

**Catalogue of the Cerambycidae (Coleoptera) of Canada and
United States of America. Part I. Subfamilies Parandrinae,
Prioninae and Spondylidinae**

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

All informations of the present catalogue were previously published, there is not unpublished data. The geographical distribution of the extant families and subfamilies in the North America is based on previously published records, supplemented by data extracted from several collections. The geographical distribution of the species from Canada were adapted from Bousquet, Laplante, Hammond and Langor, 2017. Tribes are listed in alphabetical order, and in each tribe genera and species follow the same order. Each species-group name is followed by author (s), publication year, page, and figure (if any), acronym of the institution depository of the type, host plants (when available) and when not strictly taxonomical, an abbreviated indication of the matter is given as:

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

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

AMNH - American Museum of Natural History, New York, New York, United States.
 ANSP - Academy of Natural Sciences, Philadelphia, Pennsylvania, United States.
 BMNH - The Natural History Museum, London, United Kingdom.
 CASC - California Academy of Sciences, San Francisco, California, United States
 CNCI - Canadian National Collection of Insects, Ontario, Ottawa, Canada.
 EMEC - Essig Museum of Entomology, University of California, Berkeley, California, United States.
 FMNH - Field Museum of Natural History, Chicago, Illinois, United States
 IUBC - Department of Zoology collection, Indiana University, Bloomington, United States
 LACM - Los Angeles County Museum of Natural History, Los Angeles, California, United States.
 LSUK - Linnean Society, London, United Kingdom.
 MCZN - Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, United States.
 MNHN - Muséum National d'Histoire Naturelle, Paris, France
 NHMW - Naturhistorisches Museum, Wien, Austria.
 NHRS - Naturhistoriska Riksmuseet, Stockholm, Sweden
 USNM - National Museum of Natural History, Washington, D. C., United States.
 UZIU - Uppsala University, Uppsala, Sweden.

ZMHB - Museum für Naturkunde der Humboldt-Universität, Berlin, Germany.
 ZMUM - Zoological Museum, Moscow State University, Moscow, Russia.

PARANDRINAE Blanchard, 1845

Parandrides Blanchard, C.E., 1845: 134.

Type-genus: *Parandra* Latreille, 1802.

Type-species: *Attelabus glaber* De Geer, 1774 by monotypy. Availability (under Article 11.7.2).

Parandraeidae; Gistel 1848a: (8).

PARANDRINI Blanchard, 1845

Parandrides Blanchard, C. E., 1845: 134.

Parandrae; Lameere, 1912b: 180; 1913: 4 (cat.); 1919: 4.

Parandrini; Gilmour, 1956: 2; Monné, M.A., 1994: 1 (cat.); Santos-Silva, 2002b: 30 (key gen.); Monné, M.A., 2006: 8 (cat.); Santos-Silva & Martins, 2010: 15; Cardona-Duque, Santos-Silva & Wollf, 2010: 138 (key gen.); Bousquet, Heffern, Bouchard & Nearn., 2009: 14; Santos-Silva, Heffern & Matsuda, 2010: 6 (key genera); Bouchard *et al.*, 2011: 454.

Type-genus: *Parandra* Latreille, 1802.

Type-species: *Attelabus glaber* De Geer, 1774 by monotypy. Availability (under Article 11.7.2): Parandrae Blanchard, 1845 (Lameere 1913: 4).

Neandra Lameere, 1912

Parandra (Neandra) Lameere, 1912b: 114; 1919: 15; Linsley, 1962: 5; Hatch, 1971: 91; Monné, M.A., 1994: 3 (cat.); Chemsak, 1996: 7; Santos-Silva, 2001: 239; 2002: 30 ; Bousquet, 2008: 62

Neandra; Santos-Silva. 2002: 30; Monné, M.A. & Hovore, 2006: 5 (checklist) ; Bousquet, 2008: 62 ; Santos-Silva, Heffern & Matsuda, 2010: 6; Svacha & Lawrence, 2014: 138; Bousquet. Laplante, Hammond & Langor, 2017: 28

Type species - *Tenebrio brunneus* Fabricius (monotypy)

1. Neandra brunnea (Fabricius, 1798)

Syntypes locality - Syntypes: Indiis. (ZMUC). **Distribution** - Eastern half of the United States and southeast Canada. **Host plants** - *Acer rubrum* Linnaeus (Aceraceae), *Castanea dentata* (Marshall) Borkhausen, *C. pumila* (Linnaeus) Miller, *Fagus* sp., *Quercus velutina* Lamarck (Fagaceae), *Carya* sp., *Juglans* sp. (Juglandaceae), *Liriodendron tulipifera* Linnaeus (Magnoliaceae), *Pinus rigida* Miller (Pinaceae), *Prunus cerasus* Linnaeus (Rosaceae), *Populus nigra* Linnaeus, *Salix alba* Linnaeus (Salicaceae), *Ailanthus glandulosa* Desfontaines (Simarubaceae) *Tilia americana* Linnaeus, *T. cordata* Miller, *T. platyphyllos* Scopoli (Tiliaceae)

Tenebrio brunneus Fabricius, 1798: 49: 1801: 148; Zimsen, 1964: 46

Parandra brunnea; Schoenherr, 1817: 334; Lepeletier & Audinet-Serville, 1825: 3; Harris, 1838: 88; White, 1853: 2; Horn, 1861: 43; Bland, 1861: 93; Thomson, 1861b: 84; Osten-Sacken, 1862: 118, pl. 2, fig. 6 (larva); Murray, 1862: 452, pl. 47, fig. 7; Thomson, 1867b: 113; Lacordaire, 1868: 23; Pettit, 1871: 105 ; Packard, 1872: 494; Horn, 1875: 150; Popenoe, 1877: 33; Provancher, 1877: 582; Schaupp, 1879: 24 (hosts); Riley, 1880: 23; Packard, 1881: 127; Townsend, 1886: 66; Packard, 1890: 481; Townsend, 1893: 202; Hopkins, 1893: 191; Chittenden, 1894: 96; Hamilton. 1895: 337; Smith, 1900: 284; Lameere, 1902a: 80; Dury. 1902: 158; Ulke, 1903: 25; Chagnon, 1905: 36; Tucker, 1907: 162; Fall & Cockerell, 1907: 190; Wickham, 1909: 28; Champlain, 1909: 181; Blatchley, 1910: 1007; Snyder, 1910: 1; Smith, 1910: 323; Gahan, 1911: 288; Casey, 1912: 216; Snyder, 1913: 131, fig. 12; Johnson, 1915: 314; Brooks, 1915: 1; Craighead, 1915: 12, pl. 3, fig. 6 ; pl. 4. figs 5.6; Chagnon, 1917: 229; Morris, 1918: 42; Nicolay, 1919: 20 ; Britton, 1920: 266, pl. 16: Craighead, 1923; 29, pl. 6, fig. 4; Hatch, 1925: 579; Fletcher, 1926: 143; Kirk & Knull, 1926: 21; Leonard, 1928: 432; Schaeffer, 1929: 39; Craighead & Middleton, 1930: 13; Barrett, 1932: 291; Beaulne, 1932: 197; Loding, 1933: 148; Herrick, 1935: 42, fig. 18; Sheppard, 1935: 97 ; Doane *et al.*,

- 1936: 161; Sheppard, 1936: 75; Chagnon.1936: 239; Brimley, 1938: 209; Loding, 1945: 112; Knull, 1946: 144 ;Craighead, 1950: 258; Beal, Haliburton & Knight, 1952: 72; Duffy, 1953: 102, figs 24-29; Gilmour, 1954: 3; Anderson, 1960: 282, fig. 11.4; Nüssler, 1961: 130 (introduction); Chagnon & Robert, 1962: 239; Swan & Papp, 1972: 441, fig. 924; Baker, 1972: 197; Furniss & Carolin, 1977: 287; Waters & Hyche, 1984: 284; White, 1985: 281; Gosling, 1986: 157; Bense, 1995: 96, fig. 288
- Isocerus brunneus*; Illiger, 1802: 295:
- Parandra (Neandra) brunnea*; Lameere, 1912b: 114; 1919: 16 (syn.); Hatch, 1971: 92; Chemsak, Linsley & Noguera, 1992: 12 (cat.); Chemsak, 1996: 8, pl. 1, figs 3, 4; Schiefer, 1998: 115; Heffern, 1998: 6; Sama, 2003: 8, 2 figs
- Parandra brunnea brunnea*; Linsley, 1957: 1; Gosling, 1973: 65; Kirk & Balsbaugh. 1975: 96; Stein & Tagestad, 1976: 27; Laliberté. Chantal & LaRochelle, 1977: 96; Turnbow & Wappes, 1978: 367; Turnbow & Franklin, 1980: 338; Gosling, 1984: 72; MacRae, 1993: 26; Yanega, 1996: 25, pl. 1, figs 1a, 1b; Linsley & Chemsak, 1997: 414 (hosts); Vlasák & Vlasakova, 2002: 204
- Parandra (Neandra) brunnea brunnea*; Linsley, 1962: 8; Monné, M.A., 1994: 3 (cat.); Peck & Thomas, 1998: 116
- Neandra brunnea brunnea*; Santos-Silva, 2002: 31
- Neandra brunnea*; Ferrer, Barclay & Hancock, 2004: 579, figs 6-10 (syntypes); Monné, M.A. & Hovore, 2006: 5 (checklist); Webster, McCorquada & Majka, 2009: 291; Bouyer, Drumont & Santos-Silva, 2012: 97; Biffi & Fuhrmann, 2013: 13; Holt, 2013: 242; Bouchard, 2014: 543; Klingeman *et al.*, 2017: 294; Bousquet. Laplante, Hammond & Langor, 2017: 18, pl. 1; Haack. Keena & Eyre, 2017: 76; Webster, 2016: 484; Haack, 2017: 118; Rice, MacRae & Merickel, 2017: 669
- Tenebrio purpureus* Herbst, 1799: 21, pl. 119, fig. 2
- Type locality** - Holotype: without locality (ZMHB)
- Parandra Sayi* Thomson, 1867b: 114; Lacordaire, 1868: 23; Thomson, 1878: 4
- Syntypes locality** - Syntypes: Amer. bor. (MNHN)
- Parandra quadricollis* Thomson, 1867: 114; Lacordaire, 1868: 23; Thomson, 1878: 4
- Type locality** – Holotype: Amer. Borealis. (MNHN)
- Parandra conformis* Thomson, 1867b: 115; Lacordaire, 1868: 23; Thomson, 1878: 4
- Type locality** - Holotype: Amer. Borealis. (MNHN)
- Parandra dentata* Thomson, 1867b: 115; Lacordaire, 1868: 23; Thomson, 1878: 4
- Type locality** 8 Holotype female; Amer. Borealis. (MNHN)
- Parandra minuta* Thomson, 1867b: 116; Lacordaire, 1868: 23; Thomson, 1878: 4
- Type locality** - Holotype female: Amer. Borealis. (MNHN)
- Parandra ampliceps* Casey. 1912: 216; Lingafelter *et al.*, 2014: 39, 369, fig. 36u (lect.)
- Type locality** - Lectotype male: United States, Indiana. (USNM)
- Parandra gravidula* Casey, 1912: 216; Lingafelter *et al.*, 2014: 71, 369, fig. 36w (lect.)
- Type locality** - Lectotype male: United States: Pennsylvania (USNM)
- Parandra brunnea coloradensis* Linsley, 1957: 2
- Type locality** - Holotype male: United States, Colorado. (AMNH)
- Parandra brunnea quebecensis* Abdullah, 1968: 75
- Type locality** - Holotype: Canada, Quebec, Morgans Arboretum. (depository unknown)
- 2. *Neandra marginicollis* (Schaeffer, 1929)**
- Type locality** - United States, California: Los Angeles County. (MCZN). **Distribution** – United States (California and southern Arizona). **Host plants** - *Alnus oblongifolia* Torrey. *A. rhombifolia* Nuttall (Betulaceae), *Quercus agrifolia* Née (Fagaceae), *Juglans regia* Linnaeus (Juglandaceae), *Platanus racemosa* Nuttall ex Audubon (Platanaceae), *Malus* sp. (Rosaceae).
- Parandra marginicollis* Schaeffer, 1929: 40; Doane *et al.*, 1936: 162; Moore, 1937: 86; Swan & Papp, 1972: 441, fig. 926
- Parandra (Neandra) marginicollis*; Linsley, 1962: 9, fig. 3; Chemsak, Linsley & Noguera, 1992: 13 (cat.); Chemsak, 1996: 10

Parandra marginicollis marginicollis; Hovore & Giesbert, 1976: 349; Linsley & Chemsak, 1997: 414

Neandra marginicollis; Santos-Silva, 2002: 3; Monné, M.A., & Hovore, 2006: 5 (checklist)

Parandra punctillata Schaeffer, 1929: 40; Doane *et al.*, 1936: 162; Linsley, Knull & Statham. 1961: 3; Lingafelter *et al.*, 2014: 396, fig. 149c (holotype)

Parandra (Neandra) marginicollis punctillata; Chemsak, Linsley & Noguera, 1992: 13

Parandra marginicollis punctillata; Furniss & Carolin, 1977: 288, fig. 170

Type locality – United States, Arizona, Santa Catalina Mountains and Prescott. (USNM)

PRIONINAE Latreille, 1802

Prionii Latreille, 1802: 212.

Type-genus: *Prionus* Geoffroy, 1762

Type-species: *Cerambyx coriarius* Linnaeus, 1758 (see ICZN 1994: 60).

CALLIPOGONINI Thomson, 1861

Callipogonitae Thomson, 1861a: 293, 323.

Callipogonides; Lacordaire, 1868: 91.

Callipogonines; Lameere, 1904a: 7.

Callipogonini; Lameere, 1912b: 181; 1919: 63; Melzer, 1919: 79; Heyrovsky, 1955: 68; Gilmour, 1956: 111; Monné, M.A., 2006: 28 (cat.). Bousquet *et al.*, 2009: 15; Bouchard *et al.*, 2011: 456.

Type-genus: *Callipogon* Audinet-Serville, 1832

Type-species: *Prionus barbatus* Fabricius, 1781 (monotypy).

Anacanthitae Thomson, 1864: 285.

Type-genus: *Anacanthus* Audinet-Serville, 1832 (junior homonym of *Anacanthus* Gray, 1831 [Pisces])

Type-species: *Anacanthus costatus* Audinet-Serville, 1832 (monotypy). Comment. This name is permanently invalid because it is based on a preoccupied type genus (Article 39).

Enoploceritae Thomson, 1864: 290.

Type-genus: *Enoplocerus* Audinet-Serville, 1832

Type-species: *Prionus armillatus* Fabricius, 1775 (monotypy).

Orthomegitae Thomson, 1864: 294.

Type-genus: *Orthomegas* Audinet-Serville, 1832

Type-species: *Cerambyx corticinus* Olivier, 1790 designated by Desmarest (1860: 307).

Ctenoscelitae Thomson, 1864: 295.

Ctenoscelinae Pascoe, 1869: 661, 663.

Type-genus: *Ctenoscelis* Audinet-Serville, 1832

Type-species: *Prionus ater* Olivier, 1795 designated by Thomson (1864: 297).

Ergatites Fairmaire in Jacquelin DuVal, 1864: 117, 191.

Ergatides; Lacordaire, 1868: 93.

Ergatini; LeConte, 1873b: 286; LeConte & Horn, 1883: 271; Leng, 1884: 8; Linsley, 1962: 24.

Type-genus: *Ergates* Audinet-Serville, 1832.

Type-species: *Prionus serrarius* Panzer, 1793 (monotypy). Availability (under Article 11.7.2).

Trichocnemis LeConte, 1851

Trichocnemis LeConte, 1851: 110; Thomson, 1864: 298; Casey, 1912: 221; Swift, Santos-Silva & Nearn, 2010: 39; Monné, M. A., 2012: 128.

Ergates (Trichocnemis); Casey, 1890: 490; 1891: 20; Lameere, 1904a: 46; 1919: 81.

Type-species - *Trichocnemis spiculatus* LeConte, 1851 (monotypy).

Ergates; LeConte & Horn, 1883: 271; Leng, 1884: 8; Horn, 1891: 41; Linsley, 1962: 24; Arnett, 1962: 855; Hatch, 1971: 92; Monné, M.A., 2006: 37 (cat.).

1. *Trichocnemis pauper* (Linsley, 1957)

Type locality - Holotype female: United States, California: Tulare County. (CASC).

Distribution - Sierra Nevada and Coast Range mountains of California. **Host plants** –

Quercus agrifolia Née, *Q. chrysolepis* Liebman, *Q. kelloggii* Newberry, *Q. wislizenii* A. de Candolle (Fagaceae)

Ergates pauper Linsley, 1957: 5; 1962: 29; Tyson, 1966: 203 (hosts); 1967: 125 (larva, pupa); Leech, 1968: 86(distr.); Hovore & Giesbert, 1976: 350 (hosts); Chemsak, Linsley & Noguera, 1992: 17 (cat.); Monné, M.A., & Giesbert, 1994: 9 (checklist); Monné, M.A., 1995: 11 (cat.); Chemsak, 1996: 89, fig. 11; Linsley & Chemsak, 1997: 373 (hosts); Monné, M.A., & Hovore, 2006: 5 (checklist)

Trichocnemis pauper; Swift, Santos-Silva & Nearn, 2010: 42, 2 figs

2. *Trichocnemis spiculatus spiculatus* LeConte, 1851

Type locality - Holotype male: United States, California. (MCZN). **Distribution** - Pacific Coast from British Columbia to southern California, northern Rocky Mountains and Mexico (Baja California, Durango). **Host plants** - *Abies concolor* Gordon & Glen, *A. magnifica* A. Murray, *Pinus contorta* Douglas ex Loudon, *P. insignis* Douglas ex Loudon, *P. jeffreyi* Balfour, *P. ponderosa* Douglas ex Lawson & P. Lawson, *P. tuberculata* Gordon, *Pseudotsuga menziesii* (Mirbel) Franco, *P. mucronata* Rafinesque (Pinaceae), *Sequoia sempervirens* (D. Don) Endlicher (Taxodiaceae).

Trichocnemis spiculatus LeConte, 1851: 110; Thomson, 1864: 298; Swift, Santos-Silva & Nearn, 2010: 43, figs 3-8.

Macrotoma spiculata; White, 1853: 40.

Ergates spiculatus; LeConte, 1854c: 218; 1857: 59, pl. 2, fig. 9a; Lacordaire, 1868: 96; LeConte, 1873b: 286; Snow, 1877: 19 (distr.); Riley, 1880: 238 (hosts); Packard, 1881: 162 (biol.); Snow, 1883: 42 (distr.); LeConte & Horn, 1883: 271; Leng, 1884: 8, pl. 2, fig. 9; Ricksecker, 1885: 97 (biol.); Rivers, 1886b: 6 (hosts); Horn, 1890: 161; 1891 :41 (syn.); Packard, 1890: 704 (hosts); Blaisdell, 1892: 34 (hosts); Beutenmuller, 1896: 73 (hosts); Wickham, 1897a: 167 (hosts); Harrington, 1899: 107 (distr.); Fall, 1901: 142 (distr.); Hopkins, 1904: 21, 35 (biol.); Wright & Coolidge, 1908: 68 (distr.); Craighead, 1915:17, pl. 3, fig. 7, pl. 4, figs 1, 2, pl. 6, fig. 2 (larva, pupa); Garnett, 1918: 172 (distr.); Hardy & Preece, 1926: 34 (hosts); Essig, 1926: 448, fig. 348 (larva); Beaulne, 1932: 197 (hosts); Ingles, 1933: 59 (biol.); Doane *et al.*, 1936: 162, figs 75, 77 (biol.); Moore, 1937: 87 (distr.); Kimmey & Furniss, 1943: 23, figs 6a-b (biol.); Spencer, 1949: 20 (biol.); DeLeon, 1952: 79 (hosts); Keen, 1952: 192, fig. 89 (biol.); Duffy, 1953: 116, fig. 49 (larva, pupa); Spencer & Buckell, 1957: 30 (paras.); Hardy, 1957: D64 (distr.); Linsley, 1957: 6; Schoening & Tilden, 1959: 167 (biol.); Duffy, 1960: 64 (larva, pupa); Linsley, 1962: 25, fig. 8; Tyson, 1967: 125, figs 5, 7 (larva, pupa); Hatch, 1971: 93, pl. 9, fig. 1; Swan & Papp, 1972: 443, fig. 932; Chemsak, Linsley & Noguera, 1992: 17 (cat.); Chemsak, 1996: 86; Haack, Keena & Eyre, 2017: 76 (eggs)

Ergates (Trichocnemis) spiculatus; Casey, 1890: 491, pl. 4, fig. 17; 1891: 21; Lameere, 1904a: 46; 1919: 81, pl. 5, fig. 1; Nishio, 1956b: 68, pl. 5, figs 3, 4; Monné, M.A., & Giesbert, 1994: 9 (checklist);

Ergates spiculatus spiculatus; Linsley, 1962: 27, figs 7, 8; Tyson, 1966: 203 (hosts); Arnaud, 1968: 81 (biol.); Hovore & Giesbert, 1976: 350 (hosts); Hovore, 1988: 3 (distr.); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 87, pl. 5, figs 7, 8; Linsley & Chemsak, 1997: 374 (hosts); Monné, M.A., 2002: 7 (cat. hosts); Monné, M.A., & Hovore, 2006: 11 (checklist); Monné, M.A., 2006: 37 (cat.).

Trichocnemis spiculatus spiculatus; Rice, Merickel & MacRae, 2017: 669 (distr.); Bousquet. Laplante, Hammond & Langor, 2017: 28, pl 1

Macrotoma californica White, 1853: 37.

Syntypes locality - Syntypes male: United States, California. (BMNH).

Macrotoma spiculigera White, 1853:39.

Type locality - Holotype female: United States, California. (BMNH).

2a. *Trichocnemis spiculatus neomexicanus* (Casey, 1890)

Type locality - Holotype male: United States, New Mexico. (USNM). **Distribution** - Rocky Mountains to New Mexico, southern Arizona and northern Mexico. **Host plants** - *Quercus sideroxyla* Kunth (Fagaceae), *Pinus arizonica* Engelm ex Rothrock, *P. engelmanni* Carr.

- var. *blancoi* Martínez, *P. latifolia* H. Mayr, *P. leiophylla chihuahuana* (Engelmann) A. E. Murray, *P. ponderosa* Douglas ex Lawson & P. Lawson (Pinaceae).
- Ergates (Trichocnemis) neomexicanus* Casey, 1890: 491, fig. 16; 1891: 20; Lameere, 1915: 54; Lingafelter *et al.*, 2014: 104, figs 115m, n (lect. designation).
- Ergates spiculatus* var. *neomexicanus*; Casey, 1893: 597.
- Trichocnemis neomexicana*; Casey, 1912: 221.
- Ergates neomexicanus*; Spieth, 1950: fig. 40.
- Ergates spiculatus neomexicanus*; Linsley, Knull & Statham, 1961: 29, fig. 8; Swan & Papp, 1972: 443; Kirk & Balsbaugh, 1975: 96 (distr.); Lewis, 1979: 22 (biol., distr.); Hovore, Penrose & Neck, 1987: 322 (hosts); Terrón, 1992: 299 (biol., distr.); Chemsak, Linsley & Noguera, 1992: 17 (cat.); Monné, M.A., & Giesbert, 1994: 9 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 88, pl. 5, figs 9, 10; Linsley & Chemsak, 1997: 374 (hosts); Heffern, 1998: 6 (distr.); Monné, M.A., 2002: 8 (cat. hosts); Monné, M.A., & Hovore, 2006: 11 (checklist) Monné, M.A., 2006: 36 (cat.).
- Ergates spiculatus*; Hamilton in Leng & Hamilton, 1896: 164; Knaus, 1904: 156 (distr.); Snow, 1906b: 170 (distr.); Fall & Cockerell, 1907: 191 (distr.).
- Ergates spiculatus* var. *marmoratus* Cockerell, 1890: 161; Horn, 1890: 161.
- Type locality** - Holotype female: United States, Colorado: Mountain Valley. (BMNH).

MACROTOMINI Thomson, 1861

- Macrotominae Thomson, 1861a: 290, 312; 1864: 298; 1865: 477.
- Macrotomides; Lacordaire, 1868: 96.
- Macrotominae; Pascoe, 1869: 661, 666.
- Macrotomiens; Lameere, 1903a: 89.
- Macrotomini; Lameere, 1912b: 180; 1913: 7 (cat.); Melzer, 1919: 27; Bradley, 1930: 227; Gilmour, 1956: 9; Linsley, 1962: 12; Villiers, 1980b: 140; Monné, M.A., 1995b: 1 (cat.); Chemsak, 1996: 70; Monné, M.A., 2006: 45 (cat.); Santos-Silva & Martins, 2006b: 398 (key genera); Bousquet, Heffern, Bouchard & Nearn, 2009: 17; Bouchard *et al.*, 2011: 457; Santos-Silva & Wappes, 2012: 4 (key genera North and Central America).

Type-genus: *Macrotoma* Audinet-Serville, 1832.

Type-species: *Prionus palmatus* Fabricius, 1793 designated by Desmarest (1860: 307).
Comment. *Macrotoma* Audinet-Serville, 1832 [July] is a junior homonym of *Macrotoma* Laporte, 1832 [April], a junior synonym of *Longina* Wiedemann, 1830 (Diptera). Heffern *et al.* (2006) applied the reversal of precedence (Article 23.9) to qualify *Macrotoma* Audinet-Serville of *nomen protectum*.

ARCHETYPINA Lameere, 1912

- Archetypi Lameere, 1912b: 180.
- Archetypina; Bousquet, Heffern, Bouchard & Nearn, 2009: 17; Bouchard *et al.*, 2011: 457.
- Type genus:** *Archetypus* Thomson, 1861.
- Type-species:** *Archetypus parandroides* Thomson, 1861 (subsequent designation, Thomson, 1864: 307).

Strongylaspis Thomson, 1861

- Strongylaspis* Thomson, 1861a: 313; 1864: 299; 1865: 477; Lacordaire, 1868: 100; Bates, 1879: 6; Lameere, 1903: 24; 1919: 23; Melzer, 1919: 28; Bradley, 1930: 227; Zayas, 1957: 160; Linsley, 1962: 12; Arnett, 1962: 855; Zajciw, 1970: 1; Cerda, 1974: 41; Zayas, 1975: 19; Villiers, 1980b: 143; Chemsak, 1996: 70; Monné, M.L. & Santos-Silva, 2003: 32 (rev.); Monné, M.A., 2006: 60 (cat.); Monné, M.A. & Hovore, 2006: 14 (checklist); Santos-Silva & Durán, 2009: 353 (key spp.); Monné, M.A., 2012: 130.

Type-species - *Strongylaspis scobinatus* Thomson, 1861, monotypy [= *Ergates corticarius* Erichson, 1849].

1. *Strongylaspis corticarius* (Erichson, 1848)

Syntypes locality - Syntypes male and female: Guiana. (ZMHB). **Distribution** - United States (Florida), Mexico (Veracruz), Guatemala, Belize, Honduras, El Salvador, Nicaragua, Costa Rica, Panama, Guyana, French Guiana, Venezuela, Brazil (Roraima), Cuba, Jamaica, Dominica, Martinique, St. Lucia, Dominican Republic.

Ergates corticarius Erichson in Schomburgk, 1849: 571; White, 1853: 11.

Strongylaspis corticarius; Bates, 1884: 234; Leng & Mutchler, 1914: 443 (distr.); Schwarz in Holland, 1917: 341 (distr.); Gowdey, 1926: 20 (distr.); Fisher, 1944: 3 (distr.); Franz, 1954: 215 (distr.); Zayas, 1957: 160, pl. 8; Linsley, 1962: 13; Zayas, 1975: 20, pl. 1, fig. b; Chemsak, Linsley & Mankins, 1980: 28 (distr.); Villiers, 1980a: 130; 1980b: 143, fig. 8; Wendt, 1984: 331 (syntypes); Chemsak, Linsley & Noguera, 1992: 16 (cat.); Maes *et al.*, 1994: 6 (distr.); Monné, M.A., & Giesbert, 1994: 7 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 70, pl. 4, figs 1, 2; Toledo *et al.*, 2002: 525 (distr.); Monné, M.L. & Santos-Silva, 2003: 45, figs 14, 18–28; Turnbow, Cave & Thomas, 2003: 4 (distr.); Lozada Piña, Fernández Garcia & Trujillo Anaya, 2004: 105 (distr.); Monné, M.A., 2006: 61 (cat.); Peck, 2005: 165 (distr.); 2006: 191 (distr.); Hovore, 2006: 371 (distr.); Monné, M.A. & Hovore, 2006: 14 (checklist); Noguera *et al.*, 2007: 310 (distr.); Touroult, 2007: 6 (distr.); Audureau, 2008: 4 (distr.); Swift *et al.*, 2010: 8 (distr.); Maes *et al.*, 2010a: 71, 7 figs (distr.); Touroult, 2012: 76, fig. 10 (distr.); Lingafelter, 2015: 355, 1d, 13a. (distr.); Devesa, Fonseca & Barro, 2015: 29, 50, figs 1-10; Peck, 2016: 171 (distr.).

Strongylaspis (Strongylaspis) corticaria; Lameere, 1903a: 31; Rosales, 1966: 56, pl. 2, figs 3, 4; Vitali & Rezbanyai-Reser, 2003: 5, figs 1 a, b.

Stongylaspis corticaria; Galileo & Martins, in Rafael, 1991: 328 (distr.); Maes, 1998: 884 (distr.); Bouyer & Santos-Silva, 2016: 87, figs 1-4; Audureau & Roguet, 2018: 58 (distr.).

Strongylaspis scobinatus Thomson, 1861a: 313; Chevrolat, 1862: 272; Thomson, 1864: 299; Lacordaire, 1868: 101; Bates, 1872: 167; 1879: 6, pl. 1, fig. 7, pl. 2, fig. 9; 1884: 232; Thomson, 1878a: 5 (type); Gahan, 1895a: 82; Schaeffer, 1909: 149; Gowdey, 1926: 20 (distr.).

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

Strongylaspis scobinatus var. *belti* Bates, 1884: 233.

Type locality - Holotype: Nicaragua, Chontales. (BMNH).

Strongylaspis lobulifer Bates, 1892b: 145.

Type locality - Holotype male: Mexico, Veracruz: Atoyac. (BMNH).

Hovatoma gramreta Gilmour, 1956: 30.

Hovatoma (Hovatoma) gramreta; Ferreira & Veiga Ferreira, 1959: 12; Gilmour, 1965: 3 (key).

Parahovatoma gramreta; Santos Ferreira, 1980: 63, 67.

Type locality - Holotype male: South Africa. (MAGD).

BASITOXINA Lameere, 1912

Basitoxi Lameere, 1912b: 180.

Basitoxina; Bousquet, Heffern, Bouchard & Nearn., 2009: 17; Bouchard *et al.*, 2011: 457.

Type-genus: *Basitoxus* Audinet-Serville, 1832

Type-species: *Basitoxus armatus* Audinet-Serville, 1832 designated by Desmarest (1860: 307).

Mécosarthrines Lameere, 1903b: 307 (based on *Mecosarthron* Buquet, 1840). *Nomen nudum*.

Comment. This name is unavailable under Article 11.7.2 (vernacular name proposed after 1899)

Mecosarthrini Melzer, 1919: 35.

Type-genus: *Mecosarthron* Buquet, 1840

Type-species: *Mecosarthron buphagus* Buquet, 1840 by monotypy.

Archodontes Lameere, 1903

Basitoxus (Archodontes) Lameere, 1903b: 216.

Archodontes; Lameere, 1919: 27; Casey, 1924: 224; Bradley, 1930: 227; Linsley, 1962: 13;

Arnett, 1962: 855; Chemsak, 1996: 71; Monné, M.A., 2006: 46 (cat.); Monné, M.A. &

Hovore, 2006: 12 (checklist); Monné, M.A., 2012: 129.

Type-species - *Cerambyx melanopus* Linnaeus, 1767 (original designation).

Aplagiognathus; Thomson, 1864: 307 (*partim*).

Mallodon; Horn in Leng, 1884: 9 (*partim*).

Paramallus Casey, 1912: 222, 227.

Type-species - *Cerambyx melanopus* Linnaeus, 1767 (original designation).

1. *Archodontes melanopus melanopus* (Linnaeus, 1767)

Type locality - Type: United States, Carolina. (depository unknown). **Distribution** - Southern United States from North Carolina to Louisiana. **Host plants** – *Acer negundo* Linnaeus (Aceraceae), *Diospyros virginiana* Linnaeus (Ebenaceae), *Carya illinoensis* (Wagenheim) K.Koch, *Quercus geminate* (Fagaceae), *Prunus persica* (Linnaeus) Batsch (Rosaceae).

Cerambyx melanopus Linnaeus, 1767: 623

Prionus melanopus; Fabricius, 1781: 208; 1787: 130; 1793: 250; Olivier, 1795: 18, pl. 112, fig. 46; Fabricius, 1801: 264; Schoenherr, 1817: 344; White, 1853:

Cerambyx (Prionus) melanopus; Gmelin, 1790: 1816

Mallodon melanopus; White, 1853: 46; Riley, 1880: 238; Packard, 1881: 28; Horn in Leng, 1884: 10; Riley, 1884: 410; Hubbard, 1886: 13; Packard, 1890: 50, pl. 35, fig. 1; Beutenmuller, 1896: 73 (hosts); Fall, 1901: 142; Knaus, 1903: 189; Hopkins, 1904: 37; Herrick, 1904: 21, figs 13,14; Craighead, 1915: 15; Garnett, 1918: 172; Dozier, 1920: 339, fig. 8b

Aplagiognathus melanopus; Thomson, 1864: 307; 1867c: 90

Basitoxus (Archodontes) melanopus; Lameere, 1903b: 217

Paramallus melanopus; Casey, 1912: 227

Archodontes melanopus; Lameere, 1913: 10; Casey, 1924: 224; Doane *et al.*, 1936: 263; Brimley, 1938: 209; Loding, 1945: 112; Sherman, 1946: 126; Alexander, 1958: 45; Linsley, 1962: 15; Baker, 1972: 206; Chemsak, Linsley & Noguera, 1992: 14; Brown & Peck, 1996: 2158; Chemsak, 1996: 72; Korotyayev *et al.*, 2005: 253 (hosts); Vlasak & Vlasakova, 2021: 5 (hosts)

Stenodontes melanopus; Herrick, 1935: 219;

Archodontes (Mallodon) melanopus; Craighead, 1950: 252

Archodontes melanopus melanopus; Linsley, 1962: 16; Turnbow & Franklin, 1980: 338; Monné, M.A., & Giesbert, 1994: 5 (checklist); Monné, M.A., 1995: 5 (cat.); Chemsak, 1996: 73, pl. 4, figs 3, 4; Yanega, 1996: 26, pl. 1, fig. 5; Linsley & Chemsak, 1997: 345 (hosts); Schiefer, 1998: 115; Peck & Thomas, 1998: 116; Monné, M.A. & Hovore, 2006: 12 (checklist); Holt, 2013: 243; Haack, 2017: 113. Klingeman *et al.*, 2017: 294

Prionus cilipes Say, 1824: 328;

Orthosoma cilipes; Haldeman, 1847a: 31

Mallodon cilipes Haldeman, 1847b: 371; LeConte, 1851: 111; White, 1853: 46; LeConte, 1859a: 48

Aplagiognathus cilipes; Thomson, 1867c: 90

Paramallus cilipes; Casey, 1912: 228

Archodontes cilipes; Casey, 1924: 224bi-

Syntypes locality - Syntypes female: United States, Carolina. (depository unknown).

Mallodon simplicicollis Haldeman, 1847a: 30

Type locality - Syntypes female: United States. (MCZH)

Mallodon simplicicollis var. *bi-impressum* Haldeman, 1847a: 30

Type locality - Holotype male: United States (MCZH)

1a. *Archodontes melanopus aridus* Casey, 1924

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

Distribution - United States (Colorado River in California and Arizona), Mexico (Baja California). **Host plants** - *Salix* sp. (Salicaceae).

Archodontes aridus Casey, 1924: 224; Lingafelter *et al.*, 2014: 19, figs 19q, r (holotype).

Archodontes melanopus aridus; Linsley, 1962: 17, fig. 4; Chemsak, Linsley & Noguera, 1992: 14 (cat.); Monné, M.A., & Giesbert, 1994: 5 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 75, pl. 4, figs 7, 8; Linsley & Chemsak, 1997: 345 (hosts); Monné, M.A., 2002: 12 (cat.); Monné, M.A., 2006: 46 (cat.); Monné, M.A. & Hovore, 2006: 12 (checklist);

1b. *Archodontes melanopus serrulatus* (LeConte, 1854)

Syntypes locality - Syntypes: United States, Texas: Laredo to Ringgold Barracks. (MCZN).

Distribution - Southwestern United States from Arkansas to Arizona, northern Mexico. **Host plants** - *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Citrus paradisi* Macfadyen (Rutaceae), *Populus* sp. (Salicaceae).

Mallodon serrulatus LeConte, 1854b: 82; 1858a: 40; 1859e: 127, pl. 3, fig. 5; Riley, 1880: 238 (hosts); Horn in Leng, 1884: 9, 10; Wickham, 1893: 143; Snow, 1906a: 146 (distr.); Schaeffer, 1908: 329 (distr.).

Aplagiognathus serratulus; Thomson, 1867c: 91 (error).

Paramallus serrulatus; Casey, 1912: 228.

Archodontes melanopus serrulatus; Dean, 1953: 174; Linsley, Knull & Statham, 1961: 3; Linsley, 1962: 16, fig. 4; Manley & French, 1976: 46; MacKay, Zak & Hovore, 1987: 363; Hovore, Penrose & Neck, 1987: 293; Chemsak, Linsley & Noguera, 1992: 14 (cat.); Lingafelter & Horner, 1993: 163; Monné, M.A., & Giesbert, 1994: 5 (checklist); Chemsak, 1996: 74, pl. 4, figs 5, 6; Linsley & Chemsak, 1997: 345 (hosts); Monné, M.A., 2006: 46 (cat.); Monné, M.A. & Hovore, 2006: 12 (checklist);

Archodontes serrulatus; Alexander, 1958: 45

MALLODONINI Thomson, 1861

Mallodonitae Thomson, 1861a: 292 (key), 318; 1864: 305.

Mallodonites; Thomson, 1867c: 85.

Mallodontides; Lacordaire, 1868: 122.

Mallodontinae; Pascoe, 1869: 661, 671.

Mallodontini; LeConte, 1873b: 286; LeConte & Horn, 1883: 271; Leng, 1884: 8; Casey, 1912: 221; Villiers, 1980b: 140.

Mallodonini Drumont & Komiya, 2010: 91; Bouchard *et al.*, 2011: 459.

Type-genus: *Mallodon* Lacordaire, 1830

Type-species: *Cerambyx spinibarbis* Linnaeus, 1758 (monotypy).

Stenodontines Lameere, 1902c: 63, 104 (based on *Stenodontes* Audinet-Serville, 1832). *Nomen nudum*. Comment. This name is unavailable under Article 11.7 (vernacular name proposed after 1899).

Stenodontini Lameere, 1903a: 4 (key), 54.

Type-genus: *Stenodontes* Audinet-Serville, 1832.

Type-species: *Prionus exsertus* Olivier, 1795 designated by Desmarest (1860: 307).

***Mallodon* Lacordaire, 1830**

Mallodon Lacordaire, 1830: 171; Chevrolat in D'Orbigny, 1846a: 609; Desmarest, 1860: 307; Strauch, 1861: 124; Schjodte, 1865: 194; Thomson, 1867c: 92; Lacordaire, 1868: 125; Desmarest in Chenu, 1870: 307; Bates, 1879: 8; Leng, 1884: 9; Lameere, 1902c: 91; Casey, 1912: 221, 222; Lameere, 1913: 12; 1919: 31; Fragoso & Monné, M.A., 1995a: 217 (syn.); Chemsak, 1996: 78; Monné, M.A., 2006: 48 (cat.); Monné, M.A. & Hovore, 2006: 12 (checklist); Bousquet, 2007: 619; Monné, M.A., 2012: 129.

Type-species - *Cerambyx spinibarbis* Linnaeus, 1758 (monotypy).

Stenodontes (*Orthomallodon*) Linsley, 1957: 3; 1962: 19.

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

1. *Mallodon dasystemus dasystemus* (Say, 1824)

Type locality - Type: Lower Missouri River. (Depository unknown). **Distribution** - Southern United States, Mexico (Jalisco, Nayarit, Sinaloa, Tamaulipas, Veracruz), Honduras, Tobago, Colombia. **Host plants** - *Acer negundo* Linnaeus, *A. pseudoplatanus* Linnaeus (Aceraceae), *Alnus* sp. (Betulaceae), *Bursera simaruba* (Linnaeus) Sargent (Burseraceae), *Celtis laevigata* Willdenow (Cannabaceae), *Casuarina equisetifolia* Linnaeus (Casuarinaceae), *Quercus* sp. (Fagaceae), *Liquidambar styraciflua* Linnaeus (Hamamelidaceae), *Carya* sp. (Juglandaceae), *Inga* sp. (Mimosaceae), *Ficus* sp., *Morus* sp. (Moraceae), *Platanus occidentalis* Linnaeus,

- P. wrightii* S. Watson (Platanaceae), *Salix* sp. (Salicaceae), *Bumelia lanuginosa* (Michaux) (Sapotaceae), *Ulmus crassifolia* Nuttall (Ulmaceae).
- Prionus dasystemus* Say, 1824: 326; 1835: 193; LeConte, 1859b: 184, 663.
- Mallodon dasystemus*; LeConte, 1851: 112; White, 1853: 46; LeConte, 1858a: 40 (distr.); Riley, 1880: 238 (hosts); Packard, 1881: 28 (biol.); Horn *in* Leng, 1884: 9, 10, pl. 2, fig. 5; Packard, 1890: 79, fig. 27 (biol.); Beutenmuller, 1896: 73 (hosts); Hebard, 1903: 261; Townsend, 1903: 75 (distr.); Hopkins, 1904: 37 (biol.); Tucker, 1906: 87 (distr.); Snow, 1906a: 147 (distr.); Schaeffer, 1908: 327; Wickham, 1909a: 40 (distr.); Mason, 1910: 24 (distr.); Casey, 1912: 223; Craighead, 1915: 14, pl. 3, fig. 2, pl. 5, fig. 2, pl. 7 (larva, pupa); Fragoso & Monné, M.A., 1995a: 219; Chemsak, 1996: 78, pl. 4, figs 11, 12; Monné, M.A., 2002: 13 (cat. hosts); Monné, M.A. & Hovore, 2006: 12 (checklist); Mankin *et al.*, 2018: 321 (biol.).
- Aplagiognathus dasystemus*; Thomson, 1861a: 320; 1867c: 91.
- Stenodontes (Mallodon) dasystemus dasystemus*; Lameere, 1902c: 77.
- Stenodontes (Mallodon) dasystemus*; Hatch & Ortenburger, 1930: 14 (distr.); Craighead, 1950: 252 (biol.); Gilmour, 1954: 7 (distr.); Franz, 1954: 216 (distr.); Duffy, 1960: 62 (larva, pupa).
- Stenodontes dasystemus*; Brimley, 1938: 209 (distr.); Loding, 1945: 112 (distr.); Vogt, 1949: 138 (distr., hosts); Dean, 1953: 174 (hosts); Dillon & Dillon, 1961: 576, pl. 57, No. 8; Solomon, Newsome & Darwin, 1972: 78.
- Stenodontes (Orthomallodon) dasystemus*; Linsley, 1957: 4; 1962: 19; Skiles, 1978a: 414; Chemsak, Linsley & Noguera, 1992: 15 (cat.).
- Stenodontes (Orthomallodon) dasystemus dasystemus*; Linsley, 1957: 4 (syn.); 1962: 20, fig. 5; Hovore, Penrose & Neck, 1987: 283, fig. 5 (biol., distr.); Lingafelter & Horner, 1993: 164 (distr.); MacRae, 1993: 226 (distr.); Monné, M.A., & Giesbert, 1994: 6 (checklist); Noguera & Chemsak, 1996: 396 (cat.).
- Stenodontes (Mallodon) dasystemus*; Duffy, 1960: 62 (larva).
- Stenodontes dasystemus*; Baker, 1972: 205 (biol.); Manley & French, 1976: 46, fig. 1; Browne & Peck, 1996: 2158, 2160; Toledo *et al.*, 2002: 525 (distr.); Peck, Cook & Hardy, 2002: 17 (distr.).
- Stenodontes dasystemus dasystemus*; Perry, 1974: 215 (distr.); Thomas, 1977: 83 (hosts); Turnbow & Franklin, 1980: 338 (distr.); Linsley & Chemsak, 1997: 434 (hosts).
- Mallodon dasystemus dasystemus*; Monné, M.A., 1995b: 9 (cat.); Turnbow, Cave & Thomas, 2003: 3 (distr.); Hovore & Santos-Silva, 2004: 51 (syn.); Monné, M.A., 2006: 48 (cat.); Santos-Silva & Martins, 2006: 397 (syn.); Hovore, 2006: 371 (distr.); Noguera *et al.*, 2007: 310 (distr.); Swift *et al.*, 2010: 8 (distr.); Maes *et al.*, 2010a: 47, 12 figs (distr.); Gutiérrez & Noguera, 2015: 136 (distr.); Audureau & Roguet, 2018: 58 (distr.); Vlasak & Vlasakova, 2021: 5 (hosts)
- Mallodon dasystemus*; García Morales *et al.*, 2015: 112 (distr.).
- Mallodon costulata* LeConte, 1851: 111; White, 1853: 46.
- Aplagiognathus costulatus*; Thomson, 1867c: 91.
- Syntypes locality** - Syntypes female: United States, Georgia. (MCZN).
- Mallodon degeneratum* Thomson, 1867c: 95.
- Syntypes locality** - Syntypes male: America boreali. (MNHN).
- Mallodon masticator* Thomson, 1867c: 99; 1878a: 5 (type).
- Stenodontes (Mallodon) dasystemus masticator*; Lameere, 1902c: 78.
- Stenodontes (Mallodon) masticator*; Linsley, 1934b: 161; 1942: 85.
- Stenodontes (Stenodontes) masticator*; Linsley, Knull & Statham, 1961: 3, fig. 2.
- Stenodontes (Orthomallodon) dasystemus masticator*; Linsley, 1962: 21; Chemsak, Linsley & Noguera, 1992: 15 (cat.); Maes *et al.*, 1994: 5 (distr.); Noguera & Chemsak, 1996: 396 (cat.); Maes, 1998: 883 (distr.).
- Stenodontes dasystemus masticator*; Linsley & Chemsak, 1997: 435 (hosts).
- Mallodon dasystemus masticator*; Martínez, 2000: 84 (distr.).
- Syntypes locality** - Syntypes male: Colombia. (MNHN).
- Mallodon angustatum* Thomson, 1867c: 100; 1878: 5 (type); Bates, 1872: 168; 1879: 9 (distr.); 1884: 236; Dugés, 1884: 13, pl. 2 (larva, pupa).
- Syntypes locality** - Syntypes male: Mexico. (MNHN).

Aplagiognathus guatemalensis Casey, 1912: 227; Lingafelter *et al.*, 2014: 73, figs 78m, n (holotype).

Type locality - Guatemala, Escuintla. (USNM).

Mallodon debile Casey, 1912: 222; Lingafelter *et al.*, 2014: 50, figs 53c, d (holotype).

Stenodontes debile; Loding, 1945: 113 (distr.).

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

Mallodon baroni Casey, 1912: 223; Lingafelter *et al.*, 2014: 25, figs 25u, v (holotype).

Stenodontes (Orthomallodon) baroni; Chemsak, Linsley & Noguera, 1992: 15 (cat.); Noguera & Chemsak, 1996: 396 (cat.).

Nothopleurus baroni; Fragoso & Monné, M.A., 1995a: 219; Monné, M.A., 2006: 54 (cat.).

Type locality - Holotype female: Mexico, Guerrero. (USNM). Distribution - Mexico (Guerrero).

Stenodontes dasytomus socorrensis Linsley & Chemsak, 1966c: 251; Chemsak & Linsley, 1978: 139 (distr., host).

Stenodontes (Orthomallodon) dasytomus socorrensis; Chemsak, Linsley & Noguera, 1992: 15 (cat.); Monné, M.A., & Giesbert, 1994: 6 (checklist); Noguera & Chemsak, 1996: 396 (cat.).

Mallodon dasystemus socorroensis; Monné, M.A., 1995b: 10 (cat.).

Type locality - Holotype male: Mexico, Islas Revilla Gigedo: Isla Socorro. (CASC).

Stenodontes (Mallodon) molarius; Linsley, 1942: 83 (not Bates, 1879).

Mallodon melanopus; Haldeman, 1847a: 30 (not Linnaeus, 1767).

Mallodon spinibarbe; Haldeman, 1847a: 31 (not Linnaeus, 1758).

Mallodon mandibularis Lackerbeck, 1998: 517, figs 1, 2.

Type locality - Holotype male: Costa Rica, Alajuela: Cariblanco. (KLPC).

***Neomallodon* Linsley, 1957**

Stenodontes Neomallodon) Linsley, 1957: 2; 1962: 18.

Neomallodon; Skiles, 1978a: 409; Chemsak, 1996: 83; Santos-Silva & Martins, 2006: 399; Monné, M.A. & Hovore, 2006: 13 (checklist); Santos-Silva & Wappes, 2013: 5.

Type-species - *Paramallus arizonicus* Casey, 1912: 228. (original designation).

1. *Neomallodon arizonicus* (Casey, 1912)

Type locality - Lectotype female: United States (USNM). **Distribution** - United States (Arizona), Mexico (Sonora, Jalisco). **Host plants** - *Quercus* sp. (Fagaceae).

Paramallus arizonicus Casey, 1912: 228.

Stenodontes (Neomallodon) arizonicus; Linsley, 1957: 3 (syn.); Linsley, Knull & Statham, 1961: 3 (distr.); Linsley, 1962: 19.

Neomallodon arizonicus; Skiles, 1978a: 409, fig. 1; Chemsak, Linsley & Noguera, 1992: 14 (cat.); Monné, M.A., & Giesbert, 1994: 5; Fragoso & Monné, M.A., 1995: 219

(checklist); Chemsak, 1996: 83, pl. 5, figs 5, 6; Linsley & Chemsak, 1997: 434 (hosts); Monné, M.A. & Hovore, 2006: 13 (checklist); Lingafelter *et al.*, 2014: 20, 369, fig. 20a (lect.);

Heffern & Santos-Silva, 2016: 571.

Aplagiognathus remotus Linsley, 1934c: 161.

Type locality - Holotype male: United States, Arizona: Mt. Washington, near Nogales, Santa Cruz County. (CASC).

Nothopleurus Lacordaire, 1868

Nothopleurus Lacordaire, 1868: 125; Bates, 1879: 8; Lameere, 1912b: 129; Casey, 1912: 222, 224; Linsley, 1934b: 162; Quentin & Villiers, 1975: 29; Villiers, 1980b: 140; Fragoso & Monné, M. A., 1995a: 219; Chemsak, 1996: 79; Monné, M.A., 2006: 54 (cat.); Monné, M.A. & Hovore, 2006: 13 (checklist); Santos-Silva, Swift & Nearn, 2010: 8; Monné, M.A., 2012: 129.

Stenodontes (Nothopleurus); Lameere, 1902d

c: 94; 1919: 32; Gilmour, 1956: 13.

Type-species - *Nothopleurus ebeninus* Lacordaire, 1868 (monotypy).

Mallodon Audinet-Serville, 1832: 176; Thomson, 1864: 307 (not Lepeletier & Audinet-Serville in Lacordaire, 1830).

Type-species - *Prionus maxillosus* Fabricius, 1775 (Thomson designation, 1864: 308).

1. *Nothopleurus lobigenis* Bates, 1884

Type locality - Holotype male: Mexico, Bahia de Tehuantepec. (MNHN). **Distribution** - United States (Texas to southern California), Mexico (Baja California, Durango, Jalisco, Sonora, Oaxaca, Nayarit, Chiapas, Puebla, Morelos, Sinaloa, Guerrero). **Host plants** - *Schinus molle* Linnaeus (Anacardiaceae), *Baccharis sergiloides* Gray, *B.sarothroides* A. (Asteraceae), *Bursera* sp. (Burseraceae), *Parkinsonia torreyana* S. Watson (Caesalpiniaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Ficus* sp. (Moraceae).

Nothopleurus lobigenis Bates, 1884: 235; Fragoso & Monné, M.A., 1995a: 219; Chemsak, 1996: 81, pl. 5, figs 3, 4; Monné, M.A., 2002: 16 (cat. hosts); Noguera *et al.*, 2002: 623 (distr.); Monné, M.A., 2006: 55 (cat.); Monné, M.A. & Hovore, 2006: 13 (checklist); Noguera *et al.*, 2007: 310 (distr.); Noguera *et al.*, 2009: 87 (distr.); Santos-Silva, Swift & Nearn, 2010: 12, figs 3, 4, 23, 24, 38, 39, 58, 67, 71, 76; Noguera *et al.*, 2012: 620 (distr.); Amith & Lingafelter, 2017: 308 (distr.); Noguera *et al.*, 2017: 3 (distr.); Vlasak & Vlasakova, 2021: 5 (hosts)

Stenodontes (Nothopleurus) lobigenis; Lameere, 1902c: 101; Linsley, 1934b: 59 (distr.); 1934c: 162; 1935a: 69 (distr.); Linsley & Ross, 1940: 76 (biol.); Linsley, 1942: 24; Gilmour, 1954: 7, pl. 6, fig. 9.

Stenodontes lobigenis; Brimley, 1938: 209 (distr.); Chemsak & Noguera, 1995: 57 (distr.); Linsley & Chemsak, 1997: 435 (hosts).

Stenodontes (Mallodon) lobigenis; Linsley, 1962: 23, fig. 6; Skiles, 1978a: 414; Monné, M.A., & Giesbert, 1994: 6 (checklist); Hovore, 1988: 2 (hosts, distr.); Chemsak, Linsley & Noguera, 1992: 15 (cat.); Noguera & Chemsak, 1996: 396 (cat.).

Stenodontes lobigenis; Turnbow & Franklin, 1980: 347 (distr.).

Mallodon gnatho LeConte, 1858b: 81 (not *Mallodon gnatho* White, 1853); 1858a: 40; LeConte & Horn, 1883: 272.

Type locality - Holotype male: Sonora. (MCZN).

Mallodon mandibulare Gemminger, 1872: 254 (not *Prionus mandibularis* Fabricius, 1801); Bates 1879: 10; 1884: 234; Horn *in* Leng, 1884: 9; Horn, 1894: 337 (distr.); Garnett, 1918: 172 (distr.).

Nothopleurus komiyai Santos-Silva & Martins, 2006: 194, figs 7-9; Monné, M.A. *et al.*, 2017a: 85 (holotype).

Type locality - Holotype female: Brazil, Bahia: Santo Antonio. (MZSP).

2. *Nothopleurus madericus* (Skiles, 1978)

Type locality - Holotype male: United States, Arizona: Santa Cruz Co., Madera Canyon (Roundup Picnic Ground, 5400 ft). (USNM). **Distribution** - United States (Arizona), Mexico (Chihuahua). **Host plants** - *Quercus hypoleuca* Engelm (Fagaceae).

Stenodontes (Mallodon) madericus Skiles, 1978a: 414, figs 2-6; Chemsak, Linsley & Noguera, 1992: 15 (cat.); Monné, M.A., & Giesbert, 1994: 6 (checklist); Lingafelter *et al.*, 2014: 94, figs 104c, d (holotype).

Nothopleurus madericus; Fragoso & Monné, M.A., 1995a: 225, fig. 7B; Chemsak, 1996: 80, pl. 5, figs 1, 2; Monné, M.A., 2002: 16 (cat. hosts); Monné, M.A., 2006: 55 (cat.); Monné, M.A. & Hovore, 2006: 13 (checklist); Santos-Silva, Swift & Nearn, 2010: 19, figs 5, 6, 26, 27, 41, 42, 60, 76.

Stenodontes madericus; Linsley & Chemsak, 1997: 435 (hosts).

Stenodontes arizonicus; Hovore & Giesbert, 1976: 350 (not Casey, 1912); Hovore, Penrose & Giesbert, 1978: 99 (hosts).

Stenodontes Audinet-Serville, 1832

Stenodontes Audinet-Serville, 1832: 173; Laporte, 1840: 403; Blanchard, C.E., 1845: 142; Drapiez, 1845: 123; Chevrolat *in* D'Orbigny, 1849: 10; Gistel & Bromme, 1850: 425;

Jacquelin DuVal *in* Sagra, 1857: 257; Strauch, 1861: 124; Thomson, 1861a: 323; 1864: 308; 1865: 480; 1867b: 105; Lacordaire, 1868:123; Desmarest *in* Chenu, 1870: 307; Leng, 1884: 9; Lameere, 1902d: 67; Casey, 1912: 222, 224; Melzer, 1919:43; Lameere, 1919: 30; Bradley, 1930: 227; Gilmour, 1956: 10; Zayas, 1957: 160; Dillon & Dillon, 1961: 576; Linsley, 1962: 17; Arnett, 1962: 855; Zayas, 1975: 21; Fragoso & Monné, M.A.,1995a: 219; Chemsak, 1996: 76; Monné, M.A., 2006: 58 (cat.); Monné, M.A. & Hovore, 2006: 14 (checklist); Monné, M.A., 2012: 130.

Stenodontes (*Stenodontes*); Laporte, 1840: 403; Lameere, 1902d: 91; 1919: 33; Linsley, 1962: 17.

Type-species - *Prionus exsertus* Olivier, 1795 (subsequent designation, Desmarest *in* Chenu, 1860: 307).

1. *Stenodontes chevrolati* Gahan, 1890

Syntypes locality - Syntypes male and female: Cuba. (BMNH). **Distribution** - United States (Florida), Cuba, Bahamas, Cayman Islands. **Host plants** - *Spondias purpurea* Linnaeus (Anacardiaceae), *Cordia gerascanthus* Linnaeus (Boraginaceae), *Bursera simaruba* (Linnaeus) Sargent (Burseraceae), *Cecropia peltata* Linnaeus (Cecropiaceae), *Tectona grandis* Linnaeus filis (Lamiaceae), *Ceiba pentandra* (Linnaeus) Gaertner (Malvaceae), *Samanea saman* (Jacquin) Merrill (Mimosaceae), *Pinus caribaea* Morelet (Pinaceae).

Stenodontes chevrolati Gahan, 1890: 23; 1895a: 82; Casey, 1912: 224; Leng & Mutchler, 1914: 443 (distr.); Schwarz *in* Holland, 1917: 340; Zayas, 1957: 160, pl. 10; Chemsak, 1969a: 185 (distr.); Zayas, 1975: 21, pl. 1, fig. c; Chemsak, Linsley & Noguera, 1992: 14 (cat.); Browne, Peck & Ivie, 1993: 40 (distr.); Chemsak, 1996: 77, pl. 4, figs 9, 10; Linsley & Chemsak, 1997: 434 (hosts); Monné, M.A., 2002: 17 (cat. hosts); Aragón, 2006: 54 (distr.); Monné, M.A., 2006: 59 (cat.); Monné, M.A. & Hovore, 2006: 14 (checklist); Thomas & Turnbow, 2007: 582 (distr.); Fernández García, Favila Castillo & López Iborra 2009: 322 (distr.); Thomas, Turnbow & Steiner, 2013: 20 (distr.); Devesa, Fonseca & Barro, 2015b: 29, 46, figs 1-10.

Stenodontes (*Stenodontes*) *chevrolati*; Lameere, 1902d: 92; Cazier & Lacey, 1952: 5; Linsley, 1957: 4 (syn.); Duffy, 1960: 60 (larva); Linsley, 1962: 18; Skiles, 1978a: 414; Monné, M.A., & Giesbert, 1994: 6 (checklist); Peck, 2005: 164 (distr.).

Stenodontes damicornis; Chevrolat, 1862: 273 (not Linnaeus, 1771); LeConte *in* Schwarz, 1878: 470.

Stenodontes exsertus; Horn, 1880b: xvii (not Olivier, 1795).

Stenodontes mandibularis; Leng, 1884: 9 (not pl. 2, fig. 10; not Fabricius, 1801).

Stenodontes cubensis Casey, 1912: 224 ; Leng & Mutchler, 1914: 443 (distr.); Peck, 2005: 165 (distr.); Lingafelter *et al.*, 2014: 48, figs 51m, n (lect. designation).

Type locality - Lectotype male: Cuba, Habana. (USNM).

Stenodontes parallelus Casey, 1912: 225; Lingafelter *et al.*, 2014: 295, figs 127q, r (holotype).

Type locality - Holotype male: Southern Florida ?. (USNM).

MEROSCELISINI Thomson, 1861

Meroscelisitae Thomson, 1861a: 285, 299; 1864: 279.

Meroscélisides; Lacordaire, 1868: 46.

Meroscelisini; Galileo, 1987a: 148 (rev.); Monné, M. A., 1995b: 63 (cat.); Chemsak, 1996: 125; Monné, M. A., 2006: 71 (cat.); Bousquet, Heffern, Bouchard & Nearn., 2009: 19; Bouchard *et al.*, 2011: 459.

Type-genus: *Meroscelisus* Audinet-Serville, 1832

Type-species: *Meroscelisus violaceus* Audinet-Serville, 1832 (monotypy).

Aegosomitae Thomson, 1861a: 308 (*partim*).

Orthosomitae Thomson, 1864: 284 (*partim*).

Tragosomitae Thomson, 1864: 286.

Tragosomides; Lacordaire, 1868: 163.

Tragosomini; LeConte, 1873b: 289; LeConte & Horn, 1883: 274; Leng, 1884: 8; Linsley, 1961: 629; 1962: 53

Tragosomiens; Lameere, 1912b: 59

Tragosomae; Lameere, 1919: 157.

Type-genus: *Tragosoma* Audinet-Serville, 1832

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

Tragosomites; Fairmaire in Jacquelin DuVal, 1864: 119, 191. (based on *Tragosoma* Audinet-Serville, 1832). *Nomen nudum*. Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Fairmaire 1864).

Clostérides Lacordaire, 1868: 149 (*partim*).

Closterinae; Pascoe, 1869: 661, 676 (*partim*).

Closteriens; Lameere, 1912b: 5 (*partim*).

Closteri; Lameere, 1913: 81 (cat.); 1919: 145 (*partim*).

Closterina; Gilmour, 1956: 220.

Closterini; Quentin & Villiers, 1974: 250; Fragoso & Monné, M. A., 1982: 519.

Type-genus: *Closterus* Audinet-Serville, 1832.

Type-species: *Closterus flabellicornis* Audinet-Serville, 1832 (monotypy). Availability (under Article 11.7.2): *Closteri* Lacord[aire], 1869 (Lameere 1913: 81).

Monodesmides Lacordaire, 1868: 140, 157 (based on *Monodesmus* Audinet-Serville, 1832). *Nomen nudum*. Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Lacordaire 1868 [1869]).

Monodesminae Gahan, 1890: 299.

Monodesmiens; Lameere, 1912b: 80.

Type-genus: *Monodesmus* Audinet-Serville, 1832

Type-species: *Monodesmus callidioides* Audinet-Serville, 1832 (monotypy).

Luluina Gilmour, 1956: 181 (key), 222.

Type-genus: *Lulua* Burgeon, 1931

Type-species: *Lulua squamosa* Burgeon, 1931 (monotypy).

***Tragosoma* Audinet-Serville, 1832**

Tragosoma Audinet-Serville, 1832: 159; Mulsant, 1839: 23; Laporte, 1840: 398; Drapiez, 1845: 479; Chevrolat in D'Orbigny, 1849: 633; Gistel, 1848b: 130; LeConte, 1851: 107; Thomson, C. G., 1859: 148; Desmarest, 1860: 306; Thomson, 1861a: 290; 1865: 472; Mulsant, 1863: 42, 348; Fairmaire in Jacquelin DuVal, 1864a: 120; Schjodte, 1865: 195; Lacordaire, 1868: 167; Desmarest in Chenu, 1870: 306; LeConte, 1873b: 289; Redtenbacher, 1874: 396; Provancher, 1877: 583; LeConte & Horn, 1883: 274; Leng, 1884: 59; Casey, 1890: 491; 1899: 98 (key spp.); Reitter, 1912: 4; Lameere, 1912b: 59; 1919: 158; Schaufuss, 1916: 825; Planet, 1924: 22; Casey, 1924: 225; Portevin, 1927: 8; Picard, 1929: 38; Chagnon, 1936: 239; Plavilstshikov, 1936: 99; Knull, 1946: 147; Heyrovsky, 1955: 72; Linsley, 1962: 54; Arnett, 1962: 855; Chagnon & Robert, 1962: 239; Hatch, 1971: 92; Galileo, 1987a: 165 (rev.); Chemsak, 1996: 126; Monné, M.A., 2006: 76 (cat.); Monné, M.A. & Hovore, 2006: 17 (checklist); Monné, M.A., 2012: 131; Laplante, 2017: 4 (rev.); Bousquet. Laplante, Hammond & Langor, 2017: 30 (key spp)

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

1. *Tragosoma depsarium* (Linnaeus, 1767)

Type locality - Type: Suecia. **Distribution** - Coniferous forests of the Northern Hemisphere.

Host plants – *Picea abietis* Linnaeus, *P. excelsa* Link, *Pinus contorta* Douglas ex Loudon, *P. monophylla* Torrey ex Frémont, *P. peuce* Grisebach, *P. pumilio* Haenkel, *P. rigida* Miller, *P. sibirica* Mayr, *P. strobus* Linnaeus, *P. sylvestris* Linnaeus, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Cerambyx depsarius Linnaeus, 1767: 624;

Tragosoma depsarium; Hamilton, 1889: 145; 1892: 296; 1894: 395; 1895: 337; Leng & Hamilton, 1896: 164 (syn.); Casey, 1899: 98; Mutchler, 1912: 213; Lameere, 1912b: 61; Garnett, 1918: 173; Casey, 1924: 225; Essig, 1926: 450; Mank, 1934: 79; Knowlton & Thatcher, 1936: 278; Chagnon, 1936: 239, pl. 15, fig. 2; Moore, 1937: 87; Linsley, Knull & Statham, 1961: 7 (distr.); Linsley, 1962: 54, fig. 19; 1953: 166; Chemsak, 1965: 93; Tyson, 1967: 124, figs 1-3 (larva, pupa); Hatch, 1971: 84, pl. 9, fig. 3; Baker, 1972: 198; Gosling, 1973: 68; Kirk &

Balsbaugh, 1975: 97; Hovore & Giesbert, 1976: 350 (hosts); Furniss & Carolin, 1977: 390 (hosts); Galileo, 1987: 109, figs; Chemsak, Linsley & Noguera, 1992: 22; Monné, M.A., 1995: 64 (cat.); Yanega, 1996: 27, pl. 1, fig. 7; Chemsak, 1996: 127, pl., 9, figs 6.7; Linsley & Chemsak, 1997: 446 (hosts); Heffern, 1998: 7; Vlasák & Vlasakova, 2002: 204; Monné, M.A. & Hovore, 2006: 17 (checklist); Laplante, 2017: 10, fig. 8; Rice, MacRae & Merickel, 2017: 669 (distr.)

2. *Tragosoma harrisii* LeConte, 1851

Syntypes locality - Syntypes: Newfoundland, Connecticut. (MCZN). **Distribution** - Canada, Mexico, USA: Northeastern USA north to Labrador, west to southern Northwest Territories and British Columbia, south along the Rocky Mountains to northern Mexico (Chihuahua), along the Cascade range and the Sierra Nevada to southern California. **Host plants** - *Pinus ponderosa* Douglas ex Lawson & P. Lawson (Pinaceae).

Tragosoma Harrisii LeConte, 1851: 107; White, 1853: 28; Fitch, 1858: 715; LeConte, 1861b: 354; Lacordaire, 1868: 168; LeConte, 1867: 371; Pettit, 1871: 105 (distr.); LeConte, 1873b: 289; Horn, 1873: 717; Provancher, 1877: 583; Schaupp, 1878: 20 (distr.); Riley, 1880: 238 (hosts); LeConte & Horn, 1883: 274; Wickham, 1897b: 83

Tragosoma harrisii; Harrington, 1881: 33 (hosts); Packard, 1881: 162 (hosts); Snow, 1883: 42 (distr.); Leng, 1884: 60, pl. 2, fig. 7; Hamilton, 1889: 144 (hosts); Packard, 1890: 704 (hosts); Casey, 1890: 491; Beutenmuller, 1896: 74 (hosts); Wickham, 1897c: 156 (distr.); 1897a: 167 (hosts). Chagnon, 1897c: 14; Harrington, 1899: 107; Casey, 1899: 98; Smith, 1900: 284 (distr.); Fall, 1901: 143 (distr.). Ouellet, 1902: 122 (distr.); Knaus, 1903: 176 (distr.); Chagnon, 1905: 36 (distr.); Felt, 1906: 659, fig. 188 (distr.); Fall & Cockerell, 1907: 191 (distr.); Smith, 1910: 323 (distr.); Fisher & Kirk, 1912: 309 (distr.); Craighead, 1915: 17, pl. 3, fig. 1, pl. 4, fig. 3 (larva); Chagnon, 1917: 230 (distr.); Craighead, 1923: 29; Beaulne, 1932: 197 (hosts); Ingles, 1933: 59 (biol.); Craighead, 1950: 269; Keen, 1952: 183 (hosts); Clark, 1956: 41; Monné, M.A., & Giesbert, 1994: 18 (checklist); Webster, 2016: 484; Laplante, 2017: 10, figs 5, 7 (rev.); Bousquet. Laplante, Hammond & Langor, 2017: 30, pl 2

Tragosoma depasarium var. *harrisii*; Hamilton, 1890: 44; Champlain, Kirk & Knull, 1925: 105 (hosts); 1925: 139 (distr.); Hatch, 1925: 579 (distr.); Kirk & Knull, 1926: 21 (distr.); Procter, 1927: 110 (distr.); Leonard, 1928: 433 (distr.); Knowlton & Thatcher, 1936: 278 (distr.); Doane *et al.*, 1936: 165; Procter, 1946: 176; Knull, 1946: 147, pl. 3, fig. 8; Hardy, 1948: 31 (distr.); Knowlton & Wood, 1950: 10 (distr.).

Tragosoma depasarium race *harrisii*; Schaeffer & Leng, 1912: 213.

Tragosoma sodalis Casey, 1899: 98; Fall & Cockerell, 1907: 191 (distr.); Lingafelter *et al.*, 2014: 361 (holotype); Laplante, 2017: 10 (syn. lectotype).

Tragosoma sodale; Galileo, 1987: 183 (rev.).

Syntypes locality - Syntypes male and female: United States, Colorado. (USNM).

Tragosoma parvicollis Casey, 1899: 99; Fall & Cockerell, 1907: 191 (distr.); Lingafelter *et al.*, 2014: 361 (holotype); Laplante, 2017: 10 (syn.).

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

Tragosoma repens Casey, 1924: 226; Knowlton & Thatcher, 1936: 278 (distr.); Laplante, 2017: 10 (syn.).

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

3. *Tragosoma pilosicorne* Casey 1890

Type locality - Holotype female: United States, California: Mount Diablo. (USNM).

Distribution - Northern, coastal and traverse mountain ranges of California and southern Oregon. **Host plants** - *Pinus ponderosa* Douglas ex Lawson & P. Lawson, *P. sabiniana* Douglas ex D, Don (Pinaceae)

Tragosoma pilosicornis Casey, 1890: 492m pl. 4, figs 14, 14^a; Leng & Hamilton, 1896: 164; Casey, 1899: 99; Fall, 1901: 143 (distr.); Klages, 1901: 289; Casey, 1924: 226; Leech, 1957: 51 (distr.); Linsley, 1962: 58; Tyson, 1967: 123, figs 2, 4 (larva, nympe). Galileo, 1987: 177, figs; Chemsak, Linsley & Noguera, 1992: 22 (cat.); Monné, M.A., & Giesbert, 1994: 18 (checklist); Monné, M.A., 1995: 65 (cat.); Chemsak, 1996: 130, pl. 9, figs 10, 11; Monné, M.A.

& Hovore, 2006: 17 (checklist); Wescott *et al.*, 2006: 10 (distr.); Lingafelter *et al.*, 2014: 299, fig. 132e (holotype); Laplante. 2017: 10, fig; 6 (distr.)

Tragosoma depsarium form *pilosicornis*; Garnett, 1918: 173

4. *Tragosoma soror* Laplante 2017

Type locality - Holotype male: United States: Idaho, Ada County. (CNCI); **Distribution** - From southern British Columbia southeastward in the Rocky Mountains to central western Wyoming and southward along the Cascade range to the Sierra Nevada and the San Bernardino Mountains in central California. **Host plants** - *Pinus conorta* Douglas ex Loudon (Pinaceae)

Tragosoma soror Laplante, 2017: 4, figs 1-3; Bousquet, Laplante, Hammond & Langor, 2017: 31, fig. 14; Vlasak & Vlasakova, 2021: 6 (hosts)

5. *Tragosoma spiculum* Casey 1890

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

Distribution - United States, Southern Rocky Mountains (southern Colorado, New Mexico) and isolated mountains in southeastern Arizona. **Host plants** - *Pinus leiophylla chihuahuana* (Engelmann) A.E.Murray (Pinaceae)

Tragosoma spiculum Casey, 1890: 492, pl. 4, fig. 15; Leng & Hamilton, 1896: 164; Casey. 1899: 99; Fall & Cockerell, 1907: 191 (distr.); Casey, 1912: 231; 1924: 226; Lingafelter *et al.*, 2014: 322, fig. 158c (holotype); Laplante, 2017: 8, 11 (syn.)

Tragosoma depsarium race *spiculum*; Schaeffer & Leng, 1912: 213

Tragosoma chiricahuae Linsley, 1959: 127; Linsley, Knull & Statham, 1961: 7, fig. 3 (distr.); Linsley, 1962: 57; Ruetter, 1970: 22 (paratype); Lewis, 1979: 22 (distr.); Galileo, 1987: 180, figs; Chemsak. Linsley & Noguera, 1992: 22 (cat.); Monné, M.A., & Giesbert, 1994: 18 (checklist); Monné, M.A., 1995: 64 (cat.); Chemsak, 1996: 128, pl. 9, figs 8, 9; Linsley & Chemsak, 1997: 446 (hosts); Heffern 1998: 7 (distr.); Monné, M.A. & Hovore, 2006: 17 (checklist)

PRIONINI Latreille, 1802

Prionii Latreille, 1802: 212.

Type-genus: *Prionus* Geoffroy, 1762

Type-species: *Cerambyx coriarius* Linnaeus, 1758 (see ICZN 1994: 60).

Prioniens; Chevrolat in D'Orbigny, 1847: 468.

Prionitae Verae Thomson, 1861a: 327.

Prionites; Fairmaire in Jacquelin DuVal, 1864a: 116, 191.

Prionites vrais; Lacordaire, 1868: 59.

Prionini; LeConte, 1873b: 286, 288; LeConte & Horn, 1883: 273; Leng, 1884: 8; Lameere, 1912b: 182; 1919: 104; Melzer, 1919: 128; Bradley, 1930: 227; Heyrovsky, 1955: 70; Gilmour, 1956: 125; Linsley, 1962: 30; Monné, M.A., 1995b: 48 (cat.); Chemsak, 1996: 91; Monné, M.A., 2006: 77 (cat.); Bousquet *et al.*, 2009: 19; Bouchard *et al.*, 2011: 460.

Prioceria Rafinesque, 1815: 116 (based on *Prioceras* Rafinesque, 1815). *Nomen nudum*. Comment. This name is unavailable under Article 11.7.1.1 (not based on an available generic name).

Cyrtognathites Blanchard, C.E. 1845: 138, 164 (based on *Cyrtognathus* Faldermann, 1835). *Nomen nudum*. Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Blanchard 1845).

Psalidognathites Blanchard, C.E. 1845: 138, 165 (based on *Psalidognathus* Gray, 1832). *Nomen nudum*. Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Blanchard 1845).

Prionommitae Thomson, 1861a: 295 (key), 327

Type-genus: *Prionomma* White, 1853

Type-species: *Prionus orientalis* Olivier, 1795 (monotypy).

Cyrthognathitae Thomson, 1861a: 328

Type-genus: *Cyrtognathus* Faldermann, 1835

- Type-species:** *Prionus paradoxus* Falderman, 1833 (monotypy).
Psalidognathitae Thomson, 1861a: 331.
Type-genus: *Psalidognathus* Gray, 1832
Type-species: *Psalidognathus friendii* Gray, 1832 (monotypy).
Orthosomitae Thomson, 1864: 284.
Type-genus: *Orthosoma* Audinet-Serville, 1832
Type-species: *Prionus cylindricus* Fabricius, 1775 (monotypy).
Pithoclitae Thomson, 1864: 291.
Type-genus: *Pithocles* Thomson, 1864
Type-species: *Derobrachus procerus* Thomson, 1860 (original designation).
Derobrachitae Thomson, 1864: 291.
Type-genus: *Derobrachus* Audinet-Serville, 1832
Type-species: *Derobrachus brevicollis* Audinet-Serville, 1832 (monotypy).
Derobrachinae Pascoe, 1869: 661.
Derobrachini; LeConte, 1873b: 286, 287; LeConte & Horn, 1883: 272; Leng, 1884: 8.
Titanitae Thomson, 1864: 292.
Type-genus: *Titanus* Audinet-Serville, 1832
Type-species: *Cerambyx giganteus* Linnaeus, 1771 (monotypy).
Aulacoceritae Thomson, 1864: 292.
Type-genus: *Aulacocerus* White, 1853
Type-species: *Aulacocerus mundus* White, 1853 (monotypy).
Psalidocoptides Lacordaire, 1868: 37, 38 (based on *Psalidocoptus* White, 1856). *Nomen nudum*.
 Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Lacordaire 1868 [1869]).
Polyarthrides Lacordaire, 1868: 38, 44 (based on *Polyarthron* Audinet-Serville, 1832). *Nomen nudum*.
 Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Lacordaire 1868 [1869]).
Micropsalides Lacordaire, 1868: 42 (based on *Micropsalis* Burmeister, 1865). *Nomen nudum*.
 Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Lacordaire 1868 [1869]).
Polyarthrini Gounelle, 1911: 326.
Type-genus: *Polyarthron* Audinet-Serville, 1832
Type-species: *Prionus pectinicornis* Fabricius, 1793 (monotypy).
Micropsalini Gounelle, 1911: 326.
Type-genus: *Micropsalis* Burmeister, 1861 (junior homonym of *Micropsalis* Meyer, 1859 [Crustacea])
Type-species: *Micropsalis heterogama* Burmeister, 1861 by monotypy. Comment. This name is permanently invalid because it is based on a preoccupied type genus (Article 39).

***Derobrachus* Audinet-Serville, 1832**

Derobrachus Audinet-Serville, 1832: 154; Laporte, 1840: 402; Blanchard, C. E., 1845: 141; LeConte, 1851: 109; Desmarest, 1860: 307; Strauch, 1861: 125; Thomson, 1861a: 294; 1864: 291; 1865: 474; Lacordaire, 1868: 73; Desmarest *in* Chenu, 1870: 307; LeConte, 1873b: 288; Bates, 1879: 4; LeConte & Horn, 1883: 273; Leng, 1884: 10; Lameere, 1911: 260; 1919: 122; Bradley, 1930: 227; Linsley, 1940: 253; 1962: 30; Arnett, 1962: 855; Chemsak & Linsley, 1977: 508; Chemsak, 1996: 91; Monné, M.A., 2006: 79 (cat.); Monné, M.A. & Hovore, 2006: 17 (checklist); Santos-Silva, 2007a: 3 (rev.); Monné, M.A., 2012: 131.

Derobrachus (*Derobrachus*); Lameere, 1911: 263; 1919: 123.

Type-species - *Derobrachus brevicollis* Audinet-Serville, 1832 (monotypy).

Pithocles Thomson, 1864: 291; Lacordaire, 1868: 72; Bates, 1879: 4.

Type-species - *Pithocles procerus* Thomson, 1864 (original designation).

Braderochus Lacordaire, 1868: 74 (*partim*).

1. *Derobrachus brevicollis* Audinet-Serville, 1832

Syntypes locality - Syntypes male and female: United States, Georgia. (BMNH).

Distribution - Southern United States from North Carolina and Florida to Texas, **Host plants** - *Quercus* sp. (Fagaceae)

Derobrachus brevicollis Audinet-Serville, 1832: 155; Laporte, 1840: 402; Chevrolat, 1844: 62; Haldeman, 1847a: 31; LeConte, 1851: 109; White, 1853: 12; Strauch, 1861: 125; Thomson, 1864: 291; Lacordaire, 1868: 73; Chenu, 1870: 307; LeConte, 1873: 287; LeConte & Horn, 1883: 273; Leng, 1884: 11; Schaeffer, 1902: 236; Wickham, 1909b: 402; Dozier, 1920: 366; Doane *et al.*, 1936: 163; Loding, 1945: 113; Sherman, 1946: 126; Fattig, 1947: 4; Linsley, 1962: 33; Swan & Papp, 1972: 442; Chemsak & Linsley, 1977: 514; Morris, 1987: 140; Chemsak, Linsley & Noguera, 1992: 19; Monné, M.A., & Giesbert, 1994: 13 (checklist); Monné, M.A. 1995: 46; Browne & Peck, 1996: 2158; Chemsak, 1996: 99, pl. 6, figs 7, 8; Linsley & Chemsak, 1997: 364; Peck & Thomas, 1998: 116; Monné, M.A. & Hovore, 2006: 17 (checklist); Santos-Silva, 2007: 8, figs; Holt, 2013: 243; Klingeman *et al.*, 2017: 294

Derobrachus (Derobrachus) brevicollis; Lameere, 1911: 263

2. *Derobrachus geminatus* LeConte, 1853

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

Distribution - United States (Texas to California), Mexico (Baja California, Durango, Chihuahua, Sonora, Sinaloa). **Host plants** - *Cercidium microphyllum* Rose & I.M. Johnston (Caesalpiniaceae), *Olea* sp. (Oleaceae).

Derobrachus geminatus LeConte, 1853: 233; 1858a: 40 (distr.); 1859a: 16, pl. 2, fig. 12; 1873b: 287, 288; LeConte & Horn, 1883: 273; Snow, 1883: 42 (distr.); Leng, 1884: 11, pl. 2, fig. 11; Bates, 1884: 231; 1892: 145; Horn, 1894: 337 (distr.); Townsend, 1895: 46 (distr.); Griffith, 1900: 569 (distr.); Fall, 1901: 142; Schaeffer, 1902: 236; Fall & Cockerell, 1907: 191 (distr.); Garnett, 1918: 173 (distr.); Smyth, 1934: 116 (biol.); Linsley, 1934b: 59 (distr.); Doane *et al.*, 1936: 163; Vogt, 1949: 138 (biol.); Thomas, 1951: 35 (hosts); Linsley, 1962: 31, fig. 10; Chemsak & Linsley, 1977: 510; Furniss & Carolin, 1977: 288 (hosts); MacKay, Zak & Hovore, 1987: 363 (hosts); Hovore, Penrose & Neck, 1987: 294; Hovore, 1988: 3 (distr.); Chemsak, Linsley & Noguera, 1992: 19 (cat.); Lingafelter & Horner, 1993: 164 (distr.); Monné, M.A., & Giesbert, 1994: 13 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 95, figs 1, 3; Linsley & Chemsak, 1997: 364 (hosts); Monné, M.A., 2002: 21 (cat. hosts); Monné, M.A., 2006: 80 (cat.); Monné, M.A. & Hovore, 2006: 18 (checklist); Santos-Silva, 2007a: 51, figs (syn.); Noguera *et al.*, 2009: 87 (distr.); Santos-Silva & Galileo, 2011: 43 (distr.).

Braderochus geminatus; Lacordaire, 1868: 74.

Derobrachus (Derobrachus) geminatus geminatus; Lameere, 1911: 264.

Derobrachus (Derobrachus) geminatus; Duffy, 1960: 68 (hosts).

Derobrachus forreri Bates, 1884: 230; Schaeffer, 1902: 236; Grossbeck, 1912: 325 (distr.);

Chemsak & Linsley, 1970: 405 (lect.); 1977: 511; Wendt, 1984: 333 (syntype); Chemsak,

Linsley & Noguera, 1992: 19 (cat.); Noguera & Chemsak, 1996: 396 (cat.)

Derobrachus (Derobrachus) geminatus forreri; Lameere, 1911: 265.

Derobrachus geminatus var. *forreri*; Van Dyke, 1934: 58 (hosts).

Derobrachus geminatus forreri; Linsley, 1942: 25; 1962: 33, fig. 10; Terrón, 1992: 300 (distr.);

Linsley & Chemsak, 1997: 364 (hosts).

Derobrachus geminatus; LeConte, 1861a: 335 (not LeConte, 1853).

Type locality - Lectotype male: Mexico, Sinaloa: Presidio de Mazatlán. (BMNH).

3. *Derobrachus hovorei* Santos-Silva, 2007

Type locality - Holotype male: United States, California: Palm Springs (Riverside Co.).

(EMEC). **Distribution** - United States (California, Nevada, Arizona, New Mexico, Texas), Mexico (Chihuahua, Sonora, Nuevo León, Durango, Tamaulipas, Coahuila). **Host plants** - *Cercidium microphyllum* Rose & I.M. Johnston (Caesalpiniaceae), *Quercus* sp. (Fagaceae), *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae), *Morus rubra* Linnaeus (Moraceae), *Citrus* sp. (Rutaceae), *Populus* sp. (Salicaceae), *Ulmus* sp. (Ulmaceae), *Vitis* sp. (Vitaceae).

Derobrachus hovorei Santos-Silva, 2007a: 19, figs (host); García Morales *et al.*, 2015:112 (distr.); Moura & Von Groll, 2017: 457 (paratype).

Derobrachus geminatus; Bates, 1884: 231 (distr.); Schaeffer, 1902: 236 (dustr.); Heyne & Taschenberg, 1908: 237; Linsley, 1962: 31; Chemsak, 1996: 95, figs 1, 3; Linsley & Chemsak, 1997: 364 (hosts) (not LeConte, 1853)

Derobrachus (Derobrachus) geminatus; Lameere, 1911: 264 (part); 1913: 67 (cat.); 1919: 123 (part).

Derobrachus geminatus geminatus; Linsley, Knull & Statham, 1961: 5; Linsley, 1962: 32, figs 9, 10; Linsley & Chemsak, 1997: 364 (hosts); Kingsley, 1998: 52; Monné, M.A., 2002: 21 (hosts) (not LeConte, 1853)

4. *Derobrachus leechi* Chemsak & Linsley, 1977

Type locality - Holotype male: United States, California: Imperial Co., Holtville. (CASC).

Distribution - United States (California, Arizona and Nevada), Mexico (Baja California, Sonora). **Host plants** - *Prosopis juliflora* (Swartz) de Candolle (Mimosaceae).

Derobrachus leechi Chemsak & Linsley, 1977: 512; Chemsak, Linsley & Noguera, 1992: 19 (cat.); Monné, M.A., & Giesbert, 1994: 13 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 97, pl. 6, figs 5, 6; Monné, M.A., 2002: 22 (cat. hosts); Monné, M.A., 2006: 81 (cat.); Monné, M.A. & Hovore, 2006: 18 (checklist); Santos-Silva, 2007a: 17, figs; Noguera *et al.*, 2009: 87 (distr.).

Orthosoma Audinet-Serville, 1832

Orthosoma Audinet-Serville, 1832: 155; Laporte, 1840: 401; Drapiez, 1842: 195; LeConte, 1851: 110; Thomson, 1861a: 289; 1864: 285; Lacordaire, 1868: 145; Chenu, 1870: 307; LeConte, 1873b: 288; Provancher, 1877: 582; LeConte & Horn, 1883: 273; Leng, 1884: 11; Wickham, 1897: 82; Casey, 1912: 230; Linsley, 1940: 253; Knull, 1946: 145; Dillon & Dillon, 1961: 577; Linsley, 1962: 35; Arnett, 1962: 855; Monné, M.A., 1995: 48; Chemsak, 1996: 100; Monné, M.A. & Hovore, 2006: 18 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 29;

Type species - *Prionus cylindricis* Fabricius, 1781 (*Cerambyx brunneus* Forster, 1771) (monotypy)

1. *Orthosoma brunneum* (Forster 1771)

Type locality - Type: America Septentrionali (LSUK). **Distribution.** Southeastern Canada, eastern Canada, eastern and Central United States. **Host plants** - *Ostrya virginiana* (Miller) K. Koch (Betulaceae). *Cercis canadensis* Linnaeus (Caesalpiniaceae). *Juniperus virginiana* Linnaeus (*Cupressaceae*), *Robinia pseudoacacia* Linnaeus (Fabaceae). *Juglans nigra* Linnaeus (Juglandaceae), *Pinus strobus* Linnaeus, *P. rigida* Mill., *P. virginiana* Mill., *Tsuga canadensis* (Linnaeus) Carriere (Pinaceae).

Cerambyx brunneus Forster 1771: 37;

Cerambyx (Lamia) brunneus Gmelin, 1790: 1828

Lamia brunnea; Olivier, 1797: 453

Orthosoma brunneum; LeConte, 1873b: 288; Provancher, 1877: 583; Popenoe, 1877: 33; Riley, 1880: 238; Packard, 1881: 30, fig. 72; LeConte & Horn, 1883: 273; Leng, 1884: 11, pl. 2, fig. 8; Saunders, 1884: 54, fig. 21; Horn, 1886: 138; Harrington, 1887: 30, fig. 14; 1890: 185; Packard, 1890: 82, fig. 238, pl. 20, fig. 1; Riley & Howard, 1892: 239; Gahan, 1895: 83; Hamilton, 1895: 337; Fyles, 1896: 24, figs 9, 10; Beutenmuller, 1896: 74; Wickham, 1897b: 83, fig. 12; Ehrmann, 1897: 170; Smith, 1900: 284; Ehrman, 1900: 620; Dury, 1902: 158; Ulke, 1903: 25; Hopkins, 1904: 37; Melander, 1904: 20; Morris, 1908: 446, fig. 15; Wickham, 1909a: 28; Smith, 1910: 323; Blatchley, 1910: 1011, fig. 423; Lameere, 1911: 262; Leng, 1911: 215; Casey, 1912: 230; Fisher & Kirk, 1912: 309; Frost, 1912: 306; Leng & Mutchler, 1914: 444; Craighead, 1915: 15, pl. III, fig. 4, pl. IV, figs 6 & 7, pl. V, fig. 1, pl. VIII, figs 2 & 3; Johnson, 1915: 314; Chagnon, 1817: 230; Dozier, 1918: 334; Nicolay, 1919: 63; Britton, 1920: 266; Dozier, 1920: 340; Kempers, 1923: 102, fig. 571; Casey, 1924: 226; Kirk & Knull, 1926: 21; Fletcher, 1926: 143; Leonard, 1928: 433; Ware, 1929: 368;

- Beaulne, 1932: 197; Barrett, 1932: 190; Wolcott & Montgomery, 1933: 154; Goldman, 1933: 96, pl. 5, figs 54-57; Moennich, 1934: 98; Sheppard, 1935: 97; Chagnon, 1936: 239, pl. 15, fig. 1; Doane *et al.*, 1936: 163, fig. 77; Brimley, 1938: 210; Savely, 1939: 339; Loding, 1945: 113; Knull, 1946: 145, pl. 2, fig. 1; Craighead, 1950: 258; Beal *et al.*, 1952: 133; Zayas, 1957: 157; Linsley, 1957: 4; Alexander, 1958: 46; Gibson & Carrillo, 1959: 117; Anderson, 1960: 279; Dillon & Dillon 1961: 577, pl. 42, fig. 5; Chagnon & Robert, 1962: 239, pl. 15, fig. 1; Linsley, 1962: 35; Paim & Beckel, 1963: 1149, figs 1-10; 1964: 99; 1964: 295; 1964: 327; Baker, 1972: 205; Solomon, [Newsome] & Darwin, 1972: 78; Swan & Papp, 1972: 442, fig. 930; Gosling, 1973: 66; Meeking, Seabrook & Paim, 1974: 257; White, Paim & Seabrook, 1974: 235; Zayas, 1975: 44; Kirk & Balsbaugh, 1975: 96; Fox, 1975: 237; Solomon, Doolittle & Spilman, 1976: 290; Laliberté, Chantal & LaRoche, 1977: 96; Turnbow & Franklin, 1980: 338; White, 1985: 281, fig. 122; Rice, Turnbow & Hovore, 1985: 18; Arnett, 1985: 360; Gosling, 1986: 157; Chemsak, Linsley & Noguera, 1992: 19; MacRae, 1993: 226; Monné, M.A., & Giesbert, 1994: 14 (checklist); Monné, M.A., 1995: 48; Chemsak, 1996: 100, pl. 6, figs 8-10; Yanega, 1996: 26, figs 8a, 8b; Linsley & Chemsak, 1997: 413; Schiefer, 1998: 115; Peck & Thomas, 1998: 116; Vlasák & Vlasakova, 2002: 204; Monné, M.A. & Hovore, 2006: 18 (checklist); Webster, MacCorquale & Majka, 2009: 201; Holt, 2013: 243; Steury & MacRae, 2014: 9; Vlasak, 2014: 317; Webster, 2016: 484; Klingeman *et al.*, 2017: 294; Bousquet, Laplante, Hammond & Langor, 2017: 29, pl. 1; Heffern, Vlasák & Alten, 2018: 740; Vlasak & Vlasakova, 2021: 5 (hosts)
- Derobrachus (Orthosoma) brunneum*; Lameere, 1913: 65; Hatch, 192Drury, 1773: 83, pl. 37, fig 1
- Orthosoma (Orthosoma) unicolor*; Laporte, 1840: 402
- Prionus unicolor*; Harris, 1841: 80; 1852: 85
- Orthosoma unicolor*; LeConte, 1852: 177; Chenu, 1870: 307; Packard, 1872: 495
- Type locality** - Holotype: United States. New York (Depository unknown)
- Cerambyx pennsylvanicus* Degeer, 1775: 99, pl. 13, fig. 13
- Prionus (Orthosoma) pennsylvanicus* Drury & Westwood, 1837: 78, pl. 47, fig. 1
- Prionus pennsylvanicus*; Emmons, 1854: 115, pl. 34, fig. 10
- Orthosoma pennsylvanicus*; Fitch, 1858: 714; Thomson, 1864: 285] Lacordaire, 1868: 146
- Type locality** - Type: United States. Pennsylvania (NHRS)
- Prionus cylindricus* Fabricius, 1781: 207; 1787: 229; 1793: 247, Olivier, 1795: 23, pl. 1, fig. 6; Fabricius, 1801: 251; Harris, 1838: 88
- Orthosoma cylindricum*; Audinet-Serville, 1832: 156; Drapiez, 1842: 195; Haldeman, 1847a: 31; LeConte, 1851: 110; Bland, 1861: 93; Walsh, 1865: 90; Walsh & Riley, 1868: 19; 1868: 40; Redtenbacher, 1868: 201; Riley, 1870: 87, fig. 60; Pettit, 1871: 105; Riley, 1872: 139; Saunders, 1875: 29; Bethune, 1877: 23; 1877: 222; Harrington, 1881: 33
- Syntypes locality** - Syntypes: Amerique Boreale, (ZMUC)
- Cerambyx (Prionus) cylindroides* Gmelin, 1790: 1818
- Type locality** - Type: Amerique Boreale (NHRS)
- Prionus sulcatus* Olivier, 1795: 39, pl. 8, fig. 27
- Orthosoma sulcatus* Chevrolat, 1852: 650
- Type locality** - Holotype: Cayenne. (depository unknown)
- Orthosoma amplians* Casey, 1912: 231; Lingafelter *et al.*, 2014: 15, fig. 14u (holotype)
- Orthosoma brunneus amplians*; Casey, 1924: 226
- Type locality** - Holotype female: United States, Indiana. (USNM)
- Orthosoma spadix* Casey, 1912: 231; Lingafelter *et al.*, 2014: 322, fig. 157 o (holotype)
- Type locality** - Holotype female: United States, New York: Willets Point; (USNM)

Prionus Geoffroy, 1762

- Prionus* Geoffroy, 1762: 198; Fabricius, 1775: 159; Latreille, 1802: 265; Lepeletier & Audinet-Serville *in* Latreille, 1825: 199; Stephens 1831: 226; Gray *in* Griffith & Pidgeon, 1832: 99; Audinet-Serville, 1832: 191; Mulsant, 1839: 20; Laporte, 1840: 395; Drapiez, 1844b: 171; Chevrolat *in* D'Orbigny, 1847b: 470; Blanchard, C.E. *in* Cuvier, 1849: 469; LeConte, 1851: 107; Thomson, C. G., 1859: 148; Desmarest, 1860: 305; Thomson, 1861a: 295; 1864: 283;

1865: 470; Mulsant, 1863: 40, 346; Schjodte, 1865: 195, 202; Lacordaire, 1868: 60; Desmarest *in* Chenu, 1870: 305; LeConte, 1873b: 288; Girard, 1873: 716; LeConte & Horn, 1883: 273; Dimmock, 1884:159 (biol.); Leng, 1884: 57; Blatchley, 1910: 1011; Reitter, 1912: 3; Lameere, 1912a: 185 (rev.); Casey, 1912: 231, 232; Schaufuss *in* Calwer, 1916: 823; Lameere, 1919: 132; Planet, 1924: 18; Portevin, 1927: 8; Picard, 1929: 36; Bradley, 1930: 227; Plavilstshikov, 1936: 69; Knull, 1946: 145; Heyrovsky, 1955: 71; Duffy, 1960: 70 (larva, pupa); Dillon & Dillon, 1961: 577; Linsley, 1962: 37; Arnett, 1962: 855; Hatch, 1971: 92; Kerzhner, 1991: 123 (available name); Chemsak, 1996: 101; Monné, M.A., 2006: 84 (cat.); Monné, M.A. & Hovore, 2006: 18 (checklist); Monné, M. A., 2012: 132; Santos-Silva, Nearn & Swift, 2016: 11 .

Type-species - *Cerambyx coriarius* Linnaeus, 1758 (Latreille subsequent designation, Latreille, 1810) [see also Kerzhner, 1991: 123, designation under the plenary powers].

Prionus (Riponus) Casey, 1912: 245.

Type-species - *Cerambyx imbricornis* Linnaeus, 1767 (subsequent designation, Linsley, 1962: 46).

***Prionus (Antennalia)* Casey, 1912**

Type species - *Prionus fissicornis* Haldeman; designation by Linsley, 1962: 49

Antennalia Casey, 1912: 249; 1924: 223; Linsley, 1962: 49; Chemsak, 1996: 113.

Prionus (Antennalia); VSchieffer, 2022: 410 (revived)

Type-species - *Prionus fissicornis* Haldeman, 1846 (subsequent designation, Linsley, 1962: 49).

1. *Prionus (Antennalia) fissicornis* Haldeman, 1847

Syntypes locality - Syntypes: United States, Nebraska: near Platte river. (MCZN).

Distribution - United States (Great Plains east of the Rocky Mountains, from Montana to Minnesota, south to Texas). **Host plants** - *Zea mays* Linnaeus (Poaceae)

Prionus fissicornis Haldeman, 1847a: 374; 1848: 125; LeConte, 1851: 108; White, 1853: 17; LeConte, 1858a: 40; 1859: 19, pl. 1, figs 14; Lacordaire, 1868: 61; Snow, 1878: 67; Popenoe, 1878: 82; LeConte & Horn, 1883: 274; Leng, 1884: 57, pl. 2, figs 14, 15; Blanchard, 1887: 86; Evans, 1906: 99; Fall & Cockerell, 1907: 191; Wickham, 1909a: 28; Lameere, 1912a: 240; Swenk, 1922: 200; Doane *et al.*, 1936: 165; Brimley, 1938: 210; Alexander, 1958: 49; Kirk & Balsbaugh, 1975: 97; Stein & Tjagestad, 1976: 31; Turnbow & Franklin, 1980: 347

Prionus (Antennalia) fissicornis; Casey, 1924: 223; Linsley, 1957: 9; 1962: 49; Hovore, Penrose & Neck, 1987: 394; Chemsak, Linsley & Noguera, 1992: 21; MacRae, 1993: 227; Lingafelter & Horner, 1995: 393; Monné, M.A., & Giesbert, 1994: 15 (checklist); Monné, M.A., 1995: 55; Chemsak, 1996: 113, pl. 8, 2 figs; Heffern, 1998: 6; Schieffer, 2022: 411, figs

Prionus (Prionus) fissicornis; Santos-Silva, Nearn & Swift, 2016: 36, figs

Prionus (Antennalia) fissicornis transversus Casey, 1912: 251; 1924: 223; Lingafelter *et al.*, 2014: 63, fig. 67i (holotype)

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

Prionus (Antennalia) thoracicus Casey, 1924: 223; Lingafelter *et al.*, 2014: 333, fig. 170w (holotype)

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

Prionus (Prionus) Geoffroy, 1762

Prionus (Prionus); Casey, 1912: 232; 1924: 212; Linsley, 1962: 38; Chemsak, 1996: 102; Monné, M.A., 2006: 84 (cat.); Monné, M.A. & Hovore, 2006: 18 (checklist);

Prionus (Prionellus) Casey, 1924: 209.

Hypoprionus Santos-Silva, Nearn & Swift, 2016: 8 (replacement name for *Prionellus* Casey, 1924 not *Prionellus* Kieffer, 1895 (Diptera).

Type-species - *Cerambyx laticollis* Drury, 1773 (Santos-Silva, Nearn & Swift, 2016: 8 designation, 1962: 38).

Prionus (Neopolyarthron) Semenov 1899

Neopolyarthron Semenov, 1899: 255

Prionus (*Neopolyarthron*); Casey, 1924: 222 (syn.); Linsley, 1962: 46; Chemsak, 1996: 110; Monné, M. A., 2006: 87 (cat.); Monné, M.A., 2012: 132; Schieffer, 2022: 350 (rev.)

Type-species - *Cerambyx imbricornis* Linnaeus, 1767 (subsequent designation, Linsley, 1962: 46).

1. *Prionus* (*Neopolyarthron*) *cuneatus* Casey, 1912

Type locality - Lectotype male: United States, N Carolina: Southern Pines (USNM)

Distribution – See Schieffer, 2022: 396. **Hosts** – See Schieffer, 2022: 396

Prionus (*Riponus*) *diversus cuneatus* Casey, 1912: 247; Lingafelter *et al.*, 2014: 54, 369, fig. 57q (lectotype).

Prionus (*Neopolyarthron*) *cuneatus*; Casey, 1924: 222; Schieffer, 2022: 396, figs (revived)

2. *Prionus* (*Neopolyarthron*) *debilis* Casey, 1891

Type locality - Lectotype male: United States, Indiana (USNM) **Distribution** – See Schieffer, 2022: 387. **Hosts** See Schieffer, 2022

Prionus debilis Casey, 1891: 21; Rice, 1981: 479 (distr.); Yanega, 1996: 26, pl. 1, figs 11a,b.

Prionus (*Riponus*) *debilis*; Casey, 1912: 249.

Prionus (*Neopolyarthron*) *debilis*; Casey, 1924: 222; Linsley, 1962: 47, fig. 16; Chemsak, Linsley & Noguera, 1992: 21 (cat.); MacRae, 1993: 227 (distr.); Monné, M.A., 1995: 54 (cat.); Chemsak, 1996: 112, pl. 7, figs 11, 12; Heffern, 1998: 174 (distr.); Peck & Thomas, 1998: 116 (distr.); Lingafelter *et al.*, 2014: 50, 369, fig. 53i (lectotype); Schieffer, 2022: 381, figs (revived)

Prionus imbricornis debilis; Brimley, 1938: 210.

3. *Prionus* (*Neopolyarthron*) *imbricornis* (Linnaeus, 1767)

Type locality – Type: United States, Carolina. (Depository unknown). **Distribution** - Indiana to Louisiana west to Great Plains from South Dakota to Texas and Florida, Dominican Republic. **Host plants** - *Castanea dentata* (Marshall) Borkhausen, *Quercus* sp. (Fagaceae), *Zea mays* Linnaeus (Poaceae), *Pyrus* sp., *Sorbus* sp. (Rosaceae), *Vitis* sp. (Vitaceae).

Cerambyx imbricornis Linnaeus, 1767: 622.

Cerambyx (*Prionus*) *imbricornis*; Gmelin, 1790: 181.

Prionus imbricornis; Olivier, 1795: 28, pl. 13, fig. 52; Palisot de Beauvois, 1805: 242, pl. 36, fig. 2; Schoenherr, 1817: 340; Lepeletier & Audinet-Serville, 1825: 202; Audinet-Serville, 1832: 192; Haldeman, 1847a: 31; LeConte, 1851: 108; Chevrolat, 1852: 650; White, 1853: 17; LeConte, 1859a: 48 (distr.); Lacordaire, 1868: 61; Riley, 1870: 89 (biol.); 1872: 140; Popenoe, 1877: 33 (distr.); Snow, 1878: 67 (distr.); Webster, 1879: 20 (biol.); Riley, 1880: 238 (hosts); LeConte & Horn, 1883: 274; Leng, 1884: 57, pl. 2, fig. 13; Horn, 1885: 89 (syn.); 1886: 138; Hamilton, 1886: 112 (larva); Blanchard, 1887: 86; Marten, 1890: 60; Riley & Howard, 1891: 407 (biol.); Bruner, 1891: 240 (biol.); Forbes, 1894: 106, pl. 13, figs 3, 6; Hamilton, 1895: 337 (distr.); Leng & Hamilton, 1896: 164 (syn.); Beutenmuller, 1896: 74 (hosts); Lugger, 1899: 194, fig. 117; Ulke, 1903: 25 (distr.); Hebard, 1903: 261; Tucker, 1906: 12 (distr.); Wickham, 1909a: 28 (distr.); Blatchley, 1910: 1012, fig. 425; Leng, 1911: 215 (distr.); Lameere, 1912a: 239 (rev.); Fisher & Kirk, 1912: 309 (distr.); Craighead, 1915: 18, pl. 8, fig. 1 (larva); 1923: 29 (larva); Kirk & Knull, 1926: 21 (distr.); Leonard, 1928: 433 (distr.); Ware, 1929: 368 (distr.); Beaulne, 1932: 197 (hosts); Doane *et al.*, 1936: 165; Brimley, 1938: 210 (distr.); Loding, 1945: 113 (distr.); Knull, 1946: 146, pl. 2, fig. 3; Craighead, 1950: 261 (hosts); Beal, Haliburton & Knight, 1952: 71, pl. 10, fig. 4; Alexander, 1958: 49 (distr.); Dillon & Dillon, 1961: 580, pl. 57, No.7; Frost, 1969: 95 (distr.); Baker, 1972: 200, fig. 68; Swan & Papp, 1972: 442, fig. 929; Kirk & Balsbaugh, 1975: 96 (distr.); Payne, Lowman & Pate, 1975: 680 (biol.); Mullins, 1975: 43 (biol.); Stein & Tigestad, 1976: 31; Payne *et al.*, 1976: 9; Turnbow & Franklin, 1980: 338 (distr.); White, 1985: 281, fig. 122; Yanega, 1996: 27, pl. 2, fig. 12; Linsley & Chemsak, 1997: 424 (hosts); Lingafelter, 2007: 13, 138, 2 figs, pl. 2f (hosts); Steury & MacRae, 2014: 9 (distr.).

Prionus (Riponus) imbricornis Casey, 1912: 248.

Prionus (Neopolyarthron) imbricornis; Lameere, 1913: 77 (cat.); 1919: 137; Casey, 1924: 222; Ortenburger & Hatch, 1926: 146 (distr.); Hatch, 1930: 26; Gilmour, 1954: 45 (distr.); Linsley, 1957: 9 (syn.); 1962: 46, figs 15, 16; Arnett, 1985: 360, fig. 24.178; Hovore, Penrose & Neck, 1987: 294; Chemsak, Linsley & Noguera, 1992: 21 (cat.); Lingafelter & Horner, 1993: 164 (distr.); Monné, M.A., & Giesbert, 1994: 16 (checklist); Monné, M.A., 1995: 54 (cat.); Chemsak, 1996: 111, pl. 7, figs 9, 10; Heffern, 1998: 6 (distr.); Schieffer, 1998: 115 (distr.); Holt, 2013: 243 (distr.); Schieffer, 2022: 352

Prionus (Prionus) imbricornis; Santos-Silva, Nearn & Swift, 2016: 36, figs, (syn.).

Prionus debilis Casey, 1891: 21; Rice, 1981: 479 (distr.); Yanega, 1996: 26, pl. 1, figs 11a,b.

Prionus (Riponus) debilis; Casey, 1912: 249.

Prionus (Neopolyarthron) debilis; Casey, 1924: 222; Linsley, 1962: 47, fig. 16; Chemsak, Linsley & Noguera, 1992: 21 (cat.); MacRae, 1993: 227 (distr.); Monné, M.A., 1995: 54 (cat.); Chemsak, 1996: 112, pl. 7, figs 11, 12; Heffern, 1998: 174 (distr.); Peck & Thomas, 1998: 116 (distr.); Lingafelter *et al.*, 2014: 50, 369, fig. 53i (lectotype).

Prionus imbricornis debilis; Brimley, 1938: 210.

Prionus imbricornis var. *debilis*; Knull, 1946: 146.

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

Prionus (Riponus) imbricornis mimus Casey, 1912: 248; Lingafelter *et al.*, 2014: 78, fig. 85 m (holotype).

Prionus (Neopolyarthron) imbricornis mimus Casey, 1924: 222.

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

Prionus (Riponus) imbricornis brunneus Casey, 1912: 248; Lingafelter *et al.*, 2014: 78, fig. 85 k (holotype).

Prionus (Neopolyarthron) imbricornis brunneus; Casey, 1924: 222.

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

Prionus (Riponus) diversus Casey, 1912: 247; Lingafelter *et al.*, 2014: 50, 369, fig. 57o (lectotype).

Prionus (Neopolyarthron) diversus Casey, 1924: 222; Hatch, 1930: 26.

Prionus (Neopolyarthron) imbricornis diversus; Ortenburger & Hatch, 1926: 146 (distr.).

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

Prionus (Riponus) diversus cuneatus Casey, 1912: 247; Lingafelter *et al.*, 2014: 54, 369, fig. 57q (lectotype).

Prionus (Neopolyarthron) cuneatus; Casey, 1924: 222.

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

Prionus (Antennalia) fissicornis parviceps Casey, 1912: 250; Lingafelter *et al.*, 2014: 62, fig. 63g (lectotype).

Prionus (Antennalia) parviceps; Casey, 1924: 223.

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

Prionus beauvoisi Lameere, 1915: 60 (*nom. nov.*).

Type locality - Holotype female: Dominican Republic. (MNHN).

Prionus (Neopolyarthron) robustus Casey, 1924: 222; Lingafelter *et al.*, 2014: 311, fig. 174w (holotype).

Prionus robustus; Brimley, 1938: 210 (distr.).

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

; Britton, 1920: 266; Kempers, 1923: 102; Kirk & Knull, 1926: 21; Leonard, 1928: 433; Hatch, 1930: 26; Beaulne, 1932: 197; Goldman, 1933: 95, pl.5, figs 45-48; Easterling, 1934: 140; Herrick, 1935: 220, figs 180, 274; Doane *et al.*, 1936: 165; Brimley, 1938: 210; Becker, 1942: 208; Loding, 1945: 113; Knull, 1946: 145; Sherman, 1946: 126; Craighead, 1950: 252, fig. 50c; Jaques, 1951: 251, fig. 593; Beal *et al.*, 1952: 71, pl. 1, fig. 2; Shenefelt & Benjamin, 1955: 99; Linsley, 1957: 8; Alexander, 1958: 49; Gibson & Carrillo, 1959: 117; Linsley, 1962: 39; Farrar & Kerr, 1968: 563; Benham, 1969: 1331, figs. 1-4; 1970: 1413, figs 1-5; 1971: 89; Payne, Tedders & Gentry, 1970: 3, fig. 3; Swan & Papp, 1972: 442, fig. 928; Baker, 1972: 200; Gosling, 1973: 67; Kirk & Balsbaugh, 1975: 96; Benham & Farrar, 1976: 569,

figs 1-9; Turnbow & Franklin, 1980: 338; Chemsak, Linsley & Noguera, 1992: 21; MacRae, 1993: 227. Monné, M.A., 1995: 52; Chemsak, 1996: 103, pl. 6, fig 11,12; Yanega, 1996: 17, pl. 1, figs 9a, 9b; Schiefer, 1998: 115; Peck & Thomas, 1998: 116; Vlasák & Vlasakova, 2002: 204; Holt, 2013: 243; Staury & MacRae, 2014: 9; Santos-Silva, Nearn & Swift, 2016: 37, figs; Klingeman *et al*, 2017: 294; Haack, Keena & Eyre, 2017: 74; Bousquet, Laplante, Hamond & Langor, 2017: 30, pl. 1; Hanks & Wang, 2019: 32; Vlasak & Vlasakova, 2021: 5 (hosts)

Prionus (Prionus) laticollis. Casey, 1912: 234; Monné, M.A., & Giesbert, 1994: 15 (checklist); Monné, M.A. & Hovore, 2006: 19 (checklist);

Prionus (Prionellus) laticollis; Casey, 1924: 209; Gilmour, 1954: 45 *Prionus brevicornis* Fabricius, 1801: 260; Harris, 1838: 88; Haldeman, 1847a: 31; LeConte, 1851: 109; Chevrolat, 1853: 650; White, 1853: 16; Bethune, 1868: 23; Packard, 1872: 495; LeConte, 1878: 126; LeConte & Horn, 1883: 274; Clarkson, 1884: 95; Packard, 1890: 481; Zimsen, 1964: 163

Syntypes locality - Syntypes: America Boreali. (ZMCD)

Prionus (Prionus) kemp Casey, 1912: 233; Lingafelter *et al.*, 2014: 84, fig 92c (holotype)

Type locality - Holotype female: United States. New York: Adirondacks mountains (USNM)

Prionus (Prionus) parvus Casey, 1912: 234; Lingafelter *et al.*, 2014: 296, fig 128w (holotype)

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

Prionus (Prionus) laticollis oblongus Casey, 1912: 234; Lingafelter *et al.*, 2014: 87, fig 95i (holotype)

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

Prionus (Prionellus) frosti Casey, 1924: 210; Lingafelter *et al.*, 2014: 76, fig 71k (lectotype)

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

Prionus (Prionellus) nigrescans Casey, 1924: 211; Lingafelter *et al.*, 2014: 106, fig 116s (lectotype)

Type locality - Lectotype male: United States, New York: Lake George (Adirondacks). (USNM)

Prionus (Prionellus) densus Casey, 1924: 211; Lingafelter *et al.*, 2014: 52, fig 55o (holotype)

Type locality - Holotype male: United States (USNM)

6. *Prionus (Prionus) lecontei* Lameere, 1912

Type locality - Lectotype male: California. (NHMW). **Distribution** - British Columbia to Mexico (Baja California). **Host plants** - *Quercus agrifolia* Née, *Q. dumosa* Nuttall, *Q. lobata* Née (Fagaceae).

Prionus Le Contei Lameere, 1912a: 244.

Prionus lecontei; Linsley, 1935b: 161; Hovore & Giesbert, 1976: 350 (hosts); Hovore, 1988: 3 (distr.); Chemsak, Linsley & Noguera, 1992: 21 (cat.); Noguera & Chemsak, 1996: 396 (cat.). Chemsak, 1996: 108, pl. 7, figs 5, 6; Linsley & Chemsak, 1997: 424 (hosts); Monné, M.A., 2002: 25 (cat. hosts); Monné, M.A., 2006: 87 (cat.).

Prionus (Prionus) lecontei; Monné, Monné, M.A., & Giesbert, 1994: 15 (checklist); M.A. & Hovore, 2006: 19 (checklist); Santos-Silva, Nearn & Swift, 2016: 74, figs 49-51, 130-132 (lectotype).

1. *Prionus (Prionus) californicus* Motschulsky, 1845

Type locality - Holotype: Northern California. (ZMUM). **Distribution** - Pacific Coast of North America, from Alaska to Sonora, Baja California and Rocky Mountains to New Mexico. **Host plants** - *Rhus* sp. (Anacardiaceae), *Alnus incana* (Linnaeus) Moench (Betulaceae), *Arbutus menziesii* Pursh (Ericaceae), *Castanea* sp., *Quercus garryana* Douglas, *Q. lobata* Née (Fagaceae), *Juglans regia* Linnaeus (Juglandaceae), *Eucalyptus* sp.

- (Myrtaceae), *Abies grandis* (Lambert) Lindley, *Pinus* sp., *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae), *Amelanchier canadensis* Medikus, *Malus* sp., *Prunus* sp., *Pyrus* sp., *Rubus* sp. (Rosaceae), *Citrus* sp. (Rutaceae), *Populus deltoides* Bartram ex Marshall, *P. trichocarpa* Torrey & A. Gray, *Salix* sp. (Salicaceae), *Sequoia sempervirens* (D. Don) Endlicher (Taxodiaceae), *Humulus lupulus* Linnaeus (Urticaceae), *Vitis* sp. (Vitaceae).
- Prionus californicus* Motschulsky, 1845: 89, pl. 2, fig. 9; LeConte, 1852: 177; Mannerheim, 1852: 364; White, 1853: 16; Snow, 1877: 19 (distr.); 1878: 76 (distr.); 1883: 42 (distr.); Leng, 1884: 57, 58; Rivers, 1886a: 64 (biol.); Blanchard, F., 1887: 86; bb: 144 (distr.); Townsend, 1892: 38; Blaisdell, 1892: 34 (hosts); Hamilton, 1894: 30 (distr.); Townsend, 1895: 46; Beutenmuller, 1896: 74 (hosts); Wickham, 1897a: 167 (hosts); Harrington, 1899: 107 (distr.); Daggett, 1901: 319 (biol.); Fall, 1901: 142 (distr.); Snow, 1906b: 170 (distr.); Fall & Cockerell, 1907: 191 (distr.); Schaeffer, 1908: 329 (distr.); Lameere, 1912a: 242; Craighead, 1915: 20, pl. 4, figs 8, 9 (larva); Essig, 1915: 251, fig. 241 (biol.); Garnett, 1918: 173 (distr.); Craighead, 1923: 29, pl. 36, fig. 2 (pupa); Essig, 1926: 449, figs 349, 350 (biol.); Tanner, 1927: 33, figs 167, 168; Hardy & Preece, 1927a: 187 (biol.); Crawford & Eyer, 1928: 3, 5 figs (biol., control); Tanner, 1928: 277 (distr.); Knowlton, 1930: 56; Pack, 1930: 219 (distr.); Beaulne, 1932: 289 (hosts); Barrett, 1932: 289 (hosts); Herrick, 1935: 274 (biol.); Knowlton & Thatcher, 1936: 278; Doane *et al.*, 1936: 164, figs 78, 79 (biol.); Moore, 1937: 87 (distr.); Linsley, 1938: 105 (syn.); Quayle, 1938: 319 (biol.); Linsley, 1942: 26; Crawford & Eyer, 1942: 1 (biol.); Hardy, 1942: 10 (biol.); Leech, 1947: 141 (biol.); Schuh & Mote, 1948: 103 (biol.); Knowlton & Wood, 1950: 10 (distr.); Craighead, 1950: 262 (biol.); DeLeon, 1952: 80 (hosts); Keen, 1952: 193 (hosts); Leech, 1955: 52 (biol.); Nishio, 1956a: 241, figs 1, 2; Linsley, 1957: 6 (syn.); Linsley, Knull & Statham, 1961: 5 (distr.); Tyson, 1970: 298 (distr.); Swan & Papp, 1972: 441, fig. 927; Tanner & Tanner, 1974: 220 (distr.); Kirk & Balsbaugh, 1975: 96 (distr.); MacKay, Zak & Hovore, 1987: 363 (distr., hosts); Hovore, 1988: 3 (distr.); Chemsak, Linsley & Noguera, 1992: 20 (cat.); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 106, pl. 7, figs 3, 4; Linsley & Chemsak, 1997: 424 (hosts); Heffern 1998: 6 (distr.); Monné, M.A., 2002: 23 (cat. hosts); Cervantes, Hanks, Lacey & Barbour, 2006: 718 (pheromone); Barbour *et al.*, 2006: 623 (biol.); Monné, M.A. & Hovore, 2006: 19 (checklist) Maki *et al.*, 2011: 933 (biol.); Barbour, Lacey & Hanks, 2007: 333 (biol.); Rice, Merickel & MacRae, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 30, pl 1; Barbour *et al.*, 2019: 1130 (pherom)
- Prionus (Prionus) californicus*; Casey, 1912: 242; 1924: 216; Linsley, 1962: 41, figs 13, 14; Hatch, 1971: 93, pl. 9, fig. 2; Monné, M.A., & Giesbert, 1994: 14 (checklist); Monné, M.A., 2006: 84 (cat.); Monné, M.A. & Hovore, 2006: 18 (checklist); Santos-Silva, Nearn & Swift, 2016: 80, figs 111-113, 158-171, 173-176, 183 (syn.).
- Prionus crassicornis* LeConte, 1851: 108; White, 1853: 17.
- Prionus (Prionus) californicus crassicornis*; Casey, 1924: 216.
- Syntypes locality** - Syntypes male and female: United States, Oregon. (MCZN).
- Prionus curvatus* LeConte, 1859a: 19.
- Prionus (Prionus) californicus curvatus*; Casey, 1924: 217.
- Type locality** - Holotype female: United States, New Mexico: near Santa Fe. (MCZN).
- Prionus Horni* Lameere. 1912a: 243; Linsley, 1935b: 161; Damoiseau & Cools, 1987: 33 (syntypes).
- Syntypes locality** - Syntypes male and female: United States, Arizona. (NHMW).
- Prionus (Prionus) alutaceus* Casey, 1912: 237; 1924: 216; Lingafelter *et al.*, 2014: 14, figs 13k, 1 (holotype).
- Type locality** - Holotype male: United States, Arizona. (USNM).
- Prionus (Prionus) solidus* Casey, 1912: 237; 1924: 215; Lingafelter *et al.*, 2014: 221, figs 157i, j (holotype).
- Type locality** - Holotype female: United States, Colorado. (USNM).
- Prionus (Prionus) spiculosus* Casey, 1912: 240; 1924: 217; Lingafelter *et al.*, 2014: 322, figs 157w, x (holotype).
- Type locality** - Holotype female: United States, Arizona: Grand Cañon of the Colorado. (USNM).

Prionus (Prionus) consors Casey, 1912: 240; 1924: 214; Lingafelter *et al.*, 2014: 44, figs 46q, r (holotype).

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

Prionus (Prionus) consors acomanus Casey, 1912: 241; Lingafelter *et al.*, 2014: 44, figs 46u, v (holotype).

Prionus (Prionus) acomanus; Casey, 1924: 218.

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

Prionus (Prionus) consors proximans Casey, 1912: 241; Lingafelter *et al.*, 2014: 45, figs 46w, x (holotype).

Prionus (Prionus) acomanus proximans; Casey, 1924: 218.

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

Prionus (Prionus) angustulus Casey, 1912: 241; Lingafelter *et al.*, 2014: 17, figs 16s, t (lect. designation).

Prionus (Prionus) ineptus angustulus; Casey, 1924: 220.

Type locality - Lectotype male: United States, Cañon of the Colorado River. (USNM).

Prionus (Prionus) californicus ineptus Casey, 1912: 242; Lingafelter *et al.*, 2014: 35, figs 36m, n (holotype).

Prionus (Prionus) ineptus; Casey, 1924: 219.

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

Prionus (Prionus) californicus punctulatus Casey, 1912: 243; Lingafelter *et al.*, 2014: 35, figs 36q, r (holotype).

Prionus (Prionus) punctulatus; Casey, 1924: 220.

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

Prionus (Prionus) fissifrons Casey, 1912: 243; Lingafelter *et al.*, 2014: 63, figs 67k, l (holotype).

Prionus (Prionus) spiculosus fissifrons; Casey, 1924: 218.

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

Prionus (Prionus) texanus Casey, 1912: 243; 1924: 214; Lingafelter *et al.*, 2014: 332, figs 170a, b (holotype).

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

Prionus (Prionus) terminalis Casey, 1912: 244; Lingafelter *et al.*, 2014: 331, figs 168q, r (holotype).

Type locality - Holotype male: United States, Arizona: Cañon of the Colorado. (USNM).

Prionus (Prionus) serriger Casey, 1924: 215; Lingafelter *et al.*, 2014: 318, figs 153m, n (holotype).

Type locality - Holotype male: United States, Utah: Ibabah Mts., Trout Creek. (USNM).

Prionus (Prionus) suspectus Casey, 1924: 215; Lingafelter *et al.*, 2014: 330, figs 166s, t (holotype).

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

Prionus (Prionus) orbiceps Casey, 1924: 216; Lingafelter *et al.*, 2014: 292, figs 123w, x (holotype).

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

Prionus (Prionus) humeralis Casey, 1924: 216; Lingafelter *et al.*, 2014: 77, figs 84k, l (holotype).

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

Prionus (Prionus) californicus compar Casey, 1924: 217; Lingafelter *et al.*, 2014: 35, figs 36k, l (lect. designation).

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

Prionus (Prionus) californicus ovipennis Casey, 1924: 217; Lingafelter *et al.*, 2014: 35, figs 36o, p (holotype).

Type locality - Holotype male: United States, Utah: Provo Cañon, North Fork. (USNM).

Prionus (Prionus) spiculosus coloradensis Casey, 1924: 218; Lingafelter *et al.*, 2014: 322, figs 158a, b (holotype).

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

Prionus (Prionus) scutellaris Casey, 1924: 219; Lingafelter *et al.*, 2014: 316, figs 151a, b (holotype).

Type locality - Holotype female: United States, Utah: Provo Cañon. (USNM).

Prionus (Prionus) ineptus ambiguus Casey, 1924: 219; Lingafelter *et al.*, 2014: 80, figs 86w, x (holotype).

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

Prionus (Prionus) ineptus uintanus Casey, 1924: 220; Lingafelter *et al.*, 2014: 80, figs 87a, b (lect. designation).

Type locality - Lectotype male: United States, Utah: Provo Cañon, North Fork. (USNM).

Prionus (Prionus) spaldingi Casey, 1924:221; Knowlton & Thatcher, 1936: 278 (distr.); Lingafelter *et al.*, 2014: 322, figs 157q, r (lect. designation).

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

Prionus (Prionus) stultus Casey, 1924: 221; Lingafelter *et al.*, 2014: 326, figs 163a, b (lect. designation).

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

Prionus (Prionus) stultus parvicollis Casey, 1924: 222; Lingafelter *et al.*, 2014: 327, figs 163c, d (holotype).

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

Prionus (Prionus) nanus Casey, 1924: 222; Lingafelter *et al.*, 2014: 103, figs 114i, j (holotype).

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

Prionus (Prionus) validiceps Casey, 1912: 235; 1924: 214; Linsley, 1957: 8; Lingafelter *et al.*, 2015: 339, fig. 177w,x.

Type locality - Holotype male: unknown (USNM).

Prionus (Prionus) tumidus Casey, 1912: 235; 1924: 213; Lingafelter *et al.*, 2014: 337, fig. 175g (holotype).

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

Prionus (Prionus) fontinalis Casey, 1924: 236; 1924: 212; Lingafelter *et al.*, 2014: 65, fig. 69s (holotype).

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

2. *Prionus (Prionus) fissicornis* Haldeman, 1848

Syntypes locality - Syntypes: United States, Nebraska: near Platte river. (MCZN).

Distribution - United States (Great Plains east of the Rocky Mountains, from Montana to Minnesota, south to Texas). **Host plants** - *Zea mays* Linnaeus (Poaceae)

Prionus fissicornis Haldeman, 1847a: 374; 1848: 125; LeConte, 1851: 108; White, 1853: 17; LeConte, 1858a: 40; 1859: 19, pl. 1, figs 14; Lacordaire, 1868: 61; Snow, 1878: 67; Popenoe, 1878: 82; LeConte & Horn, 1883: 274; Leng, 1884: 57, pl. 2, figs 14, 15; Blanchard, 1887: 86; Evans, 1906: 99; Fall & Cockerell, 1907: 191; Wickham, 1909a: 28; Lameere, 1912a: 240; Swenk, 1922: 200; Doane *et al.*, 1936: 165; Brimley, 1938: 210; Alexander, 1958: 49; Kirk & Balsbaugh, 1975: 97; Stein & Tigestad, 1976: 31; Turnbow & Franklin, 1980: 347

Prionus (Antennalia) fissicornis; Casey, 1924: 223; Linsley, 1957: 9; 1962: 49; Hovore, Penrose & Neck, 1987: 394; Chemsak, Linsley & Noguera, 1992: 21; MacRae, 1993: 227; Lingafelter & Horner, 1995: 393; Monné, M.A., & Giesbert, 1994: 15 (checklist); Monné, M.A., 1995: 55; Chemsak, 1996: 113, pl. 8, 2 figs; Heffern, 1998: 6

Prionus (Prionus) fissicornis; Santos-Silva, Nearn & Swift, 2016: 36, figs

Prionus (Antennalia) fissicornis transversus Casey, 1912: 251; 1924: 223; Lingafelter *et al.*, 2014: 63, fig. 67i (holotype)

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

Prionus (Antennalia) thoracicus Casey, 1924: 223; Lingafelter *et al.*, 2014: 333, fig. 170w (holotype)

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

3. *Prionus (Prionus) heroicus* Semenov, 1908

Type locality - Lectotype male: United States, Arizona. (MCZN). **Distribution** - Southwestern United States, Mexico (Tamaulipas). **Host plants** - *Quercus* sp. (Fagaceae).

Prionus heros Fall, 1905: 274 (preoccupied); Skinner, 1905: 291.

Prionus heroicus Semenov, 1908: 259 (new name); Lameere, 1912a: 241; Casey, 1912: 244; 1924: 212; Linsley, 1957: 8 (syn.); Linsley, Knull & Statham, 1961: 7 (distr.); Linsley, 1962:

45; Hovore & Giesbert, 1976: 350 (biol.); Lewis, 1979: 22 (distr.); Chemsak, Linsley & Noguera, 1992: 20 (distr.); Chemsak, 1996: 109, pl. 7, figs 7, 8; Linsley & Chemsak, 1997: 424 (hosts); García Morales *et al.*, 2015: 112 (distr.).

Prionus (Riponus) heroicus; Lameere, 1919: 138.

Prionus (Prionus) heroicus; Monné, M.A., & Giesbert, 1994: 135 (checklist); Monné, M.A. & Hovore, 2006: 19 (checklist); Santos-Silva, Nearn & Swift, 2016: 76, figs 143-157, 172, 177, 178 (lectotype).

Prionus (Prionus) vastus Casey, 1912: 236; 1924: 213; Lingafelter *et al.*, 2014: 342, fig. 180e (holotype).

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

Prionus (Prionus) tristis Casey, 1912: 236; 1924: 212; Lingafelter *et al.*- United States.

Syntypes locality - Syntypes female: New Mexico: Jemez Springs. (USNM).

Prionus (Prionus) tetricus Casey, 1912: 237; Lingafelter *et al.*, 2014: 332, fig. 169g (holotype).

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

4. *Prionus (Prionus) imbricornis* (Linnaeus, 1767)

Type locality – Type: United States, Carolina. (Depository unknown). **Distribution** - Indiana to Louisiana west to Great Plains from South Dakota to Texas and Florida, Dominican Republic. **Host plants** - *Castanea dentata* (Marshall) Borkhausen, *Quercus* sp. (Fagaceae), *Zea mays* Linnaeus (Poaceae), *Pyrus* sp., *Sorbus* sp. (Rosaceae), *Vitis* sp. (Vitaceae).

Cerambyx imbricornis Linnaeus, 1767: 622.

Cerambyx (Prionus) imbricornis; Gmelin, 1790: 181.

Prionus imbricornis; Olivier, 1795: 28, pl. 13, fig. 52; Palisot de Beauvois, 1805: 242, pl. 36, fig. 2; Schoenherr, 1817: 340; Lepeletier & Audinet-Serville, 1825: 202; Audinet-Serville, 1832: 192; Haldeman, 1847a: 31; LeConte, 1851: 108; Chevrolat, 1852: 650; White, 1853: 17; LeConte, 1859a: 48 (distr.); Lacordaire, 1868: 61; Riley, 1870: 89 (biol.); 1872: 140; Popenoe, 1877: 33 (distr.); Snow, 1878: 67 (distr.); Webster, 1879: 20 (biol.); Riley, 1880: 238 (hosts); LeConte & Horn, 1883: 274; Leng, 1884: 57, pl. 2, fig. 13; Horn, 1885: 89 (syn.); 1886: 138; Hamilton, 1886: 112 (larva); Blanchard, 1887: 86; Marten, 1890: 60; Riley & Howard, 1891: 407 (biol.); Bruner, 1891: 240 (biol.); Forbes, 1894: 106, pl. 13, figs 3, 6; Hamilton, 1895: 337 (distr.); Leng & Hamilton, 1896: 164 (syn.); Beutenmuller, 1896: 74 (hosts); Lugger, 1899: 194, fig. 117; Ulke, 1903: 25 (distr.); Hebard, 1903: 261; Tucker, 1906: 12 (distr.); Wickham, 1909a: 28 (distr.); Blatchley, 1910: 1012, fig. 425; Leng, 1911: 215 (distr.); Lameere, 1912a: 239 (rev.); Fisher & Kirk, 1912: 309 (distr.); Craighead, 1915: 18, pl. 8, fig. 1 (larva); 1923: 29 (larva); Kirk & Knull, 1926: 21 (distr.); Leonard, 1928: 433 (distr.); Ware, 1929: 368 (distr.); Beaulne, 1932: 197 (hosts); Doane *et al.*, 1936: 165; Brimley, 1938: 210 (distr.); Loding, 1945: 113 (distr.); Knull, 1946: 146, pl. 2, fig. 3; Craighead, 1950: 261 (hosts); Beal, Haliburton & Knight, 1952: 71, pl. 10, fig. 4; Alexander, 1958: 49 (distr.); Dillon & Dillon, 1961: 580, pl. 57, No.7; Frost, 1969: 95 (distr.); Baker, 1972: 200, fig. 68; Swan & Papp, 1972: 442, fig. 929; Kirk & Balsbaugh, 1975: 96 (distr.); Payne, Lowman & Pate, 1975: 680 (biol.); Mullins, 1975: 43 (biol.); Stein & Tigestad, 1976: 31; Payne *et al.*, 1976: 9; Turnbow & Franklin, 1980: 338 (distr.); White, 1985: 281, fig. 122; Yanega, 1996: 27, pl. 2, fig. 12; Linsley & Chemsak, 1997: 424 (hosts); Lingafelter, 2007: 13, 138, 2 figs, pl. 2f (hosts); Steury & MacRae, 2014: 9 (distr.).

Prionus (Riponus) imbricornis Casey, 1912: 248.

Prionus (Neopolyarthron) imbricornis; Lameere, 1913: 77 (cat.); 1919: 137; Casey, 1924: 222; Ortenburger & Hatch, 1926: 146 (distr.); Hatch, 1930: 26; Gilmour, 1954: 45 (distr.); Linsley, 1957: 9 (syn.); 1962: 46, figs 15, 16; Arnett, 1985: 360, fig. 24.178; Hovore, Penrose & Neck, 1987: 294; Chemsak, Linsley & Noguera, 1992: 21 (cat.); Lingafelter & Horner, 1993: 164 (distr.); Monné, M.A., & Giesbert, 1994: 16 (checklist); Monné, M.A., 1995: 54 (cat.); Chemsak, 1996: 111, pl. 7, figs 9, 10; Heffern, 1998: 6 (distr.); Schiefer, 1998: 115 (distr.); Holt, 2013: 243 (distr.).

Prionus (Prionus) imbricornis; Santos-Silva, Nearn & Swift, 2016: 36, figs, (syn.).

Prionus debilis Casey, 1891: 21; Rice, 1981: 479 (distr.); Yanega, 1996: 26, pl. 1, figs 11a,b.

Prionus (Riponus) debilis; Casey, 1912: 249.

Prionus (Neopolyarthron) debilis; Casey, 1924: 222; Linsley, 1962: 47, fig. 16; Chemsak, Linsley & Noguera, 1992: 21 (cat.); MacRae, 1993: 227 (distr.); Monné, M.A., 1995: 54 (cat.); Chemsak, 1996: 112, pl. 7, figs 11, 12; Heffern, 1998: 174 (distr.); Peck & Thomas, 1998: 116 (distr.); Lingafelter *et al.*, 2014: 50, 369, fig. 53i (lectotype).

Prionus imbricornis debilis; Brimley, 1938: 210.

Prionus imbricornis var. *debilis*; Knull, 1946: 146.

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

Prionus (Riponus) imbricornis mimus Casey, 1912: 248; Lingafelter *et al.*, 2014: 78, fig. 85 m (holotype).

Prionus (Neopolyarthron) imbricornis mimus Casey, 1924: 222.

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

Prionus (Riponus) imbricornis brunneus Casey, 1912: 248; Lingafelter *et al.*, 2014: 78, fig. 85 k (holotype).

Prionus (Neopolyarthron) imbricornis brunneus; Casey, 1924: 222.

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

Prionus (Riponus) diversus Casey, 1912: 247; Lingafelter *et al.*, 2014: 50, 369, fig. 57o (lectotype).

Prionus (Neopolyarthron) diversus Casey, 1924: 222; Hatch, 1930: 26.

Prionus (Neopolyarthron) imbricornis diversus: Ortenburger & Hatch, 1926: 146 (distr.).

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

Prionus (Riponus) diversus cuneatus Casey, 1912: 247; Lingafelter *et al.*, 2014: 54, 369, fig. 57q (lectotype).

Prionus (Neopolyarthron) cuneatus; Casey, 1924: 222.

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

Prionus (Antennalia) fissicornis parviceps Casey, 1912: 250; Lingafelter *et al.*, 2014: 62, fig. 63g (lectotype).

Prionus (Antennalia) parviceps; Casey, 1924: 223.

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

Prionus beauvoisi Lameere, 1915: 60 (*nom. nov.*).

Type locality - Holotype female: Dominican Republic. (MNHN).

Prionus (Neopolyarthron) robustus Casey, 1924: 222; Lingafelter *et al.*, 2014: 311, fig. 174w (holotype).

Prionus robustus: Brimley, 1938: 210 (distr.).

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

5. *Prionus (Prionus) laticollis* (Drury, 1773)

Type locality - Holotype: United States, New York, (depository unknown). **Distribution** - Southern Canada and eastern United States to Oklahoma and South Dakota, **Host plants** - *Castanea* sp., *Quercus* sp (Fagaceae), *Kalmia latifolia* (Lauraceae)... *Malus* sp (Rosaceae), *Populus* sp. (Salicaceae);

Cerambyx laticollis Drury, 1773: 83, pl. 37, fig. 2.

Prionus (Derobrachus) laticollis. Drury & Westwood, 1837: 78, pl. 37, fig. 2

Prionus laticollis; Harris, 1841: 79; Haldeman, 1847a: 31; LeConte, 1852: 177; Emmons, 1854: 115, pl. 34, fig. 5; Fitch, 1859: 845; Bland, 1861: 93; Holmes, 1869: 51; Packard, 1870: 594, fig. 120; Riley, 1870: 77, figs 61, 62; 1873: 56; Treat, 1874: 344, figs 1-5; Saunders, 1875: 29, fig. 5; Popenoe, 1877: 33; Riley, 1880: 238; Packard, 1881: 127; 1881: 118, figs 117, 118; Weed, 1884: 13; Leng, 1884: 57, pl. 2, figs 6, 12; Blanchard, 1887: 85; Packard, 1890: 82, figs 162, 163; Bruner, 1891: 185; Webster, 1892: 198, figs 21-23; Hopkins, 1893: 192; Bruner, 1894: 154; Hamilton, 1895: 337; Beutenmuller, 1896: 74; Ehrmann, 1897: 170; Wickman, 1897: 83, figs 13, 14; Bruner, 1899: 162, figs 37-39; Luggler, 1899: 193, fig. 115; Smith, 1900: 285, fig. 124; Hopkins, 1902: 60; Dury, 1902: 158; Ulke, 1903: 25; Lockheed, 1903: 111, fig. 97; Hopkins, 1904: 97; Horsfall, 1904: 7, fig. 3; Pettit, 1904: 41, fig. 40; Laurent, 1905: 62; Fyles, 1905: 92, fig. 13; Morris, 1908: 446; Smitth, 1910: 334, fig. 130; Blatchley, 1910: 1011, fig. 424; Lameere, 1912a: 236; Fisher & Kirk, 1912: 309; Craighead, 1915: 19, pl. 3, fig. 3, pl. 6, fig. 1; Johnson, 1915: 314; Nicolay, 1919: 63; Lameere, 1919:

137; Leng, 1920: 266; Britton, 1920: 266; Kempers, 1923: 102; Kirk & Knull, 1926: 21; Leonard, 1928: 433; Hatch, 1930: 26; Beaulne, 1932: 197; Goldman, 1933: 95, pl.5, figs 45-48; Easterling, 1934: 140; Herrick, 1935: 220, figs 180, 274; Doane *et al.*, 1936: 165; Brimley, 1938: 210; Becker, 1942: 208; Loding, 1945: 113; Knull, 1946: 145; Sherman, 1946: 126; Craighead, 1950: 252, fig. 50c; Jaques, 1951: 251, fig. 593; Beal *et al.*, 1952: 71, pl. 1, fig. 2; Shenefelt & Benjamin, 1955: 99; Linsley, 1957: 8; Alexander, 1958: 49; Gibson & Carrillo, 1959: 117; Linsley, 1962: 39; Farrar & Kerr, 1968: 563; Benham, 1969: 1331, figs. 1-4; 1970: 1413, figs 1-5; 1971: 89; Payne, Tedders & Gentry, 1970: 3, fig. 3; Swan & Papp, 1972: 442, fig. 928; Baker, 1972: 200; Gosling, 1973: 67; Kirk & Balsbaugh, 1975: 96; Benham & Farrar, 1976: 569, figs 1-9; Turnbow & Franklin, 1980: 338; Chemsak, Linsley & Noguera, 1992: 21; MacRae, 1993: 227. Monné, M.A., 1995: 52; Chemsak, 1996: 103, pl. 6, fig 11,12; Yanega, 1996: 17, pl. 1, figs 9a, 9b; Schiefer, 1998: 115; Peck & Thomas, 1998: 116; Vlasák & Vlasakova, 2002: 204; Holt, 2013: 243; Staury & MacRae, 2014: 9; Santos-Silva, Nearn & Swift, 2016: 37, figs; Klingeman *et al.*, 2017: 294; Haack, Keena & Eyre, 2017: 74; Bousquet, Laplante, Hamond & Langor, 2017: 30, pl. 1; Hanks & Wang, 2019: 32; Vlasak & Vlasakova, 2021: 5 (hosts)

Prionus (Prionus) laticollis. Casey, 1912: 234; Monné, M.A., & Giesbert, 1994: 15 (checklist); Monné, M.A. & Hovore, 2006: 19 (checklist);

Prionus (Prionellus) laticollis; Casey, 1924: 209; Gilmour, 1954: 45 *Prionus brevicornis* Fabricius, 1801: 260; Harris, 1838: 88; Haldeman, 1847a: 31; LeConte, 1851: 109; Chevrolat, 1853: 650; White, 1853: 16; Bethune, 1868: 23; Packard, 1872: 495; LeConte, 1878: 126; LeConte & Horn, 1883: 274; Clarkson, 1884: 95; Packard, 1890: 481; Zimsen, 1964: 163

Syntypes locality - Syntypes: America Boreali. (ZMCD)

Prionus (Prionus) kempii Casey, 1912: 233; Lingafelter *et al.*, 2014: 84, fig 92c (holotype)

Type locality - Holotype female: United States. New York: Adirondacks mountains (USNM)

Prionus (Prionus) parvus Casey, 1912: 234; Lingafelter *et al.*, 2014: 296, fig 128w (holotype)

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

Prionus (Prionus) laticollis oblongus Casey, 1912: 234; Lingafelter *et al.*, 2014: 87, fig 95i (holotype)

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

Prionus (Prionellus) frosti Casey, 1924: 210; Lingafelter *et al.*, 2014: 76, fig 71k (lectotype)

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

Prionus (Prionellus) nigrescans Casey, 1924: 211; Lingafelter *et al.*, 2014: 106, fig 116s (lectotype)

Type locality - Lectotype male: United States, New York: Lake George (Adirondacks). (USNM)

Prionus (Prionellus) densus Casey, 1924: 211; Lingafelter *et al.*, 2014: 52, fig 55o (holotype)

Type locality - Holotype male: United States (USNM)

6. *Prionus (Prionus) lecontei* Lameere, 1912

Type locality - Lectotype male: California. (NHMW). **Distribution** - British Columbia to Mexico (Baja California). **Host plants** - *Quercus agrifolia* Née, *Q. dumosa* Nuttall, *Q. lobata* Née (Fagaceae).

Prionus Le Contei Lameere, 1912a: 244.

Prionus lecontei; Linsley, 1935b: 161; Hovore & Giesbert, 1976: 350 (hosts); Hovore, 1988: 3 (distr.); Chemsak, Linsley & Noguera, 1992: 21 (cat.); Noguera & Chemsak, 1996: 396 (cat.). Chemsak, 1996: 108, pl. 7, figs 5, 6; Linsley & Chemsak, 1997: 424 (hosts); Monné, M.A., 2002: 25 (cat. hosts); Monné, M.A., 2006: 87 (cat.).

Prionus (Prionus) lecontei; Monné, Monné, M.A., & Giesbert, 1994: 15 (checklist); M.A. & Hovore, 2006: 19 (checklist); Santos-Silva, Nearn & Swift, 2016: 74, figs 49-51, 130-132 (lectotype).

7. *Prionus pocularis* Dalman, 1817

- Type locality** - Holotype: United States, Georgia (NHRS). **Distribution** - Eastern North America to Texas, **Host plants** - *Pinus* sp (Pinaceae)
- Prionus pocularis* Dalman, 1817: 148; Haldeman, 1847a: 31; White, 1853: 17; Lacordaire, 1868: 61; Leng, 1884: 57; Beutenmuller, 1896: 74; Smith, 1900: 285; Ulke, 1903: 25; Evans, 1906: 99; Fall & Cockerell, 1907: 191; Leng, 1910: 77; Blatchley, 1910: 1012; Smith, 1910: 324; Lameere, 1912a: 328; Dow, 1913: 78; Frost, 1915: 207; Craighead, 1915: 20; Greene, 1918: 257; Nicolay, 1919: 63; Britton, 1920: 266; Kirk & Knul, 1926: 21; Leonard, 1928: 433; Doane *et al.*, 1936: 165; Brimley, 1938: 210; Loding, 1945: 113; Knul, 1946: 146; Craighead, 1950: 262; Beal *et al.*, 1952: 134; Linsley, 1957: 8; Dillon & Dillon, 1961: 650, pl. 57; Linsley, 1962: 41; Gosling, 1973: 67; Turnbow & Franklin, 1980: 338; Chemsak, Linsley & Noguera, 1992: 21; MacRae, 1993: 227; Monné, M.A., 1995: 53; Browne & Peck, 1996: 2158; Chemsak, 1996: 105, pl. 7, figs 1,2; Yanega, 1996: 27, pl. 1, fig. 10; Linsley & Chemsak, 1997: 425; Schiefer, 1998: 115; Peck & Thomas, 1998: 116; Vlasák & Vlasakova, 2002: 204; Bousquet, Laplante, Hammond & Langor, 2017: 30, pl. 2
- Prionus (Prionus) pocularis*; Casey, 1912: 238; 1924: 213; Monné, M.A., & Giesbert, 1994: 15 (checklist); Monné, M.A. & Hovore, 2006: 19 (checklist); Holt, 2013: 243; Klingeman, *et al.*, 2017: 294
- Prionus laevigatus* Harris, 1837: 83, pl. 1, fig. 6; Haldeman, 1847a: 31; LeConte, 1851: 109; White, 1853: 16; Bland, 1861: 93; Lacordaire, 1868: 61
- Syntypes** – Syntypes male and female: United States, Massachusetts (MCZN)
- Prionus obliquicornis* LeConte, 1851: 108; White, 1853: 17; Lacordaire, 1868: 61
- Prionus (Prionus) obliquicornis*; Casey, 1912: 239
- Type locality** - Holotype male: United States, Georgia (MCZN)
- Prionus curticornis* LeConte, 1851: 109; Lacordaire, 1868: 61
- Prionus (Prionus) curticornis* Casey, 1912: 233
- Type locality** - Holotype female: United States, Georgia. (MCZN)
- Prionus (Prionus) validiceps* Casey, 1912: 233; 1924: 214; Lingafelter *et al.*., 2014: 339, fig. 177w (holotype)
- Type locality** - Holotype male: United States (USNM)
- Prionus (Prionus) pocularis prolixus* Casey, 1912: 239; Lingafelter *et al.*., 2014: 301, fig. 134m (holotype)
- Type locality** - Holotype female: United States, (USNM)
- Prionus (Prionus) bicolor* Casey, 1912: 239; 1924: 213; Lingafelter *et al.*., 2014: 27, fig. 28a (holotype)
- Type locality** - Holotype female: United States, Indiana (USNM)

Prionus (Homaesthesis) LeConte, 1873

- Homaesthesis* LeConte, 1873b: 288; LeConte & Horn, 1883: 273. Leng, 1884: 57; Casey, 1912: 231; Craighead, 1923: 28
- Prionus (Homaesthesis)*; Linsley, 1962: 49; Hatch, 1971: 93; Hovore & Turnbow, 1984: 4; Monné, M.A., 1995: 56; Chemsak, 1996: 114; Monné, M.A. & Hovore, 2006: 19 (checklist); Santos-Silva, Nearn & Swift, 2016: 10.
- Type species** - *Prionus emarginatus* Say, 1824 (Casey designation, 1912: 254).
- Prionina* Casey, 1912: 231
- Type species** - *Prionus palparis* Say, 1824 (original designation)

1. *Prionus (Homaesthesis) arenarius* Hovore, 1981

- Type locality** - Holotype male: United States, Texas: Ward County, Monahans Sandhills State Park. (CASC), **Distribution** - United States (Texas and New Mexico)
- Prionus (Homaesthesis) arenarius* Hovore, 1981: 453, fig. 1; Hovore & Turnbow, 1984: 4, figs 1, 3; Chemsak, Linsley & Noguera, 1992: 21 (cat.); Monné, M.A., & Giesbert, 1994: 15 (checklist); Monné, M.A., 1995: 56 (cat.); Chemsak, 1996: 117, pl. 8, figs 3,4; Monné, M.A. & Hovore, 2006: 19 (checklist); Santos-Silva Nearn & Swift, 2016: 12, figs 17-19; 52-53

2. *Prionus (Homaesthesis) emarginatus* Say, 1824

Type locality - Type: United States, Arkansas: Arkansas river, near the mountains. (depository unknown). **Distribution** - United States (Colorado, Arizona, Idaho, New Mexico, Kansas, Wyoming, Missouri, Nebraska, Utah, Texas).

Prionus emarginatus Say, 1824: 327; Haldeman, 1847a: 31; LeConte, 1851: 107; White, 1853: 17; LeConte, 1859a: 19, pl. 2, fig. 13; 1859b: 184; Lacordaire, 1868: 61; Packard, 1877: 803, pl. 70, fig. 6; 1881: 161, fig. 73; 1890: 703, fig. 239; Lameere, 1912a: 247; Haack, 2017: 110; Rice, MacRae & Merickel, 2017: 669 (distr.)

Homaesthis emarginata; LeConte, 1873b: 288; 1876: 520; Snow, 1877: 19; 1883: 42; LeConte & Horn, 1883: 273; Leng, 1884: 57; Blanchard, 1887: 86; Beutenmuller, 1896: 74; Snow, 1906: 179; Fall & Cockerell, 1907: 191; Casey, 1912: 254; Craighead, 1923: 28, pl. 1, fig. 10; pl. 12, figs 10-12; 1950: 239, fig. 51a; Linsley, 1958: 110; Gwynne & Hostetler, 1978: 347

Prionus (Homaesthis) emarginatus; Lameere, 1913: 78; Linsley, 1957: 10; 1962: 50; Hatch, 1971: 94; Hovore & Turnbow, 1984: 4; Chemsak, Linsley & Noguera, 1992: 21 (cat.); Monné, M.A., & Giesbert, 1994: 15 (checklist); Monné, M.A., 1995: 56 (cat.); Chemsak, 1996: 118, pl. 8, figs 5, 6; Heffern, 1998: 8; Monné, M.A. & Hovore, 2006: 19 (checklist); Santos-Silva, Nearn & Swift, 2016: 12, figs 1-4; 83-86

Prionus innocuous LeConte, 1862: 43. Lacordaire 1868: 61

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

Homaesthis pubicollis Casey, 1912: 254; Lingafelter *et al.*, 2014: 304, fig. 137 m (holotype)

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

Homaesthis debiliceps Casey, 1912: 255; Lingafelter *et al.*, 2014: 50, fig. 53e (holotype)

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

3. *Prionus (Homaesthis) geminus* Santos-Silva, Nearn & Swift, 2016

Type locality - Holotype male: United States, Idaho: Pocatello (Bannock County). (EMEC).

Distribution - United States (Idaho, Utah, Arizona, Texas, Colorado)

Prionus (Homaesthis) integer; Linsley, 1962: 51; Chemsak, 1996: 119 (not LeConte)

Prionus (Homaesthis) geminus Santos-Silva, Nearn & Swift, 2016: 12, figs 5-8, 87-90

Prionus geminus; Rice, MacRae & Merickel, 2017: 669 (distr.)

4. *Prionus (Homaesthis) integer* LeConte, 1851

Type locality - Holotype male: United States, Colorado: near Pike's Peak, Rocky Mountains. (MCZN). **Distribution** - United States (Kansas and New Mexico to Colorado and eastern Oregon). **Host plants** - *Artemisia tridentata* Nuttall, *Chrysothamnus viscidiflorus* (Hooker) Nuttall (Asteraceae)

Prionus integer LeConte, 1851: 197; White, 1853: 17; LeConte, 1859a: 48; Lacordaire, 1868: 61; Knowlton & Thatcher, 1936: 278; Knowlton & Wood, 1950: 10

Homaesthis integra; LeConte, 1873b: 288; LeConte & Horn, 1883: 273; Casey, 1912: 253

Homaesthis integer; Popenoe, 1877: 33; Leng, 1884: 57, pl. 3, fig. 2; Blanchard, 1887: 85; Knaus, 1904: 156; Fall & Cockerell, 1907: 191; Lameere, 1912a: 246;

Prionus (Homaesthis) integer; Lameere, 1913: 78 (cat.); 1919: 139; Barr & Penrose, 1959: 92; Hatch, 1971: 94; Penrose & Westcott, 1974: 236; Hovore & Turnbow, 1984: 4; Chemsak, Linsley & Noguera, 1992: 22 (cat.); Monné, M.A., & Giesbert, 1994: 16 (checklist); Monné, M.A., 1995: 56 (cat.); Heffern, 1998: 6; Monné, M.A. & Hovore, 2006: 19 (checklist); Santos-Silva, Nearn & Swift, 2016: 12, figs 79-82; Rice, MacRae & Merickel, 2017: 669 (distr.)

5. *Prionus (Homaesthis) palparis* (Say, 1824)

Syntypes locality - Syntypes male and female: United States, Arkansas: Arkansas river near the mountains. (depository unknown). **Distribution** - United States (Arizona, Colorado, Kansas, Nebraska, New Mexico, Oklahoma, Utah).

Prionus palparis Say, 1824: 327; Haldeman, 1847a: 31; LeConte, 1851: 108; White, 1853: 15; LeConte, 1859a: 48; 1859b: 185; Lacordaire, 1868: 61; LeConte, 1873b: 288; LeConte &

Horn, 1883: 274; Leng, 1884: 57; Blanchard, 1887: 86; Fall & Cockerell, 1907: 191; Lameere, 1912a: 246; Knowlton & Wood, 1950: 10;

Prionina palparis; Casey, 1912: 292

Peionus (Prionina) palparis; Lameere, 1919: 139

Prionus (Homaesthesis) palparis; Linsley, 1962: 58; Hovore & Turnbow, 1984: 4; Chemsak, Linsley & Noguera, 1992: 22; Monné, M.A., & Giesbert, 1994: 16 (checklist); Monné, M.A., 1995: 57; Chemsak, 1996: 126, pl. 6, figs 9.10; Heffern, 1998: 6; Monné, M.A. & Hovore, 2006: 19 (checklist); Santos-Silva, Nearn & Swift, 2016: 22, figs 9-11, 75-76

6. *Prionus (Homaesthesis) simplex* (Casey, 1912)

Type locality - Holotype male: United States, Kansas, (USNM), **Distribution** - Western Kansas and southwestern Nebraska to central Utah, Colorado, New Mexico and Arizona

Prionina simplex Casey, 1912: 253; Knaus, 2014: 91;

Prionus (Homaesthesis) simplex; Linsley, 1962: 53; Hovore & Turnbow, 1984: 4; Chemsak, Linsley & Noguera, 1992: 22 (cat.); Monné, M.A., & Giesbert, 1994: 16 (checklist); Monné, M.A., 1995: 57 (cat.); Chemsak, 1996: 123, pl. 9, fig. 3; Heffern, 1998: 174; Monné, M.A. & Hovore, 2006: 19 (checklist); Lingafelter *et al.*, 2014: 320, fig. 155w (holotype); Santos-Silva, Nearn & Swift, 2016: 12, figs

Prionus (Homaesthesis) rhodocerus Linsley, 1957: 10; 1962: 53; Hovore, 1981: 457; Hovore & Turnbow, 1984: 4; Chemsak, Linsley & Noguera, 1992: 22 (cat.); Monné, M.A., 1995: 57 (cat.); Chemsak, 1996: 122; Heffern, 1998: 6; Monné, M.A. & Hovore, 2006: 20 (checklist);

Type locality - Holotype male: United States, Utah: Red Creek. (CASC)

Prionus (Homaesthesis) linsleyi Hovore, 1981: 455, fig. 2; Hovore & Turnbow, 1984: 4; Chemsak, Linsley & Noguera, 1992: 16; Monné, M.A., 1995: 57; Chemsak, 1996: 124, pl. 9, figs 4,5

Type locality - Holotype male: United States, California: Coconino County, 6.5 miles South of Moenkopi (CASC)

7. *Prionus (Homaesthesis) spinipennis* Hovore & Turnbow, 1984

Type locality- Holotype male: United States, Texas: Ward County, Monahans Sandhills State Park. (CASC). **Distribution** - United States (Western Texas to eastern New Mexico)

Prionus (Homaesthesis) spinipennis Hovore & Turnbow, 1984: 1, figs 2, 4; Chemsak, Linsley & Noguera, 1992: 23 (cat.); Monné, M.A., & Giesbert, 1994: 16 (checklist); Monné, M.A., 1995: 57 (cat.); Chemsak, 1996: 121, pl. 8, figs 11, 12; Monné, M.A. & Hovore, 2006: 20 (checklist); Santos-Silva, Nearn & Swift, 2016: 12, figs 14-14. 69-72

SOLENOPTERINI Lacordaire, 1868

Solenopterides Lacordaire, 1868:171, 180.

Solenopterini; LeConte, 1873b: 286; LeConte & Horn, 1883: 271; Galileo & Martins, 1993: 90 (rev.); 1993: 199 (rev.); 1993: 425 (rev.); 1994: 109 (rev.); Monné, M.A., 2006: 91 (cat.); Bousquet *et al.*, 2009: 20; Bouchard *et al.*, 2011: 461.

Type-genus: *Solenoptera* Audinet-Serville, 1832

Type-species: *Prionus canaliculatus* Fabricius, 1787 designated by Villiers (1980a: 144). Availability (under Article 11.7.2).

Dérancistrines Lameere, 1912c:181; *Nom. nudum*. Comment. This name is unavailable under Article 11.7 (vernacular name proposed after 1899).

Derancistri; Lameere, 1919: 99.

Derancistrini; Melzer, 1919: 99; Knull, 1946: 143, 144; Linsley, 1961b: 629 (mimet.).

Type-genus: *Derancistrus* Audinet-Serville, 1832.

Type-species: *Prionus elegans* Palisot de Beauvois, 1819 (monotypy).

Elateropsis Chevrolat, 1862

Elateropsis Chevrolat, 1862: 269; Thomson, 1864: 276; Lacordaire, 1868: 183; LeConte, 1873b: 290; LeConte & Horn, 1883: 275; Leng, 1884: 8, 60; Gahan, 1890: 27; Galileo & Martins, 1994a: 109 (rev.); Monné, M.A., 2006: 92 (cat.); Monné, M.A., 2012: 132.

Derancistrus (Elateropsis); Lameere, 1909: 14; 1913: 51; 1919: 98; Zayas, 1957: 168; Linsley, 1962: 60; Zayas, 1975: 33.

Type-species - *Cerambyx lineatus* Linnaeus, 1758 (subsequent designation, Thomson, 1864: 276).

1. *Elateropsis rugosus* Gahan, 1890

Type locality - Holotype female: not stated. (BMNH). **Distribution** - United States (Florida), Bahamas, Cuba (?). **Host plants** - *Metopium toxiferum* (Linnaeus) Krug & Urban (Anacardiaceae), *Bursera simaruba* (Linnaeus) Sargent (Burseraceae), *Coccoloba diversifolia* Jacquin (Polygonaceae).

Elateropsis rugosa Gahan, 1890: 28; 1895a: 89; Leng & Mutchler, 1914: 444 (distr.); Schwarz in Holland, 1917: 341 (distr.).

Derancistrus (Elateropsis) rugosus; Lameere, 1909: 14; 1913: 51 (cat.); 1919: 99; Cazier & Lacey, 1952: 7 (distr.); Zayas, 1957: 170, pl. 12; 1975: 39; Tumbow & Hovore, 1979: 219 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 18 (cat.).

Derancistrus rugosus; Browne, Peck & Ivie, 1993: 40 (distr.).

Elateropsis rugosus; Galileo & Martins, 1994a: 115, figs 163–166, 209; Monné, M.A., 2002: 26 (cat. hosts); Monné, M.A., & Giesbert, 1994: 11 (checklist); Peck, 2005: 165 (distr.); Monné, M.A. & Hovore, 2006: 22 (checklist); Monné, M.A., 2006: 95 (cat.).

2. *Elateropsis scabrosus* Gahan, 1890

Syntypes locality – Syntypes male and female: Cuba. (BMNH). **Distribution** - United States (Florida), Bahamas, Cuba. **Host** - *Bursera simaruba* (Linnaeus) Sargent (Burseraceae).

Elateropsis scabrosa Gahan, 1890: 29; 1895a: 89; Schaeffer, 1908: 331; Leng & Mutchler, 1914: 444 (distr.).

Derancistrus (Elateropsis) scabrosus; Lameere, 1909: 18; 1913: 51 (cat.); 1919: 99; Cazier & Lacey, 1952: 7; Zayas, 1957: 170, pl. 14; Linsley, 1962: 61, fig. 22; Chemsak, 1967b: 182, fig. 2; Zayas, 1975: 40; Chemsak, Linsley & Noguera, 1992: 18 (cat.).

Derancistrus scabrosus; Chemsak, 1969a: 186 (distr.); Thomas, 1977: 86, fig. 2 (biol., distr.); Browne, Peck & Ivie, 1993: 41 (distr.).

Elateropsis scabrosus; Galileo & Martins, 1994a: 118, figs 167, 168, 170, 171, 211 (syn.); Monné, M.A., 2002: 26 (cat. hosts); Monné, M.A., & Giesbert, 1994: 11 (checklist); Peck, 2005: 166 (distr.); Monné, M.A., 2006: 95 (cat.); Monné, M.A. & Hovore, 2006: 22 (checklist); Devesa, Fonseca & Barro, 2015b: 29, 461, 76, figs 1-10.

Elateropsis fuliginosus; Chevrolat, 1862: 271 (*partim*); LeConte, 1873b: 290; LeConte in Schwarz, 1878: 470; LeConte & Horn, 1883: 275; Leng, 1884: 60 (not Fabricius, 1775).

Derancistrus (Elateropsis) punctatus; Zayas, 1957: 171 (not Gahan, 1890).

Sphenostethus Haldeman, 1848

Sphenostethus Haldeman, 1848: 126; Le Conte, 1851: 106; Thomson, 1861: 288; 1864: 276, 467; Lacordaire, 1868: 184; LeConte 1873: 290; Le Conte & Horn, 1883: 275; Leng, 1884: 60; Lameere, 1909: 20; Blatchley, 1910: 1012; Knull, 1946: 144; Galileo & Martins, 1993: 211; 1994: 146; Monné, M.A. & Hovore, 2006: 23 (checklist)

Derancistrus (Sphenostethus); Linsley, 1962: 59

Type species - *Sphenostethus taslei* Buquet, 1841 (monotypy) (= *Sphenostethus serripennis* Haldeman, 1846)

Hoplopteryx Westwood, 1845: 40 (not Agassiz, 1838)

1. *Sphenostethus taslei* (Buquet, 1841)

Type locality - Holotype: United States, Louisiana (M NHN). **Distribution** – Atlantic coast Pennsylvania and norther Florida to Missouri and Texas, **Host plants** - *Cercis canadensis* Linnaeus (Caesalpiniaceae), *Sesbania drummondii* (Rydberg) C ory (Fabaceae), *Castanea dentata* (Marshall) Borkhausen, *Fagus ferrugineus* Aiton, *Quercus alba* Linnaeus (Fagaceae)

- Solenoptera taslei* Buquet, 1841: XXXI X; White, 1851: 54; Strauch, 1861: 126
Sphenostethus taslei; Thomson, 1864: 276; Lacordaire, 1868: 185; LeConte, 1873: 290; LeConte & Horn, 1883: 275; Leng, 1884: 6; Lugger, 1884: 203 (hosts); Hamilton, 1895: 337; Smith, 1900: 285; Dury 1902: 158; Ulke, 1903 25; Blatchley, 1910: 1012; Smith, 1910: 324; Fisher & Kirk, 1912: 309; Craighead, 1915: 21; 1923: 29; Galileo & Martins, 1993: 215; Monné, M.A., & Giesbert, 1994: 11 (checklist); Monné, M.A., 1995: 40; Chemsak, 1996: 132; Yanega, 1996: 27, pl. 2, fig. 14; Schiefer, 1998 115; Peck & Thomas, 1998: 116; MacRae & Rice, 2007: 228; Holt, 2013: 243. Klingeman *et al.*, 2017: 294
DBerancistrus (Sphenostethus) taslei; Lameere, 1909: 20; 1913: 52; 1919: 99; Linsley. 1962: 59; Chemsak, Linsley & Noguera, 1992: 18; MacRae, 1993: 226
Derancistrus taslei; Champlain, Kirk & Knull, 1925: 105; Kirk & Knull, 1926: 21; Hatch, 1930: 26; Brimley, 1938: 209; Loding, 1945: 113; Knull, 1946: 144; Sherman, 1946: 127; Alexander, 1958: 46; Solomon, Doolittle & Spilman, 1976: 290; Turnbow & Franklin, 1980: 338; Rice, 1981: 459; Arnett, 1985: 360; Linsley & Chemsak, 1995: 364 (hosts);
Hoplopteryx denticulatus Westwood, 1841: 40; Haldeman, 1847: 375
Type locality ? .(OXUM)
Sphenostethus serripennis Haldeman, 1648
Type locality - Holotype: United States, Soutghern Pennsylvania (MCZN)

SPONDYLIDINAE Audinet-Serville, 1832

- Spondylii Audinet-Serville, 1832: 123
 Spondylidinae; Bousquet, Laplante, Hammond & Langor, 2017: 78
Type-genus: *Spondylis* Fabricius, 1775
Type-species: *Attelabus buprestoides* Linnaeus, 1758 designated by Latreille (1810: 431).

ASEMINI Thomson, 1861

- Asemitae Thomson, 1861a: 139 (key), 259; 1864: 266; 1867a: 9.
 Asemites; Fairmaire *in* Jacquelin DuVal, 1864a: 122.
 Asemides; Lacordaire, 1868: 205.
 Asemi; LeConte, 1873b: 293; LeConte & Horn, 1883: 278.
 Asemini; Gahan, 1906: 94; Aurivillius, 1912: 15 (cat.); Casey, 1912: 256; Bradley, 1930: 228, 230; Linsley, 1939: 65; Knull, 1946: 148; Dillon & Dillon, 1961: 582; Linsley, 1962: 67; Arnett, 1962: 856; Hatch, 1971: 94; Monné, M.A., 1994: 18 (cat.); Monné, M.A., 2006: 107 (cat.); Bousquet, Heffern, Bouchard & Nearn., 2009: 21; Bouchard *et al.*, 2011: 464; Bousquet, Laplante, Hammond & Langor, 2017: 80 (key gen)
Type-genus: *Asemmum* Eschscholtz, 1830.
Type-species: *Cerambyx striatum* Linnaeus, 1758 designated by Westwood (1838: 40).
 Criomorphates Mulsant, 1863: 79, 115 (based on *Criomorphus* Mulsant, 1839). *Nomen nudum*.
 Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Mulsant 1863).
 Criomorphaires Planet, 1924: 232.
 Criomorphini; Portevin, 1927: 20, 36.
Type-genus: *Criomorphus* Mulsant, 1839 (junior homonym of *Criomorphus* Curtis, 1831 [Hemiptera]).
Type-species: *Callidium aulicum* Fabricius, 1775 by monotypy. Comment. This name is permanently invalid because it is based on a preoccupied type genus (Article 39).
 Criocéphalites Fairmaire, 1864a: 125, 192 (based on *Crioccephalus* Mulsant, 1839). *Nomen nudum*. Comment. This name is unavailable under Article 11.7 (not subsequently Latinized and attributed to Fairmaire 1864).
 Crioccephalinae Sharp, 1905: 147.
Type-genus: *Crioccephalus* Mulsant, 1839
Type-species: *Cerambyx rusticus* Linnaeus, 1758 (monotypy).
 Tetropiina Seidlitz, 1891: 179; Reitter, 1912: 42 (*partim*).
Type-genus: *Tetropium* Kirby, 1837.
Type-species: *Callidium cinnamopterum* Kirby, 1837 (see ICZN 1988: 71).
 Nothorhinini Zagajkevich, 1991: 110.

Type-genus: *Nothorhina* Redtenbacher, 1845.

Type-species: *Callidium muricatum* Dalman, 1817 designated by Thomson (1864: 267).

Comment. This name has been listed in synonymy with the Asemini by Vives and Alonso-Zarazaga (2000: 569).

***Arhopalus* Audinet-Serville, 1834**

Arhopalus Audinet-Serville, 1834b: 77; Linsley, 1940: 254; Knull, 1946: 149; Linsley, 1962: 68; Arnett, 1962: 856; Hatch, 1971: 94; Chemsak, 1996: 18; Monné, M.A., 2006: 108 (cat.); Monné, M.A., 2012: 133; Bousquet. Laplante, Hammond & Langor, 2017: 80 (key spp)

Type-species - *Cerambyx rusticus* Linnaeus, 1758 (Westwood subsequent designation, Westwood, 1838: 40).

Criocephalus Dejean, 1835: 328 (cat.); Bousquet & Bouchard. 2013: 79.

Type-species - *Cerambyx rusticus* Linnaeus, 1758 (monotypy).

Criocephalus Mulsant, 1839: 63; LeConte, 1850a: 35; Thomson, 1861a: 260; Mulsant, 1863: 125, 431; Thomson, 1865: 464; Lacordaire, 1868: 210; LeConte, 1873a: 169; 1873b: 293, 294; Provancher, 1877: 578, 584; Bates, 1879: 15; LeConte & Horn, 1883: 278; Leng, 1884: 63; Wickham, 1897b: 105; Gahan, 1906: 96; Blatchley, 1910: 1014; Casey, 1912: 265; Bradley, 1930: 230; Chagnon, 1936: 256; Chagnon & Robert, 1962: 253, 256; Zayas, 1975: 48.

Type-species - *Cerambyx rusticus* Linnaeus, 1758 (subsequent designation, Thomson, 1864: 268).

Hylescopus Gistel, 1856 : 376

Type-species - *Cerambyx rusticus* Linnaeus, 1758 (monotypy).

Cephalocrius Sharp, 1905: 147.

Type-species - *Criocephalus syriacus* Reitter, 1895 (monotypy).

1. *Arhopalus asperatus* (LeConte, 1859)

Syntypes locality - Syntypes male and female: United States, Kansas. (MCZN). **Distribution** - Coniferous belt of western North America, Mexico (Baja California, Chiapas, Chihuahua, Veracruz), Honduras. **Host plants** - *Abies concolor* Gordon & Glen, *Abies magnifica* A. Murray, *Picea* sp., *Pinus ponderosa* Douglas ex Lawson & P. Lawson, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Criocephalus asperatus LeConte, 1859a: 19; 1873a: 170; Snow, 1877: 19 (distr.); Bates, 1884: 239; Leng, 1884: 63; Slossom, 1895: 6 (distr.); Harrington, 1899: 108 (distr.); Fall, 1901: 27 (distr.); Knaus, 1904: 156 (distr.); Sharp, 1905: 160; Snow, 1906b: 170 (distr.); Fall & Cockerell, 1907: 191 (distr.); Garnett, 1918: 174 (distr.); Hardy, 1926: 27; Essig, 1926: 451 (biol.); Knowlton, 1930: 56 (distr.); Beaulne, 1932: 198 (hosts); Davis, 1932: 85 (distr.); Mank, 1934: 80 (distr.); Knowlton & Thatcher, 1936: 278 (distr.); Doane *et al.*, 1936: 168 (biol.); Moore, 1937: 87 (distr.); Carl & Hardy, 1945: C36 (biol.).

Arhopalus asperatus; Knowlton & Wood, 1950: 10 (distr.); Keen, 1952: 195, fig. 93 (hosts); Linsley, 1957: 11 (syn.); Linsley, Knull & Statham, 1961: 7; Linsley, 1962: 69, figs 25, 26; Hatch, 1971: 95, pl. 9, fig. 5; Kirk & Balsbaugh, 1975: 97 (distr.); Furniss & Carolin, 1977: 291 (hosts); Lewis, 1979: 22 (distr.); Chemsak, Linsley & Mankins, 1980: 28 (distr.); Hovore, 1988: 3 (distr.); Chemsak, Linsley & Noguera, 1992: 24 (cat.); Monné, M.A., & Giesbert, 1994: 22 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 19, pl. 1, fig. 9 (rev.); Linsley & Chemsak, 1997: 345 (hosts); Heffern 1998: 7 (distr.); Monné, M.A., 2002: 32 (cat. hosts); Turnbow, Cave & Thomas, 2003: 5 (distr.); Monné, M.A., 2006: 108 (cat.); Monné, M.A. & Hovore, 2006: 23 (checklist); Hovore, 2006: 371 (distr.); Gutiérrez & Noguera, 2015: 138 (distr.); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet. Laplante, Hammond & Langor, 2017: 81, pl. 14

Criocephalus honduranus Casey, 1912: 265; Lingafelter *et al.*, 2014: 76, figs 82u, v (holotype).

Type locality - Holotype male: Honduras. (USNM).

Criocephalus filitarsis Casey, 1912: 266; Lingafelter *et al.*, 2014: 62, figs 66k, l (holotype).

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

2. *Arhopalus foveicollis* (Haldeman, 1847)

Syntypes localities - Syntypes: United States, Maryland, Virginia. (MCZN). **Distribution** - Coniferous forests of North America except the Pacific Coast. **Host plants** - *Picea* sp., *Pinus rigida* Miller, *Pinus strobus* Linné (Pinaceae).

Criocephalus foveicollis Haldeman, 1847a: 35.

Arhopalus foveicollis; Linsley, 1957: 11 (syn.); 1962: 70, fig. 26; Gosling, 1973: 68, fig. 7 (biol., distr.); Stein & Tigestad, 1976: 3 (distr.); Laliberté, Chantal & LaRochelle, 1977: 91 (biol.); Furniss & Carolin, 1977: 291; Gosling, 1986: 155 (hosts); Chemsak, Linsley & Noguera, 1992: 24 (cat.); MacRae, 1993: 227 (distr.); Monné, M.A., 1994: 19 (cat.); Monné, M.A., & Giesbert, 1994: 22 (checklist); Chemsak, 1996: 21, pl. 1, fig. 10; Yanega, 1996: 43, pl. 2, fig. 16; Linsley & Chemsak, 1997: 345 (hosts); Heffern, 1998: 7 (distr.); Vlasák & Vlasakova, 2002: 209 (distr.); Monné, M.A. & Hovore, 2006: 23 (checklist); Lingafelter, 2007: 15, 138, 2 figs, pl. 3d (hosts); Webster, 2016: 486; Klingeman *et al.*, 2017: 294 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 81, pl. 24

Callidium agreste Kirby, 1837: 170 (preoccupied).

Criocephalus agrestis; Haldeman, 1847a: 35; LeConte, 1850b: 234 (distr.); 1850a: 36; White, 1855: 311; LeConte, 1859a: 48 (distr.); Packard, 1870: 119 (distr.); Pettit, 1871: 105 (distr.); Bethune, 1872: 55; LeConte, 1873a: 170; Horn, 1873: 717; 1876: 169; Provancher, 1877: 585; Packard, 1881: 158 (biol.); Harrington, 1881: 33 (biol.); Leng, 1884: 63; Saunders, 1884: 53; 1887: 29 (distr.); Packard, 1890: 699, pl. 17, figs 3, 3a; Harrington, 1890: 185 (distr.); Evans, 1895: 173 (distr.); Chagnon, 1897: 16 (distr.); Wickham, 1897c: 106; 1899: 199 (distr.); Harrington, 1899: 108 (distr.); Smith, 1900: 285 (distr.); Ulke, 1903: 25 (distr.); Chagnon, 1905: 35 (distr.); Sharp, 1905: 160; Fall & Cockerell, 1907: 191 (distr.); Morris, 1908: 446; Davis, 1909: 42 (distr.); Wickham, 1909a: 28 (distr.); Morris, 1909: 60 (biol.); Sherman, 1910: 194 (distr.); Smith, 1910: 324; Blatchley, 1910: 1015; Fisher & Kirk, 1912: 309 (distr.); Frost, 1915: 207; Chagnon, 1917: 230 (distr.); Britton, 1920: 266 (distr.); Casey, 1924: 230 (syn.); Fall, 1926: 202 (distr.); Kirk & Knoll, 1926: 21 (distr.); Leonard, 1928: 434 (distr.); Brown, 1930: 244 (distr.); Beaulne, 1932: 198 (hosts); Brown, 1934: 229 (distr.); Mank. 1934: 80 (distr.); Doane *et al.*, 1936: 268; Chagnon, 1936: 256, pl. 17, fig. 1; 1939: 86 (distr.); Procter, 1946: 177 (biol.); Clark, 1956: 41 (distr.); Chagnon & Robert, 1962: 256, pl. 17, fig. 1.

Criocephalus rusticus var. *agrestis*; Hamilton, 1890: 44.

Arhopalus agrestis; Knoll, 1946: 119, pl. 3, fig. 7; Knowlton & Wood, 1950: 10 (distr.); Hicks, 1955: 165 (distr.); Gardiner, 1957: 251 (distr.).

Syntypes locality - Syntypes: Canada, Nova Scotia. (BMNH).

Criocephalus lacustrinus Casey, 1912: 267; Lingafelter *et al.*, 2014: 85, fig. 93e (holotype).

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

Criocephalus cervinus Casey, 1912: 267; Lingafelter *et al.*, 2014: 39, fig. 40w (holotype).

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

3. *Arhopalus hesperus* Chemsak & Linsley, 1965

Type locality - United States, Western Nevada and California **Host plants** - *Pinus monophylla* Torrey & Fremont (Pinaceae)

Arhopalus rusticus hesperus; Chemsak & Linsley, 1965: 141; Tyson, 1970: 297 (hosts); Chemsak, Linsley & Noguera, 1992: 23 (cat.); Monné, M.A., 1994: 20; Chemsak, 1996: 27, pl. 2, fig. 3; Monné, M.A. & Hovore, 2006: 23 (checklist);

Arhopalus hesperus; Bousquet, Laplante, Hammond & Langor, 2017: 18

4. *Arhopalus montanus* (LeConte, 1873)

Syntypes locality - Syntypes male and female: United States, Colorado. (MCZN).

Distribution - Rocky Mountain region from Colorado to New Mexico, Arizona and northern Mexico (Chihuahua, Chiapas, Nuevo León, Oaxaca, Tamaulipas). **Host plants** - *Pinus arizonica* Engelmann ex Rothrock, *P. leiophylla chihuahuana* (Engelmann) A. E. Murray, *P. ponderosa* Douglas ex Lawson & P. Lawson, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Criocephalus montanus LeConte, 1873a: 170; Lameere, 1883: 9 (cat.); Leng, 1884: 63, 64; Craighead, 1923: 33.

Arhopalus montanus; Knowlton & Wood, 1950: 10 (distr.); Linsley, 1957: 12 (syn.); Linsley, Knull & Statham, 1961: 7 (distr., hosts); Bousquet, Laplante, Hammond & Langor, 2017: 81

Arhopalus rusticus montanus; Linsley, 1972: 76, fig. 27; Furniss & Carolin, 1977: 291; Lewis, 1979: 22 (distr., hosts); Chemsak, Linsley & Noguera, 1992: 24 (cat.); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 26, pl. 2, fig. 2 (rev.); Linsley & Chemsak, 1997: 346 (hosts); Heffern, 1998: 7 (distr.); Monné, M.A., 2002: 33 (cat. hosts); Monné, M.A., & Giesbert, 1994: 22 (checklist); Monné, M.A., 2006: 109 (cat.); Monné, M.A. & Hovore, 2006: 23 (checklist); Gutiérrez & Noguera, 2015: 138 (distr.); García Morales *et al.*, 2015: 99 (distr.).

Arhopalus montanus; Bousquet, Laplante, Hammond & Langor, 2017: 81

Nothorhina spissicornis Casey, 1912: 264; Lingafelter *et al.*, 2014: 323, figs 159g, h (lect. designation).

Type locality - Lectotype male: United States, Colorado: Boulder Co. (USNM).

Nothorhina spissicornis longicornis Casey, 1912: 246; Lingafelter *et al.*, 2014: 323, figs 159m, n (holotype).

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

Nothorhina gracilipes Casey, 1912: 265; Lingafelter *et al.*, 2014: 70, figs 75u, v (holotype).

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

Criocephalus cavicollis Casey, 1912: 266; Lingafelter *et al.*, 2014: 38, figs 39s, t (holotype).

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

Criocephalus coloradensis Casey, 1924: 231; Lingafelter *et al.*, 2014: 43, figs 44m, n (holotype).

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

5. *Arhopalus nubilus* (LeConte, 1850)

Syntypes locality - Syntypes: not stated. (MCZN). **Distribution** - Southeastern United States, Bahamas, Jamaica. **Host plants** - *Pinus palustris* Miller (Pinaceae).

Criocephalus nubilus LeConte, 1850a: 36; White, 1855: 311; LeConte, 1873a: 170; Riley, 1880:238 (hosts); Packard, 1881: 162 (biol.); Leng, 1884: 63, 64; Packard, 1890: 704 (biol.); Beutenmuller, 1896: 74 (hosts); Castle & Laurent, 1897: 8 (distr.); Sharp, 1905: 158; Fall & Cockerell, 1907: 191 (distr.); Wickham, 1909b: 402 (distr.); Davis & Leng, 1912: 121 (hosts); Dozier, 1918: 334 (distr.); Gowdey, 1926: 21 (distr.); Loding, 1933: 148 (distr.); Brimley, 1938: 210 (distr.); Loding, 1945: 114 (distr.); Sherman, 1946: 126 (distr.).

Arhopalus rusticus nubilus; Linsley, 1962: 75, fig. 27; Chemsak, 1967b: 182 (distr.); Turnbow & Franklin, 1980: 338 (distr.); Chemsak, Linsley & Noguera, 1992: 24 (cat.); Browne, Peck & Ivie, 1993: 41 (distr.); Chemsak, 1996: 25, pl. 2, fig. 1 (rev.); Linsley & Chemsak, 1997: 346 (hosts); Monné, M. A., 2002: 34 (cat. hosts); Monné, M.A., & Giesbert, 1994: 22 (checklist); Monné, M.A., 2006: 110 (cat.).

Arhopalus nubilus; Bousquet, Laplante, Hammond & Langor, 2017: 81

6. *Arhopalus obsoletus* (Randall, 1838)

Type locality - United States, Maine. (Depository unknown). **Distribution** - Boreal North America west to Rocky Mountains, Mexico, Guatemala, Honduras. **Host plants** - *Pinus banksiana* Lambert, *P. pseudo-strobus* Lindley, *P. sylvestris* Linné, *P. tenuifolia* Benthams (Pinaceae).

Callidium obsoletum Randall, 1838: 27.

Criocephalus obsoletus; LeConte, 1851: 106; White, 1855: 311; Bland, 1861: 94 (distr.); Lacordaire, 1868: 211; Packard, 1872: 93 (distr.); LeConte, 1873a: 170; Provancher, 1877: 585; Leng, 1884: 63; Packard, 1888: 142 (distr.); Wickham, 1897b: 106; Chagnon, 1897: 15 (distr.); Smith, 1900: 285 (distr.); Ulke, 1903: 25 (distr.); Sharp, 1905: 154; Chagnon, 1905: 232; Fall & Cockerell, 1907: 191 (distr.); Blatchley, 1910: 1015; Smith, 1910: 325 (distr.); Fisher & Kirk, 1912: 309 (distr.); Nicolay, 1919: 63 (distr.); Britton, 1920: 266 (distr.); Craighead, 1923: 33 (larva, biol.); Hatch, 1925: 579 (distr.); Kirk & Knull, 1926: 22 (distr.); Leonard, 1928: 434 (distr.); Beaulne, 1932: 198 (hosts); Linsley, 1935a: 72 (distr.); Doane *et*

al., 1936: 168 (biol., hosts); Brimley, 1938: 210 (distr.); Loding, 1945: 114 (distr.); Craighead, 1950: 237 (biol.); Schwerdtfeger, 1955: 319 (biol.).

Arhopalus obsoletus; Knull, 1946: 150; Duffy, 1960: 82 (hosts).

Arhopalus rusticus obsoletus; Linsley, 1962: 75, fig. 27; Gosling, 1973: 68, fig. 8 (biol.); Turnbow & Franklin, 1980: 338 (distr.); Rice, 1981: 460 (distr.); Chemsak, Linsley & Noguera, 1992: 24 (cat.); MacRae, 1993: 227 (distr., hosts); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 25, pl. 1, fig. 12 (rev.); Linsley & Chemsak, 1997: 346 (hosts); Monné, M.A., 2002: 34 (cat. hosts); Turnbow, Cave & Thomas, 2003: 5 (distr.); Monné, M.A., & Giesbert, 1994: 22 (checklist); Monné, M.A., 2006: 110 (cat.); Hovore, 2006: 371 (distr.); Holt, 2013: 246 (distr.); Spomer, 2014: 298 (distr.); Webster *et al.*, 2016: 112 (hosts); Klingeman *et al.*, 2017: 295 (distr.)

Arhopalus obsoletus; Webster, 2016: 486; Bousquet, Laplante, Hammond & Langor, 2017: 81, pl. 14

Criocephalus obscurus LeConte, 1850a: 36.

Type locality - United States, New York. (MCZN).

Criocephalus mexicanus Thomson, 1861a: 260; 1878: 7 (type); Bates, 1879: 15 (distr.); 1884: 239 (distr.); Schaeffer, 1908: 329 (distr.).

Type locality - Mexico. (MNHN).

7. *Arhopalus productus* (LeConte, 1850)

Type locality - Holotype: United States, Oregon. (MCZN). **Distribution** - Pacific coast of North America from British Columbia to Baja California and Rocky Mountains, south into Mexico, Guatemala and Honduras. **Host plants** - *Abies* sp., *Pinus* sp., *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Criocephalus productus LeConte, 1850a: 36; White, 1855: 310; LeConte, 1857: 23 (distr.); 1859a: 48 (distr.); 1869: 371 (distr.); 1873a: 169; Horn *in* Hayden, 1873: 717; Packard, 1877: 804; Snow, 1877: 19 (distr.); LeConte, 1879: 505 (distr.); Packard, 1881: 159, fig. 71 (biol.); Snow, 1881: 70 (distr.); 1883: 42 (distr.); Leng, 1884: 63, 64 (not pl. 2, fig. 4); Bates, 1884: 239 (distr.); Packard, 1890: 699, fig. 235 (biol.); Townsend, 1895: 47 (distr.); Harrington, 1899: 108 (distr.); Fall, 1901: 27; Sharp, 1905: 160; Snow, 1906: 1906b: 170 (distr.); Fall & Cockerell, 1907: 191 (distr.); Wickham, 1909a: 28 (distr.); Hyslop, 1912: 100 (biol.); Garnett, 1918: 173 (distr.); Craighead, 1923: 32, pl. 2, figs 2, 3, 6, 23, 25 (larva); Hardy, 1926: 4, pl. 4, fig. 23; Knowlton, 1930: 56 (distr.); Pack, 1930: 219 (distr.); Beaulne, 1932: 198 (hosts); Mank, 1934: 80 (distr.); Knowlton & Thatcher, 1936: 278 (distr.); Doane *et al.*, 1936: 168 (biol.); Moore, 1937: 87 (distr.); Kimmey & Furniss, 1943: 23, figs 6, c-d (biol.).

Arhopalus productus; Knowlton & Wood, 1950: 10 (distr.); Keen, 1952: 195 (biol.); Eaton & Lyon, 1955: 11, figs 1-3 (biol.); Linsley, 1957: 12 (syn.); Eaton, 1959: 114 (biol.); Linsley, 1962: 72, fig. 27; Hatch, 1971: 95, pl. 16, fig. 1; Kirk & Balsbaugh, 1975: 97 (distr.); Furniss & Carolin, 1977: 291, fig. 174A (hosts); Chemsak, Linsley & Mankins, 1980: 29 (distr.); Chemsak, Linsley & Noguera, 1992: 24 (cat.); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 22, pl. 1, fig. 11 (rev.); Linsley & Chemsak, 1997: 345 (hosts); Heffern 1998: 7 (distr.); Monné, M.A., 2002: 33 (cat. hosts); Turnbow, Cave & Thomas, 2003: 5 (distr.); Monné, M.A., & Giesbert, 1994: 22 (checklist); Monné, M.A., 2006: 109 (cat.); Hovore, 2006: 371 (distr.); Monné, M.A. & Hovore, 2006: 24 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 81, pl. 14

Criocephalus elongatus Casey, 1924: 230; Lingafelter *et al.*, 2014: 57, figs 60w, x (lect. designation).

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

Criocephalus propinquus Casey, 1924: 230; Lingafelter *et al.*, 2014: 303, figs 136g, h (lect. designation).

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

8. *Arhopalus rusticus rusticus* (Linnaeus, 1758)

Syntypes locality - Syntypes: Suecia. (UZIU). **Distribution** - Europe, Palearctic Asia through Japan; north of Africa, and North America (except Pacific Coast). Introduced in Argentina (Buenos Aires).

Cerambyx rusticus Linnaeus, 1758: 395.

Arhopalus rusticus; Laporte, 1840: 453; Linsley, 1962: 63; Monné, M.A., & Giesbert, 1994: 22 (checklist); Chemsak, 1996: 23; Di Iorio, 2004d: 664 (distr.); Turienzo, 2007: 321 (hosts, distr.); Monné, M.L., Monné, M.A. & Wang, 2017: 35, fig. 58 (larva); Bousquet, Laplante, Hammond & Langor, 2017: 81, pl. 14

***Asemum* Eschscholtz, 1830**

Asemum Eschscholtz, 1830: 66; Audinet-Serville, 1834b: 79; Westwood, 1838: 40; Mulsant, 1839: 62; LeConte, 1850a: 35; Thomson, 1861a: 260; Mulsant, 1863: 119, 425; Thomson, 1864: 268; 1865: 464; Lacordaire, 1868: 206; LeConte, 1873b: 293; LeConte & Horn, 1883: 277, 278; Leng, 1884: 62; Blatchley, 1910: 1014; Casey, 1912: 257; Craighead, 1923: 31 (larva); Bradley, 1930: 230; Hopping, 1931: 234 (syn.); Chagnon, 1936: 256; Knoll, 1946: 184; Dillon & Dillon, 1961: 582; Linsley, 1962: 78; Arnett, 1962: 856; Chagnon & Robert, 1962: 253, 256; Hatch, 1971: 95; Monné, M.A., 2006: 110 (cat.); Monné, M.A., 2012: 133; Bousquet, Laplante, Hammond & Langor, 2017: 82 (key spp.)

Type-species - *Cerambyx striatus* Linnaeus, 1758 (subsequent designation, Westwood, 1838).

Onychoplectes Gistel, 1856: 376.

Type-species - *Cerambyx striatus* Linnaeus, 1758 (monotypy).

Liasemum Casey, 1912: 262; Bradley, 1930: 230.

Type-species - *Asemum nitidum* LeConte, 1873 (subsequent designation, Linsley, 1962: 78).

1. *Asemum australe* LeConte, 1850

Type locality - Holotype: United States, Georgia. (MCZN). **Distribution** - Canada, Atlantic Coast from Massachusetts to Georgia and Louisiana. **Host plants** - *Pinus strobus* Linné (Pinaceae).

Asemum australe LeConte, 1850a: 35; White, 1855: 312; Linsley, 1957: 14 (syn.); 1962: 83, fig. 31; Turnbow & Franklin, 1980: 338; Chemsak, Linsley & Noguera, 1992: 24 (cat.); Monné, M.A., & Giesbert, 1994: 22 (checklist); Chemsak, 1996: 36, pl. 2, fig. 8; Yanega, 1996: 44, pl. 2, fig. 18; Schiefer, 1998: 116 (distr.); Vlasák & Vlasakova, 2002: 209 (distr.); Monné, M.A. & Hovore, 2006: 24 (checklist); Lingafelter, 2007: 15, 139 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 82, pl. 15

Criocephalus australis; LeConte, 1862: 43; 1873a: 170; 1873b: 294; Henshaw, 1874: 22 (distr.); LeConte & Horn, 1883: 179; Leng, 1884: 63; Evans, 1906: 99 (distr.); Wickham, 1909a: 28 (distr.).

Criocephalus champlainianus Casey, 1924: 231; Leonard, 1928: 434; Lingafelter *et al.*, 2014: 39, fig. 41g (holotype).

Type locality - Holotype male: United States, New York: near Lake George (Lake Champlain region). (USNM).

2. *Asemum caseyi* Linsley, 1957

Type locality - Holotype male: United States, California: Bear Valley (St. Bernardino Mts.). (CASC). **Distribution** - Canada. Coniferous forests of Oregon and California to Mexico (Baja California). **Host plants** - *Pinus contorta* Douglas ex Loudon, *P. coulteri* D. Don, *P. jeffreyi* Grev. & Balb., *P. lambertiana* Douglas, *P. ponderosa* Douglas ex Lawson & P. Lawson, *P. sabiniana* Douglas ex D. Don (Pinaceae).

Asemum caseyi Linsley, 1957: 13; 1962: 83, fig. 31; Barr & Penrose, 1969: 88 (distr.); Hatch, 1971: 96; Furniss & Carolin, 1977: 292; Skiles, 1978b: 14 (biol.); Hovore, 1988: 4 (distr.); Chemsak, Linsley & Noguera, 1992: 24 (cat.); Monné, M.A., & Giesbert, 1994: 22 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 34, pl. 2, fig. 7 (rev.); Linsley & Chemsak, 1997: 346 (hosts); Monné, M.A., 2002: 35 (cat. hosts); Monné, M.A.,

2006: 111 (cat.); Monné, M.A. & Hovore, 2006: 24 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 83, pl. 15

3. *Asemum nitidum* LeConte, 1873

Type locality - Holotype male: United States, Oregon. (MCZN). **Distribution** - Pacific Coast of North America from British Columbia to southern California and New Mexico.

Host plants - *Abies* sp., *Pinus jeffreyi* Balfour, *P. ponderosa* Douglas ex Lawson & P. Lawson, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Asemum nitidum LeConte. 1873a: 169; Leng, 1884: 62; Fall, 1901: 143 (distr.); Hopkins, 1904: 21 (biol.); Garnett, 1918: 173 (distr.); Craighead, 1923: 32, pls 2,3,7; Hopping, 1931: 235; Beaulne, 1932: 197 (hosts); Doane *et al.*, 1936: 167; Keen, 1952: 196 (biol.); Linsley, 1957: 13 (syn.); Townes & Townes, 1960: 157 (paras.); Linsley, 1962: 82; Barr & Penrose, 1969: 88 (distr.); Furniss & Carolin, 1977: 292; Skiles, 1978b: 14 (distr.); Chemsak, Linsley & Noguera, 1992: 24 (cat.); Monné, M.A., 1994: 22 (cat.); Monné, M.A., & Giesbert, 1994: 22 (checklist); Chemsak, 1996: 33, pl. 2, fig. 6; Linsley & Chemsak, 1997: 346 (hosts); Monné, M.A. & Hovore, 2006: 24 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 83

Liasemum nitidum; Casey, 1912: 262; Essig, 1926: 450; Moore, 1937: 87 (distr.);

Liasemum mokelumne Casey, 1912: 262; Moore, 1937: 87 (distr.); Lange, 1937: 174 (hosts); Lingafelter *et al.*, 2014: 101, 368, fig. 111g (lectotype).

Asemum mokelumne; Hopping, 1931: 235; Doane *et al.*, 1936: 167; Keen, 1952: 196 (hosts);

Type locality - Lectotype female: United States, California: Calaveras County, Mokelumne Hill. (USNM).

4. *Asemum striatum* (Linnaeus, 1758)

Syntypes locality - Syntypes: Sweden. (UZI). **Distribution** - Coniferous belt of Europe,

Asia and North America. **Host plants** - *Abies firma* Siebold & Zuccarini, *A. holophylla* Maximowicz, *A. homolepis* Siebold & Zuccarini, *A. mariesii* Masters, *A. nephrolepis* (Trautvetter) Maximowicz, *A. sachalinensis* Masters, *A. veitchii* Lindley, *Larix europaea* de Candolle, *L. kaempferi* Fortune ex Gordon, *L. koreana* Nakai, *L. laricina* (Duroi) K. Koch, *Picea abies* Linné, *P. glauca* (Moench) Voss, *P. jezoensis* Carrière, *P. koraiensis* Nakai, *Pinus armandii* Franchet, *P. contorta* Douglas ex Loudon, *P. densiflora* Siebold & Zuccarini, *P. echinata* Miller, *P. inops* Solander, *P. jeffreyi* Balfour, *P. koraiensis* Siebold & Zuccarini, *P. nigra* Arnold, *P. ponderosa* Douglas ex Lawson & P. Lawson, *P. resinosa* Aiton, *P. rigida* Miller, *P. strobus* Linné, *P. sylvestris* Linné, *P. tabulaeformis* Hortulanorum ex C. Koch, *P. thunbergii* Parlatore, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae), *Cryptomeria japonica* D. Don (Taxodiaceae).

Cerambyx striatus Linnaeus, 1758: 396; 1761: 192; 1767: 635.

Callidium striatum; Fabricius, 1775: 191; 1801: 343; Kirby, 1837: 171; Bethune, 1872: 56.

Asemum striatum; Audinet-Serville, 1834: 69; White. 1855: 312; Thomson, 1864: 268; Heyden, 1890: 132 (syn.); Smith, 1905: 165 (hosts); Dillon & Dillon, 1961: 582, pl. 57, No. 9; Linsley, 1962: 79, figs 29, 30; Hatch, 1971: 97, pl. 9, fig. 6; Swan & Papp, 1972: 444, fig. 934; Gosling, 1973: 68 (distr.); Perry, 1975: 59 (hosts); Kirk & Balsbaugh, 1975: 97 (distr.); Furniss & Carolin, 1977: 292 (hosts); Turnbow & Franklin, 1980: 338 (distr.); Gosling, 1984: 71 (hosts); Waters & Hyche, 1984: 284 (distr.); Gosling, 1986: 255 (hosts); Chemsak, Linsley & Noguera, 1992: 24 (cat.); MacRae, 1993: 227 (distr., hosts); Monné, M.A., 1994: 23 (cat.); Monné, M.A., & Giesbert, 1994: 22 (checklist); Chemsak, 1996: 32, pl. 2, fig. 5; Yanega, 1996: 94, pl. 2, figs 17a,b; Linsley & Chemsak, 1997: 345 (hosts); Heffern, 1998: 7 (distr.); Schiefer, 1998: 116 (distr.); Peck & Thomas, 1998: 117 (distr.); Vlasák & Vlasakova, 2002: 209 (distr., hosts); Turnbow, Cave & Thomas, 2003: 5 (distr.); Sikes & Webster, 2005: 327 (distr.); Monné, M.A. & Hovore, 2006: 24 (checklist); Lingafelter, 2007: 15, 139, 2 figs, pl. 3c (hosts); Webster, McCorquodale & Majka, 2009: 221 (distr.); Holt, 2013: 246 (distr.); Webster, 2016: 486; Monné, M.L., Monné, M.A. & Wang, 2017, fig. 97; Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 82, pl. 15

Callidium agreste Fabricius, 1787: 152; 1801: 338; Zimsen, 1964: 179 (type).

Type locality - Holotype: Germany, Saxe-Anhalt: Halle. (ZMUC).

Callidium(Callidium) dichrous Gmelin, 1790: 1846.

Type locality -

Callidium buprestoide Savenius, 1825: 64.

Type locality - Holotype: Finlandia. (Depository unknown).

Asemum atrum Eschscholtz, 1830: 66; LeConte, 1851: 105; White, 1855: 312; LeConte, 1857: 23; LeConte, 1869: 371; Snow, 1877: 19 (distr.); Harrington, 1881: 22 (biol.); Leng, 1884: 62; Holland, 1888: 91 (distr.); Harrington, 1890: 185 (distr.); Packard, 1890: 809 (hosts); Keen, 1895: 219 (distr.); Beutenmuller, 1896: 74 (hosts); Wickham, 1897b: 105; Chagnon, 1897: 15 (distr.); Harrington, 1899: 107 (distr.); Warren, 1899: 196 (distr.); Ouellet, 1902: 122 (distr.); Fall & Cockerell, 1907: 191 (distr.); Casey, 1912: 259; Garnett, 1918: 173 (distr.); Craighead, 1920: 8; 1923: 32, pl. 6, fig. 1 (larva); Fall, 1926: 201 (distr.); Essig, 1926: 450; Engelhardt, 1927: 73 (distr.); Knowlton, 1930: 56; Pack, 1930: 219 (distr.); Hopping, 1931: 235; Beaulne, 1932: 197 (hosts); DeLeon, 1934: 57 (hosts); Brown, 1934: 229 (distr.); Mank, 1934: 79 (distr.); Knowlton & Thatcher, 1936: 278 (distr.); Chagnon, 1936: 256; Doane *et al.*, 1936: 167, fig. 81; Lange, 1937: 174 (hosts); Kimmey & Furniss, 1943: 26; Knull, 1946: 148, pl. 4, fig. 11; Leech, 1947: 108 (hosts); Knowlton & Wood, 1950: 10 (distr.); Howden & Vogt, 1951: 591 (hosts); Beal, Haliburton & Knight, 1951: 121 (biol.); Keen, 1952: 195 (biol.); Thomas, 1955: 340 (hosts); Hicks, 1955: 165 (distr.); Clark, 1956: 41 (distr.); Gardiner, 1957: 249; Linsley, Knull & Statham, 1961: 9 (distr.); Chagnon & Robert, 1962: 256; Laliberté, Chantal & LaRochelle, 1977: 91.

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

Asemum moestum Haldeman, 1847a: 35; LeConte, 1850a: 35; Mannerheim, 1853: 248; White, 1855: 312; LeConte, 1857: 23; Bland, 1861: 94; Pettit, 1871: 105; Packard, 1872: 496, fig. 483; Henshaw, 1874: 22; Horn, 1876: 169; LeConte, 1879: 505; Riley, 1880: 238 (hosts); Harrington, 1881: 33 (biol.); Packard, 1881: 156, fig. 70 (biol.); Leng, 1884: 62, pl. 2, fig. 1; Knaus, 1885: 69 (distr.); Packard, 1890: 697, 829, pl. 19, fig. 1, fig. 234; Hopkins, 1893: 192 (biol.); Hamilton, 1894: 30; 1895: 337; Slosson, 1894: 3 (distr.); Evans, 1895: 173 (distr.); Beutenmuller, 1896: 74 (hosts); Wickham, 1897b: 105; 1899: 109 (distr.); Smith, 1900: 285 (distr.); Dury, 1902: 158 (distr.); Ouellet, 1902: 122 (distr.); MacGillivray & Houghton, 1902: 252 (distr.); Knaus, 1903: 176 (distr.); Ulke, 1903: 25, 50 (distr.); Hopkins, 1904: 35 (biol.); Chagnon, 1905: 35 (distr.); 1905: 232; Houghton, 1905: 51 (distr.); Fall & Cockerell, 1907: 191 (distr.); Wickham, 1909a: 28 (distr.); Smith, 1910: 324; Frost, 1912: 306 (distr.); Casey, 1912: 257; Nicolay, 1917: 94 (distr.); Chagnon, 1917: 230 (distr.); Blackman & Stage, 1918: 6 (biol.); Nicolay, 1919: 63 (distr.); Britton, 1920: 266 (distr.); Craighead, 1923: 31, pl. 6, figs 8, 12, pl. 25, figs 1,2; Hatch, 1925: 579 (distr.); Kirk & Knull, 1926: 21 (distr.); Procter, 1927: 110 (distr.); Leonard, 1928: 434 (distr.); Beaulne, 1932: 197 (hosts); Wolcott & Montgomery, 1933: 155; Easterling, 1934: 140 (hosts); Brown, 1934: 229 (distr.); Herrick, 1935: 252, 377 (biol.); Doane *et al.*, 1936: 167; Brimley, 1938: 210 (distr.); Savelly, 1939: 333 (biol.); Parmelee, 1941: 377 (hosts); Loding, 1945: 114 (distr.); Procter, 1946: 176 (distr.); Hardy, 1948: 32 (distr.); Craighead, 1950: 237; Gardiner, 1950: 1.

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

Asemum moestum var. *obsoletum* Haldeman, 1847a: 35.

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

Asemum moestum var. *brunneum* Haldeman, 1847a: 35.

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

Asemum substriatum Haldeman, 1847a: 36.

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

Asemum juvenicum Haldeman, 1847a: 36; Casey, 1912: 257.

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

Asemum fuscum Haldeman, 1847a: 36; Casey, 1912: 261.

Type locality - United States. (MCZN).

Asemum subsulcatum Motschulsky, 1860: 152.

Type locality - Lectotype male: Russia, Siberia. (ZMUM).

Asemum amurense Kraatz, 1879: 97.

- Syntypes locality** - Syntypes: Rusia, Ost Siberien: Amur.(SDEI).
Asemum gracilicorne Casey, 1912: 258; Lingafelter et al., 2014: 70, fig. 75q (holotype).
Type locality - Holotype male: United States, Wisconsin: Bayfield. (USNM).
Asemum ebum Casey, 1912: 258; Leonard, 1928: 434 (distr.); Lingafelter et al., 2014: 56, fig. 59s (holotype).
Type locality - Holotype female: United States, Lake Superior. (USNM).
Asemum curtipenne Casey, 1912: 258; Lingafelter et al., 2014: 49, fig. 52a (holotype).
Type locality - Holotype female: United States, Wisconsin: Bayfield. (USNM).
Asemum amputatum Casey, 1912: 259; Lingafelter et al., 2014: 15, fig. 15c (holotype).
Type locality - Holotype male: United States, Massachusetts: Wellesley. (USNM).
Asemum parvicorne Casey, 1912: 260; Lingafelter et al., 2014: 296, fig. 128 m (holotype).
Type locality - Holotype female: United States, Colorado: Boulder County. (USNM).
Asemum fulvipenne Casey, 1912: 260; Knowlton & Thatcher, 1936: 278 (distr.); Lingafelter et al., 2014: 77, fig. 72c (holotype).
Asemum atrum fulvipenne; Casey, 1924: 228;.
Type locality - Holotype female: United States, Wyoming: Laramie. (USNM).
Asemum costulatum Casey, 1912: 260; Lingafelter et al., 2014: 47, fig. 49q (holotype).
Type locality - Holotype female: Canada, British Columbia: Aldermere. (USNM).
Asemum pugetanum Casey, 1912: 261; Lingafelter et al., 2014: 305, 365, fig. 138 g (lectotype).
Type locality - Lectotype male: United States, Washington: Seattle. (USNM).
Asemum brevicorne Casey, 1912: 261; Lingafelter et al., 2014: 32, fig. 33e (holotype).
Type locality - Holotype male: Canada, Ontario. (USNM).
Asemum amurense var. *tomentosum* Plavilstshikov, 1915: 108.
Type locality - Lectotype male: China, Manchuria, Prov. Girin: Chandaohedzy. (ZMUM).
Asemum striatum var. *limbatipenne* Pic, 1916: 10.
Type locality - Holotype: France, Saône-et-Loire: Marly-sous-Issy.(MNHN).
Asemum carolinum Casey, 1924: 227; Brimley, 1938: 210 (distr.); Lingafelter et al., 2014: 37, 365, fig. 38u (lectotype).
Type locality - Lectotype male: United States, North Carolina: Southern Pines. (USNM).
Asemum stocktonense Casey, 1924: 227; Lingafelter et al., 2014: 324, fig. 160 c (holotype).
Type locality - Holotype male: United States, Utah: Stockton. (USNM).
Asemum striatum var. *Theresae* Pic, 1945: 6
Type locality - Holotype: France, Saône-et-Loire: Digoin. (MNHN).

***Megasemum* Kraatz, 1879**

Megasemum Kraatz, 1879: 97; Sharp, 1905: 147; Van Dyke, 1937: 112; Linsley, 1962: 76; Arnett, 1962: 856; Hatch, 1971: 94; Monné, M.A., 2006: 111 (cat.); Monné, M.A. & Hovore, 2006: 25 (checklist); Monné, M.A., 2012: 133.

Type-species - *Megasemum quadricostulatum* Kraatz, 1879 (monotypy)

1. *Megasemum asperum* (LeConte, 1854)

Syntypes locality - Syntypes: United States, Oregon: Prairie Paso. (MCZN). **Distribution** - Coniferous belt of western North America to southern montane Arizona and northern Mexico (Sonora). **Host plants** - *Abies* sp., *Pinus contorta* Douglas ex Loudon, *P. monticola* Douglas ex D. Don, *Pseudotsuga menziesii* (Mirbel) Franco (Pinaceae).

Asemum asperum LeConte, 1854a: 18; 1857: 60; 1862: 42; 1869: 371.

Nothorhina aspera; LeConte, 1873a: 169; 1873b: 294; LeConte & Horn, 1883: 279; Leng, 1884: 63; 1886: pl. 3, fig. 24; Smith, 1888: 91; Harrington, 1899: 108 (distr.); Knaus, 1903: 176 (distr.); Snow, 1906b: 170 (distr.); Fall & Cockerell, 1907: 191 (distr.); Casey, 1912: 263; Garnett, 1918: 173 (distr.); Craighead, 1923: 33, pl. 6, fig. 10 (larva); Hardy & Preece, 1927b: 61 (biol.); Beaulne, 1932: 198 (hosts); Mank, 1934: 79 (distr.).

Megasemum asperum; DeLeon, 1934: 57 (hosts); Doane et al., 1936: 167 (biol.); Van Dyke, 1937: 112; Hardy, 1942: 10 (biol.); Keen, 1952: 196 (hosts); Linsley, 1957: 12 (syn.); Linsley, Knull & Statham, 1961: 9 (distr.); Linsley, 1962: 77, fig. 28; Ross, 1968: 11, 12 (biol.); Hatch, 1971: 96; Furniss & Carolin, 1977: 293; Chemsak, Linsley & Noguera, 1992: 25

(cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 29, pl. 2, fig. 4 (rev.); Linsley & Chemsak, 1997: 396 (hosts); Heffern, 1998: 7 (distr.); Monné, M.A., 2002: 35 (cat. hosts); Monné, M.A., 2006: 111 (cat.); Monné, M.A. & Hovore, 2006: 25 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 82, pl. 15

Nothorhina aspera impressa Casey, 1912: 264; Lingafelter *et al.*, 2014: 20, figs 20o, p (lect. designation).

Type locality - Lectotype male: United States, Colorado: Boulder Co. (USNM).

Nothorhina aspera rectipennis Casey, 1912: 264; Lingafelter *et al.*, 2014: 20, figs 20q, r (holotype).

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

Criocephalus uteanus Casey, 1924: 231; Lingafelter *et al.*, 2014: 339, figs 177q, r (holotype).

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

Tetropium Kirby, 1837

Callidium (Tetropium) Kirby in Richardson, 1837: 174;

Tetropium; Haldeman, 1847b: 372; LeConte, 1850a: 34; 1850b: 35; Thomson, 1861a: 258; Kraatz, 1863: 106; Thomson, 1864: 266; 1865: 462; Lacordaire, 1868: 208; Bethune, 1872: 93; LeConte, 1873b: 293, 294; Provancher, 1877: 578, 585; LeConte & Horn, 1883: 277, 278; Leng, 1884: 95; Casey, 1891: 22; 1896: 165; Wickham, 1897b: 105; Gahan, 1906: 95; Casey, 1912: 268; Craighead, 1923: 33 (larva); Bradley, 1930: 230; Chagnon, 1936: 256; Knull, 1946: 248; Linsley, 1962: 85; Arnett, 1962: 856; Chagnon & Robert, 1962: 253, 256; Hatch, 1971: 95; Mroczkowski, 1986: 188; Svacha & Danilevsky, 1987: 153 (larva); Monné, M.A., 2006: 111 (cat.); Monné, M.A. & Hovore, 2006: 24 (checklist); Monné, M.A., 2012: 133; Bousquet, Laplante, Hammond & Langor, 2017: 83 (key spp.)

Type-species - *Tetropium cinnamopterum* Kirby, 1837 (subsequent designation, Thomson, 1864: 266).

Isarthron Dejean, 1835: 229.

Type-species - *Callidium aulicum* Fabricius, 1775 (Linsley designation, 1962: 85).

Criomorphus Mulsant, 1839: 58; 1863: 115, 421; Planet, 1924: 236; Portevin, 1927: 26.

Type-species - *Callidium aulicum* Fabricius, 1775 (monotypy).

1. *Tetropium abietis* Fall, 1912

Syntypes locality - Syntypes male and female: United States, California: Fresno County, Huckleberry Meadow. (MCZN), **Distribution** - Pacific Coast from Washington south to southern California. **Host plants** - *Juniperus* sp. (Cupressaceae), *Abies concolor* Gordon & Glen, *A. magnifica* A. Murray (Pinaceae).

Tetropium abietis Fall, 1912: 320; Craighead, 1923: 34, pl. 3, fig. 8, pl. 8, fig. 7 (larva); Essig, 1926: 450 (biol.); Craighead & Middleton, 1930: 9 (biol.); Beaulne, 1932: 198 (hosts); Doane *et al.*, 1936: 168 (biol.); Hatch, 1938: 187; Keen, 1952: 173 (biol.); Anderson, 1960: 255 (biol.); Linsley, 1962: 87, figs 32,33; Tyson, 1966: 207 (hosts); Ruetten, 1970: 22 (paratype); Hatch, 1971: 97, pl. 9, fig. 7; Swan & Papp, 1972: 444, fig. 933; Furniss & Carolin, 1977: 293 (hosts); Chemsak, Linsley & Noguera, 1992: 25 (cat.); Monné, M.A., 1994: 25 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 39, pl. 2, fig. 9; Linsley & Chemsak, 1997: 443 (hosts); Monné, M.A. & Hovore, 2006: 24 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 84, pl. 15

2. *Tetropium auripilis* Bates, 1885

Type locality - Holotype male: Mexico, Veracruz: Las Vigas. (MNHN). **Distribution** - United States (southern Arizona), Mexico (Chihuahua, Veracruz)

Tetropium auripilis Bates, 1885: 435; Linsley, 1934c: 162; Linsley, Knull & Statham, 1961: 9 (distr.); Linsley, 1962: 91, fig. 33; Chemsak, Linsley & Noguera, 1992: 25 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Monné, M.A., 2006: 112 (cat.); Monné, M.A. & Hovore, 2006: 24 (checklist); Gutiérrez & Noguera, 2015: 138 (distr.).

3. *Tetropium cinnamopterum* Kirby, 1837

Syntypes locality - Syntypes: America Borealis, Latitude 65 degrees. (BMNH).

Distribution - Northeastern United States to Alaska. **Host plants** - *Abies* sp., *Picea glauca* (Moench) Voss, *Pinus inops* Solander, *P. ponderosa* Douglas ex Lawson & P. Lawson (Pinaceae).

Callidium (Tetropium) cinnamopterum Kirby, 1837: 174, pl. 5, fig. 8.

Callidium cinnamopterum; Haldeman, 1847a: 37.

Tetropium cinnamopterum; LeConte, 1850b: 234; 1850a: 35; White, 1855: 327; LeConte, 1857: 6, 23 (distr.); Thomson, 1864: 266; Bethune, 1872: 94 (distr.); Horn, 1876: 169; Provancher, 1877: 586; Snow, 1877: 19 (distr.); Leng, 1884: 96; Snow, 1885: 68 (distr.); Leng, 1885: 35, pl. 1, fig. 1; Harrington, 1890: 185 (distr.); Casey, 1891: 22; Slosson, 1893: 290 (distr.); 1894: 3 (distr.); Hopkins, 1893: 192; Hamilton, 1895: 337 (distr.); 1896: 165; Evans, 1895: 173 (distr.); Wickham, 1897b: 105; MacGillivray & Houghton, 1902: 252 (distr.); Skinner, 1903: 40 (distr.); Hopkins, 1904: 27 (biol.); Houghton, 1905: 51 (distr.); Snow, 1906: 179 (distr.); Fall & Cockerell, 1907: 191 (distr.); Davis, 1909: 42 (distr.); Blatchley, 1910: 1015; Morris, 1916: 19 (hosts); Chagnon, 1917: 230 (distr.); Gibson, 1917: 150 (distr.); Britton, 1920: 266 (distr.); Rohwer, 1921: 442 (paras.); Craighead, 1923: 34, pl. 2, figs 1-2, pl. 6, fig. 9 (larva); Fall, 1926: 201 (distr.); Kirk & Knoll, 1926: 21 (distr.); Leonard, 1928: 434 (distr.); Beaulne, 1932: 198 (hosts); Mank, 1934: 79 (distr.); Chagnon, 1936: 256; Doane *et al.*, 1936: 168; Chagnon, 1939: 86 (distr.); Morley, 1939: 244 (biol.); Townes, 1944: 772 (paras.); Knoll, 1946: 149; Procter, 1946: 177 (distr.); Craighead, 1950: 268 (biol.); Howden & Vogt, 1951: 591 (hosts); Belyea, 1952: 325 (hosts); Duffy, 1953: 259, fig. 121 (larva); Gardiner, 1957: 249, figs 1, 10, 15; Townes & Townes, 1960: 109, 159, 375 (paras.); Linsley, 1962: 89; Roff, 1967: 27 (hosts); Ross, 1968: 12 (biol.); Ross & Vanderwal, 1969: 10, figs. 1-5; Baker, 1972: 199; Swan & Papp, 1972: 444; Gosling, 1973: 68, fig. 10 (biol.); Raske, 1973: 745, figs 1-6; Furniss & Carolin, 1977: 293 (hosts); Chemsak, Linsley & Noguera, 1992: 25 (cat.); Monné, M.A., 1994: 25 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 42; Yanega, 1996: 44, pl. 2, fig. 21; Androw & Keeney, 1999: 2 (distr.); Vlasák & Vlasakova, 2002: 209 (distr., hosts); Webster, McCorquodale & Majka, 2009: 291 (distr.); Costello, Jacobi & Negrón, 2013: 151 (hosts); Webster, 2016: 486; Goczal, Sweeney & Tofilskim 2017: 497, fig. 3 (morph.); Bousquet, Laplante, Hammond & Langor, 2017: 85, pl. 15

Tetropium cinnamopterum cinnamopterum; Chemsak, 1996: 43, pl. 2, fig. 11; Linsley & Chemsak, 1997: 443 (hosts); Monné, M.A. & Hovore, 2006: 24 (checklist);

Criomorpha cinnamopterus; Mannerheim, 1853: 247.

4. *Tetropium fuscum* (Fabricius, 1787)

Syntypes locality - Syntypes: Germany, Saxe-Anhat: Halle. (ZMUC). **Distribution** - Europe, introduced in Canada. **Host plants** - *Abies* sp., *Picea abies* Linné, *P. excelsa* Link, *P. glauca* (Moench) Voss, *P. mariana* Britton, Sterns & Poggenburg, *P. orientalis* Carrière, *P. rubens* Sargent, *Pinus sylvestris* Linné (Pinaceae).

Callidium fuscum Fabricius, 1787: 154.

Tetropium fuscum; Smith & Hurley, 2001: 540 (distr., hosts); Silk *et al.*, 2007: 697 (pherom); Haack, Keena & Eyre, 2017: 75; Webster, 2016: 486; Haack, 2017: 120 (hosts); Hanks & Wang, 2017: 134 (biol.); Bousquet, Laplante, Hammond & Langor, 2017: 85

5. *Tetropium parallelum* Casey, 1891

Type locality - Lectotype female: United States, Colorado. (USNBM). **Distribution** - Canada, Colorado to Arizona and New Mexico. **Host plants** - *Abies concolor* Gordon & Glen (Pinaceae).

Tetropium parallelum Casey, 1891: 23; Leng & Hamilton, 1896: 165; Linsley, Knoll & Statham, 1961: 9 (distr.); Linsley, 1962: 91; Raske, 1973: 754; Chemsak, Linsley & Noguera, 1992: 25 (cat.); Monné, M.A., 1994: 26 (cat.); Chemsak, 1996: 45, -pl. 3, fig. 2; Heffern, 1998: 8 (distr.); Monné, M.A. & Hovore, 2006: 24 (checklist); Lingafelter *et al.*, 2014: 295, 370, fig. 127 m (lectotype); Bousquet, Laplante, Hammond & Langor, 2017: 85

6. *Tetropium parvulum* Casey, 1801

Type locality - Holotype male: United States, Indiana. (USNM). **Distribution** - North Central States to Alaska, and Colorado. **Host plants** - *Picea engelmanni* Engelmann, *P. glauca* (Moench) Voss, *Pinus resinosa* Aiton, *P. strobus* Linné (Pinaceae).

Tetropium parvulum Casey, 1891: 24; Leng & Hamilton, 1896: 165; Raske, 1973: 745 (biol.); 1973: 757; Furniss & Carolin, 1977: 294 (hosts); Yanega, 1996: 44, pl. 2, fig. 22; Lingafelter *et al.*, 2014: 296, fig. 128q (holotype).

Tetropium cinnamopterum parvulum; Linsley, 1962: 89, fig. 33; Hatch, 1971: 98; Gosling, 1976: 158 (hosts); Chemsak, Linsley & Noguera, 1992: 25 (cat.); Monné, M.A., 1994: 25 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 44, pl. 2, fig. 12; Linsley & Chemsak, 1997: 443 (hosts); Heffern, 1998: 7 (distr.); Monné, M.A. & Hovore, 2006: 24 (checklist);

Tetropium parvulum; Bousquet, Laplante, Hammond & Langor, 2017: 85

Tetropium alaskanum Fall, 1926: 201; Raske, 1973: 754.

Type locality - Holotype male: United States, Alaska: Sheep Creek on the Yukon River below Eagle. (MCZN).

7. *Tetropium schwarzianum* Casey, 1891

Type locality - Holotype female: United States, Michigan: Marquette. (USNM). **Distribution** - Minnesota to Nova Scotia to North Carolina. **Host plants** - *Picea* sp., *Pinus resinosa* Aiton, *P. strobus* Linné (Pinaceae).

Tetropium schwarzianum Casey, 1891: 24; Leng & Hamilton, 1896: 165; Linsley, 1962: 89; Raske, 1973: 754; Gosling, 1973: 68 (distr.); 1986: 158 (hosts); Chemsak, Linsley & Noguera, 1992: 25 (cat.); Monné, M.A., 1994: 26 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 94, pl. 3, fig. 1; Yanega, 1996: 44, pl. 2, fig. 19; Linsley & Chemsak, 1997: 443 (hosts); Androw & Keeney, 1999: 2 (distr.); Vlasák & Vlasakova, 2002: 209 (distr.); Morris, 2002: 209 (distr., hosts); Monné, M.A. & Hovore, 2006: 25 (checklist); Lingafelter, 2007: 15, 139, 2 figs, pl. 3h (hosts); Webster, McCorquodale & Majka, 2009: 292 (distr.); Lingafelter *et al.*, 2014: 316, fig. 150q (holotype); Webster, 2016: 486; Klingeman *et al.*, 2017: 294 (distr.); DiGirolamo & Dodds, 2017: 410 (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 85

7. *Tetropium velutinum* LeConte, 1869

Syntypes localities - Syntypes female: Canada, British Columbia: Vancouver's Island. United States, Oregon. (MCZN). **Distribution** - Pacific Coast and northern Rocky Mountains, to southern Arizona. **Host plants** - *Abies* sp., *Larix laricina* (Duroi) K. Koch, *L. occidentalis* Nuttall, *Pseudotsuga menziesii* (Mirbel) Franco, *P. mucronata* Rafinesque, *Tsuga heterophylla* (Rafinesque) Sargent (Pinaceae).

Tetropium velutinum LeConte, 1869: 382; Leng, 1884: 95; Holland, 1888: 91 (distr.); Casey, 1891: 23; Leng & Hamilton, 1896: 165; Fall, 1901: 143 (distr.); Fall & Cockerell, 1907: 191 (distr.); Garnett, 1918: 174 (distr., hosts); Rohwer, 1921: 442 (paras.); Craighead, 1923: 34, pl. 6, fig. 5, pl. 14; Essig, 1926: 450 (biol.); Hardy & Preece, 1927a: 187 (hosts); Leonard, 1928: 434 (distr.); Craighead & Middleton, 1930: 9 (biol.); Beaulne, 1932: 198 (hosts); Mank, 1934: 79 (distr.); DeLeon, 1934: 58 (hosts); Doane *et al.*, 1936: 168 (hosts); Hardy, 1942: 10 (biol.); Townes, 1944: 772 (paras.); Knull, 1946: 149, pl. 4, fig. 10; Leech, 1947: 108 (hosts); Hardy, 1948: 32 (distr.); Knowlton & Wood, 1950: 10 (distr.); Keen, 1952: 173 (biol.); Clark, 1956: 41 (distr.); Linsley, 1957: 15 (syn.); 1962: 88, fig. 33; Ross, 1967a: 23; 1967b: 25, figs 1-3; Ross, 1968: 11; Ross & Geistlinger, 1968: 14 (insecticides); Finlayson, 1969: 62 (paras.); Hatch, 1971: 97; Furniss & Carolin, 1977: 294 (hosts); Chemsak, Linsley & Noguera, 1992: 25 (cat.); Monné, M.A., 1994: 26 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 40, pl. 2, fig. 10; Yanega, 1996: 44, pl. 2, fig. 20; Linsley & Chemsak, 1997: 443 (hosts); Heffern 1998: 8 (distr.); Monné, M.A. & Hovore, 2006: 25 (checklist); Maier, 2017: 426 (distr.); Rice, MacRae & Merickel, 2017: 669 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 85

Tetropium columbianum Casey, 1912: 268; Clark, 1956: 421 (distr.); Lingafelter *et al.*, 2014: 43, fig. 44 q (holotype).

Type locality - Holotype male: Canada, British Columbia: Inverness. (USNM).

Tetropium hexagonum Casey, 1924: 228; Lingafelter *et al.*, 2014: 75, fig. 80u (holotype).

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

Tetropium boreale Casey, 1924: 228; Lingafelter *et al.*, 2014: 31, fig. 31o (holotype).

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

ATIMIINI LeConte, 1873

Atimiini LeConte, 1873b: 292, 322; LeConte & Horn, 1883: 307; Leng, 1884: 61; Bradley, 1930: 228, 240; Linsley, 1939: 65 (rev.); Knull, 1946: 147; Linsley, 1962: 92; Arnett, 1962: 856; Hatch, 1971: 95; Monné, M.A., 1994: 27 (cat.); Monné, M.A., 2006: 113 (cat.); Monné, M.A. & Hovore, 2006: 25 (checklist); Bousquet, Heffern, Bouchard & Nearn, 2009: 21; Bouchard *et al.*, 2011: 465.

Type-genus: *Atimia* Haldeman, 1847.

Type-species: *Atimia tristis* Haldeman, 1847 (monotypy).

***Atimia* Haldeman, 1847**

Atimia Haldeman, 1847a: 56; 1847b: 373; LeConte, 185a: 25; Thomson, 1864: 224; 1865: 441; Lacordaire, 1868: 144; LeConte, 1873b: 322; LeConte & Horn, 1883: 307; Gahan, 1908: 144; Blatchley, 1910: 1041; Craighead, 1923: 34 (larva); Bradley, 1930: 240; Linsley, 1934a: 23; 1939: 65 (rev.); Knull, 1946: 147; Linsley, 1962: 92; Arnett, 1962: 856; Hatch, 1971: 95; Svacha & Danilevsky, 1987: 146; Monné, M.A., 2006: 113 (cat.); Monné, M.A. & Hovore, 2006: 25 (checklist); Monné, M.A., 2012: 133; Bousquet, Laplante, Hammond & Langor, 2017: 86

Type-species - *Atimia tristis* Haldeman, 1847 (monotypy) [= *Clytus confusus* Say, 1826].

Myctus Semenov & Plavilstshikov, 1937: 252.

Type-species - *Myctus maculipunctus* Semenov & Plavilstshikov, 1937 (original designation).

1. *Atimia confusa confusa* (Say, 1827)

Syntypes localities - Syntypes: United States, Pennsylvania, New Jersey, N.W. Territories. (Depository unknown). **Distribution** - Eastern and central United States and Canada. **Host plants** - *Chamaecyparis thyoides* (Linné) Britton, Sterns & Poggenburg, *Cupressus* sp., *Juniperus virginiana* Linné, *Thuja occidentalis* Linné (Cupressaceae), *Taxodium distichum* (Linné) Richard (Taxodiaceae).

Clytus confusus Say, 1827: 276; LeConte, 1859b: 333.

Clytus ? confusus; Haldeman, 1847a: 41.

Atimia confusa; Haldeman, 1847b: 373; LeConte, 1850a: 25; Thomson, 1861a: 373; 1864: 224; Lacordaire, 1868: 145; LeConte, 1873: 322; 1879: 505; Harrington, 1881: 33; LeConte & Horn, 1883: 307; Leng, 1890: 10; 1890: 110 (distr.); Packard, 1890: 809 (hosts); Schwarz, 1896: 44 (biol.); Beutenmuller, 1896: 77 (hosts); Wickham, 1897c: 169; Smith, 1900: 290 (distr.); Schwarz, 1901: 44; Fall, 1901: 247 (distr.); Ulke, 1903: 26, 50 (distr.); Smith, 1910: 329; Blatchley, 1910: 1042, fig. 443; Garnett, 1918: 211 (distr.); Craighead, 1923: 35 (larva); Kirk & Knull, 1926: 41 (distr.); Leonard, 1928: 448 (distr.); Beaulne, 1932: 203 (hosts); Davis, 1932: 213 (distr.); Linsley, 1934: 24; Doane *et al.*, 1936: 185; Brimley, 1938: 216 (distr.); Linsley, 1939: 68, pl. 14, fig. 7; Knull, 1946: 147, pl. 4, fig. 14; Craighead, 1950: 237 (biol.); Beal, Haliburton & Knight, 1952: 112 (biol.); Linsley, 1962: 95; Baker, 1972: 198; Swan & Papp, 1972: 444, fig. 935; Gosling, 1973: 68 (distr.); Laliberté, Chantal & LaRochelle, 1977: 91 (biol.); Furniss & Carolin, 1977: 292 (hosts); Chemsak, Linsley & Noguera, 1992: 25 (cat.); Chemsak, 1996: 51; Monné, M.A. & Hovore, 2006: 25 (checklist); Lingafelter, 2007: 76, 139, 2 figs, pl. 18e (hosts); Bousquet, Laplante, Hammond & Langor, 2017: 86, pl. 15; Klingeman *et al.*, 2017: 295 (distr.)

Atimia confusa confusa; Linsley, 1962: 96, pl. 1, fig. 5; Turnbow & Franklin, 1980: 338 (distr.); Rice, 1981: 460 (distr., hosts); MacRae, 1993: 227 (distr.); Monné, M.A., 1994: 27 (cat.);

Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 53, pl. 3, fig. 4; Yanega, 1996: 44, pl. 25, fig. 284; Linsley & Chemsak, 1997: 348 (hosts); Heffern, 1998: 8 (distr.); Schiefer, 1998: 116 (distr.); Peck & Thomas, 1998: 117 (distr.); Vlasák & Vlasakova, 2002: 209 (distr., hosts); Holt, 2013: 246 (distr.); Spomer, 2014: 298, fig. 2 (distr.); Webster et al., 2016: 12 (distr., hosts).

Atimia tristis Haldeman, 1847: 56.

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

1a. *Atimia confusa maritima* Linsley, 1939

Type locality - Holotype male: United States, California: Coastal Central California. (CASC).

Distribution - United States (Coastal central California). **Host plants** - *Cupressus goveniana* Gordon, *C. macrocarpa* Hartweg ex Gordon (Cupressaceae).

Atimia confusa maritima Linsley, 1939: 70; Linsley, 1962: 97, pl. 1, fig. 7, fig. 34; Tyson, 1966: 202 (hosts); Swan & Papp, 1972: 445; Furniss & Carolin, 1977: 292 (hosts); Chemsak, Linsley & Noguera, 1992: 25 (cat.); Monné, M.A., 1994: 28 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 54, pl. 3, fig. 6; Linsley & Chemsak, 1997: 349 (hosts); Monné, M.A. & Hovore, 2006: 25 (checklist);

Atimia maritima; Barr, 1947: 58 (hosts); Keen, 1952: 176 (hosts).

2. *Atimia dorsalis* LeConte, 1869

Syntypes locality - Syntypes: Canada, Vancouver's Island. (MCZN). **Distribution** - Pacific coast of North America, from British Columbia to the San Pedro Martir Mts. of Baja California to Utah. **Host plants**- *Calocedrus decurrens* (Torrey) Florin, *Cupressus forbesii* Jepson, *C. macrocarpa* Hartweg ex Gordon, *Juniperus* sp., *Thuja plicata* Donn ex D. Don (Cupressaceae), *Sequoia sempervirens* (D. Don) Endlicher (Taxodiaceae).

Atimia dorsalis LeConte, 1869: 385; 1873b: 322; Horn, 1876: 199 (distr.); LeConte & Horn, 1883: 307; Leng, 1890: 10; Horn, 1894: 339 (distr.); Fall, 1901: 147 (distr.); Wright & Coolidge, 1908: 68 (distr.); Garnett, 1918: 211 (distr.); Craighead, 1923: 34, pl. 3, fig. 4, pl. 6, fig. 2, pl. 8, fig. 5, pl. 23, fig. 5. pl. 25, figs 3, 4 (larva, hosts); Hardy, 1926: 32, pl. 4, fig. 6; Essig, 1926: 457 (hosts); Beaulne, 1932: 203 (hosts); Linsley, 1934a: 24; 1936: 199 (biol.); Doane et al., 1936: fig. 94; Moore, 1937: 90 (distr.); Linsley, 1939: 70, pl. 14, fig. 4 (rev.); 1942: 28 (distr.); Leech, 1944: 30 (biol.); Hardy, 1944: 17 (distr., hosts); DeLeon, 1952: 81 (hosts); Keen, 1952: 176 (hosts); Ross, 1968: 12 (biol.); Barr & Penrose, 1969: 89 (distr.); Bousquet, Laplante, Hammond & Langor, 2017: 87, pl. 15

Atimia confusa dorsalis; Linsley, 1962: 96, pl. 1, fig. 6, fig. 34; Tyson, 1966: 202 (hosts); Hatch, 1971: 98, pl. 9, fig. 8; Swan & Papp, 1972: 445; Furniss & Carolin, 1977: 292 (hosts); Hovore, 1988: 27 (distr.); Chemsak, Linsley & Noguera, 1992: 25 (cat.); Napp, 1994: 277, figs 20, 75, 104, 133, 146, 147, 171, 172, 228, 241; M.A., & Giesbert, 1994: 23 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 54, pl. 3, fig. 5 (rev.); Linsley & Chemsak, 1997: 349 (hosts); Monné, M.A., 2002: 36 (cat. hosts); Monné, M.A., 2006: 113 (cat.); Monné, M.A. & Hovore, 2006: 25 (checklist); Rice, MacRae & Merickel, 2017: 669 (distr.)

3. *Atimia gannoni* Hovore & Giesbert, 1974

Type locality - Holotype male: United States, California: Los Angeles County, Little Mt. Gleason 5 miles West of Mill Creek Summit. (CASC). **Distribution** - Southern California northward to Tuolumne Co. **Host plants** - *Calocedrus decurrens* (Torrey) Florin. (Cupressaceae).

Atimia gannoni Hovore & Giesbert, 1974: 139, figs 1, 3; Furniss & Carolin, 1977: 293 (hosts); Chemsak, Linsley & Noguera, 1992: 26 (cat.); Monné, M.A., 1994: 28 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 57, pl. 3, fig. 8; Monné, M.A. & Hovore, 2006: 25 (checklist);

4. *Atimia helenae* Linsley, 1934

Type locality - Holotype male: United States, California: Cypress Ridge, Marin County. (CASC). **Distribution** - Dry foothills of southern, central and northern California ; San Diego, Marin, Sonoma, Napa and Lake Counties. **Host plants** - *Cupressus forbesii* Jepson, *C. goveniana* Gordon, *C. pygmaea* Sargent, *C. sargentii* Jepson (Cupressaceae).

Atimia helenae Linsley, 1934a: 25; Doane *et al.*, 1936: 185; Linsley & Usinger, 1936: 55 (distr.); Linsley, 1939: 72, pl. 14, fig. 5; 1962: 97, pl. 1, fig. 2; Frankie & Jensen, 1971: 287, figs 1-4 (biol.); Furniss & Carolin, 1977: 293 (hosts); Chemsak, Linsley & Noguera, 1992: 26 (cat.); Monné, M.A., 1994: 28 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 61, pl. 3, fig. 11; Linsley & Chemsak, 1997: 349 (hosts); Monné, M.A. & Hovore, 2006: 25 (checklist);

5. *Atimia hoppingi* Linsley, 1939

Type locality - Holotype male: United States, Washington: Mt. Rainier, White R. Camp. (CASC). **Distribution** - Washington to northern California. **Host plants** - *Chamaecyparis nootkatensis* (D. Don) Spach, *Cupressus macnabiana* Andrew Murray (Cupressaceae).

Atimia hoppingi Linsley, 1939: 75, pl. 14, fig. 6; Keen, 1952: 176 (hosts); Linsley, 1962: 99, pl. 1, fig. 3, fig. 34; Hatch, 1971: 98, pl. 9, fig. 9; Hovore & Giesbert, 1974: 141, fig. 2; Furniss & Carolin, 1977: 293 (hosts); Chemsak, Linsley & Noguera, 1992: 26 (cat.); Monné, M.A., 1994: 28 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 58, pl. 3, fig. 9; Linsley & Chemsak, 1997: 349 (hosts); Monné, M.A. & Hovore, 2006: 25 (checklist); Bousquet, Laplante, Hammond & Langor, 2017: 87

6. *Atimia huachucae* Champlain & Knull, 1922

Type locality - Holotype female: United States, Arizona: Huachuca Mts. (FMNH). **Distribution** - United States (Southern Nevada, Colorado to Texas), northern Mexico (Chihuahua). **Host plants** - *Cupressus arizonica* Greene, *Juniperus deppeana* Steudel (Cupressaceae).

Atimia huachucae Champlain & Knull, 1922: 148; Linsley, 1934a: 24; Doane *et al.*, 1936: 185; Linsley, 1939: 67, pl. 14, fig. 1 (rev.); Keen, 1952: 176 (hosts); Linsley, Knull & Statham, 1961: 9 (distr.); Linsley, 1962: 93, pl. 1, fig. 4, fig. 34; Chemsak, 1977: 173 (type); Furniss & Carolin, 1977: 293 (hosts); Chemsak, Linsley & Noguera, 1992: 26 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Noguera & Chemsak, 1996: 396 (cat.); Chemsak, 1996: 55, pl. 3, fig. 7 (rev.); Linsley & Chemsak, 1997: 349 (hosts); Heffern, 1998: 8 (distr.); Monné, M. A., 2002: 36 (cat. hosts); Monné, M.A., 2006: 113 (cat.); Monné, M.A. & Hovore, 2006: 25 (checklist); Noguera & Gutierrez, 2016: 657 (distr.)

7. *Atimia vandykei* Linsley, 1939

Type locality - Holotype male: United States, New Mexico: Fort Wingate. (CASC). **Distribution** - New Mexico to California. **Host plants** - *Juniperus occidentalis* Hooker (Cupressaceae).

Atimia vandykei Linsley, 1939: 74, pl. 14, fig. 8; 1962: 98, pl. 1, fig., 1, fig. 34; Furniss & Carolin, 1977: 293 (hosts); Cope, 1984: 28 (hosts); Chemsak, Linsley & Noguera, 1992: 26 (cat.);

Monné, M.A., 1994: 28 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 59, pl. 3, fig. 10; Linsley & Chemsak, 1997: 349 (hosts); Monné, M.A. & Hovore, 2006: 25 (checklist);

***Paratimia* Fisher, 1915**

Paratimia Fisher, 1915: 78; Bradley, 1930: 240; Linsley, 1939: 77; Arnett, 1962: 856, 876; Linsley, 1962: 99; Hatch, 1971: 95; Monné, M.A., 1994: 29; Chemsak, 1996: 62; Monné, M.A. & Hovore, 2006: 25 (checklist);

Type-species - *Paratimia conicola* Fisher, 1915 (original designation).

1. *Paratimia conicola* Fisher, 1915

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

Distribution - United States (Coast Range Mts. of Oregon and California). **Host plants** - *Pinus contorta* Douglas ex Loudon, *P. tuberculata* Gordon (Pinaceae).

Paratimia conicola Fisher, 1915: 78; Rohwer, 1921: 451 (paras.); Craighead, 1923: 35, pl. 6, fig. 7, pl. 40, figs 6, 7; Essig, 1926: 795 (paras.); Doane *et al.*, 1936: 185, fig. 95; Linsley, 1939: 78, pl. 14, fig. 2; Townes, 1944: 773 (paras.); Keen, 1952: 23 (biol.); Ruckes, 1959: 134 (biol.); Townes & Townes, 1960: 384 (paras.); Linsley, 1962: 100, pl. 1, fig. 8; Hatch, 1971: 98; Chemsak, 1972: 150 (hosts); Furniss & Carolin, 1977: 293 (biol.); Chemsak, Linsley & Noguera, 1992: 26 (cat.); Monné, M.A., 1994: 29 (cat.); Monné, M.A., & Giesbert, 1994: 23 (checklist); Chemsak, 1996: 63, pl. 3, fig. 12; Linsley & Chemsak, 1997: 415 (hosts); Monné, M.A. & Hovore, 2006: 25 (checklist); Lingafelter *et al.*, 2014: 44, fig. 46g (holotype); Haack, 2017: 114 (hosts)

SAPHANIINI Gistel, 1848

Saphanidae Gistel, 1848: (8).

Saphanites; Fairmaire, 1868: 127.

Saphanides; Lacordaire, 1869: 211.

Saphanini; Aurivillius, 1912: 23; Bouchard *et al.*, 2011: 465.

Type-genus: *Saphanus* Audinet-Serville, 1834.

Type-species: *Callidium spinosum* Fabricius, 1792 (= *Callidium piceum* Laicharting, 1784) (monotypy).

Michthysomini LeConte, 1873b: 332. Comment: incorrect original stem formation, not in prevailing usage.

Michthysomini; LeConte & Horn, 1883: 317; Leng & Hamilton, 1896: 103.

Michthysomini; Linsley, 1962: 101; Arnett, 1962: 856.

Type-genus: *Michthisoma* J. L. LeConte, 1850 [as *Michthysoma*, incorrect subsequent spelling of type genus name, not in prevailing usage].

Type-species: *Michthisoma heterodoxus* LeConte, 1850 (monotypy).

***Michthisoma* LeConte, 1850**

Michthisoma LeConte, 1850a: 30; Thomson, 1861a: 229; Linsley, 1962: 101; Arnett, 1962: 856; Monné, M.A., 1993: 1 (cat.).

Michthisoma; Thomson, 1864: 131; Leng *in* Hamilton, 1896: 103; Davis & Leng, 1912: 13; Craighead, 1923: 103; Bradley, 1930: 228; Linsley, 1959: 127.

Type-species - *Michthisoma heterodoxus* LeConte, 1850 (monotypy).

1. *Michthisoma heterodoxum* LeConte, 1850

Type locality - Holotype: United States, Georgia: Yona Mountain (near the top). (MCZN).

Distribution - United States (Mountains of North Carolina to Georgia). **Host plants** - *Castanea* sp., *Quercus* sp. (Fagaceae), *Tilia* sp. (Malvaceae).

Michthisoma heterodoxum LeConte, 1850a: 30; Linsley, 1962: 102; Perry, 1977: 97 (distr.); Turnbow & Franklin, 1980: 338 (distr.); Chemsak, Linsley & Noguera, 1992: 26 (cat.); Monné, M.A., 1993: 1 (cat.); Monné, M.A., & Giesbert, 1994: 24 (checklist); Yanega, 1996:

45, pl. 17, fig. 208; Lingafelter, 2007: 68, 147, 2 figs, pl. 16 g (hosts); Vlasák, 2014: 318 (hosts); Klingeman *et al.*, 2017: 295 (distr.)

Michthysoma heterodoxum; Melsheimer, 1853: 103 (cat.); Thomson, 1864: 131; LeConte, 1873b: 332; LeConte & Horn, 1883: 317; Leng, 1896: 103 (distr.); Beutenmuller, 1903: 519 (biol., distr.); Leng, 1910: 77 (distr.); Mutchler, 1912: 213 (distr.); Craighead, 1923: 103, figs (larva); Brimley, 1938: 216 (distr.); Sherman, 1946: 127 (distr.); Fattig, 1947: 27 (distr.).

SPONDYLIDINI Audinet-Serville, 1832

Spondylii Audinet-Serville, 1832: 123.

Spondylidae; LeConte, 1851: 99. 1873: 279.

Spondylitae; Thomson, 1860: 261; 1864: 9.

Spondylinae; LeConte & Horn, 1883: 266; Casey, 1912: 218; Linsley, 1962: 62; Arnett, 1962: 854.

Spondylini; Aurivillius, 1912: 13; Bradley, 1930: 228.

Spondylidini; Bousquet, Heffern, Bouchard & Nearn., 2009: 22; Bouchard *et al.*, 2011: 465 ; Soydabaş-Ayoub *et al.*, 2022 : 21

Type-genus: *Spondylis* Fabricius, 1775.

Type-species: *Attelabus buprestoides* Linnaeus, 1758 designated by Latreille (1810: 431).

***Neospondylis* Sama, 2005**

Neospondylis Sama, 2005: 8; Monné, M.A., 2006: 114 (cat.); Monné, M.A. & Hovore, 2006: 23 (checklist); Monné, M.A., 2012: 134.

Type-species - *Spondylis upiformis* Mannerheim, 1843 (original designation).

Spondylis; LeConte, 1873b: 281; Bates, 1879: 14; LeConte & Horn, 1883: 266; Casey, 1912: 218; Bradley, 1930: 230; Linsley, 1962: 63; Arnett, 1962: 856; Napp, 1994: 272; Chemsak, 1996: 12. (not Fabricius, 1775).

Type-species - *Attelabus buprestoides* Linnaeus, 1758 (Thomson designation, 1864: 272).

1. *Neospondylis upiformis* (Mannerheim, 1843)

Type locality - Holotype: United States, Alaska: Sitkha. (FMUH). **Distribution** - Coniferous forest of North America from Alaska southeast to the Great Lakes region, south into the Rocky Mountains and along the Pacific coast, Mexico (Durango). **Host plants** - *Picea glauca* (Moench) Voss, *Pinus contorta* Douglas ex Loudon, *P. monticola* Douglas ex D. Don (Pinaceae).

Spondylis upiformis Mannerheim, 1843: 304; LeConte, 1851: 99; White, 1853: 4; LeConte, 1857: 23; 1873b: 282; LeConte & Horn, 1883: 267; Harrington, 1890: 185 (distr.); Fall, 1901: 142; Fall & Cockerell, 1907: 190 (distr.); Casey, 1912: 218; Tanner, 1927: 33 (distr.); 1928: 277 (distr.); Knowlton, 1930: 56 (distr.); Beaulne, 1932: 107 (hosts); Knowlton, 1934: 86 (distr.); DeLeon, 1934: 57 (hosts); Mank, 1934: 79 (distr.); Doane, Van Dyke, Chamberlin & Burke, 1936: 166, fig. 80; Saalas, 1936: 54, pl. 5, fig. 38 (morphol.); Linsley, 1938: 105 (syn.); Leech, 1947: 108 (hosts); Hardy, 1948: 101 (distr.); Knowlton & Wood, 1950: 10 (distr.); Keen, 1952: 196 (hosts); Clark, 1956: 41 (distr.); Linsley, Knull & Statham, 1961: 7 (distr.); Linsley, 1962: 63, figs, 23, 24; Gardiner, 1970b: 33, figs 1-3 (larva); Hatch, 1971: 92, pl. 9, fig. 4; Gosling, 1973: 68, fig. 6 (biol.); Kirk & Balsbaugh, 1975: 97 (distr.); Laliberté, Chantal & LaRochelle, 1977: 99 (biol.); Furniss & Carolin, 1977: 290, fig. 172; Gosling, 1986: 157 (hosts); Chemsak, Linsley & Noguera, 1992: 23 (distr.); Monné, M.A., & Giesbert, 1994: 21 (checklist); Noguera & Chemsak, 1996: 396 (distr.); Chemsak, 1996: 12, pl. 1, fig. 7; Yanega, 1996: 28, pl. 1, fig. 4; Heffern, 1998: 7 (distr.); O'Neill, Fultz & Ivie, 2008: 33 (distr.).

Spondylus upiformis; Smith & Hurley, 2005: 448 (distr., error).

Spandylis (*Spondylis*) *upiformis*; Lameere, 1902b: 328 (revis.)

Neospondylis upiformis; Sama, 2005: 39, figs 1, 4-8, 15-17, 19, 21, 25-30, 36; Monné, M.A. & Hovore, 2006: 23 (checklist); Webster, MacCorquodale & Majka, 2009: 291 (distr.); Majka & Ogden, 2010: 12, figs 1, 2 (distr.); Webster *et al.*, 2016: 311 (distr.); Gutiérrez & Noguera, 2015: 139 (distr.); Webster, 2016: 486; Rice, MacRae & Merickel, 2017: 669 (distr.)

Spondylis laticeps LeConte, 1850b: 233; 1851: 99; White, 1853: 4.

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

Spondylis collaris Casey, 1912: 218; Lingafelter *et al.*, 2014: 42, fig. 44c (holotype).

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

Spondylis robustula Casey, 1912: 219; Lingafelter *et al.*, 2014: 310, fig. 144k (holotype).

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

Spondylis subpubescens Casey, 1912: 219; Lingafelter *et al.*, 2014: 328, fig. 165g (lectotype).

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

Spondylis basalis Casey, 1912: 220; Lingafelter *et al.*, 2014: 26, fig. 26a (holotype).

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

Spondylis parva Casey, 1924: 226; Lingafelter *et al.*, 2014: 296, fig. 128c (holotype).

Type locality - Holotype female: United States, Washington: Port Columbia (Pudget Sound). (USNM).

***Scaphinus* LeConte, 1851**

Scaphinus LeConte, 1851: 100; Thomson, 1861a: 272; 1864: 272, 465; Lacordaire, 1868: 199; LeConte, 1873b: 281; LeConte & Horn, 1883: 266; Bradley, 1930: 230; Linsley, 1962: 66; Arnett, 1962: 856; Monné, M.A., 1994: 17; Chemsak, 1996: 14; Monné, M.A. & Hovore, 2006: 22 (checklist);

Spondylis (*Scaphinus*); Lameere, 1902b; 330.

Type-species - *Spondylis sphaericollis* LeConte, 1847 (= *Prionus muticus* Fabricius, 1801) (monotypy).

1. *Scaphinus muticus* (Fabricius, 1801)

Type locality - Holotype: America Boreali. (BMNH). **Distribution** - Southeastern United States from Florida to Virginia and Arkansas. **Host plants** - *Taxodium distichum* (Linné) Richard (Taxodiaceae).

Prionus muticus Fabricius, 1801: 265; Zimsen, 1964: 164 (type).

Scaphinus muticus; Aurivillius, 1912: 15 (cat., syn.); Doane *et al.*, 1936: 266; Brimley, 1938: 210 (distr.); Loding, 1945: 113 (distr.); Sherman, 1946: 126 (distr.); Linsley, 1962: 66, fig. 24; Monné, M.A., & Giesbert, 1994: 21 (checklist);

Spondylis sphaericollis LeConte, 1847: 93; Perry, 1974: 215 (distr.); Turnbow & Franklin, 1980: 338 (distr.); Chemsak, Linsley & Noguera, 1992: 23 (cat.); Monné, M.A., 1994: 18 (cat.); Chemsak, 1996: 14; Yanega, 1996: 28, pl. 1, fig. 3; Linsley & Chemsak, 1997: 432 (hosts); Schiefer, 1998: 115 (distr.); Peck & Thomas, 1998: 116 (distr.); Sama, 2005: 3, 6, 9, figs 3, 23, 38; Monné, M.A. & Hovore, 2006: 22 (checklist); Holt, 2013: 246 (distr.).

Scaphinus sphaericollis; LeConte, 1851: 100; White, 1853: 5; Thomson, 1861a: 272; 1864: 272; Lacordaire, 1868: 199; LeConte, 1873b: 282; Lacordaire, 1876: 29, pl. 83, figs 5-5b; LeConte & Horn, 1886: 267.

Spondylis (*Scaphinus*) *sphaericollis*; Lameere, 1902b: 331.

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

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- principales applications des corps organiques et inorganiques, à l'agriculture, à la médecine, aux arts industriels, etc.; dirigé par M. Charles d'Orbigny, et enrichi d'un magnifique atlas de planches gravées sur acier.* Langlois & Leclercq, Fortin, Masson & Cie., Paris, 4, 1–752 (livraison 43-49, Evenhuis, 1990)
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