type locality - Holotype male: United States, California: Riverside County, 2 1/8 miles east of Indio. (CACS). **Distribution** - United States (Southeastern California). **Host plants** - *Haplopappus acradenius eremophilus* (Greene) Hall (Asteraceae).

Crossidius intermedius pubescens Linsley, 1957g: 44; 1957h: 46.

Crossidius suturalis pubescens; Linsley & Chemsak, 1961: 46. Linsley, 1962a: 160, fig. 50; Chemsak, Linsley & Noguera, 1992: 82 (cat.); Monné, M.A., 1994b: 49 (cat.); Monné, M.A. & Giesbert, 1994: 142 (checklist); Linsley & Chemsak, 1997: 360 (hosts); Monné, M.A. & Hovore, 2006: 143 (checklist);

13. *Crossidius testaceus testaceus* LeConte, 1851

Syntypes locality - Syntypes: United States, California: San Diego. (MCZN). **Distribution** - United States (San Diego Co., California), Mexico (northwestern Baja California). **Host plants** - *Baccharis* sp., *Bigelowia arborescens* A. Gray, *Haplopappus vernonioides* (Nuttall) Munz (Asteraceae).

Crossidius testaceus LeConte, 1851: 102; White, 1853: 144; LeConte, 1858a: 40 (distr.); Thomson, 1864: 200; Lacordaire, 1869: 192; LeConte, 1873a: 196; Leng, 1886: 118, 119; Casey, 1891: 31; Hamilton *in* Leng & Hamilton, 1896: 171; Fall, 1901: 146 (distr.); Garnett,

1918: 208 (distr.); Moore, 1937: 91 (distr.); Linsley, 1957e: 85 (distr.); 1957h: 83 (hosts); Linsley & Chemsak, 1961: 47; Linsley, 1962a: 160; Heffern, 1998: 24 (distr.).
Crossidius testaceus testaceus; Linsley & Chemsak, 1961: 47; Linsley, 1962a: 161, fig. 45; Monné, M.A., 1994b: 49n (cat.); Monné, M.A. & Giesbert, 1994: 143 (checklist); Chemsak, Linsley & Noguera, 1992: 82; Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 361 (hosts); Monné, M.A., 2001b: 68 (cat. hosts); Monné, M.A., 2005: 596 (cat.); Monné, M.A. & Hovore, 2006: 142 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

13a. *Crossidius testaceus maculicollis* Casey, 1912

Type locality - Lectotype: United States, California: Los Angeles County. (USNM).

Distribution - United States (California, Los Angeles Co. to western Riverside Co.). **Host plants** - *Haplopappus vernonioides* (Nuttall) Munz (Asteraceae).

Crossidius maculicollis Casey, 1912: 337.

Crossidius testaceus maculicollis; Linsley & Chemsak, 1961: 48; Linsley, 1962a: 161, fig. 45; Chemsak, Linsley & Noguera, 1992: 82 (cat.); Monné, M.A., 1994b: 49 (cat.); Monné, M.A. & Giesbert, 1994: 143z (checklist); Linsley & Chemsak, 1997: 361 (hosts); Monné, M.A. & Hovore, 2006: 142 (checklist); Lingafelter *et al.* 2014: 94, 366, fig. 113u (lectotype).

14. *Crossidius wappesi* Skillman, 2023

Type locality - Holotype male: United States, Texas, Presidio Co., SR170, 3mi W. Ruidosa (FSCA) **Distribution** - United States (Texas)

Crossidius wappesi Skillman, 2023: 2, figs 1-5

Dendrobias Dupont, 1834 *endrobias* Dupont in Audinet-Serville, 1834b: 41; Dupont, 1836: 21; 1838: x, pl. 221, fig. 8; Drapiez, 1838a: 427; Chevrolat in D'Orbigny, 1844: 666; Strauch, 1861: 127; Thomson, 1861: 207; 1864: 209; 1865: 435; Lacordaire, 1869: 200; LeConte, 1873b: 313; LeConte & Horn, 1883: 298; Leng, 1886: 60; Casey, 1912: 315; Bradley, 1930: 230; Linsley, 1962a: 182; Arnett, 1962: 860, 882; Villiers, 1980b: 303; Vlasák & Santos-Silva, 2018: 389.

Trachyderes (Dendrobias); Laporte, 1840: 416; Huedepohl, 1985: 127 (rev.); Monné, M.A., 1994b: 99 (cat.); Monné, M.A., 2005: 651 (cat.); Monné, M.A. & Hovore, 2006: 153 (checklist); Monné, M.A., 2012: 62.

Lacaena Gistel, 1848b: ix (unjustified new name not in prevailing usage).

Dendrobias; LeConte, 1858a: 40; Desmarest in Chenu, 1860: 310; Desmarest in Chenu, 1870: 310 (error).

Type-species - *Dendrobias mandibularis* Dupont, 1834 (subsequent designation, Thomson, 1864: 209).

1. *Dendrobias mandibularis mandibularis* Dupont, 1834

Type locality - Lectotype: Mexico. (MNHN). **Distribution** - United States (Arizona, New Mexico and southern Texas), Mexico (Baja California, Sonora, Durango, Nayarit, Jalisco, Veracruz, Oaxaca, Puebla, Chiapas, Guerrero, Tamaulipas, Yucatán, Colima), Guatemala, Honduras. **Host plants** - *Mangifera indica* Linnaeus, *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae), *Parkinsonia aculeata* Linnaeus (Caesalpiniaceae), *Celtis laevigata* Willdenow, *C. reticulata* Torrey (Cannabaceae), *Carica papaya* Linnaeus (Caricaceae), *Sesbania drummondii* (Rydberg) Cory (Fabaceae), *Casearia corymbosa* Kunth (Flacourtiaceae), *Persea americana* P. Miller (Lauraceae), *Acacia* sp., *Enterolobium cyclocarpum* (Jacquin) Grisebach, *Leucaena pulverulenta* (Schlechtendal) Bentham, *Pithecellobium* sp., *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Ficus* sp. (Moraceae), *Psidium guajava* Linnaeus (Myrtaceae), *Prunus persica* (Liné) Batsch (Rosaceae), *Citrus aurantium* Linnaeus (Rutaceae), *Salix* sp. (Salicaceae), *Tamarix gallica* Linnaeus (Tamaricaceae), *Ulmus* sp. (Ulmaceae), *Vitis vinifera* Linnaeus (Vitaceae). **Host**

flowers - *Amaranthus* sp. (Amaranthaceae), *Baccharis angustifolia* Michaux, *B. halimifolia* Linnaeus, *B. neglecta* Nuttall, *B. sarothroides* A. Gray, *Solidago canadensis canescens* Gray (Asteraceae), *Croton punctatus* Jacquin (Euphorbiaceae), *Sphaeralcea angustifolia* G. Don (Malvaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Leucophyllumtexanum* Benth (Scrophulariaceae).

Dendrobias mandibularis Dupont in Audinet-Serville, 1834b: 42; Dupont, 1836: 23, pl. 151, fig. 1; Drapiez, 1838a: 427; White, 1853: 67; Strauch, 1861: 127; Thomson, 1864: 209; Lacordaire, 1869: 201; Bates, 1880: 88; 1885: 331 (distr.); Leng, 1886: 61, pl. 2, fig. 6; Horn, 1894: 338 (distr.); Townsend, 1903: 77 (distr.); Schwarz, 1904: 21 (biol.); Schaeffer, 1908: 328 (distr.); Casey, 1912: 315; Grossbeck, 1912: 325 (distr.); Garnett, 1918: 207 (distr.); Craighead, 1923: 81 (larva); Linsley & Martin, 1933: 181 (distr.); Linsley, 1935a: 102 (distr.); Saalas, 1936: 113; Linsley, 1942: 64; Vogt, 1949: 178; Duffy, 1960: 107 (larva); Linsley, 1962a: 183; Chemsak & Linsley, 1974a: 182 (syn.); Chemsak, Linsley & Mankins, 1980: 33 (distr.); Cope, 1984a: 29 (hosts); Goldsmith, 1985: 534 (biol.); 1987a: 111 (biol.); Terron, 1992: 288 (distr.); Linsley & Chemsak, 1997: 364 (hosts).

Trachyderes (Dendrobias) mandibularis; Laporte, 1840: 416; Huedepohl, 1985: 127, fig. 55w; 1987: 201; MacKay, Zak & Hovore, 1987: 365 (hosts); Hovore, Penrose & Neck, 1987: 299 (biol.); Chemsak, Linsley & Noguera, 1992: 87 (cat.); Goldsmith & Alcock, 1993: 351 (biol.); Chemsak & Noguera, 1995: 64 (biol., distr.); Noguera & Chemsak, 1996: 403 (cat.); Monné, M.A., 2001b: 81 (cat. hosts); Toledo *et al.*, 2002: 529 (distr.); Turnbow, Cave & Thomas, 2003: 18 (distr.); Monné, M.A., 2005: 651 (cat.); Hovore, 2006: 374 (distr.); Noguera *et al.*, 2007: 312 (distr.); Noguera *et al.*, 2009: 89 (distr.); MacRae, Bezark & Swift, 2012: 182; Noguera *et al.*, 2012: 621 (distr.).

Dendrobias mandibularis; LeConte, 1858a: 40 (distr.); Desmarest in Chenu, 1870: 310; Fall, 1901: 145 (distr.); Swan & Papp, 1972: 445, fig. 938A.

Dendrobias mandibularis mandibularis; Chemsak, 1958: 42 (biol.); Linsley, 1962a: 183; Monné, M.A., 1994b: 99 (cat.); Monné, M.A. & Giesbert, 1994: 153 (checklist); Hovore & Giesbert, 1976: 355 (hosts); Manley & French, 1976: 47; Bezark 2019: 411 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

Trachyderes mandibularis mandibularis; Morales-Morales *et al.*, 2012: 38 (biol.); García Morales *et al.*, 2015: 106 (distr.); Luna-León. 2015: 838 (distr.).

Trachyderes (Dendrobias) mandibularis mandibularis; Monné, M.A. & Hovore, 2006: 153 (checklist); Noguera & Gutiérrez, 2016: 659 (distr.); Noguera *et al.*, 2017: 10 (distr.).

Dendrobias quadrimaculatus Dupont, 1836: 22, pl. 151, fig. 2.

Dendrobias mandibularis quadrimaculatus; Linsley, 1962a: 183.

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

Dendrobias testaceus Dupont, 1836: 24, pl. 152, fig. 1.

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

Dendrobias basalis Dupont, 1840: 6, pl. 33.

Type locality - Holotype: Colombia, Santa Fé de Bogotá. (MNHN).

Trachyderes spinicollis Bates, 1885: 332; Linsley, 1942: 88; Chemsak & Linsley, 1970b: 406 (lect.).

Type locality - Lectotype female: Mexico, Islas Tres Mariás. (BMNH).

Dendrobias debilicollis Casey, 1912: 316; Lingafelter *et al.*, 2014: 50, figs 53g, h (lect. designation).

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

Dendrobias peninsularis Casey, 1912: 316; Lingafelter *et al.*, 2014: 297, figs 129q, r (holotype).

Type locality - Holotype female: Mexico, Baja California Sur. (USNM).

1a. *Dendrobias mandibularis reductus* Casey, 1912

Type locality - Holotype male: United States, California: near Yuma. (USNM). **Distribution**

- United States (Colorado River area of California and Arizona), Mexico (Baja California). **Host plants** - *Celtis laevigata* Willdenow (Cannabaceae), *Citrus paradisi* Macfayden (Rutaceae), *Salix* sp. (Salicaceae).

Dendrobias reductus Casey, 1912: 316; Lingafelter *et al.*, 2014: 309, figs 142s, t (lect. designation).

Dendrobias mandibularis reductus; Linsley, 1962a: 184, fig. 55; Linsley & Chemsak, 1997: 364 (hosts).

Trachyderes (Dendrobias) mandibularis reductus; Huedepohl, 1987: 201; Chemsak, Linsley & Noguera, 1992: 87 (cat.); Monné, M.A., 1994b: 99 (cat.); Monné, M.A. & Giesbert, 1994: 153 (checklist); Noguera & Chemsak, 1996: 403 (cat.); Monné, M.A., 2001b: 82 (cat. hosts); Monné, M.A., 2005: 652 (cat.); Monné, M.A. & Hovore, 2006: 153 (checklist);

1b. *Dendrobias) mandibularis virens* Casey, 1912

Type locality - Lectotype: United States, Texas. (USNM). **Distribution** - United States (Texas), Mexico (Tamaulipas). **Host plants** - *Celtis laevigata* Willdenow (Cannabaceae), *Leucaena pulverulenta* (Schlechtendal) Bentham (Mimosaceae), *Citrus sinensis* (Linnaeus) Osbeck (Rutaceae). **Host flowers** - *Abutilon* sp. (Malvaceae).

Dendrobias virens Casey, 1912: 316.

Dendrobias mandibularis virens; Linsley, 1962a: 185; Hovore & Penrose, 1982: 25 (biol.); Monné, M.A., 1994b: 99 (cat.); Monné, M.A. & Giesbert, 1994: 15x4 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

Trachyderes (Dendrobias) mandibularis virens; Huedepohl, 1987: 201, fig. 2 (reval.); Hovore, Penrose & Neck, 1987: 299 (hosts); Chemsak, Linsley & Noguera, 1992: 87 (cat.); Monné, M.A. & Hovore, 2006: 153 (checklist); Lingafelter *et al.*, 2014: 344, 366, fig. 18 g (lectotype); García Morales *et al.*, 2015: 106 (distr.).

***Elytroleptus* Dugés, 1879**

Elytroleptus Dugés, 1879: 182; Bates, 1885: 317; Leng, 1886: 31; Bradley, 1930: 240; Knull, 1946: 228; Linsley, 1961a: 632 (key spp.); 1961c: 9; 1962a: 175; 1962b: 1 (rev.); Chemsak & Linsley, 1965c: 193 (rev.); 1974: 182; Monné, M.A., 1994b: 70 (cat.); Monné, M.A., 2005: 603 (cat.); Monné, M.A. & Hovore, 2006: 143 (checklist); Monné, M.A., 2012: 57; Grzymala & Miller, 2013: 1 (rev.).

Type-species - *Elytroleptus alfredi* Dugés, 1879 (subsequent designation, Linsley, 1962a: 175) [= *Pteroplatus pallidus* Thomson, 1861].

Pteroplatus; Thomson, 1861: 255; LeConte, 1873b: 310; LeConte & Horn, 1883: 295 (not Buquet, 1840).

1. *Elytroleptus apicalis* (LeConte, 1884)

Type locality - Lectotype male: United States, Arizona. (MCZN). **Distribution** - United States (Western Texas to southern Arizona), Mexico (Aguascalientes, Chihuahua, Coahuila, Durango, Sonora, Jalisco, Tamaulipas, Zacatecas, Nuevo León, San Luis Potosi, Tamaulipas). **Host plants** - *Quercus* sp. (Fagaceae).

Pteroplatus apicalis LeConte, 1884: 24.

Elytroleptus apicalis; Bates, 1885: 318 (distr.); Leng, 1886: 32; Linsley, Eisner & Klotz, 1961: 19, fig. 2 (biol.); Linsley, 1961c: 10; Linsley, Knull & Statham, 1961b: 19, fig. 11; Linsley, 1962a: 176; 1962b: 5, fig. 1; Eisner, Kafatos & Linsley, 1962: 316, figs 1,3 (biol.); Selander, Miller & Mathieu, 1963: 46 (mimet.); Chemsak & Linsley, 1965c: 195; Skiles & Chemsak, 1982: 19 (lect., hosp.); Chemsak, Linsley & Noguera, 1992: 82 (cat.); Monné, M.A., 1994b: 70 (cat.); Monné, M.A. & Giesbert, 1994: 144 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Monné, M.A., 2001b: 70 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.); Monné, M.A., 2005: 604 (cat.); Monné, M.A. & Hovore, 2006: 143 (checklist); Noguera *et al.*, 2009: 88 (distr.); Grzymala & Miller, 2013: 14, figs 4,33; García Morales *et al.*, 2015: 106 (distr.); Heffern, Vlasak & Alten, 2018:742; Pérez & Toledo, 2020: 15 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

2. *Elytroleptus divisus* (LeConte, 1884)

Type locality - Holotype male: United States, Texas: Dallas. (MCZN). **Distribution** - United States (Texas), Mexico (Coahuila, Hidalgo, Nuevo León, San Luís Potosí, Querétaro, Tamaulipas). **Host flowers** - *Eysenhardtia polystachya* (Ortega) Sargent (Fabaceae), *Vachellia farnesiana* (Linnaeus) Wight & Arn. (Mimosaceae), *Condalia hookeri* M.C. Johnston, *C. obtusiflora* (Hooker) Weberbauer, *Karwinskia humboldtiana* (Schoemer & Schultes) Zuccarini (Rhamnaceae), *Bumelia lanuginosa* Michaux (Sapotaceae).

Pteroplatus divisus LeConte, 1884: 23.

Elytroleptus divisus; Leng, 1886: 32; Vogt, 1949: 175; Linsley, 1961c: 11; 1962a: 177; 1962b: 11; Chemsak & Linsley, 1965c: 196; Hovore, Penrose & Neck, 1987: 299 (distr.,biol.); Chemsak, Linsley & Noguera, 1992: 82 (cat.); Monné, M.A., 1994b: 70 (cat.); Monné, M.A. & Giesbert, 1994: 144 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Ruíz Cancino & Coronado Blanco, 2002: 102 (distr.); Monné, M.A., 2005: 604 (cat.); Monné, M.A. & Hovore, 2006: 143 (checklist); Grzymala & Miller, 2013: 21, figs 5,33 (syn.); García Morales *et al.*, 2015: 106 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

Elytroleptus dichromaticus Linsley, 1961c: 13, fig. 1; 1962b: 11; Chemsak & Linsley, 1965c: 196; Chemsak, Linsley & Noguera, 1992: 82 (cat.); Noguera & Chemsak, 1996: 402 (cat.); Monné, M.A., 2005: 604 (cat.); Monné, M.A. & Hovore, 2006: 143 (checklist);

Type locality - Holotype female: Mexico, Querétaro: Querétaro. (CASC).

3. *Elytroleptus floridanus* (LeConte, 1862)

Type locality - Holotype female: United States, Florida. (MCZC). **Distribution** - Canada ?, United States, area including Virginia, North Carolina, South Carolina, eastern Tennessee, Georgia, Alabama, Mississippi, Florida, Arkansas, Louisiana. **Host plants** - *Quercus alba* Linnaeus, *Q. laevis* Walt., *Q. inopina* Ashe (Fagaceae).

Pteroplatus ? floridanus LeConte, 1862: 42; Bates, 1885: 317

Elytroleptus floridanus; Leng, 1886: 31, pl. 2, fig. 1; Knull, 1946: 228, pl. 27, fig. 177; Linsley, 1961c: 11; 1962: 177; 1962: 10; Chemsak & Linsley, 1965: 194; 1975: 109; 1982a: 56; Monné, M.A., 1994b: 70(cat.); Monné, M.A. & Giesbert, 1994: 144 (checklist); Yanega, 1996: 127, pl. 19, fig. 228; Morris, 2002: 210 (hosts); Monné, M.A. & Hovore, 2006: 143 (checklist); Lingafelter, 2007: 77, 146, 2 figs, pl. 18f (hosts); Grzymala & Miller, 2013: 23, figs 6, 34 (rev.); Holt, 2013: 250 (distr.); Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 78, pl.14; Heffern, Vlasák & Alten, 2018: 743 (hosts).

Elytroleptus floridana; Chemsak, Linsley & Noguera, 1992: 82 (cat.).

4. *Elytroleptus ignitus* (LeConte, 1884)

Type locality - Holotype female: United States, Arizona. (MCZN). **Distribution** - United States (Arizona), Mexico (Sonora, Chihuahua). **Host plants** - *Quercus hypoleucoides* A. Camus (Fagaceae). **Host flowers** - *Rhus* sp. (Anacardiaceae), *Acacia* sp. (Mimosaceae), *Clematis pauciflora* Nuttall in Torrey & Gray (Ranunculaceae), *Ceanothus* sp., *Condalia ericoides* (A, Gray) M.C. Johnston (Rhamnaceae), *Sapindus saponaria* var. *drummondii* (Hooker & Arnott) Benson (Sapindaceae).

Pteroplatus ignitus LeConte, 1884: 24.

Elytroleptus ignitus; Bates, 1885: 317; Leng, 1886: 32; Schaeffer, 1908: 330 (distr.); Knull, 1948: 83 (distr.); Linsley, Eisner & Klotz, 1961a: 21, fig. 3; Linsley, 1961c: 12; Linsley, Knull & Statham, 1961b: 21, fig. 10; Linsley, 1962a: 179; 1962b: 5; Eisner, Kafatos & Linsley, 1962: 316, figs 1, 2 (biol.); Selander, Miller & Mathieu, 1963: 46; Chemsak & Linsley, 1965c: 196 (distr.); Skiles & Chemsak, 1982: 69 (lect.); Chemsak, Linsley & Noguera, 1992: 83 (cat.); Monné, M.A., 1994b: 71 (cat.); Monné, M.A. & Giesbert, 1994: 144 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Monné, M.A., 2005: 604 (cat.); Monné, M.A. & Hovore, 2006: 143 (checklist); Grzymala & Miller, 2013: 28, figs 9, 35 (syn.); Heffern, Vlasák & Alten, 2018:743; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

Elytroleptus luteicollis Skiles & Chemsak, 1982: 66; Chemsak, Linsley & Noguera, 1992: 83 (cat.); Noguera & Chemsak, 1996: 402 (cat.); Monné, M.A., 2005: 605 (cat.).

Type locality - Holotype male: Mexico, Chihuahua: 25 mi W Hidalgo del Parral. (CASC).

5. *Elytroleptus immaculipennis* Knull, 1935

Type locality - Holotype male: United States, Texas: Davis Mts. (OZUC). **Distribution** - United States (western Texas), Mexico (Durango, Oaxaca, Baja California Sur, Puebla). **Host plants** - *Quercus hypoleucooides* A. Camus (Fagaceae).

Elytroleptus floridanus immaculipennis Knull, 1935a: 99.

Elytroleptus immaculipennis; Knull, 1950: 91; Linsley, 1961c: 11; 1962a: 178; 1962b: 10; Chemsak & Linsley, 1965c: 196 (distr.); Chemsak, Linsley & Noguera, 1992: 83 (cat.); Monné, M.A., 1994b: 71 (cat.); Monné, M.A. & Giesbert, 1994: 144 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Monné, M.A., 2005: 605 (cat.); Monné, M.A. & Hovore, 2006: 143 (checklist); Grzymala & Miller, 2013: 31, figs 10, 36 (syn); Noguera & Gutiérrez, 2016: 659 (distr.); Heffern, Vlasak & Alten, 2018:743; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

Elytroleptus immaculipennis var. *obliquus* Knull, 1950: 91; Chemsak, 1977a: 174 (type).

Type locality - Holotype female: United States, Texas: Davis Mts. (FMNH).

Elytroleptus peninsularis Hovore, 1988: 16, fig. 3a; Chemsak, Linsley & Noguera, 1992: 83 (cat.); Noguera & Chemsak, 1996: 402 (cat.); Monné, M.A., 2005: 606 (cat.).

Type locality - Holotype female: Mexico, Baja California Sur: Santa Victoria trail, W La Laguna. (CASC).

6. *Elytroleptus limpianus* Skiles & Chemsak, 1982

Type locality - Holotype male: United States, Texas, Davis Mountain Range, Limpia Canyon. (CASC). **Distribution** - United States (Texas). **Host plants** - *Quercus grisea* (Fagaceae)

Elytroleptus limpianus Skiles & Chemsak, 1982: 67; Chemsak, Linsley & Noguera, 1992: 83 (cat.); Monné, M.A., 1994b: 71 (cat.); Monné, M.A. & Giesbert, 1994: 144 (checklist); Monné, M.A. & Hovore, 2006: 143 (checklist); Grzymala & Miller, 2013: 33, figs 11, 36 (rev.).

7. *Elytroleptus luteus* Dugés, 1879

Type locality - Holotype male: Mexico, Guanajuato. (UNAM). **Distribution** - United States (western Texas to southern Arizona), Mexico (Sonora, Chihuahua, Nayarit, Guanajuato, Mexico, Durango, Sonora), Guatemala, Honduras. **Host plants** - *Acacia decurrens* Willdenow (Mimosaceae). **Host flowers** -*Buddleja cordata* Kunth (Buddlejaceae), *Clematis pauciflora* Nuttall in Torrey & Gray (Ranunculaceae).

Elytroleptus luteus Dugés, 1879: 185, fig. 10; Lameere, 1883: 44 (cat.); Bates, 1885: 317 (distr.); Chemsak & Linsley, 1965c: 199 (distr.); Chemsak, Linsley & Mankins, 1980: 33 (distr.); Monné, M.A., 1994b: 71 (cat.); Monné, M.A. & Giesbert, 1994: 144 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Grzymala & Miller, 2013: 34, figs 1, 2, 3, 12, 36; Zaragoza-Caballero & Pérez-Hernández, 2017: 33 (paratype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480

Elytroleptus luteus luteus; Linsley, 1961c: 12; 1962b: 12; Chemsak, Linsley & Noguera, 1992: 83 (cat.); Turnbow, Cave & Thomas, 2003: 18 (distr.); Monné, M.A., 2005: 605 (cat.); Monné, M.A. & Hovore, 2006: 143 (checklist); Hovore, 2006: 374 (distr.).

Elytroleptus davisii Knull, 1940: 558, fig. 6; Chemsak, 1977a: 174 (type).

Elytroleptus luteus davisii; Linsley, 1961c: 12; 1962a: 180, fig. 53; 1962b: 12; Skiles & Chemsak, 1982: 69 (syn.); Chemsak, Linsley & Noguera, 1992: 83 (cat.); Monné, M.A., 2005: 605 (cat.); Monné, M.A. & Hovore, 2006: 143 (checklist);

Type locality - Holotype: United States, Texas: Davis Mts., Fort Davis. (FMNH).

Elytroleptus lineatus Knull, 1950: 91; Linsley, 1961c: 11; 1962a: 179; 1962b: 12; Chemsak & Linsley, 1965c: 195; Chemsak, 1977a: 174 (type).

Type locality - Holotype female: United States, Texas: Davis Mts. (FMNH).

8. *Elytroleptus rufipennis* (LeConte, 1884)

Type locality - Lectotype male: United States, Arizona. (MCZN). **Distribution** - United States (southern Arizona, New Mexico), Mexico (Chihuahua, Durango, Hidalgo, Veracruz, Puebla,

Oaxaca, Chiapas). **Host flowers** - *Melilotus alba* Medikus (Fabaceae), *Muhlenbergia longiligula* Hitchcock (Poaceae), *Bumelia lanuginosa* (Michaux) (Sapotaceae).
Pteroplatus rufipennis LeConte, 1884: 23.
Elytroleptus rufipennis; Leng, 1886: 31, 32; Fall & Cockerell, 1907: 192 (distr.); Schaeffer, 1908: 330 (distr.); Linsley, 1961c: 12 (syn.); 1962a: 179; 1962b: 7; Linsley, Knull & Stataham, 1961b: 21 (distr.); Chemsak & Linsley, 1965c: 196 (distr.); Emmel, 1965: 14, fig. 1 (biol.); Skiles & Chemsak, 1982: 70 (lect.); Chemsak, Linsley & Noguera, 1992: 83 (cat.); Monné, M.A., 1994b: 72 (cat.); Monné, M.A. & Giesbert, 1994: 144 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Monné, M.A., 2005: 606 (cat.); Monné, M.A. & Hovore, 2006: 143 (checklist); Grzymala & Miller, 2013: 40, figs 16, 38; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480
Elytroleptus longipennis Bates, 1885: 318; Linsley, 1935a: 96 (distr.).
Type locality - Holotype female: Mexico. (BMNH).
Elytroleptus eros Bates, 1885: 318, pl. 21, fig. 23; Linsley, 1935a: 96 (distr.); Chemsak & Linsley, 1970b: 406 (lect.).
Type locality - Lectotype female: Mexico, Oaxaca. (BMNH).

***Lophalia* Casey, 1912**

Lophalia Casey, 1912: 333, 335; Linsley, 1962a 96; Arnett, 1962: 863, 881; Monné, M.A., 1994b: 33 (cat.); Monné, M.A., 2005: 614 (cat.); Monné, M.A. & Hovore, 2006: 145 (checklist); Monné, M.A., 2012: 58.
Type-species - *Sphaenothecus cyanicollis* Dupont, 1838 (original designation).
Entomosterna; LeConte, 1873b: 314; LeConte & Horn, 1883: 299; Leng, 1886: 30, 83 (not Chevrolat, 1862).

1. *Lophalia cyanicollis* (Dupont, 1838)

Type locality - Holotype female: Mexico. (MNHN). **Distribution** - United States (Arizona to Texas), Mexico (Mexico, Veracruz, Chiapas, Puebla, Tamaulipas, Oaxaca). **Host flowers** - *Baccharis* sp., *Cosmos sulphureus* Cavanilles, *Montanoa* sp., *Tithonia rotundifolia* Blake, *Verbesina* sp (Asteraceae), *Karwinskia* sp. (Rhamnaceae).
Sphaenothecus cyanicollis Dupont, 1838: 59, pl. 220, fig. 2; Lacordaire, 1869: 184.
Sphaenothecus cyanicollis; White, 1853: 86; LeConte, 1858a: 40 (distr.); Bates, 1880: 85 (distr.); 1885: 329 (distr.).
Entomosterna cyanicollis; LeConte, 1873b: 314; LeConte & Horn, 1883: 300; Leng, 1886: 83.
Lophalia cyanicollis; Casey, 1912: 335; Linsley, 1962a: 96; Hovore, Penrose & Neck, 1987: 297 (biol.); Chemsak, Linsley & Noguera, 1992: 84 (cat.); Monné, M.A., 1994b: 34 (cat.); Monné, M.A. & Giesbert, 1994: 146 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Toledo *et al.*, 2002: 529 (distr.); Monné, M.A., 2005: 615 (cat.); Monné, M.A. & Hovore, 2006: 145 (checklist); MacRae, Bezark & Swift, 2012: 180; Morales-Morales *et al.*, 2012: 38 (biol.); García Morales *et al.*, 2015: 106 (distr.); Santos-Silva, Botero & Le Tirant, 2018: 203 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 480
Sphaenothecus (Lophalia) cyanicollis; Linsley, 1935a: 100 (distr.).

***Mannophorus* LeConte, 1854**

Mannophorus LeConte, 1854a: 442; Thomson, 1864: 333; 1865: 432; LeConte, 1873b: 314; Bates, 1880: 82; LeConte & Horn, 1883: 299; Leng, 1886: 60, 83; Bradley, 1930: 241; Linsley, 1962a 94; Arnett, 1962: 863, 881; Monné, M.A., 1994b: 31 (cat.); Monné, M.A., 2005: 615 (cat.); Monné, M.A. & Hovore, 2006: 145 (checklist); Monné, M.A., 2012: 58.
Type-species - *Mannophorus laetus* LeConte, 1854 (monotypy).

1. *Mannophorus forreri* Bates, 1885

Type locality - Lectotype male: Mexico, Durango: Ventanas.[Villa Corona]. (BMNH).
Distribution - United States (Arizona), Mexico (Durango, Chihuahua, Sonora).

Mannophorus forreri Bates, 1885: 327, pl. 21, fig. 24; Chemsak, 1967b: 77 (lect.); Giesbert & Hovore, 1976: 98 (distr.); Marqua, 1976: 37 (distr.); Chemsak, Linsley & Noguera, 1992: 84 (cat.); Monné, M.A., 1994b: 32 (cat.); Monné, M.A. & Giesbert, 1994: 146 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Monné, M.A., 2005: 615 (cat.); Monné, M.A. & Hovore, 2006: 145 (checklist); Noguera *et al.*, 2009: 88 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

2. *Mannophorus laetus* LeConte, 1854

Syntypes locality - Syntypes male and female: United States, Texas: near Eagle Pass. (MCZN). **Distribution** - United States (southern and western Texas), Mexico (Nuevo León, San Luis Potosí, Hidalgo, Tamaulipas). **Host plants** - *Helianthus* sp., *Verbescina encelioides* (Cavanilles) Bentham & Hooker, *Viguiera* sp. (Asteraceae). **Host flowers** - *Helianthus* sp., *Verbescina encelioides* (Cavanilles) Bentham & Hooker, *Viguiera stenoloba* S.F.Blake (Asteraceae), *Acacia berlandieri* Bentham (Mimosaceae), *Condalia obtusiflora* (Hooker) Weberbauer (Rhamnaceae).

Mannophorus laetus LeConte, 1854a: 442; 1858a: 40 (distr.); Thomson, 1864: 333; Bates, 1880: 82 (distr.); Leng, 1886: 83, pl. 2, fig. 14; Vogt, 1949: 178 (distr.); Linsley, 1962a: 94; Chemsak & Linsley, 1974a: 182 (syn.); Hovore, Penrose & Giesbert, 1978: 99 (hosts); Hovore, Penrose & Neck, 1987: 296 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 84 (cat.); Monné, M.A., 1994b: 32 (cat.); Monné, M.A. & Giesbert, 1994: 146 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 394 (hosts); Monné, M.A., 2001b: 71 (cat. hosts); Monné, M.A., 2005: 615 (cat.); Monné, M.A. & Hovore, 2006: 145 (checklist); Gutiérrez & Noguera, 2015: 145 (distr.); García Morales *et al.*, 2015: 106 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

Mannophorus ferreus Bates, 1880: 82; Lameere, 1883: 41 (cat.); Chemsak, 1967b: 77 (lect.).

Type locality - Mexico, San Luis Potosí: Alvarez mountains. (BMNH).

Megaderus Germar, 1823

Megaderus Dejean, 1821: 106 (cat., *nomen nudum*); Germar, 1823: 501; Latreille *in* Cuvier, 1829: 111; Gray *in* Griffith & Pidgeon, 1832: 102; Audinet-Serville, 1834b: 57; Dupont, 1836: 3; 1838: vii, pl. 221, fig. 1; Laporte, 1840: 413; Blanchard *in* Cuvier, 1849: 473; Strauch, 1861: 126; Thomson, 1861: 214; 1864: 206; 1865: 433; Lacordaire, 1869: 216; Chenu, 1870: 310; Bates, 1870: 438; Girard, 1873: 721; LeConte, 1873b: 312; Leng, 1886: 60; Bradley, 1930: 230; Linsley, 1962a: 187; Arnett, 1962: 860, 882; Monné, M.A., 1994b: 108 (cat.); Monné, M.A., 2005: 616 (cat.); Monné, M.A. & Hovore, 2006: 146 (checklist); Monné, M.L. & Monné, M.A., 2013: 360 (reinstated).

Type-species - *Cerambyx stigma* Linnaeus, 1758 (monotypy).

Neomegaderus Monné, M.A., 2006: 179; 2012: 59 (unnecessary replacement name).

1. *Megaderus bifasciatus* Dupont, 1838

Type locality - Holotype: Mexico. (BMNH). **Distribution** - United States (Texas, southern Arizona), Mexico (Jalisco, Morelos, Mexico, Guanajuato), Honduras. **Host plants** - *Juniperus* sp. (Cupressaceae), *Pinus* sp. (Pinaceae).

Megaderus bifasciatus Dupont, 1838: 5, pl. 141, fig. 2; LeConte, 1852: 176; 1858a: 40 (distr.); Lacordaire, 1869: 217; LeConte, 1873b: 312; Bates, 1880: 91 (distr.); Riley, 1880: 239 (hosts); LeConte & Horn, 1883: 297; Bates, 1885: 338 (distr.); Leng, 1886: 61, pl. 3, fig. 5; Beutenmuller, 1896: 76 (hosts); Linsley, 1935a: 102 (distr.); Linsley, 1962a: 187; Chemsak, Linsley & Mankins, 1980: 34 (distr.); Chemsak, Linsley & Noguera, 1992: 84 (cat.); Monné, M.A., 1994b: 108 (cat.); Monné, M.A. & Giesbert, 1994: 146 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Monné, M.A., 2001b: 71 (cat. hosts); Turnbow, Cave & Thomas, 2003: 18 (distr.); Monné, M.A., 2005: 616 (cat.); Toledo, 2005b: 419 (distr.); Hovore, 2006: 374 (distr.); Monné, M.A. & Hovore, 2006: 146 (checklist); Heffern, Bezark & Androw, 2018: 158. figs; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

Megaderus corallifer Newman, 1840a: 195; Guérin-Méneville, 1844a: 217; Haldeman in Stansbury, 1852: 378, pl. 9, fig. 15; White, 1853: 67.

Type locality - Holotype: Mexico. (BMNH).

***Megapurpuricen* Eya, 2015**

Megapurpuricen Eya, 2015: 398.

Type-species - *Purpuricen magnificus* LeConte, 1875 (original designation).

1. *Megapurpuricen magnificus* (LeConte, 1875)

Type locality - Holotype female: United States, Arizona. (MCZN). **Distribution** - United States (Arizona), northern Mexico (Chihuahua, Aguascalientes). **Host plants** - *Quercus arizonica* Sargent, *Q. eduardii* Trel., *Q. emoryi* Torrey, *Q. grisea* Liebmann, *Q. hypoleuca* Engelman, *Q. potosina* Trel. (Fagaceae).

Purpuricen magnificus LeConte, 1875: 173; Lameere, 1883: 44 (cat.).

Crioprosopus magnificus; Leng, 1886: 62; Linsley, 1962a: 102; Hovore, 1983: 381 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 35 (cat.); Monné, M.A. & Giesbert, 1994: 141 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 356 (hosts); Monné, M.A., 2001b: 66 (cat. hosts); Monné, M.A., 2005: 593 (cat.); Monné, M.A. & Hovore, 2006: 141 (checklist); Sánchez-Martínez, Moreno-Rico & Siqueiros-Delgado, 2010: 319, 4 figs (biol.); Sosa-Ramírez, 2011: 60, 2 figs.

Megapurpuricen magnificus; Eya, 2015: 398, figs 148-151; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

***Metaleptus* Bates, 1872**

Metaleptus Bates, 1872: 192; 1880: 78; Horn, 1885a: 175; Leng, 1886: 60, 82; Casey, 1912: 325; Bradley, 1930: 241; Linsley, 1942: 60; 1962a: 121; Arnett, 1962: 863, 881; Monné, M.A., 1994b: 54 (cat.); Monné, M.A., 2005: 617 (cat.); Monné, M.A. & Hovore, 2006: 145 (checklist); Monné, M.A., 2012: 58.

Type-species - *Metaleptus marginellus* Bates, 1872 (Linsley designation, 1962a: 121).

1. *Metaleptus batesi* Horn, 1885

Syntypes locality - Syntypes male and female: United States, Arizona (MCZN). **Distribution** - United States (Southern California, Arizona), northern Mexico (Sonora). **Host plants** - *Quercus hypoleucooides* (Fagaceae), *Acacia greggii* A. Gray (Mimosaceae).

Metaleptus batesi Horn, 1885a: 174; Leng, 1886: 82; Schaeffer, 1908: 330 (distr.); Craighead, 1923: 80, pl. 1, fig. 8; pl. 10, fig. 1; Linsley, Knull & Statham, 1961b: 23; Linsley, 1962a: 121, fig. 39; Chemsak, Linsley & Noguera, 1992: 84 (cat.); Monné, M.A., 1994b: 55 (cat.); Monné, M.A. & Giesbert, 1994: 147 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 397 (hosts); Monné, M.A., 2001b: 72 (cat. hosts); Monné, M.A., 2005: 617 (cat.); Monné, M.A. & Hovore, 2006: 145 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

***Muscidora* Thomson, 1864**

Muscidora Thomson, 1864: 202; Lacordaire, 1869: 186; Bates, 1885: 329; Monné, M.A., 1994b: 61 (cat.); Monné, M.A., 2005: 620 (cat.); Monné, M.A. & Hovore, 2006: 146 (checklist); Monné, M.A., 2012: 59; Eya, 2019: 27 (key spp.)

Type-species - *Muscidora tricolor* Thomson, 1864 (original designation).

1. *Muscidora tumacacorii* (Knull, 1944)

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

Distribution - United States (Arizona), northern Mexico (Sonora).

Oxoplus tumacacorii Knull, 1944: 91, 1 fig.; Chemsak, 1977a: 177 (type).

Crossidius tumacacorii; Linsley & Chemsak, 1961: 43; Linsley, 1962a: 155, fig. 49.

Deltaspis tumacacorii; Chemsak & Linsley, 1974a: 181; Chemsak, Linsley & Noguera, 1992: 82 (cat.); Monné, M.A., 1994b: 51 (cat.); Noguera & Chemsak, 1996: 402 (cat.); Monné, M.A., 2005: 600 (cat.); Monné, M.A. & Hovore, 2006: 143 (checklist);
Muscidora tumacacorii; Eya, 2019: 28, 45, figs; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

***Neoxoplus* Eya, 2019**

Neoxoplus Eya, 2019: 22,23

Type-species - *Oxoplus cruentus* LeConte, 1862 (original designation)

1. *Neoxoplus cruentus* (LeConte, 1862)

Type locality - Holotype: Mexico, Baja California: San José del Cabo. (MCZN).

Distribution - United States (California, San Bernardino Mts.), Mexico (Baja California Sur).

Host plants - *Encelia farinosa* A. Gray, *Gutierrezia californica* Torrey & A. Gray (Asteraceae), *Eriogonum fasciculatum* Benth (Polygonaceae). **Host flowers** - *Baccharis sergiloides* Gray, *Encelia farinosa* A. Gray, *Gutierrezia californica* Torrey & A. Gray (Asteraceae), *Eriogonum fasciculatum* Benth (Polygonaceae).

Oxoplus cruentus LeConte, 1862: 42; Lacordaire, 1869: 180; Horn, 1885a: 175; Leng, 1886: 102, 103; Garnett, 1918: 208 (distr.); Linsley, 1942: 62.

Crossidius cruentus; Linsley, 1955: 63; 1957h: 86 (hosts); 1962a: 156; Linsley & Chemsak, 1961: 43.

Deltaspis cruentus; Chemsak & Linsley, 1974a: 182; Hovore & Giesbert, 1976: 354 (hosts); Chemsak, Linsley & Noguera, 1992: 82 (cat.); Monné, M.A., 1994b: 50 (cat.); Noguera & Chemsak, 1996: 402 (cat.); Heffern 1998: 24 (distr., exclusion); Beierl & Barchet, 2000: 6, 7 (biol.); Monné, M.A., 2001b: 68 (cat. hosts); Monné, M.A., 2005: 598 (cat.); Monné, M.A. & Hovore, 2006: 142 (checklist);

Oxoplus cruentatus; Horn, 1894: 338 (error).

Neoxoplus cruentus; Eya, 2019: 23, figs; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

Oxoplus marginatus LeConte, 1862: 42; Lacordaire, 1869: 180; LeConte, 1884: 23; Horn, 1885a: 175; Leng, 1886: 102, 103; Horn, 1894: 338 (distr.); Garnett, 1918: 208 (distr.); Linsley, 1942: 62.

Crossidius marginatus; Linsley, 1955: 63, 66 (biol.).

Type locality - Holotype: Mexico, Baja California: San José del Cabo. (MCZN).

2. *Neoxoplus ivae* (Beierl & Barchet-Beierl, 2000)

Type locality - Holotype male: United States, California: San Diego Co. (Lower Otay Lake). (EMEC). **Distribution** - United States (California), Mexico (Baja California Norte). **Host plants** - *Baccharis* sp., *Iva hayesiana* A. Gray (Asteraceae).

Deltaspis ivae Beierl & Barchet-Beierl, 2000: 5, fig. 1; Monné, M.A., 2001b: 68 (cat. hosts); Monné, M.A., 2005: 599 (cat.); Monné, M.A. & Hovore, 2006: 142 (checklist);

Crossidius cruentus; Linsley, 1962a: 156 (*partim*).

Neoxoplus ivae; Eya, 2019: 23, 25, figs; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

Parevander Aurivillius, 1912

Parevander Aurivillius, 1912: 453; Linsley, 1961a: 632; 1961c: 7 (key spp.); Chemsak & Linsley, 1974a: 182; Monné, M.A., 1994b: 73 (cat.); Monné, M.A., 2005: 627 (cat.); 2012: 60; Monné, M.A. & Hovore, 2006: 148 (checklist);

Type-species - *Amphidesmus nietii* Guérin-Méneville, 1844 (subsequent designation, Monné, M.A., 1994b: 73).

Evander; Lacordaire, 1869: 160 (not Thomson, 1861); Bates, 1880: 71.

1. *Parevander hovorei* Giesbert, 1984

Type locality - Holotype male: Mexico, Tamaulipas: 51 km S Ciudad Victoria. (CASC).
Distribution - United States (central Texas), Mexico (Coahuila, Nuevo León, San Luis Potosí, Tamaulipas, Hidalgo). **Host plants** - *Helianthus* sp., *Verbesina* sp., *Viguiera* sp. (Asteraceae).

Parevander hovorei Giesbert, in Giesbert & Penrose, 1984: 59, figs 2, 2a; Hovore, Penrose & Neck, 1987: 299 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 85 (cat.); Monné, M.A., 1994b: 73 (cat.); Monné, M.A. & Giesbert, 1994: 149 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 415 (hosts); Monné, M.A., 2001b: 75 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Monné, M.A., 2005: 627 (cat.); Monné, M.A. & Hovore, 2006: 148 (checklist); Gutiérrez & Noguera, 2015: 145 (distr.); García Morales *et al.*, 2015: 106 (distr.); Zaragoza-Caballero & Pérez-Hernández, 2017: 37 (paratype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

2. *Parevander xanthomelas* (Guérin-Méneville, 1844)

Type locality - Holotype: Mexico. (Depository unknown). **Distribution** - United States (Texas), Mexico (Puebla, Morelos, Chiapas, Jalisco, Oaxaca), Guatemala, Honduras, Nicaragua. **Host plants** - *Lantana* sp. (Verbenaceae).

Amphidesmus xanthomelas Guérin-Méneville, 1844a: 258; 1844b: 3; White, 1853: 85; Horn, 1875: 150 (distr.).

Evander xanthomelas; Lacordaire, 1869: 161; Bates, 1880: 72 (distr.); 1885: 316 (distr.); Perkins & Swezey, 1924: 69 (biol.).

Evanda xanthomelas; Leng, 1886: 32 (error).

Parevander xanthomelas; Aurivillius, 1912: 453 (cat.); Linsley, 1942: 64; 1961c: 7; Hovore & Giesbert, 1976: 354 (distr.); Hovore, Penrose & Giesbert, 1978: 99 (hosts); Chemsak, Linsley & Noguera, 1992: 85 (cat.); Monné, M.A., 1994b: 73 (cat.); Monné, M.A. & Giesbert, 1994: 149 (checklist); Chemsak & Noguera, 1995: 63 (biol., distr.); Noguera & Chemsak, 1996: 402 (cat.); Maes, 1998: 906 (distr.); Monné, M.A., 2001b: 75 (cat. hosts); Toledo *et al.*, 2002: 529 (distr.); Turnbow, Cave & Thomas, 2003: 18 (distr.); Monné, M.A., 2005: 627 (cat.); Hovore, 2006: 374 (distr.); Monné, M.A. & Hovore, 2006: 148 (checklist); Noguera *et al.*, 2007: 312 (distr.); Swift *et al.*, 2010: 32 (distr.); Maes *et al.*, 2010: 602, 5 figs (distr.); MacRae, Bezark & Swift, 2012: 180; Noguera *et al.*, 2012: 621 (distr.);

Perarthrus LeConte, 1851

Perarthrus LeConte, 1851: 101; Thomson, 1861: 190; 1864: 200; 1865: 430; Lacordaire, 1869: 191; LeConte, 1873b: 316; LeConte & Horn, 1883: 301; Leng, 1886: 61; Casey, 1912: 333, 334; Bradley, 1930: 241; Linsley, 1962a: 92; Arnett, 1962: 863, 881; Monné, M.A., 1994b: 31 (cat.); Monné, M.A., 2005: 629 (cat.); Monné, M.A. & Hovore, 2006: 148 (checklist); Monné, M.A., 2012: 60.

Type-species - *Perarthrus vittatus* LeConte, 1851 (monotypy).

1. *Perarthrus linsleyi* (Knull, 1942)

Type locality - Holotype male: United States, Arizona: Phoenix. (FMNH). **Distribution** - United States (Arizona and southeastern California), Mexico (Baja California Norte). **Host plants** - *Encelia farinosa* A. Gray (Asteraceae).

Taranomis linsleyi Knull, 1942: 226; Chemsak, 1977a: 178 (type).

Perarthrus linsleyi; Linsley, 1962a: 94; Hurd & Linsley, 1975: 109 (biol.); Hovore, 1983: 381 (biol.); Goldsmith, 1987b: 317 (biol.); Chemsak, Linsley & Noguera, 1992: 85 (cat.); Monné, M.A., 1994b: 31 (cat.); Monné, M.A. & Giesbert, 1994: 149 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 416 (hosts); Monné, M.A., 2001b: 75 (cat. hosts); Monné, M.A., 2005: 629 (cat.); Monné, M.A. & Hovore, 2006: 148 (checklist); Bezark, 2018: 51 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

2. *Perarthrus vittatus* LeConte, 1851

Type locality - Holotype: United States, California: San Diego. (MCZN). **Distribution** - United States (California, San Diego, Riverside, Imperial Cos.), Mexico (Baja California Norte). **Host plants** - *Artemisia californica* Lessing, *A. tridentata* Nuttall, *Haplopappus venetus vernonioides* (Nuttall) Munz (Asteraceae).

Perarthrus vittatus LeConte, 1851: 102; White, 1853: 143; LeConte, 1858a: 40 (distr.); Thomson, 1864: 200; Lacordaire, 1869: 191; Leng, 1886: 120; Garnett, 1918: 208; Moore, 1937: 91 (distr.); Linsley, 1962a: 92, fig. 31; Hovore, 1988: 28; Chemsak, Linsley & Noguera, 1992: 85 (cat.); Monné, M.A., 1994b: 31 (cat.); Monné, M.A. & Giesbert, 1994: 149 (checklist); Noguera & Chemsak, 1996: 402 (cat.); Linsley & Chemsak, 1997: 416 (hosts); Monné, M.A., 2001b: 75 (cat. hosts); Monné, M.A., 2005: 629 (cat.); Monné, M.A. & Hovore, 2006: 148 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

***Pilostenaspis* Eya, 2015**

Pilostenaspis Eya, 2015: 399.

Type-species - *Crioprosopus lateralis* LeConte, 1884 (original designation).

1. *Pilostenaspis lateralis* (LeConte, 1884)

Type locality - United States, Texas: Bosque Co. Belfrage. (MCZN). **Distribution** - United States (Texas). **Host plants** - *Quercus grisea*, *Quercus mohriana* Buckley ex Rydberg (Fagaceae).

Crioprosopus lateralis LeConte, 1884: 22; Leng, 1886: 62; Linsley, 1962a: 102; Chemsak, Linsley & Noguera, 1992: 80 (cat.); Monné, M.A., 1994b: 38 (cat.); Monné, M.A. & Giesbert, 1994: 141 (checklist); Monné, M.A. & Hovore, 2006: 142 (checklist);

Pilostenaspis lateralis; Eya, 2015 : 400, figs 154-157; Heffern, Vlasák & Alten, 2018: 745 (distr.).

***Placoschema* Chemsak & Hovore, 2010**

Placoschema Chemsak & Hovore in Eya, 2010: 15; Monné, M.A., 2012: 60.

Type-species - *Placoschema dimorpha* Chemsak & Hovore, 2010 (original designation).

1. *Placoschema dimorpha* Chemsak & Hovore, 2010

Type locality - Holotype male: Mexico, Hidalgo: 4 mi W Pachuca. (SMEC). **Distribution** - United States (Arizona), Mexico (Hidalgo, Mexico, Chihuahua, Durango).

Placoschema dimorpha Chemsak & Hovore in Eya, 2010: 16, figs 11, 12; Huether & Huether, 2013: 264 (distr.); Huether & Huether, 2013:364 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

***Plionoma* Casey, 1912**

Plionoma Casey, 1912: 333, 334; Linsley, 1962a: 136; Arnett, 1962: 864, 882; Monné, M.A., 1994b: 60 (cat.); Monné, M.A., 2005: 632 (cat.); Monné, M.A. & Hovore, 2006: 149 (checklist); Monné, M.A., 2012: 60.

Type-species - *Sphenothecus suturalis* LeConte, 1858 (original designation).

Sphaenothecus; LeConte, 1873b: 316; LeConte & Horn, 1883: 301; Leng, 1886: 60; Casey, 1891: 33; Bradley, 1930: 241 (not Dupont, 1838).

1. *Plionoma rubens* (Casey, 1891)

Type locality - Lectotype male: United States, Southeastern Arizona. (USNM). **Distribution** - United States (Texas, California), northern Mexico and Baja California. **Host plants** - *Cercidium microphyllum* Rose & M. I. Johnston (Caesalpiniaceae), *Acacia greggii* A. Gray, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Sphenothecus rubens Casey, 1891: 34; Hamilton, 1892b: 160; Lingafelter *et al.*, 2014: 311, figs 145m, n (holotype).

Sphaenothecus suturalis var. *rubens*; Hamilton, in Leng & Hamilton, 1896: 171.

Plionoma rubens; Casey, 1912: 334; Linsley, 1942: 62; 1962a: 137, fig. 44; Hurd & Linsley, 1975: 109 (biol.); Chemsak, Linsley & Noguera, 1992: 85 (cat.); Monné, M.A., 1994b: 61

(cat.); Monné, M.A. & Giesbert, 1994: 149 (checklist); Noguera & Chemsak, 1996: 403 (cat.); Linsley & Chemsak, 1997: 422 (hosts); Monné, M.A., 2001b: 76 (cat. hosts); Monné, M. A., 2005: 632 (cat.); Monné, M.A. & Hovore, 2006: 149 (checklist); Lingafelter *et al.*, 2014 : 311, 369 ; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

2. *Plionoma suturalis* (LeConte, 1858)

Type locality - Holotype: United States, Texas: Rio Grande Valley. (MCZN). **Distribution** - United States (Texas), Mexico (Baja California Norte, Coahuila), Sonora). **Host plants** - *Acacia farnesiana* (Linnaeus) Willdenow, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae). *Simmondsia chinensis* (Link) C.K. Schneid. (Simmondsiaceae)

Sphenothecus suturalis LeConte, 1858a: 25.

Sphaenothecus suturalis; LeConte, 1873b: 316; Snow, 1883: 42 (distr.); Leng, 1886: 119, pl. 2, fig. 21; Casey, 1891: 34; Hamilton, 1892b: 160; Townsend, 1892: 39 (hosts); Griffith, 1900: 569 (distr.); Fall & Cockerell, 1907: 192 (distr.); Schaeffer, 1908: 328 (distr.); Garnett, 1918: 208 (distr.); Linsley & Martin, 1933: 181 (distr.); Moore, 1937: 91 (distr.).

Plionoma suturalis; Casey, 1912: 333; Vogt, 1949: 177; Linsley, Knull & Statham, 1961b: 21 (distr., hosts); Linsley, 1962a: 137; Hurd & Linsley, 1975: 109 (biol.); MacKay, Zak & Hovore, 1987: 365 (hosts); Hovore, Penrose & Neck, 1987: 298 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 85 (cat.); Monné, M.A., 1994b: 61 (cat.); Monné, M.A. & Giesbert, 1994: 149 (checklist); Noguera & Chemsak, 1996: 403 (cat.); Linsley & Chemsak, 1997: 422 (hosts); Monné, M.A., 2001b: 76 (cat. hosts); Monné, M.A., 2005: 632 (cat.); Monné, M.A. & Hovore, 2006: 149 (checklist); Noguera & Gutiérrez, 2016: 659 (distr.); Eya, 2019: 9; Perez & Toledo, 2020: 17; Vlasak & Vlasakova, 2021:4, 19; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

Plionoma degener Casey, 1912: 334; Lingafelter *et al.*, 2014: 51, figs 54a, b (holotype).

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

Purpuricenus Dejean 1821

Purpuricenus Dejean, 1821: 105; Germar, 1823: 500; Audinet-Serville, 1833: 568; Mulsant, 1839: 32; LeConte, 1850b: 10; Thomson, 1860: 190; Mulsant, 1862: 374; Thomson, 1864: 198, 429; Fairmaire *in* Jacquelin DuVal, 1864: 142; Lacordaire, 1869: 177; LeConte, 1873b: 314; Ganglbauer, 1881: 688; LeConte & Horn, 1883: 299; Leng, 1886: 81; Wickham, 1897a: 86; Gahan, 1906: 184; Schaufuss, 1916: 858; Planet, 1924: 186; Bradley, 1930: 241; Chagnon, 1938: 266; Knull, 1946: 230; Linsley, 1962a: 103; Hatch, 1971: 104; Monné, M.A., 1994b: 39 (cat.); MacRae, 2000: 138; Monné, M.A. & Hovore, 2006: 150 (checklist); Eya, 2015: 361; Bousquet, Laplante, Hammond & Langor, 2017: 75 (key spp.)

Type-species - *Cerambyx kaehleri* Linnaeus, 1767 (designations of Blanchard *in* Cuvier, 1849: 6, fig. 1 and Linsley, 1962a: 203)

Acanthoptera Latreille 1829:114.

Acanthopterus; Guérin-Méneville, 1844a: 224

Type-species - *Cerambyx budensis* Götze, 1783

Purpuricenus (Sternoplistes) Guérin-Méneville, 1844a: 224

Sternoplistes; Thomson, 1864: 198

Type-species - *Purpuricenus (Sternoplistes) temminckii* Guérin-Méneville, 1844 (monotypy).

Cyclodera White 1846: 510

Type-species - *Cyclodera quadrinotata* White, 1846 (monotypy).

Philagathes Thomson 1864: 196; Lacordaire, 1869: 169, 176

Type-species - *Philagathes laetus* Thomson, 1864 (original designation).

Porphyrocenus Reitter 1912: 34

Type-species - *Purpuricenus spectabilis* Motschulsky, 1857 (original designation).

1. *Purpuricenus axillaris* Haldeman 1847

Type locality - Lectotype male: United States, Pennsylvania. (MCZN). **Distribution** - Eastern North America, in Canada, southern Ontario. **Host plants** - *Carya alba* Koch, *C. glabra* (Miller) Sweet (Juglandaceae).

Purpuricenus axillaris Haldeman, 1847a: 31; LeConte, 1850b: 11; Bland, 1861: 94 (biol.); Lacordaire, 1869: 178; Henshaw, 1885: 98; Hamilton, 1890: 238; 1895: 368; Wolcott, 1900: 470; Blatchley, 1910: 1031; Fisher & Kirk, 1912: 311 (distr.); Britton, 1920: 270 (distr.); Craighead, 1923: 79 (larva); Blackman & Stage, 1924: 258 (biol.); Kirk & Knull, 1926: 41; Leonard, 1928: 449 (hosts); Frost & Dietrich, 1929: 427 (biol.); Alexander, 1958: 50; Bayer & Shenefelt, 1969: 16; Swan & Papp, 1972: 446; Rice, 1981: 460 (distr.); Chemsak, Linsley & Noguera, 1992: 85 (cat.); MacRae, 1993: 236 (distr.); Skillman, 1993: 210 (distr.); Monné, M.A., 1994b : 40 (cat.); Monné, M.A. & Giesbert, 1994: 150 (checklist); Linsley & Chemsak, 1997: 255, 257, 427 (hosts); Peck & Thomas, 1998: 117 (distr.); Schiefer, 1998: 120 (distr.); MacRae, 2000: 145 (rev.); Vlasák & Vlasakova, 2002: 212 (distr., hosts); Monné, M.A. & Hovore, 2006: 150 (checklist); Lingafelter, 2007: 66, 149, 2 figs, pl. 15, fig. 1; MacRae, 2009: 7, fig. 2; Haack, 2017: 113 (hosts); Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 75

Purpuricenus humeralis var. *axillaris*; Leng, 1886: 82; Bowditch, 1896: 34 (biol.); Ulke, 1903: 26 (distr.)

2. *Purpuricenus dimidiatus* LeConte 1884

Type locality - Holotype male: United States, California: Yreka. (MCZN). **Distribution** - Throughout the foothills and mountains of California and into southwestern Oregon. Northwestern and northeastern Oregon. **Host plants** - *Quercus agrifolia* Née, *Q. dumosa* Nuttall, *Q. john-tuckeri* K. C. Nixon & C. H. Muller, *Q. palmeri* Engelm., *Quercus vaccinifolia*, *Q. wislizenii* A. de Candolle, *Q. wislizenii* var. *frutescens* (Engelm.) E. Murray (Fagaceae), *Salix* sp. (Salicaceae).

Purpuricenus dimidiatus LeConte, 1884: 23; Henshaw, 1885: 98 (cat.); Leng, 1886: 82; Fall, 1901: 146 (distr.); Huguenin, 1909: 230 (biol.); Garnett, 1918: 207 (distr.); Moore, 1937: 91 (distr.); Linsley, 1962a: 104, figs 32, 34; Hatch, 1971: 104, pl. 10, fig. 7; Swan & Papp, 1972: 446, fig. 940; Penrose & Westcott, 1974: 236; Hovore & Giesbert, 1976: 352 (hosts); Skiles, Hovore & Giesbert, 1978: 107 (hosts); Chemsak, Linsley & Noguera, 1992: 85 (cat.); Monné, M.A., 1994b: 40 (cat.); Monné, M.A. & Giesbert, 1994: 150 (checklist); Solomon, 1995: 471, fig. 186; Linsley & Chemsak, 1997: 427 (hosts); MacRae, 2000: 140, figs 1, 2, 10 (distr., hosts); Monné, M.A. & Hovore, 2006: 150 (checklist); Swift, 2008a: 3 (distr., hosts); Vlasak & Vlasakova, 2021: 4, 19

3. *Purpuricenus humeralis* (Fabricius 1798)

Type locality - Holotype: America borealis. (ZMUC). **Distribution** - Eastern United States and southeastern Canada, it occurs from southern New Brunswick to southeastern Saskatchewan **Host plants** - *Acer rubrum* Linnaeus, *A. saccharum* Marshall (Aceraceae), *Alnus acuminata* Kunth, *A. incana* (Linnaeus) Moench, *Betula* sp. (Betulaceae), *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Robinia pseudoacacia* Linnaeus (Fabaceae), *Castanea dentata* (Marshall) Borkhausen, *Quercus ellipsoidal* E. J. Hill, *Quercus ilicifolia*, *Q. lyrata* Walter, *Q. palustris* Du Roi, *Q. rubra* Linnaeus (Fagaceae), *Carya alba* Koch, *C. ovata* (Miller) K. Koch (Juglandaceae), *Morus rubra* Linnaeus (Moraceae).

Cerambyx humeralis Fabricius, 1798: 143; 1801: 274; Schoenherr, 1817: 360; Zimsen, 1964: 165 (types).

Purpuricenus humeralis; Fitch, 1845: 254, pl. 3, fig. 2; Haldeman, 1847a: 31; LeConte, 1850b: 11; White, 1853: 139; Bland, 1861: 94 (distr., hosts); 1862: 276 (distr.); Horn, 1868: 124 (distr.); Lacordaire, 1869: 178; Popenoe, 1877: 33 (distr.); Lugger, 1884: 204 (hosts); Harrington, 1884: 72 (distr.); Leng, 1886: 82; 1886: s/p, pl. 2, fig. 11; Hopkins, 1893: 194 (biol.); Hamilton, 1895: 368 (distr.); Wickham, 1897a: 149; 1897b: 156; Smith, 1900: 289 (distr.); Dury, 1902: 159 (distr.); Ulke, 1903: 26, 50 (distr., hosts); Felt, 1906: 702 (hosts); Morris, 1908: 443 (biol.); Wickham, 1909a: 28 (distr.); Smith, 1910: 328; Blatchley, 1910: 1030; Fisher & Kirk, 1912: 311 (distr.); Frost, 1912: 307; Banks, 1912: 106; Johnson, 1916:

119 (distr.); Chagnon, 1917: 231 (distr.); Nicolay, 1919: 66 (distr.); Frost, 1920: 26 (biol.); Britton, 1920: 270 (distr.); Craighead, 1923: 79 (larva); Champlain & Kirk, 1926: 290; Kirk & Knull, 1926: 41 (biol.); Leonard, 1928: 449 (distr.); Ware, 1929: 368 (distr.); Frost & Dietrich, 1929: 427 (biol.); Champlain & Knull, 1932: 257; Knull, 1932: 63; 1946: 230; Beaulne, 1932: 203 (hosts); Sherman, 1946: 127 (distr.); Dillon & Dillon, 1961: 606, pl. 50, No. 8; Chagnon & Robert, 1962: 266, Linsley, 1962: 106, fig. 34; Bayer & Shenefelt, 1969: 26, fig. 25; Swan & Papp, 1972: 446, fig. 939; Gosling, 1973: 71 (distr.); Stein & Tigestad, 1976: 33 (distr.); Laliberté, Chantal & LaRoche, 1977: 97 (hosts); Turnbow & Franklin, 1980: 341 (distr.); Papp, 1984: 210, fig. 704; Monné, M.A., 1994b: 71 (cat.); Monné, M.A. & Giesbert, 1994: 144 (checklist); Chemsak, Linsley & Noguera, 1992: 85 (cat.); MacRae, 1993: 236 (distr., hosts); Monné, M.A., 1994b: 40 (cat.); Monné, M.A. & Giesbert, 1994: 150 (checklist); Yanega, 1996: 126, pl. 19, fig. 224; Linsley & Chemsak, 1997: 427 (hosts); MacRae, 2000: 155, figs. 7, 13; Vlasák & Vlasakova, 2002: 212 (distr., hosts); Monné, M.A. & Hovore, 2006: 150 (checklist); Lingafelter, 2007: 66, 149, 2 figs, pl. 15, fig. h; MacRae, 2009: 6, 1 fig.; Guarnieri, 2009: 18 (distr.); Webster, McCorquodale & Majka, 2009: 299 (distr.); McCorquodale, 2010: 469 (distr.); Holt, 2013: 250 (distr.); Hart, Cope & Ivie, 2013: 136; Steury & MacRae, 2014: 11 (distr.); Webster, 2016: 488; Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 75, pl.13; Vlasak & Vlasakova, 2021: 4, 19

4. *Purpuricen*s *linsleyi* Chemsak 1961

Type locality - Holotype female: United States, Texas. (MCZN). **Distribution** - From north-central to south-central Texas.

*Purpuricen*s *linsleyi* Chemsak, 1961: 184; Linsley, 1962a: 107; Chemsak, Linsley & Noguera, 1992: 85 (cat.); Monné, M.A., 1994b: 40 (cat.); Monné, M.A. & Giesbert, 1994: 154 (checklist); MacRae, 2000: 163; 2001: 281 (type); Monné, M.A. & Hovore, 2006: 150 (checklist); MacRae & Rice, 2007: 242 (holotype); Eya, 2021: 14

5. *Purpuricen*s *opacus* (Knull 1937)

Type locality - Holotype male: United States, Texas: Davis Mts. (FMNH). **Distribution** - Davis Mountains of western Texas. **Host plants** - *Quercus* sp. (Fagaceae).

Tragidion opacum Knull, 1937b: 306; Chemsak, 1977a: 178 (types).

*Purpuricen*s *opacus*; Knull, 1954:159; Linsley, 1962a: 105; Chemsak, Linsley & Noguera, 1992: 85 (cat.); Monné, M.A., 1994b: 40 (cat.); Monné, M.A. & Giesbert, 1994: 150 (checklist); MacRae, 2000: 143, figs 3, 4, 10 (rev.); Monné, M.A. & Hovore, 2006: 150 (checklist); Heffern, Vlasák & Alten, 2018: 746 (hosts).

6. *Purpuricen*s *paraxillaris* MacRae 2000

Type locality - Holotype male: United States, Missouri: Jefferson County, Victoria Glades (Natural Area, 3.8 km SE of Hillsboro. (MCZN). **Distribution** - Eastern United States. District of Columbia, Florida, Illinois, Indiana, Louisiana, Maryland, Missouri, New Jersey, New York, Ohio, Oklahoma, Pennsylvania, Tennessee, Texas, Virginia. **Host plants** - *Castanea dentata* (Marshall) Borkhausen, *Quercus alba* Linnaeus, *Q. bicolor* Willdenow, *Q. coccinea* Münchhausen, *Q. prinus* Linnaeus, *Q. rubra* Linnaeus, *Q. stellata* Wangenheim, *Q. velutina* Lamarck (Fagaceae).

*Purpuricen*s *paraxillaris* MacRae, 2000: 150, figs 6, 12; Monné, M.A. & Hovore, 2006: 149 (checklist); MacRae & Rice, 2007: 242 (distr., hosts); MacRae, 2009: 8, fig. 3; Guarnieri, 2009: 18 (distr.); Holt, 2013: 250 (distr.); Klingeman *et al.*, 2017: 297 (distr.); Steury, 2019: 30 (distr.)

*Purpuricen*s *axillaris*; Lugger, 1884: 204 (biol.); Smith, 1900: 289; 1910: 328; Champlain, 1922: 96; Champlain, Kirk & Knull, 1925: 139 (biol.); Knull, 1932: 64 (biol.); 1934: 210 (biol.); 1946: 230, pl. 18, fig. 72; Linsley, 1962a: 105, figs 33, 34; Rice, Turnbow & Hovore, 1985: 21 (distr.); Yanega, 1996: 126, figs 222a,b; Linsley & Chemsak, 1997: 259,276,318, 320, 322 (hosts) (not Haldeman, 1847).

***Rhodoleptus* Linsley, 1962**

Rhodoleptus Linsley, 1962a: 123; Arnett, 1962: 863, 881; Chemsak & Linsley, 1982b: 390 (rev.); Giesbert, 1993b: 149 (key spp.); Monné, M.A., 1994b: 55 (cat.); Monné, M.A., 2005: 639 (cat.); Monné, M.A. & Hovore, 2006: 150 (checklist); Monné, M.A., 2012: 61.

Type-species - *Metaleptus femoratus* Schaeffer, 1909 (original designation).

1. *Rhodoleptus femoratus* (Schaeffer, 1909)

Type locality - Syntypes male and female: United States, Arizona: Baboquivari Mts. (USNM). **Distribution** - United States (Gulf of California to southern Arizona), Mexico (Baja California, Sonora, Sinaloa). **Host plants** - *Coursetia microphylla* A Gray (Fabaceae).

Metaleptus femoratus Schaeffer, 1909b: 384; 1911: 124; Linsley, 1934d: 61 (distr.); 1942: 60; Lingafelter *et al.*, 2014: 61, figs 65q, r (holotype).

Rhodoleptus femoratus; Linsley, 1962a: 123; Chemsak & Linsley, 1982b: 391; Cope, 1984a: 34 (hosts); Chemsak, Linsley & Noguera, 1992: 85 (cat.); Monné, M.A., 1994b: 53 (cat.); Monné, M.A. & Giesbert, 1994: 151 (checklist); Noguera & Chemsak, 1996: 403 (cat.); Linsley & Chemsak, 1997: 428 (hosts); Monné, M.A., 2001b: 78 (cat. hosts); Monné, M.A., 2005: 639 (cat.); Monné, M.A. & Hovore, 2006: 150 (checklist); Lingafelter *et al.*, 2014: 61, fig. 65q (syntype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021: 481

Metaleptus gracilior Fall, 1909: 164.

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

***Schizax* LeConte 1873**

Schizax LeConte, 1873a: 195; 1873b: 315; LeConte & Horn, 1883: 301; Leng, 1886: 60; Bradley, 1930: 241; Linsley, 1962a: 135; Arnett, 1962: 864, 882; Monné, M.A., 1994b: 60 (cat.); Monné, M.A. & Hovore, 2006: 150 (checklist);

Type-species - *Schizax senex* LeConte, 1873 (monotypy).

1. *Schizax senex* LeConte 1873

Syntypes locality - Syntypes male and female: United States, Arizona. (MCZN).

Distribution - United States (Arizona and southern California). **Host plants** - *Chilopsis saligna* D. Don (Bignoniaceae), *Cercidium floridum* Benthams ex A. Gray, *C. microphyllum* Rose & I.M. Johnston (Caesalpiniaceae), *Celtis reticulata* Torrey (Cannabaceae), *Gossypium* sp. (Malvaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Zizyphus* sp. (Rhamnaceae), *Larrea divaricata tridentata* (DC) Felder & Lowe (Zygophyllaceae).

Schizax senex LeConte, 1873a: 196; 1873b: 316; LeConte & Horn, 1883: 301; Leng, 1886: 118, pl. 2., fig. 7; Townsend, 1892: 39 (hosts); 1895: 47 (distr.); Beutenmuller, 1896: 76 (hosts); Fall & Cockerell, 1907: 192 (distr.); Martin, 1919: 231 (biol.); Middlebrook, 1923: 17 (biol.); Essig, 1926: 458; Knull, 1944: 92 (biol.); Linsley, 1962a: 135, fig. 43; MacKay, Zak & Hovore, 1987: 365 (distr.); Chemsak, Linsley & Noguera, 1992: 85 (cat.); Monné, M.A., 1994b: 60 (cat.); Monné, M.A. & Giesbert, 1994: 151 (checklist); Linsley & Chemsak, 1997: 432 (hosts); Monné, M.A. & Hovore, 2006: 150 (checklist); Swift, 2008a: 4 (hosts); Eya, 2019: 9, fig. 11

Schizax senax; Craighead, 1923: 80 (larva, error).

***Sphaenothecus* Dupont, 1838**

Sphaenothecus Dupont, 1838: xii, 55, pl. 224, fig. 16; Thomson, 1861: 209; Lacordaire, 1869: 184; Girard, 1873: 722; Casey, 1912: 333; Monné, M.A., 1994b: 63 (cat.); Chemsak & Noguera, 1998: 12 (rev.); Monné, M. A., 2005: 640 (cat.); Monné, M.A. & Hovore, 2006: 151 (checklist); Monné, M.A., 2012: 61.

Sphenotheucus; White, 1853: 85; Bates, 1880: 84.

Sphaenothecus; Thomson, 1864: 205.

Type-species - *Sphaenothecus tomentosus* Dupont, 1838 (subsequent designation, Thomson, 1864: 205) [= *Sphaenothecus trilineatus* Dupont, 1838].

Ischnocnemis; LeConte, 1873b: 316; LeConte & Horn, 1883: 201 (not Thomson, 1864).

Taranomis Casey, 1912: 333, 334; Arnett, 1962: 863, 888; Linsley, 1962a: 95.

Type-species - *Sphaenothecus bivittatus* Dupont, 1838 (original designation) [= *Leptocera bilineata* Gory, 1831].

1. *Sphaenothecus bilineatus* (Gory, 1831)

Type locality - Holotype male: Mexico. (Depository unknown). **Distribution** - United States (Southern California to Texas), Mexico (Baja California, Coahuila, Jalisco, Morelos, Chiapas, Oaxaca, Sonora, Tamaulipas, Hidalgo), Honduras, Nicaragua. **Host plants** - *Baccharis* sp. (Asteraceae), *Cassia* sp. (Caesalpinaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *Leucaena pulverulenta* (Schlechtendal) Benth, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Ficus* sp. (Moraceae), *Coffea arabica* Linnaeus (Rubiaceae), *Ulmus crassifolia* Nuttall (Ulmaceae).

Leptocera bilineata Gory, in Guérin-Méneville, 1831: pl. 45, fig. 9; Laporte, 1840: 490, pl. 34, fig. 4.

Cerambyx bilineatus; Berge, 1844: 126, pl. 13, fig. 2.

Taranomis bilineata bilineata; Monné, M.A., 1994b: 32 (cat.).

Sphaenothecus bilineatus; Monné, M.A., 2001b: 78 (cat. hosts); Monné, M.A., 2005: 641 (cat.); Monné, M.A. & Hovore, 2006: 150 (checklist); Noguera & Gutiérrez, 2016: 659 (distr.); Eya, 2019: 5, figs 12,14 ; Wappes & Santos-Silva, 2020: 11, figs 23-25/; Perez & Toledo, 2020: 17; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

Sphaenothecus bivittatus Dupont, 1838: 58, pl. 220, fig. 1; Guérin-Méneville, 1844a: 250; Lacordaire, 1869: 184; Girard, 1873: 722; 1885: pl. 56, fig. 9; Casey, 1891: 34; Linsley, 1934d: 61 (distr.); Saalas, 1936: 111; Chemsak & Noguera, 1998: 15; Toledo *et al.*, 2002: 529 (distr.); Noguera *et al.*, 2002: 624 (distr.); Turnbow, Cave & Thomas, 2003: 18 (distr.); Ray, Lacey & Hanks, 2006: 546 (pheromones); Monné, M.A. & Hovore, 2006: 151 (checklist); Noguera *et al.*, 2007: 312 (distr.); Noguera *et al.*, 2009: 88 (distr.); Maes *et al.*, 2010: 608, 5 figs (distr.); Noguera *et al.*, 2012: 621 (distr.); García Morales *et al.*, 2015: 106 (distr.); Eya, 2019: 5, figs. 12, 14

Sphenothecus bivittatus; White, 1853: 86; LeConte, 1858a: 40 (distr.); Bates, 1880: 84; 1885: 329 (distr.).

Ischnocnemis bivittatus; LeConte, 1873b: 316; LeConte & Horn, 1883: 301; Leng, 1886: pl. 3, fig. 22; Griffith, 1900: 569 (distr.); Fall, 1901: 146 (distr.); Townsend, 1903: 77 (distr.); Schaeffer, 1908: 328 (distr.).

Taranomis bivittata; Casey, 1912: 333; Linsley, 1942: 63; Vogt, 1949: 177 (distr.); Duffy, 1960: 109, fig. 1 (larva); Linsley, Knull & Statham, 1961b: 21 (distr.); Linsley, 1962a: 95; Rogers, 1977a: 227 (hosts); Chemsak, Linsley & Mankins, 1980: 33 (distr.); Maes & Tellez Robleto, 1988: 71 (hosts).

Taranomis bivittata bivittata; Linsley, 1962a: 95; Turnbow & Wappes, 1978: 368 (hosts); MacKay, Zak & Hovore, 1987: 364 (hosts); Hovore, Penrose & Neck, 1987: 296 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 86 (cat.); Monné, M.A. & Giesbert, 1994: 152 (checklist); Chemsak & Noguera, 1995: 64 (biol.); Noguera & Chemsak, 1996: 403 (cat.); Linsley & Chemsak, 1997: 441 (hosts) Maes, 1998: 907 (distr.).

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

Taranomis cylindricollis Casey, 1924: 267; Lingafelter *et al.*, 2014: 49, figs 52m, n (holotype).

Taranomis bivittata cylindricollis; Linsley, 1962a: 96; Linsley & Chemsak, 1997: 441 (hosts).

Taranomis bilineata cylindricollis; Monné, M.A., 1994b: 32 (cat.).

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

Taranomis nematocera Casey, 1924: 268; Lingafelter *et al.*, 2014: 104, figs 115i, j (holotype).

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

2. *Sphaenothecus trilineatus* Dupont, 1838

Type locality - Holotype male: Mexico, Oaxaca. (MNHN). **Distribution** - United States (Southern Texas), Mexico (Sinaloa, Jalisco, Michoacán, Veracruz, Guerrero, Morelos, Oaxaca, Puebla, Chiapas), Honduras. **Host plants** - *Spondias purpurea* Linnaeus

(Anacardiaceae), *Caesalpinia eriostachys* Bentham, *C. platyloba* S. Watson, *Delonix regia* (Hooker) Rafinesque-Schmalz, *Senna wislizeni* (A. Gray) H.S.Irwin & Barneby (Caesalpinaceae), *Ipomoea pauciflora* M. Martens & Galeotti (Convolvulaceae), *Lonchocarpus magallanesii* M. Souza S. (Fabaceae), *Amphipterygium adstringens* (Schlechtendal) Standley (Julianaceae), *Ceiba pentandra* (Linnaeus) Gaertner, *Pseudobombax* sp. (Malvaceae), *Acacia angustissima* (Miller) Kuntze, *A. cochliacantha* Humboldt & Bonpland ex Willdenow, *A. farnesiana* (Linnaeus) Willdenow, *A. filicina* Willdenow (Mimosaceae), *Citrus* sp. (Rutaceae).

Sphaenothecus trilineatus Dupont, 1838: 57, pl. 219, fig. 2; Lacordaire, 1869: 184; Casey, 1912: 333; Linsley, 1935a: 100 (distr.); Chemsak, Linsley & Mankins, 1980: 33 (distr.); Maes & Tellez Robleto, 1988: 67 (hosts); Chemsak, Linsley & Noguera, 1992: 86 (cat.); Monné, M.A., 1994b: 64 (cat.); Monné, M.A. & Giesbert, 1994: 151 (checklist); Chemsak & Noguera, 1995: 64 (hosts, distr.); Noguera & Chemsak, 1996: 403 (cat.); Chemsak & Noguera, 1998: 23, pl. 7; Monné, M.A., 2001b: 79 (cat.); Toledo *et al.*, 2002: 529 (distr.); Noguera *et al.*, 2002: 624 (distr.); Turnbow, Cave & Thomas, 2003: 18 (distr.); Monné, M. A., 2005: 642 (cat.); Monné, M.A. & Hovore, 2006: 151 (checklist); Noguera *et al.*, 2007: 312 (distr.); MacRae, Bezark & Swift, 2012: 181; López-Martínez *et al.*, 2015: 780 (hosts); Luna-León. 2015: 838 (distr.); Hernández-Cardenas *et al.*, 2016: 497 (distr.); Vargas-Cardozo *et al.*, 2018: 95 (distr.); Eya, 2019: 5, fig. 8; Martínez Fernández, 2019: 19. fig. b; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

Sphaenothecus trilineatus; White, 1853: 85; Bates, 1880: 84 (distr.); 1885: 329 (distr.).

Sphaenothecus tomentosus Dupont, 1838: 56, pl. 219, fig. 1; Lacordaire, 1869: 184; Casey, 1912: 333.

Sphaenothecus tomentosus; White, 1853: 85; Bates, 1880: 84 (distr.); 1885: 328 (distr.).

Type locality - Holotype male: Mexico, Oaxaca. (BMNH).

Sphaenothecus trilineatus var. *lateralis* Bates, 1885: 329.

Type locality - Holotype: Mexico. (BMNH).

***Stenaspis* Audinet-Serville, 1834**

Stenaspis Audinet-Serville, 1834b: 51; Dupont, 1838: xii, 50, pl. 224, fig. 14; Laporte, 1840: 419; Blanchard, 1845: 415; LeConte, 1854a: 441 (syn.); Strauch, 1861: 127; Thomson, 1861: 208; 1864: 208; 1865: 434; Lacordaire, 1869: 171; Chenu, 1870: 311; LeConte, 1873b: 314; Bates, 1880: 76; LeConte & Horn, 1883: 299; Leng, 1886: 60; Bradley, 1930: 241; Linsley, 1962a: 98; Arnett, 1962: 863, 881; Monné, M.A., 1994b: 34 (cat.); Monné, M.A., 2005: 642 (cat.); Monné, M.A. & Hovore, 2006: 151 (checklist); Monné, M.A., 2012: 62.

Type-species - *Stenaspis verticalis* Audinet-Serville, 1834 (monotypy).

Smileceras LeConte, 1850b: 8; Thomson, 1864: 208.

Type-species - *Cerambyx solitarius* Say, 1824 (monotypy).

1. *Stenaspis solitaria* (Say, 1824)

Type locality - Holotype male: Upper Arkansa. (Depository unknown). **Distribution** - Southwestern United States to South Texas, Mexico (Baja California, Sonora, Durango). **Host plants** - *Canotia holacantha* Torrey (Celastraceae), *Acacia berlandieri* Bentham, *Mimosa dysocarpa*, *Mimosa aculeaticarpa* Ortega, *Prosopis juliflora* (Swartz) de Candolle, *Vachellia constricta* (Mimosaceae).

Cerambyx solitarius Say, 1824: 410; LeConte, 1859c: 191.

Callichroma solitaria; Haldeman, 1847a: 32.

Smileceras solitarius; LeConte, 1850b: 9; White, 1853: 143; Thomson, 1864: 208.

Stenaspis solitaria; LeConte, 1854a: 441; 1858a: 25 (distr.); 1859c: 20, pl. 2, fig. 14; 1859b: 127; Lacordaire, 1869: 171; Bates, 1880: 76 (distr.); Snow, 1883: 42 (distr.); Bates, 1885: 321 (distr.); Leng, 1886: 62, pl. 3, fig. 8; Horn, 1894: 338 (distr.); Townsend, 1895: 47 (distr.); Wickham, 1898a: 22 (distr.); Fall & Cockerell, 1907: 192 (distr.); Schaeffer, 1908: 330 (distr.); Grossbeck, 1912: 325 (distr.); Garnett, 1918: 207 (distr.); Linsley, 1934d: 60 (distr.); 1942: 59; Vogt, 1949: 177 (biol.); Spieth, 1950: fig. 36; Linsley, Knull & Statham, 1961b: 21, fig. 14; Linsley, 1962a: 99; Linsley & Cazier, 1962: 745, figs 1, 2 (biol.); MacKay, Zak

& Hovore, 1987: 364 (hosts); Hovore, Penrose & Neck, 1987: 297 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 86 (cat.); Monné, M.A., 1994b: 35 (cat.); Monné, M.A. & Giesbert, 1994: 152 (checklist); Noguera & Chemsak, 1996: 403 (cat.); Linsley & Chemsak, 1997: 434 (hosts); Monné, M.A., 2001b: 79 (cat. hosts); Monné, M.A., 2005: 643 (cat.); Monné, M.A. & Hovore, 2006: 151 (checklist); Swift, 2008a: 4 (distr., hosts); Noguera *et al.*, 2009: 89 (distr.); Perez & Toledo, 2020: 17 (distr.); Eya, 2021: 13, 18, figs; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

Stenaspis unicolor Dupont, 1840: 11, pl. 38; White, 1853: 78; Lacordaire, 1869: 171.

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

Stenaspis lugubris Casey, 1912: 318; Lingafelter *et al.*, 2014: 93, figs 102g, h (lect. designation).

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

2. *Stenaspis verticalis verticalis* Audinet-Serville, 1834

Syntypes locality - Syntypes male: Mexico. (BMNH). **Distribution** – United States (Southern Texas and Arizona), Mexico (Sonora, Jalisco, Veracruz, Morelos, Guerrero, Puebla, Tamaulipas, Hidalgo, Durango), Guatemala, Honduras, Nicaragua.

Stenaspis verticalis Audinet-Serville, 1834b : 52; Dupont, 1838: 51, pl. 216, fig. 1; Laporte, 1840: 419; Guérin- Méneville, 1844: 218 (syn.); White, 1853: 78 (syn.); Strauch, 1861: 127; Thomson, 1864: 208; Lacordaire, 1869: 171; Chenu, 1870: 311; Bates, 1880: 76; 1885: 321; Leng, 1886: 62; Townsend, 1895: 47; Fall & Cockerell, 1907: 192 (distr.); Casey, 1912: 319; Perkins & Swezey, 1924: 51 (biol.); Smyth, 1934: 117 (biol.); Linsley, 1962a: 98; Monné, M.A., 1994b: 35 (cat.); Monné, M.A. & Giesbert, 1994: 152 (checklist); Chemsak, Linsley & Mankins, 1980: 33 (distr.); Chemsak, Linsley & Noguera, 1992: 86 (cat.); Chemsak & Noguera, 1995: 64 (biol., distr.); Noguera & Chemsak, 1996: 403 (cat.); Noguera *et al.*, 2002: 624 (distr.); Turnbow, Cave & Thomas, 2003: 18 (distr.); Monné, M.A., 2005: 643 (cat.); Hovore, 2006: 374 (distr.); Noguera *et al.*, 2007: 312 (distr.); García Morales *et al.*, 2015: 106 (distr.); Eya, 2021: 14, 21, figs

Stenaspis verticalis verticalis; Monné, M.A., 1994b: 35 (cat.); Monné, M.A. & Hovore, 2006: 151 (checklist); Maes *et al.*, 2010: 614, 2 figs (distr.); Noguera & Gutiérrez, 2016: 659 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 481

Trachyderes superbus Newman, 1838: 493.

Type locality - Holotype: Mexico. (BMNH).

2a. *Stenaspis verticalis arizonicus* Casey, 1912

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

Distribution - United States (Southern Arizona). **Host plants** – *Baccharis sarothroides* A. Gray (Asteraceae).

Stenaspis arizonicus Casey, 1912: 318

Stenaspis verticalis arizonicus; Linsley, 1962a: 99; Chemsak, Linsley & Noguera, 1992: 86 (cat.); Monné, M.A., 1994b: 35 (cat.); Monné, M.A. & Giesbert, 1994: 152 (checklist); Monné, M.A. & Hovore, 2006: 151 (checklist); Lingafelter *et al.*, 2014: 20, fig. 20c (holotype); Heffern, Vlasák & Alten, 2018: 746 (hosts); Eya, 2021: 24, figs

2b. *Stenaspis verticalis insignis* Casey, 1924

Type locality - Holotype female: United States, Texas: Comal Co. (USNM). **Distribution** - United States (Southcentral Texas), northern Mexico.

Stenaspis insignis Casey, 1924: 262; Vogt, 1949: 177 (distr.); Lingafelter *et al.*, 2014: 80, figs 87s, t (holotype).

Stenaspis verticalis insignis; Linsley, 1962a: 99; Hovore, Penrose & Neck, 1987: 297 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 86 (cat.); Monné, M.A., 1994b: 35 (cat.); Monné, M.A. & Giesbert, 1994: 152 (checklist); Monné, M.A., 2005: 644 (cat.); Monné, M.A. & Hovore, 2006: 151 (checklist); Eya, 2021: 24, figs

***Tragidion* Audinet-Serville, 1834**

Tragidion Audinet-Serville, 1834a: 541; 1834b: 89; Laporte, 1840: 452; LeConte, 1850b: 10; Strauch, 1861: 130; Thomson, 1861: 190; 1864: 199; 1865: 429; Lacordaire, 1869: 173; LeConte, 1873b: 314; Bates, 1880: 77; LeConte & Horn, 1883: 299; Leng, 1886: 60, 81; Casey, 1893: 586 (key spp.); Hamilton, *in* Leng & Hamilton, 1896: 169; Blatchley, 1910: 1030; Casey, 1912: 321; Bradley, 1930: 241; Linsley, 1940d: 135; Knull, 1946: 229; Linsley, 1962a: 111; Arnett, 1962: 863, 881; Hatch, 1971: 104; Monné, M.A., 1994b: 52 (cat.); Monné, M.A., 2005: 653 (cat.); Monné, M.A. & Hovore, 2006: 152 (checklist); Swift & Ray, 2008: 1 (rev.); Monné, M.A., 2012: 62.

Type-species - *Cerambyx coquus* Linnaeus, 1758 (monotypy).

Trichoscelis Bates, 1885: 324.

Type-species - *Tragidion bicolor* Bates, 1885 (monotypy).

1. *Tragidion agave* Swift & Ray, 2008

Type locality - Neotype male: United States, California: Riverside County. (USNM).

Distribution - United States and Mexico (Mountains of southern California including the San Jacinto, Santa Rosa, and Laguna Mountains, as well as the San Pedro Martir Mountains of northern Baja California). **Host plants** - *Agave deserti* Engelman (Agavaceae).

Tragidion agave Swift & Ray, 2008: 7, figs 1A-B, 7A-B, 7A; Lingafelter et al., 2014: 10, figs 10g, h (neotype); Haack, 2017: 111 (hosts);

2. *Tragidion annulatum* LeConte, 1858

Type locality - Holotype male: Mexico, Sonora. (MCZN). **Distribution** - United States (Texas, Arizona), Mexico (Sonora, Baja California). **Host plants** - *Rhus integrifolia* Nuttall, *R. ovata* Watson (Anacardiaceae), *Baccharis sergiloides* Gray (Asteraceae), *Quercus agrifolia* Née, *Q. chrysolepis* Liebmann, *Q. dumosa* Nuttall (Fagaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Adenostoma fasciculatum* Hooker & Arnott, *Heteromeles arbutifolia* (Aiton) M. Roemer (Rosaceae).

Tragidion annulatum LeConte, 1858b: 83; Lacordaire, 1869: 174; LeConte, 1873b: 314; Popenoe, 1877: 33 (distr.); Bates, 1880: 77; Snow, 1883: 42 (distr.); Leng, 1886: 81, pl. 3, fig. 10; Horn, 1894: 338 (distr.); Townsend, 1895: 47; Fall & Cockerell, 1907: 192 (distr.); Schaeffer, 1908: 330, 339; Garnett, 1918: 207 (distr.); Linsley, 1934d: 61 (distr.); Linsley, 1962a: 116, fig. 37; Chemsak, Linsley & Noguera, 1992: 87 (cat.); Monné, M.A., 1994b: 52 (cat.); Monné, M.A. & Giesbert, 1994: 154 (checklist); Noguera & Chemsak, 1996: 403 (cat.); Linsley & Chemsak, 1997: 445 (hosts); Monné, M.A., 2001b: 82 (cat. Hosts); Monné, M.A., 2005: 653 (cat.); Monné, M.A. & Hovore, 2006: 152 (checklist); Swift & Ray, 2008: 10, figs 1C-D, 7C. (syn.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 482

Tragidion annulatum var. *peninsulare* Schaeffer, 1908: 339; Lingafelter et al., 2014: 17, figs 16w, x (holotype, available).

Type locality - Holotype: Mexico, Baja California: San Felipe. (USNM).

Tragidion peninsulare; Casey, 1912: 321; Linsley, 1940d: 137; 1942: 60; 1962a: 118; Chemsak, Linsley & Noguera, 1992: 88 (cat.); Noguera & Chemsak, 1996: 403 (cat.).

Tragidion peninsulare peninsulare; Linsley, 1940d: 135; 1942: 60; 1962a: 118, fig. 37; Linsley & Chemsak, 1997: 446 (hosts); Monné, M.A., 2001b: 83 (cat., hosts); Monné, M.A., 2005: 654 (cat.); Monné, M.A. & Hovore, 2006: 153 (checklist);

Tragidion annulatum; Casey, 1893: 856; Hamilton, *in* Leng & Hamilton, 1896: 196; Fall, 1901: 146 (not LeConte, 1858).]

Tragidion peninsulare californicum Linsley, 1940d: 137; 1962a: 118; Hovore & Giesbert, 1976: 353 (hosts); Chemsak, Linsley & Noguera, 1992: 88 (cat.); Linsley & Chemsak, 1997: 445 (hosts); Monné, M.A. & Hovore, 2006: 153 (checklist);

Tragidion californicum; Hatch, 1971: 104;

Type locality - Holotype female: United States, California: Kern County, Paradise Valley, Kings River. (CACS).

Tragidion annulatum; Casey, 1893: 856; Hamilton, in Leng & Hamilton, 1896: 196; Fall, 1901: 146 (not LeConte, 1858).

3. *Tragidion armatum* LeConte, 1858

Syntypes locality - Syntypes: United States, New Mexico-Texas: Llano Estacado. (MCZN).

Distribution - United States (western Texas to southern California), Mexico (Baja California, Sonora, Chihuahua). **Host plants** - *Agave deserti* Engelm., *A. palmeri* Engelm., *Dasylyrion* sp., *Yucca angustifolia* Pursh, *Y. baccata* Torrey, *Y. brevifolia* Engelm., *Y. elata* Engelm., *Y. glauca* Nuttall ex Fraser, *Y. schidigera* Ortgies, *Y. whipplei* Torrey (Agavaceae).

Tragidion armatum LeConte, 1858a: 25; 1873b: 314; LeConte & Horn, 1883: 299; Leng, 1886: 81; Townsend, 1892: 39 (biol.); Casey, 1893: 586; Hamilton in Leng & Hamilton, 1896: 169; Beutenmuller, 1896: 76 (hosts); Fall, 1901: 146; Fall & Cockerell, 1907: 192 (distr.); Casey, 1912: 324; Garnett, 1918: 207 (distr.); Craighead, 1923: 79, pl. 27, fig. 3 (larva); Hicks, 1929: 2 (biol.); Park, 1932: 18, fig. 1; Linsley, 1940d: 135; 1942: 60; Linsley, Knull & Statham, 1961b: 23; Linsley, 1962a: 119; Stein & Tigestad, 1976: 44, fig. 19 (biol.); Chemsak, Linsley & Noguera, 1992: 87 (cat.); Monné, M.A. & Hovore, 2006: 152 (checklist); Swift & Ray, 2008: 13, figs 1E-F, 6A (syn.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 482

Phoenicus ? armatum; Lacordaire, 1869: 174.

Tragidion armatum armatum; Linsley, 1962a: 119; Tyson, 1966: 207 (hosts); Chemsak & Powell, 1966: 36, figs 1-3 (biol.); MacKay, Zak & Hovore, 1987: 374 (hosts); Monné, M.A., 1994b: 52 (cat.); Monné, M.A. & Giesbert, 1994: 154 (checklist); Noguera & Chemsak, 1996: 403 (cat.); Linsley & Chemsak, 1997: 445 (hosts); Monné, M.A., 2001b: 83 (cat. hosts); Monné, M.A., 2005: 653 (cat.); Monné, M.A. & Hovore, 2006: 153 (checklist);

Tragidion texanum Schaeffer, 1932: 152.

Syntypes locality - Syntypes female: United States, Texas: El Paso. (AMNH).

Tragidion armatum brevipenne Linsley, 1957c: 33; Chemsak, Linsley & Noguera, 1992: 87 (cat.); Linsley & Chemsak, 1997: 45 (hosts); Monné, M.A. & Hovore, 2006: 153 (checklist);

Type locality - Holotype male: United States, California: San Bernardino Co., Daggett (CACS).

4. *Tragidion auripenne* Casey, 1893

Type locality - Lectotype male: United States, Southwestern Utah. (USNM). **Distribution** - Four Corners region of the southwestern USA on the Colorado Plateau in southern Utah and Colorado, northern Arizona and northwestern New Mexico. **Host plants** - *Celtis reticulata* Torrey (Cannabaceae), *Quercus turbinella* Greene (Fagaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Bumelia lanuginosa* (Michaux) (Sapotaceae).

Tragidion auripenne Casey, 1893: 587; Hamilton in Leng, 1896: 169; Casey, 1912: 322; 1924: 264; Linsley, 1962a: 115; Hovore & Giesbert, 1976: 352; Lewis, 1979: 23 (distr.); Cope, 1984a: 35 (hosts); MacKay, Zak & Hovore, 1987: 364 (distr.); Chemsak, Linsley & Noguera, 1992: 87 (cat.); Monné, M.A., 1994b: 52 (cat.); Monné, M.A. & Giesbert, 1994: 154 (checklist); Linsley & Chemsak, 1997: 445 (hosts); Monné, M.A. & Hovore, 2006: 153 (checklist); Swift & Ray, 2008: 14, figs 2A,B, 7F (rev., lectotype); Lingafelter *et al.*, 2014: 23, figs 23e, f (lectotype).

Tragidion hirsuticolle Casey, 1912: 321; Smith *et al.*, 1943: 316, pl. 4, fig. 8; Alexander, 1958: 51 (distr.); Lingafelter *et al.*, 2014: 75, fig. 81m (holotype).

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

Tragidion parowanum Casey, 1924: 263; Lingafelter *et al.*, 2014: 296, 370, fig. 128a (lectotype).

Type locality - Holotype female: United States, Utah: Parowan Canyon. (USNM).

5. *Tragidion coquus* (Linnaeus, 1758)

Type locality - Holotype: Canada. (Depository unknown). **Distribution** - Eastern North America to Arizona, western & southern Texas. **Host plants** - *Cercis canadensis* Linnaeus (Caesalpinaceae), *Quercus grisea* (Fagaceae), *Acacia* sp.,

Prosopis sp. (Mimosaceae), *Ulmus* sp. (Ulmaceae).
Cerambyx coquus Linnaeus, 1758: 393; 1767: 630.
Lamia coquus; Fabricius, 1775: 176; 1781: 222; 1793: 286; 1801: 300.
Cerambyx (Lamia) coquus; Gmelin, 1790: 1834.
Tragidion coquus; Audinet-Serville, 1834b: 90; LeConte, 1850b: 10; White, 1853: 145; LeConte, 1854a: 441 (distr.); 1858a: 41 (distr.); Thomson, 1861: 204; Bland, 1861: 94; Thomson, 1864: 199; Lacordaire, 1869: 173; Popenoe, 1877: 33 (distr.); Snow, 1877: 19 (distr.); Leng, 1886: 81; Horn, 1886a: 138; 1889:199; Casey, 1893: 586; Hamilton *in* Leng, 1896: 169; Beutenmuller, 1896: 76 (hosts); Smith, 1900: 289; Ulke, 1903: 26, 50 (distr.); Fall & Cockerell, 1907: 192; Smith, 1910: 327; Dickerson, 1912: 215 (biol.); Casey, 1912: 323; Nicolay, 1919: 66 (distr.); Craighead, 1923: 80 (larva); Kirk & Knull, 1926: 41; Leonard, 1928: 449 (distr.); Frost & Dietrich, 1929: 436 (distr.); Brimley, 1938: 216 (distr.); Loding, 1945: 120 (distr.); Knull, 1946: 229, pl. 18, fig. 73; Alexander, 1958: 51; Dillon & Dillon, 1961: 605, pl. 50, No.7; Linsley, 1962a: 113, figs 36, 37; Kirk & Balsbaugh, 1975: 98 (distr.); Hovore & Giesbert, 1976: 352; Turnbow & Franklin, 1980: 341 (distr.); MacKay, Zak & Hovore, 1987: 364 (distr.); Hovore, Penrose & Neck, 1987: 298; Chemsak, Linsley & Noguera, 1992: 87 (cat.); MacRae, 1993: 237 (distr.); Lingafelter & Horner, 1993: 168 (distr.); Monné, M.A., 1994b: 53 (cat.); Monné, M.A. & Giesbert, 1994: 154 (checklist); Yanega, 1996: 126, pl. 19, figs 225a,b; Heffern, 1998: 19 (distr.); Peck & Thomas, 1998: 117; Schiefer, 1998: 120 (distr.); Monné, M.A. & Hovore, 2006: 153 (checklist); MacRae & Rice, 2007: 245 (biol., distr.); Swift & Ray, 2008: 16, figs 2E-F, 3A, 6D; Holt, 2013: 250; Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 75, pl.13; Eya, 2021: 14, fig 77

Callidium lynceum Fabricius, 1775: 191; 1781: 240; 1793: 129; 1801: 344; Zimsen, 1964: 180 (type).

Cerambyx lynceum; Olivier, 1790: 307, pl. 14, fig. 97; 1795: 37, pl. 4, fig. 97.

Tragidion lynceum; Audinet-Serville, 1834: 90; Laporte, 1840: 452; Haldeman, 1847a: 35.

Type locality - Holotype: Cape of Good Hope. (HMUG).

Callidium fulvipenne Say, 1824: 414; LeConte, 1859c: 194.

Tragidion fulvipenne; Haldeman, 1847a: 37; LeConte, 1850b: 10; White, 1853: 146; Bland, 1861: 94; Lacordaire, 1869: 173; Popenoe, 1877: 33 (distr.); Snow, 1877: 19; 1881: 70; 1883: 42 (distr.); Riley, 1880: 239 (biol.); Riley & Howard, 1889: 192 (biol.); Popenoe, 1889: 192 (biol.); 1890: 15 (biol.); Packard, 1890: 91, fig. 33 (biol.); Caulfield, 1890: 66 (biol.); Townsend, 1895: 47 (distr.); Casey, 1912: 323; Craighead, 1923: 80 (larva); Ware, 1929: 368 (distr.); Beaulne, 1932: 203 (hosts); Loding, 1933: 149 (distr.);

Tragidion coquus var. *fulvipenne*; Leng, 1886: 81; Knull, 1946: 229; Ulke, 1903: 26,50 (distr.); Felt, 1906: 702; Tucker, 1906: 12 (distr.); Fall & Cockerell, 1907: 192; Tanner, 1934: 47 (distr.); Knull, 1946: 229.

Tragidion coquus fulvipenne; Brimley, 1938: 216; Loding, 1945: 120 (distr.); Alexander, 1958: 51.

Type locality - Holotype male: United States: Arkansa, Arkansa River. (Depository unknown).

Cerambyx (Purpuricenius) Melsheimeri Germar, 1823: 502.

Anoplistes Melsheimeri; Germar, 1839: 330.

Type locality - Holotype: America septentrionalis. (MNHU).

Tragidion coquus filicorne Casey, 1912: 323; Lingafelter *et al.*, 2014: 46, figs 48g, h (lectotype).

Type locality - Lectotype male: United States: New Mexico: Las Vegas. (USNM).

Tragidion fulvipenne nubifer Casey, 1912: 323; Lingafelter *et al.*, 2014: 67, figs 72g, h (holotype).

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

Tragidion fulvipenne levipes Casey, 1912: 323; Lingafelter *et al.*, 2014: 67, figs 72e, f (holotype).

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

Tragidion apicatum Casey, 1912: 323; Lingafelter *et al.*, 2014: 18, figs 18m, n (holotype).

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

6. *Tragidion deceptum* Swift & Ray, 2008

Type locality - Neotype male: United States, Arizona: Cochise County, Huachuca Mountains. (USNM). **Distribution** - United States (Arizona, New Mexico, Texas), Mexico (Sonora, Chihuahua, Durango). **Host plants** - *Quercus arizonica* Sargent, *Q. hypoleucoides* A. Camus, *Q. oblongifolia* Torrey (Fagaceae).

Tragidion deceptum Swift & Ray, 2008: 17, figs 3B-C, 7D (hosts); Lingafelter *et al.*, 2014: 51, figs 53s, t (neotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 482
Tragidion annulatum; Linsley, Knull & Statham, 1961b: 23, fig. 13 (not LeConte, 1858).

7. *Tragidion densiventre* Casey, 1912

Type locality - Holotype female: United States, Arizona. (USNM) - **Distribution** - United States (Arizona, New Mexico, Texas), Mexico (Sonora, Chihuahua). **Host plants** - *Acacia greggii* A. Grey, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Tragidion densiventre Casey, 1912: 322; Swift & Ray, 2008, figs 3D-E, 7E (reval., hosts); Lingafelter *et al.*, 2014: 52, figs 55k, l (holotype); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 482

8. *Tragidion gracilipes* Linsley, 1940

Type locality - United States, California: Napa County. (CASC). **Distribution** - United States (California), Mexico (Baja California). **Host plants** - *Rhamnus californica* Eschscholtz (Rhamnaceae), *Adenostoma fasciculatum* Hooker & Arnott (Rosaceae).

Tragidion gracilipes Linsley, 1940: 136; Hovore & Giesbert, 1976: 353 (hosts); Monné, M.A., 1994b: 54 (cat.); Monné, M.A. & Giesbert, 1994: 154 (checklist); Monné, M.A. & Hovore, 2006: 153 (checklist); Swift & Ray, 2008: 20, figs 4B-C, 7B (hosts); Swift, 2008a: 4 (distr., hosts); Heffern, Vlasák & Alten, 2018: 747 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 482

Tylosis LeConte, 1850

Tylosis LeConte, 1850b: 9; Thomson, 1861: 190; 1864: 200; 1865: 430; Lacordaire, 1869: 181; LeConte, 1873b: 316; LeConte & Horn, 1883: 301; Leng, 1886: 60; Casey, 1912: 341; Bradley, 1930: 241; Linsley, 1962a: 138; Arnett, 1962: 864, 882; Valdez & MacKay, 1993: 241 (rev.); Monné, M.A., 1994b: 61 (cat.); Monné, M.A., 2005: 656 (cat.); Monné, M.A. & Hovore, 2006: 154 (checklist); Monné, M.A., 2012: 63.

Type-species - *Tylosis maculatus* LeConte, 1850 (subsequent designation, Thomson, 1864: 200).

1. *Tylosis jimenezi* Dugés, 1879

Type locality - Holotype : Mexico, Guanajuato. (ISNB). **Distribution** - United States (Texas), Mexico (Coahuila, Durango, Guanajuato, Distrito Federal). **Host plants** - *Sphaeralcea* sp. (Malvaceae).

Tylosis jimenezi Dugés, 1879: 186, pl. 6, fig. 11; Bates, 1885: 326; Linsley, 1962a: 140; Damoiseau & Cools, 1987: 13 (type); MacKay, Zak & Hovore, 1987: 365 (hosts); Chemsak, Linsley & Noguera, 1992: 88 (cat.); Valdez & MacKay, 1993: 242, 245, figs 1c, 2; Monné, M.A., 1994b: 61 (cat.); Monné, M.A. & Giesbert, 1994: 154 (checklist); Noguera & Chemsak, 1996: 403 (cat.); Linsley & Chemsak, 1997: 447 (hosts); Monné, M.A., 2001b: 83 (cat. hosts); Monné, M.A., 2005: 656 (cat.); Monné, M.A. & Hovore, 2006: 153 (checklist); Pérez & Toledo, 2020 : 18; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 482

2. *Tylosis maculatus* LeConte, 1850

Type locality - Holotype: United States, New Mexico. (MCZN). **Distribution** - United States (Texas, New Mexico), Mexico (Sonora, Chihuahua, Coahuila, Durango, Hidalgo, Jalisco, Mexico, Distrito Federal, Michoacán, Morelos, Nayarit, Nuevo León, San Luis Potosí,

Zacatecas). **Host plants** - *Sphaeralcea ambigua* A. Gray, *S. subhastata* Coulter (Malvaceae).

Tylosis maculatus LeConte, 1850b: 9; White, 1853: 140; LeConte, 1858a: 40 (distr.); 1859c: 20, pl. 2, fig. 15; Thomson, 1864: 200; Lacordaire, 1869: 181; Linsley, Knull & Statham, 1961b: 23; Linsley, 1962a: 140; MacKay, Zak & Hovore, 1987: 365; Chemsak, Linsley & Noguera, 1992: 88 (cat.); Valdez & MacKay, 1993: 242, 245, figs 1d, 2; Monné, M.A., 1994b: 61 (cat.); Monné, M.A. & Giesbert, 1994: 154 (checklist); Noguera & Chemsak, 1996: 403 (cat.); Linsley & Chemsak, 1997: 447 (hosts); Monné, M.A., 2001b: 84 (cat. hosts); Monné, M.A., 2005: 656 (cat.); Monné, M.A. & Hovore, 2006: 154 (checklist); Eya, 2021:9, figs; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 482

Tylosis maculata; Popenoe, 1877: 33 (distr.); Snow, 1883: 42 (distr.); Horn, 1885a: 176 (syn.); Bates, 1885: 325; Leng, 1886: 118, pl. 2, fig. 18; Townsend, 1895: 47; Fall & Cockerell, 1907: 192 (distr.); Schaeffer, 1908: 330 (distr.); Casey, 1912: 342.

Tylosis sellatus LeConte, 1858a: 25; Lacordaire, 1869: 181; Bates, 1885: 326.

Tylosis maculata ab. *sellata*; Aurivillius, 1912: 470 (cat.).

Type locality - Holotype: United States, New Mexico-Texas: Llano Estacado. (MCZN).

Tylosis robusta Casey, 1912: 342; Lingafelter *et al.*, 2014: 310, figs 144g, h (holotype).

Type locality - Holotype female: United States, Arizona: Cochise Co., San Bernardino Ranch. (USNM).

Tylosis argus Casey, 1912: 342; Lingafelter *et al.*, 2014: 19, figs 19m, n (holotype).

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

Tylosis sexualis Casey, 1912: 343; Lingafelter *et al.*, 2014: 319, figs 154c, d (lect. designation).

Type locality - Lectotype male: United States, New Mexico: Jemez Springs. (USNM).

Tylosis texana Casey, 1912: 343; Lingafelter *et al.*, 2014: 332, figs 169m, n (lectotype).

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

Tylosis subtruncata Casey, 1912: 343; Lingafelter *et al.*, 2014: 329, figs 165w, x (holotype).

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

Tylosis brevicollis Casey, 1912: 344; Lingafelter *et al.*, 2014: 32, figs 32u, v (holotype).

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

Tylosis medialis Casey, 1912: 344; Lingafelter *et al.*, 2014: 96, figs 106q, r (lect. designation).

Type locality - Lectotype male: United States, New Mexico: Jemez Springs. (USNM).

Tylosis medialis bifasciata Casey, 1912: 344; Lingafelter *et al.*, 2014: 97, figs 106s, t (holotype).

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

Tylosis conjuncta Casey, 1912: 344; Lingafelter *et al.*, 2014: 44, figs 46i, j (holotype).

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

Tylosis conjuncta parva Casey, 1912: 345; Lingafelter *et al.*, 2014: 44, figs 46k, l (holotype).

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

3. *Tylosis oculatus* LeConte, 1850

Type locality - Holotype: Mexico, Veracruz: Puente Nacional. (MCZN). **Distribution** - United States (Western and southern Texas), Mexico (Durango, Mexico, Distrito Federal, Jalisco, Michoacán, Nuevo León, Tamaulipas, Puebla, Coahuila, Veracruz, Oaxaca). **Host plants** - *Abutilon incanum* Sweet, *A. indicum* Linnaeus (Malvaceae).

Tylosis oculatus LeConte, 1850b: 9; White, 1853: 140; LeConte, 1858a: 40 (distr.); Lacordaire, 1869: 181; Bates, 1885: 325 (distr.); Leng, 1886: 118; Schaeffer, 1908: 328 (distr.); Vogt, 1949: 177 (distr.); Linsley, 1962a: 139; Hovore, Penrose & Neck, 1987: 298 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 88 (cat.); Valdez & MacKay, 1993: 242, 244, figs 1e, 2; Monné, M.A., 1994b: 62 (cat.); Monné, M.A. & Giesbert, 1994: 155 (checklist); Noguera & Chemsak, 1996: 403 (cat.); Linsley & Chemsak, 1997: 447 (hosts); Monné, M. A., 2001b: 84 (cat. hosts); Monné, M.A., 2005: 657 (cat.); Ray, Lacey & Hanks, 2006: 546 (pheromones); Monné, M.A. & Hovore, 2006: 154 (checklist); Noguera *et al.*, 2007: 312 (distr.); García Morales *et al.*, 2015: 106 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 482

4. *Tylosis puncticollis* Bates, 1885

Type locality - Lectotype female: Mexico. (BMNH). **Distribution** – United States (Arizona), Mexico (Sonora, Chihuahua, Coahuila, Durango, Guanajuato, Michoacán, Guerrero, Hidalgo, Jalisco, Aguascalientes, Oaxaca, Morelos, Mexico, Puebla, Colima, Tabasco, Tamaulipas).

Tylosis puncticollis Bates, 1885: 325; 1892: 177 (syn., distr.); Linsley, 1935a: 100 (distr.); Saalas, 1936: 110; Linsley, 1962a: 141; Chemsak, 1967b: 80 (lect.); Terrón, 1992: 288 (distr.); Valdez & MacKay, 1993: 242, 245, figs 1f, 2; Monné, M.A., 1994b: 62 (cat.); Monné, M.A. & Giesbert, 1994: 155 (checklist); Noguera *et al.*, 2002: 625 (distr.); Toledo, 2005b: 419 (distr.); Monné, M.A. & Hovore, 2006: 154 (checklist); Noguera *et al.*, 2007: 312 (distr.); Noguera *et al.*, 2009: 89 (distr.); MacRae, Bezark & Swift, 2012: 182; García Morales *et al.*, 2015: 107 (distr.); Ordoñez, Rezendiz & Martínez-Ramos, 2017: 828; Martínez Fernández, 2019: 89, fig. 1c

Tylosis puncticollis puncticollis; Linsley, 1962a: 141; Chemsak, Linsley & Noguera, 1992: 88 (cat.); Noguera & Chemsak, 1996: 403 (cat.); Monné, M.A., 2005: 657 (cat.).

Tylosis angusticollis Bates, 1885: 325; Perkins & Swezey, 1924: 51 (hosts); Chemsak, 1967c: 83 (lect.).

Tylosis puncticollis var. *angusticollis*; Aurivillius, 1912: 470 (cat.).

Type locality - Lectotype female: Mexico, Durango: Ventanas [Villa Corona]. (MNHN).

Tylosis maculata; Bates, 1880: 81 (not LeConte, 1850).

Tylosis sellata; Bates, 1880: 81 (not LeConte, 1850).

Tylosis puncticollis arizonicus Linsley, 1957c: 34; 1962: 142; Chemsak, Linsley & Noguera, 1992: 88 (cat.); Monné, M.A., 1994b: 62 (cat.).

Tylosis puncticollis arizonensis. Linsley, Knull & Statham, 1961: 23 (distr.).

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

5. *Tylosis suturalis* White, 1853

Type locality - Holotype: Mexico. (BMNH). **Distribution** - Southern United States (New Mexico), Mexico (Chihuahua, Zacatecas, San Luis Potosí, Michoacán, Guanajuata, Oaxaca, Tamaulipas).

Tylosis suturalis White, 1853: 141, pl. 4, fig. 5; Chemsak, Linsley & Noguera, 1992: 88 (cat.); Valdez & MacKay, 1993: 244, 245, figs 1g, 2; Monné, M.A., 1994b: 63 (cat.); Monné, M.A. & Giesbert, 1994: 155 (checklist); Noguera & Chemsak, 1996: 403 (cat.); Monné, M.A., 2005: 658 (cat.); Monné, M.A. & Hovore, 2006: 154 (checklist); García Morales *et al.*, 2015: 107 (distr.); Bezark, 2019: 411; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 482

TROPIDINI Galileo & Martins, 2007

Type-genus: *Tropidion* Thomson, 1867 (original designation).

Tropidina Martins & Galileo, 2007b: 7; Bousquet *et al.*, 2009: 49; Bouchard *et al.*, 2011: 474.

Comments: Incorrect original spelling maintained in order to avoid homonymy with Tropidiini Hull, 1949 (type-genus *Tropidia* Meigen, 1822) available in Diptera, Syrphidae. (Bouchard *et al.*, 2011: 474).

Tropidiina Galileo & Martins, 2010b: 5.

Neoibidionini Monné, M.A., 2012: 35.

Type-genus: *Neoibidion* Monné, 2012: 36, *nomen novum pro Ibidion* Audinet-Serville, 1834, *non* Gory, 1833 (Cerambycidae, Clytini).

Type-species: *Ibidion comatum* Audinet-Serville, 1834 (subsequent designation Thomson, 1864: 215).

Ibidionina; Martins & Galileo, 2007c: 179; Bouchard *et al.*, 2011: 474

Ibidionini Thomson, 1861: 135. Type genus: *Ibidion* Audinet-Serville, 1834, junior homony

Ibidion Gory, 1833 (Coleoptera, Cerambycidae, Clytini). Type-species: *Ibidion amoenum* Gory, 1833 (monotypy). Ibidionini Thomson, 1861 is permanently invalid because it is based on a preoccupied type genus (Article 39).

Ibidionitae Thomson, 1861: 135 (key), 188 (key), 199; 1864: 214

Type-genus: *Ibidion* Gory, 1833.

Type-species: *Ibidion amoenum* Gory, 1833 (monotypy).

Ibidionides; Lacordaire, 1868: 328.

Ibidiinae; Bates, 1870: 285.

Ibidiones; LeConte, 1873b: 383; LeConte & Horn, 1883: 288.

Ibidionini; Aurivillius, 1912: 105 (cat.); Arnett, 1962: 860, 884; Linsley, 1963: 122; Martins, 1967b: 16 (rev.); Villiers, 1980c: 290; Joly, 1991: 5; Monné, M. A., 1993e: 1 (cat.); Bousquet *et al.*, 2009: 48; Bouchard *et al.*, 2011: 474; Vitali, 2015: 10 (nomenclature)

COMPSINA Martins & Galileo, 2007

Compsina Martins & Galileo, 2007b: 6; Martins, 2009: 2 (rev.); Bousquet *et al.*, 2009: 49; Bouchard *et al.*, 2011: 474.

Heterachthes Newman, 1840

Heterachthes Newman, 1840b: 9; Haldeman, 1847a: 43; Thomson, 1864: 215; Bates, 1870: 303; LeConte, 1873b: 304; Bates, 1880: 33; LeConte & Horn, 1883: 289; Casey, 1912: 306; Martins, 1962: 290; Linsley, 1963: 122; Martins & Chemsak, 1966: 458; Martins, 1970: 1205 (rev.); Zayas, 1975: 114; Monné, M.A. 1993e: 71 (cat.); Monné, M.A., 2005: 367 (cat.); Monné, M.A. & Hovore, 2006: 97 (checklist); Swift, 2008b: 547 (key spp.); Martins, 2009: 147; Monné, M.A., 2012: 37.

Ibidion (*Heterachthon*); Thomson, 1867: 133, 148.

Ibidion (*Heterachthes*); Lacordaire, 1868: 332.

Heterachthes; Aurivillius, 1912: 110 (error, cat.).

Type-species - *Heterachthes ebenus* Newman, 1840 (monotypy).

Brydaeon Thomson, 1867: 134, 137.

Type-species - *Ibidion dimidiatum* Thomson, 1865 (subsequent designation, Martins, 1970b: 1206).

1. *Heterachthes ebenus* Newman, 1840

Type locality - Holotype male: United States, East Florida. (BMNH). **Distribution** - Eastern United States, Mexico (Jalisco, Nayarit, Sinaloa, Guerrero, Tamaulipas, Veracruz), Guatemala, Nicaragua, Costa Rica (Guanacaste), Colombia, Venezuela, Ecuador, Guiana, French Guiana, Surinam, Brazil (Pará, Rondônia, Rio Grande do Norte, Ceará, Bahia, Minas Gerais, Espírito Santo, Rio de Janeiro, São Paulo, Paraná, Santa Catarina, Rio Grande do Sul), Paraguay, Argentina (Misiones), Uruguay, Cuba, Bahamas. **Host plants** - *Quercus inopina* Ashe (Fagaceae), *Vachellia farnesiana* (Linnaeus) Wight & Arn. (Mimosaceae), *Pinus rigida* Miller (Pinaceae).

Heterachthes ebenus Newman, 1840b: 9; Haldeman, 1847a: 53; White, 1855: 236; Bates, 1872: 181; 1880: 33 (distr.); Leng, 1885b: 135; Horn 1885b: 5; Gounelle, 1909: 670 (distr.); Casey, 1912: 307; Dozier, 1918: 334; Blatchley, 1919: 32 (distr.); Craighead, 1923: 77 (larva); Kirk & Knull, 1926: 43 (distr.); Brimley, 1938: 211 (distr.); Wolcott, 1941: 99 (distr.); Loding, 1945: 115 (distr.); Knull, 1946: 200, pl. 12, fig. 49; Wolcott, 1948: 338 (distr.); Biezanko & Bosq, 1956: 8 (distr.); Linsley, 1963: 123, fig. 141; Martins & Chemsak, 1966a: 458; Gilmour, 1968: 145; Zajciw & Monné, M.A., 1968: 52 (distr.); Martins, 1970: 1273, figs 594, 655-659, 661, pl. 29, fig. 1; 1971a: 1478 (distr.); 1971b: 175 (distr.); Viana, 1972: 263 (distr.); Zajciw, 1974: 55 (distr.); Zayas, 1975: 114, pl. 14, fig. c; Chemsak, Linsley & Mankins, 1980: 31 (distr.); Hovore, Penrose & Neck, 1987: 304 (hosts); Joly, 1991: 72, fig. 106; Chemsak, Linsley & Noguera, 1992: 50 (cat.); Monné, M.A. 1993e: 73 (cat.); Monné, M.A. & Giesbert, 1994: 78 (checklist); Chemsak & Noguera, 1995: 60 (distr.); Noguera & Chemsak, 1996: 399 (cat.); Linsley & Chemsak, 1997: 381 (hosts); Maes, 1998: 895 (distr.); Martínez, 2000: 88 (distr.); Monné, M.A., 2001b: 19 (cat. hosts); Morris, 2002: 211 (hosts); Turnbow, Cave & Thomas, 2003: 12 (distr.); Monné, M.A., 2005: 368 (cat.); Peck, 2005: 171 (distr.); Hovore, 2006: 372 (distr.); Monné, M.A. & Hovore, 2006: 97 (checklist); Lingafelter, 2007: 78, 147,

2 figs, pl. 18 h (hosts); Turnbow & Thomas, 2008: 19 (distr.); Martins, 2009: 155, figs 185-189, 191; Monné, M.L. *et al.*, 2010: 241 (distr.); Swift *et al.*, 2010: 21 (distr.); Maes *et al.*, 2010: 334, 1 fig. (distr.); Martins *et al.*, 2014b: 608 (distr.); García Morales *et al.*, 2015: 103 (distr.); Monné, M.A. & Chaboo, 2015: 58 (distr., hosts); Luna-León. 2015: 838 (distr.); Devesa, Fonseca & Barro, 2015: 32, 244, figs 1-9; Santos-Silva & Botero, 2017: 584
Ibidion ebenum; LeConte, 1850b: 23.
Ibidion (Heterachthes) ebenus; Thomson, 1864: 215.
Compsa ebena; Lacordaire, 1868: 333.
Heterachthes exilissimus Casey, 1912: 307; Lingafelter *et al.*, 2014: 59, figs 63e, f (lect. designation).
Type locality - Lectotype: United States, North Carolina: Southern Pines. (USNM).
Heterachthes floridanus Casey, 1912: 307; Lingafelter *et al.*, 2014: 64, figs 69g, h (lect. designation).
Type locality - Lectotype male: United States, Florida: Biscayne Bay. (USNM).

2. *Heterachthes nobilis* LeConte, 1862

Type locality - Holotype: United States, Texas. (MCZN). **Distribution** - United States (Texas), Mexico (Tamaulipas). **Host plants** - *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).
Heterachthes nobilis LeConte, 1862: 41; Leng, 1885b: 135; Schaeffer, 1903: 113; 1908: 327 (distr.); Linsley, 1963: 126; Martins, 1970: 1303; Hovore & Giesbert, 1976: 356 (hosts); Hovore, Penrose & Neck, 1987: 304 (distr.); Chemsak, Linsley & Noguera, 1992: 51 (cat.); Monné, M.A. 1993e: 76 (cat.); Monné, M.A. & Giesbert, 1994: 79 (checklist); Linsley & Chemsak, 1997: 382 (hosts); Monné, M.A. & Hovore, 2006: 98 (checklist); Swift, 2008b: 547; García Morales *et al.*, 2015: 104 (distr.); Heffern, Vlasák & Alten, 2018: 744 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 475

3. *Heterachthes polingi* (Fall, 1925)

Type locality - Holotype male: United States, Arizona: Baboquivari Mts. (MCZN). **Distribution** - United States (Arizona), Mexico (Sonora). **Host plants** - *Baccharis glutinosa* Persoon (Asteraceae).
Ibidion polingi Fall, 1925: 182; Linsley, 1963: 128.
Heterachthes polingi; Martins & Chemsak, 1966a: 459; Martins, 1970: 1309; Chemsak, Linsley & Noguera, 1992: 51 (cat.); Monné, M.A. 1993e: 76 (cat.); Monné, M.A. & Giesbert, 1994: 79 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Monné, M. A., 2005: 373 (cat.); Monné, M.A. & Hovore, 2006: 98 (checklist); Noguera *et al.*, 2009: 88 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 475

4. *Heterachthes quadrimaculatus* Haldeman, 1847

Syntypes localities - Syntypes: United States, Pennsylvania; Carolina. (MCZN). North central and eastern United States and southern Canada (southern Quebec) to Florida. **Host plants** - *Carpinus caroliniana* Walter (Corylaceae), *Quercus velutina* Lamarck (Fagaceae), *Carya alba* Koch, *C. glabra* (Miller) Sweet, *C. illinoensis* (Wangenheim) K. Koch, *C. laciniosa* (F. Michaux) Loudon, *C. ovata* (Miller) K. Koch, *C. pecan* (Marshall) Engler & Graebner (Juglandaceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae).
Heterachthes 4-maculatum Haldeman, 1847a: 43; 1847c: 372; Melsheimer, 1853: 106 (cat.); Leng, 1885b: 135, pl. 3, fig. 10.
Ibidion 4-maculatum; LeConte, 1850b: 23; Bland, 1861: 96 (distr., hosts).
Heterachthes quadrimaculatus; White, 1855: 236; Popenoe, 1877: 33 (distr.); LeConte, 1880a: 237 (hosts); Packard. 1881: 75 (hosts); Harrington, 1884: 46 (hosts); Packard, 1890: 203 (hosts); Hamilton, 1895: 338 (distr.); Beutenmuller, 1896: 75 (hosts); Wickham, 1897a: 110; Smith, 1900: 288 (distr.); Dury, 1902: 159 (distr.); Ulke, 1903: 26, 50 (distr.); Blatchley, 1910: 1027; Smith, 1910: 327 (distr.); Fisher & Kirk, 1912: 310 (distr.); Frost, 1915: 270 (distr.); Nicolay, 1919: 66 (distr.); Britton. 1920: 267 (distr.); Craighead, 1923: 76, pl. 18, fig.

4 (larva); Blackman & Stage, 1924: 95 (biol.); Champlain, Kirk & Knull, 1925: 106 (biol.); Kirk & Knull, 1926: 23 (distr.); Leonard, 1928: 436 (distr.); Beaulne, 1932: 198 (hosts); Loding, 1933: 148 (distr.); Brimley, 1938: 211 (distr.); Loding, 1945: 115 (distr.); Knull, 1946: 200; Sherman, 1946: 126 (distr.); Fattig, 1947: 12 (distr.); Alexander, 1958: 47 (distr.); Dillon & Dillon, 1961: 592, pl. 58 No. 13; Martins, 1970: 1317, fig. 679 (rev.); Gosling, 1984: 72 (hosts); Waters & Hyché, 1984: 286 (distr.); Chemsak, Linsley & Noguera, 1992: 51 (cat.); MacRae, 1993: 231 (distr., hosts); Monné, M.A., 1993e: 77 (cat.); Monné, M.A. & Giesbert, 1994: 79 (checklist); Browne & Peck, 1996: 2158 (distr.); Krinsky & Godwin, 1996: 238; Schiefer, 1998: 117 (distr.); Peck & Thomas, 1998: 118 (distr.); Vlasák & Vlasakova, 2002: 210 (distr.); Monné, M.A. & Hovore, 2006: 98 (checklist); Rice & Veal, 2006: 257 (distr.); Lingafelter, 2007: 77. 147, 2 figs, pl. 18g (hosts); MacRae & Rice, 2007: 236 (distr., hosts); Staines, 2008: 146 (distr.); Guarnieri, 2009: 17 (distr.); Holt, 2013: 249 (distr.); Klingeman *et al.*, 2017: 297 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 46, pl. 4.

Compsa quadrimaculata; Lacordaire, 1868: 333.

Heterachthes 4-maculatum var. *pallidum* Haldeman, 1847a: 43.

Heterachthes pallidus; Blatchley, 1919: 32; Loding, 1933: 148 (distr.); Linsley, 1963: 125 (syn.); Gosling, 1973: 74, fig. 30 (biol., distr.); Turnbow & Franklin, 1980: 342 (distr.); Yanega, 1996: 50, pl. 14, fig. 167; Linsley & Chemsak, 1997: 382 (hosts); Sikes & Webster, 2005: 327 (distr.).

Heterachthes quadrimaculatus a. *pallidus*; Loding, 1945: 115 (distr.).

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

Ibidion rotundipenne White, 1855: 233; Thomson, 1867: 150.

Ibidion ? rotundipenne; Lacordaire. 1868: 332.

Heterachthes rotundipennis; Aurivillius, 1912: 111 (cat.).

Type locality - Holotype female: locality unknown. (BMNH).

Ibidion (Heterachthon) evanescens Thomson, 1867: 148.

Compsa evanescens; Gemminger & Harold, 1872: 2831 (cat.).

Ibidion evanescens; Thomson, 1878a: 6 (type).

Heterachthes evanescens; Aurivillius, 1912: 110 (cat.).

Syntypes locality - Syntypes: United States, Texas. (MNHN).

Heterachthes fluviatilis Casey, 1912: 308; Lingafelter *et al.*, 2014: 65, fig. 69o (holotype).

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

5. *Heterachthes rugosicollis* Martins, 1970

Type locality - Holotype male: Mexico, Durango: El Salto (25 mi E). (CNCI). **Distribution** - United States (Arizona), Mexico (Durango). **Host plants** - *Pinus leiophylla* var. *chihuahuana* (Engelmann) A. E. Murray (Pinaceae).

Heterachthes rugosicollis Martins, 1970: 1330, fig. 680; McNamara, 1977: 182 (holotype); Chemsak, Linsley & Noguera, 1992: 51 (cat.); Monné, M.A. 1993e: 77 (cat.); Monné, M.A. & Giesbert, 1994: 79 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Monné, M.A., 2005: 373 (cat.); Monné, M.A. & Hovore, 2006: 98 (checklist); Swift, 2008b: 546, fig. 1 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 475

6. *Heterachthes sablensis* Blatchley, 1920

Type locality - Holotype male: United States, Florida: Cape Sable. **Distribution** - United States (Florida), Bahamas (Andros Island), Aruba, Honduras, Guatemala, Belize, Colombia, Ecuador (Islas Galápagos). **Host plants** - *Avicennia germinans* (Linnaeus) Stearns, *A. officinalis* Linnaeus (Verbenaceae).

Heterachthes sablensis Blatchley, 1920: 68; Linsley, 1963: 124; Monné, M.A. 1993e: 77 (cat.); Monné, M.A. & Giesbert, 1994: 79 (checklist); Morris, 2002: 211 (hosts); Monné, M. A., 2005: 373 (cat.); Monné, M.A. & Hovore, 2006: 98 (checklist); Thomas & Turnbow, 2007: 586 (distr.); Lingafelter, 2007: 78, 147, 2 figs, pl 18i (hosts); Turnbow & Thomas, 2008: 19 (distr.); Martins, 2009: 159, fig. 194 (syn.).

Compsa apicalis Blair, 1933: 481; Van Dyke, 1953: 134; Linsley & Usinger, 1966: 153; Linsley & Chemsak, 1966: 219, figs 13, 14.

Neocompsa apicalis; Martins, 1965a: 99.

Heterachthes apicalis; Martins, 1970: 1222; Linsley, 1977: 24 (distr.); Martínez, 2000: 88 (distr.); Monné, M.A., 2001b: 19 (cat. hosts); Turnbow, Cave & Thomas, 2003: 12 (distr.); Monné, M.A., 2005: 367 (cat.); Hovore, 2006: 372 (distr.); Peck, 2006b: 242 (distr.).

Type locality – Holotype male: Ecuador, Islas Galápagos: James Island [Santiago]. (BMNH).

Heterachthes arubae Gilmour, 1968: 146, pl. 13, fig. 4.

Type locality - Holotype female: Aruba. (MAGD).

7. *Heterachthes texanus* Linsley, 1957

Type locality - Holotype male: United States, Texas: Chisos Mountains, Big Bend. (CASC).

Distribution - United States (Texas).

Heterachthes texanus Linsley, 1957d: 159; 1963: 126; Martins, 1970: 1314 (rev.); Chemsak, Linsley & Noguera, 1992: 51 (cat.); Monné, M.A., 1993e: 78 (cat.); Monné, M.A. & Giesbert, 1994: 79 (checklist); Van Pelt, 2002: 128; Monné, M.A. & Hovore, 2006: 98 (checklist);

Neocompsa Martins, 1965

Neocompsa Martins, 1965: 96; Martins & Chemsak, 1966: 450; Martins, 1970: 1036 (rev.); Villiers, 1980b: 290; Monné, M.A. 1993e: 61 (cat.); Monné, M.A., 2005: 377 (cat.); Monné, M.A. & Hovore, 2006: 99 (checklist); Martins, 2009: 109; Monné, M.A., 2012: 38.

Type-species - *Ibidion textile* Thomson, 1865 (original designation).

1. *Neocompsa alacris* (Bates, 1885)

Type locality - Lectotype male: Mexico, Oaxaca: Tehuantepec. (BMNH). **Distribution** - United States (Texas), Mexico (Sonora, Sinaloa, Nayarit, Colima, Michoacán, Mexico, Morelos, Guerrero, Oaxaca, Jalisco, Veracruz, Quintana Roo), Guatemala, Honduras, El Salvador. **Host plants** - *Lonchocarpus* sp. (Fabaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Ibidion textile var. *alacre* Bates, 1885: 264, pl. 17, fig. 23.

Compsa textilis var. *alacris*; Aurivillius, 1912: 110 (cat.).

Compsa alacre; Linsley, 1935a: 80.

Compsa alacris; Linsley, 1963: 131, fig. 43.

Neocompsa alacris; Martins, 1965: 98; Martins & Chemsak, 1966: 460; Chemsak, 1966b: 98, figs 1, 2 (biol.); Martins, 1970: 1094, figs 567, 567a, 577 (lect.); 1971a: 1470 (distr.); 1971b: 166 (distr.); Chemsak, Linsley & Mankins, 1980: 31 (distr.); Chemsak, Linsley & Noguera, 1992: 51 (cat.); Monné, M.A. 1993e: 71 (cat.); Monné, M.A. & Giesbert, 1994: 80 (checklist); Chemsak & Noguera 1995: 60 (distr.); Noguera & Chemsak, 1996: 399 (cat.); Monné, M.A., 2001b: 22 (cat. hosts); Toledo *et al.*, 2002: 527 (distr.); Turnbow, Cave & Thomas, 2003: 12 (distr.); Monné, M.A., 2005: 377 (cat.); Hovore, 2006: 373 (distr.); Monné, M.A. & Hovore, 2006: 99 (checklist); Noguera *et al.*, 2007: 311 (distr.); Noguera *et al.*, 2009: 88 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 475

2. *Neocompsa bravo* Heffern, Botero & Santos-Silva, 2020

Type locality - Holotype male: United States, Texas: Hidalgo Co., Santa Ana NWR. (TAMU).

Distribution - United States (Texas)

Neocompsa bravo Heffern, Botero & Santos-Silva, 2020b: 335, figs 1-6, 13

3. *Neocompsa exclamationis* (Thomson, 1861)

Type locality - Holotype male: Mexico. (MNHN). **Distribution** - United States (southern Texas), Mexico (Jalisco, San Luís Potosí, Distrito Federal, Veracruz, Oaxaca, Chiapas, Tamaulipas). **Host plants** - *Acacia farnesiana* (Linnaeus) Willdenow, *Leucaena pulverulenta* (Schlechtendal) Bentham, *Mimosa* sp., *Pithecellobium flexicaule* (Bentham) Coulter, *P.*

pallens (Bentham) Standley (Mimosaceae), *Ficus glabrata* Kunth (Moraceae), *Zanthoxylum fagara* (Linnaeus) Sargent (Rutaceae).

Ibidion exclamatoris Thomson, 1861: 201; Bates, 1880: 32 (distr.); Linell, 1897: 394; Wickham, 1898b: 41 (distr.); Townsend, 1903: 77 (distr.); Schaeffer, 1905: 162; 1908: 327 (distr.); Linsley & Martin, 1933: 181; Vogt, 1949: 142; Linsley, 1963: 127, fig. 42.

Ibidion exclamatoris; Craighead, 1923: 77 (error, larva).

Neocompsa exclamatoris; Martins & Chemsak, 1966: 462.

Neocompsa exclamatoris; Martins, 1970: 1107; Hovore & Penrose, 1982: 23; Hovore, Penrose & Neck, 1987: 304 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 52 (cat.); Monné, M.A. 1993e: 63 (cat.); Monné, M.A. & Giesbert, 1994: 80 (checklist); Chemsak & Noguera, 1995: 60 (distr.); Noguera & Chemsak, 1996: 399 (cat.); Monné, M.A., 2001b: 22 (cat. hosts); Toledo *et al.*, 2002: 527 (distr.); Monné, M.A., 2005: 379 (cat.); Monné, M.A. & Hovore, 2006: 99 (checklist); MacRae & Rice, 2007: 240 (distr., hosts); García Morales *et al.*, 2015: 104 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 475

4 *Neocompsa intricata* Martins, 1970

Type locality - Holotype male: Mexico, Veracruz: Jalapa. (CASC). **Distribution** - United States (southern Texas), Mexico (San Luis Potosí, Veracruz). **Host plants** - *Prosopis glandulosa* Torrey (Mimosaceae).

Neocompsa intricata Martins, 1970: 1088, figs 564, 567; 1971c: 166 (distr.); Hovore, Penrose & Neck, 1987: 304; Chemsak, Linsley & Noguera, 1992: 52 (cat.); Monné, M.A. 1993e: 63 (cat.); Monné, M.A. & Giesbert, 1994: 80 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Monné, M.A., 2005: 380 (cat.); Monné, M.A. & Hovore, 2006: 99 (checklist); Heffern, Botero & Santos-Silva, 2020: 337; Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 475

Ibidion textile; Schaeffer, 1905: 161, 162 (hosts); 1908: 327 (distr.). (not Thomson, 1865).

Compsa textilis var. *alacris*; Linsley & Martin, 1933: 180 (distr.). (not Bates, 1885).

5. *Neocompsa mexicana* (Thomson, 1865)

Type locality - Holotype male: Mexico. (MNHN). **Distribution** - United States (Texas), Mexico (Tamaulipas, San Luis Potosí, Chiapas, Veracruz, Oaxaca), Guatemala, Honduras, Nicaragua, Costa Rica. **Host plants** - *Baccharis neglecta* Nuttall (Asteraceae), *Celtis laevigata* Willdenow (Cannabaceae), *Acacia farnesiana* (Linnaeus) Willdenow, *Leucaena pulverulenta* (Schlechtendal) Benth., *Pithecellobium flexicaule* (Benth.) Coulter (Mimosaceae), *Zanthoxylum* sp. (Rutaceae).

Ibidion mexicanum Thomson, 1865: 573; 1878a: 6 (type); Bates, 1872: 181 (distr.).

Ibidion (Compsibidion) mexicanum; Thomson, 1867: 150; Lacordaire, 1868: 332.

Neocompsa mexicana; Martins, 1970: 1119, figs 551, 554, 555 (syn.); Turnbow & Wappes, 1978: 369 (hosts); Hovore & Penrose, 1982: 23; Hovore, Penrose & Neck, 1987: 304 (hosts); Chemsak, Linsley & Noguera, 1992: 52 (cat.); Monné, M.A. 1993e: 64 (cat.); Monné, M.A. & Giesbert, 1994: 80 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Monné, M.A., 2001b: 23 (cat. hosts); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Turnbow, Cave & Thomas, 2003: 12 (distr.); Monné, M.A., 2005: 381 (cat.); Hovore, 2006: 373 (distr.); Monné, M.A. & Hovore, 2006: 100 (checklist); Swift *et al.*, 2010: 21 (distr.); Vlasák, 2014: 318 (hosts); García Morales *et al.*, 2015: 104 (distr.); Audureau & Roguet, 2018: 64 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 475

Ibidion hippopsioides Bates, 1885: 265, pl. 18, fig. 25.

Compsa hippopsioides; Aurivillius, 1912: 109 (cat.).

Neocompsa hippopsioides; Martins, 1965a: 99; Martins & Chemsak, 1966a: 461.

Type locality - Holotype female: Guatemala, Baja Verapaz: San Gerónimo. (BMNH).

Ibidion ignobile Bates, 1885: 265, pl. 18, fig. 24.

Compsa ignobilis; Aurivillius, 1912: 109 (cat.).

Neocompsa ignobilis; Martins, 1965: 99.

Type locality - Holotype male: Guatemala, Quetzaltenango: Cerro Zunil. (BMNH).

Ibidion townsendi Linell, 1897: 395; Townsend, 1903: 77; Schaeffer, 1905: 162; 1908: 327 (distr.); Craighead, 1920: 8 (biol.); 1923: 140 (larva); Linsley & Martin, 1933: 181 (distr.); Linsley, 1963: 129; Lingafelter *et al.*, 2014: 334, figs 172e, f (holotype).

Neocompsa townsendi; Martins, 1965: 99.

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

6. *Neocompsa puncticollis asperula* (Bates, 1885)

Type locality - Holotype male: Mexico, Durango: Ventanas [Villa Corona]. (BMNH).

Distribution - United States (Arizona), Mexico (Sonora, Sinaloa, Durango, Jalisco, Nayarit, Colima, Morelos, Guerrero), Nicaragua. **Host plant** - *Lysiloma acapulcense* (Kunth.) Benth. (Fabaceae).

Ibidion asperulum Bates, 1885: 266, pl. 18, fig. 21.

Compsa puncticollis; Linsley, 1935a: 80; 1963: 130.

Neocompsa puncticollis asperula; Martins & Chemsak, 1966: 465; Martins, 1970a: 1140, figs 574, 584, pl. 28, fig. 4; 1971c: 169 (distr.); Chemsak, Linsley & Noguera, 1992: 52 (cat.); Monné, M.A. 1993e: 65 (cat.); Monné, M.A. & Giesbert, 1994: 80 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Noguera *et al.*, 2002: 624 (distr.); Monné, M.A., 2005: 382 (cat.); Monné, M.A. & Hovore, 2006: 100 (checklist); Noguera *et al.*, 2007: 311 (distr.); Noguera *et al.*, 2009: 88 (distr.); Maes *et al.*, 2010: 347, 2 figs (distr.); Vargas-Cardoso *et al.*, 2018: 94 (hosts); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 475

6a. *Neocompsa puncticollis orientalis* Martins & Chemsak, 1966

Type locality - Holotype male: Mexico, Veracruz: Cotaxtla Experimental Station. (CASC).

Distribution - United States (Texas), Mexico (Nuevo León, Tamaulipas, San Luis Potosí, Veracruz, Oaxaca).

Neocompsa puncticollis orientalis Martins & Chemsak, 1966: 466; Martins, 1970: 1142, figs 575, 584; Hovore, Penrose & Neck, 1987: 304 (distr.); Chemsak, Linsley & Noguera, 1992: 52 (cat.); Noguera & Chemsak, 1996: 399 (cat.); Ruíz Cancino & Coronado Blanco, 2002: 103 (distr.); Monné, M.A. 1993e: 65 (cat.); Monné, M.A. & Giesbert, 1994: 80 (checklist); Monné, M.A., 2005: 382 (cat.); Monné, M.A. & Hovore, 2006: 100 (checklist); García Morales *et al.*, 2015: 104 (distr.); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 475

Compsa puncticollis; Vogt, 1949: 142 (distr.).

7. *Neocompsa quadriplagiata* (LeConte, 1873)

Type locality - Holotype male: Mexico, Baja California: Cabo San Lucas. (MCZN).

Distribution - United States (Texas), Mexico (Baja California, Morelos, Guerrero).

Compsa quadriplagiata LeConte, 1873a: 189; Lameere, 1883: 19 (cat.); Leng, 1885b: 134; Horn, 1894: 338; Schaeffer, 1908: 337; Linsley, 1942: 47; 1963: 132 (syn.).

Neocompsa quadriplagiata; Martins, 1965: 99; Martins & Chemsak, 1966a: 462; Martins, 1970a: 1068, fig. 546; Chemsak, Linsley & Noguera, 1992: 52 (cat.); Monné, M.A. 1993e: 65 (cat.); Monné, M.A. & Giesbert, 1994: 80 (checklist); Noguera & Chemsak, 1996: 399 (cat.); Monné, M.A., 2005: 383 (cat.); Monné, M.A. & Hovore, 2006: 99 (checklist); Pérez-Flores, Toledo-Hernández, Bezark & Monné, M.A. 2021 : 475

Ibidion griseolum Bates, 1892: 156, pl.5, fig. 13

Type locality - Lectotype male: Mexico, Guerrero: Chilpancingo. (BMNH).

Ibidion pubescens Casey, 1924: 260; Lingafelter *et al.*, 2014: 304, figs 137g, h (holotype).

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

Compsa lecontei Linsley, 1957e: 87

Neocompsa lecontei; Martins, 1965: 100.

Type locality - Holotype: Mexico, Baja California: Triunfo (6 mi N). (CASC).

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