

CATALOGUE OF CHILEAN ELATERIDAE

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Abstract.— A catalogue of Chilean Elateridae is included with 11 subfamilies: Cebrioninae Latreille, Agrypninae Candèze, Lissominae Laporte, Semiotinae Jakobson, Campyloxeninae Costa, Pytiobiinae Hyslop, Dendrometrinae Gistel, Negastrinae Nakane and Kishii, Elaterinae Leach, Cardiophorinae Candèze, and Physodactylinae Lacordaire 1857, distributed in 52 genera and 140 species.



Key words.— Chile, Coleoptera, Elateridae.

INTRODUCTION

The history of Elateridae from Chile began in 1830 when Félix Guérin-Méneville described the first Chilean Elateridae *Elater perspicax*. Guérin-Méneville (1838) described *E. abdominalis*, and *E. luteipennis*. Posteriorly, subsequent authors transferred to other genera these three species.

In 1851, the French entomologist Antoine Solier described 21 genera and 34 species of Elaterites in volume 5 of *Historia Física y Política de Chile*.

In 1857, Ernest Candèze, a Belgian Entomologist, started a monandamental series of worldwide monographs of Elateridae. Candèze (1857) proposed new generic combinations for three species of Chile: *Adelocera chilensis* (Solier), *Tibionema abdominalis* (Guérin-Méneville) and *Semiotus luteipennis* (Guérin-Méneville).

In 1897, Calvert wrote *Monografía de los Elatéridos de Chile* (Monography of the Elateridae of Chile) with 32 genera and 74 species, and made some taxonomic changes.

In 1907, the French entomologist Edmond Fleutiaux presented *Revision des Elateridae du Chili* (Revision of the Elateridae of Chile) and added 19 new species, with a total of 95 species of Elateridae.

In 1989, Elgueta and Arriagada cited the family Elateridae in Chile with 44 genera and 106 species.

In 1994, Rodolfo Golbach, German-Argentinean Entomologist, published a catalogue of Elateridae including a key of subfamilies from Central and South America. In this catalogue, Golbach listed 31 subfamilies and 348 Argentinean species of Elateridae, of which only 36 species are shared with Chile.

MATERIAL AND METHODS

Here we present a systematic list of the current valid species in Chile and their generic and species synonymy. We have followed the systematic classification of Bouchard *et al.* (2011). Genera and species are listed in alphabetical order within each subfamily.

The geographic distribution includes provinces of Chile and in some cases from Argentina, based from references, and adult specimens from institutional and private collections.

Abbreviations used here follow those provided by the collection holder or Arnett *et al.* (1993):

BMNH – British Museum of Natural History, London, England;

EMEC – Essig Museum of Entomology, University of California, Berkeley, USA;

ETA – Elizabeth Arias-Bohart (private collection), Sacramento, USA;

- CASC – California Academy of Sciences, San Francisco, USA;
 FMNH – Field Museum of Natural History, Entomology, Chicago, USA;
 FUA – Universidad Austral de Chile, Valdivia, Chile
 JEBC – Juan Enrique Barriga Tuñón (private collection), Curicó, Chile;
 MNHN – Muséum National d’Histoire Naturelle, Entomology, Paris, France;
 NMNH – Smithsonian National Museum of Natural History, Entomology, Washington, USA;
 MNNC – Museo Nacional de Historia Natural, Santiago, Chile;
 RBINS – Royal Belgian Institute of Natural Sciences, Brussels, Belgium;
 SDSU – South Dakota State University, McDaniel Insect Collection, Severin, USA;
 SRGC – Sergio Riese, (private collection), Genova, Italy;
 UCCH – Universidad de Chile, Antumapu, Santiago, Chile;
 UCCC – Universidad de Concepción, Museo de Zoología, Concepción, Chile;
 UMCE – Universidad Metropolitana de Ciencias de la Educación, Santiago, Chile;
 ZMHB – Berlin Museum für Naturkunde der Humboldt-Universität, Entomology, Berlin, Germany.

RESULTS

Subfamilies and tribes present in Chile are: Cebrioninae Latreille, Agrypninae Candèze (tribes Agrypnini Candèze, Euplinthini Costa, Oophorini Gistel and Pyrophorini Candèze, Lissominae Laporte (tribe Protelaterini Schwarz), Semiotinae Jakobson (tribe Semiotini Jakobson), Campyloxeninae Costa, Pytiobiininae Hyslop, Dendrometrinae Gistel (tribes Dendrometrini Gistel, Dimini Candèze, Hypnoidini Schwarz, Prosternini Gistel and Senodoniini Shenkling), Negastrinae Nakane and Kishii, Elaterinae Leach (tribes Agriotini Laporte, Ampedini Gistel, Dicrepidiini Thomson, Elaterini Leach, Pomachiliini Candèze), Cardiophorinae Candèze, and Physodactylinae Lacordaire.

The family Elateridae in Chile includes 52 genera and 140 species. Prior registration of Chilean Elateridae included 44 genera and 106 species (Elgueta and Arriagada 1989) showing that the representation of Elateridae has increased over 30% in the last two decades.

Subfamily Cebrioninae Latreille, 1802

Cebrionates Latreille, 1802: 97. Type genus: *Cebrio* Olivier, 1790.

Stenocebrio Solervicens, 1988

Stenocebrio Solervicens, 1988: 17.

Type species. Stenocebrio coquimbensis Solervicens, 1988: 17; monotypy.

Stenocebrio coquimbensis Solervicens, 1988

Stenocebrio coquimbensis Solervicens, 1988: 17.

Distribution. Copiapó, Huasco, Elqui, Limarí, Chapa, Petorca, Valparaíso, Maipo.

Subfamily Agrypninae Candèze, 1857

Agrypnides Candèze, 1857: 17. Type genus: *Agrypnus* Eschscholtz, 1829.

Tribe Agrypnini Candèze, 1857

Agrypnides Candèze, 1857: 17. Type genus: *Agrypnus* Eschscholtz, 1829.

Acrocryptus Candèze, 1874

Cryptotarsus Philippi, 1873: 308; type species: *Cryptotarsus ater* Philippi, 1873: 308; monotypy; *nec* Kirsch, 1865: 88, Melyridae.

Acrocryptus Candèze, 1874: 39; replacement name for *Cryptotarsus*. *Hexaulacus* Candèze, 1874: 40; type species: *Hexaulacus reedi* Candèze, 1874; Golbach 1970a: 307.

Type species. Cryptotarsus ater Philippi, 1873: 308; monotypy.

Acrocryptus ater (Philippi, 1873)

Cryptotarsus ater Philippi, 1873: 308.

Acrocryptus ater (Philippi); Candèze 1874: 39.

Hexaulacus reedi Candèze, 1874: 40; Golbach 1970a: 307; Golbach 1983c: 152.

Distribution. O’Higgins, Talca, Maule, Ñuble, Cautín, Valdivia. Argentina: Neuquén.

Candanius Hayek, 1973

Anius Candèze, 1889: 103; type species: *Anius gracillimus* Candèze, 1889: 103; monotypy; *nec* Pascoe, 1885: 312, Curculionidae.

Candanius Hayek, 1973: 85; replacement name for *Anius*.

Type species. Anius gracillimus Candèze, 1889: 103; monotypy.

Candanius gracillimus (Candèze, 1889)

Anisus gracillimus Candèze, 1889: 103.

Candanius gracillimus (Candèze); Hayek 1973: 86.

Distribution. Choapa, Petorca, Valparaíso, Quillota, San Antonio, Santiago.

Dilobitarsus Latreille, 1834

Dilobitarsus Latreille, 1834: 142.

Anacantha Solier, 1851: 18; type species: *Anacantha sulcicollis* Solier, 1851: 18; monotypy; Hayek 1973: 94.

Type species. *Dilobitarsus tuberculatus* Latreille, 1834: 142; monotypy.

Remarks. Hayek (1973: 100) mentioned that there is not a clear distinction between the genus *Dilobitarsus* and the genus *Lacon*, which are based on the structure of the tarsi. She also points out that *Anacantha* and *Dilobitarsus* cannot be readily separable and that the retention of these two genera cannot be justified.

Dilobitarsus crux (Philippi et Philippi, 1860)

Adelocera crux Philippi et Philippi, 1860: 247.

Adelocera crux Philippi, 1861: 744 (described as new species).

Adelocera vitticollis var. *crux* (Philippi); Orellana 1936: 59.

Anacantha crux (Philippi); Calvert 1897: 790.

Dilobitarsus crux (Philippi); Hayek 1973: 97.

Distribution. Maipo, Curicó, Talca, Ñuble, Malleco, Valdivia, Osorno. Argentina: Neuquén, Golbach 1983: 143, without specific locality.

Dilobitarsus laconooides (Fleutiaux, 1907)

Anacantha marmorata Candèze, 1874: 38.

Adelocera marmorata (Candèze); Fleutiaux 1907: 168; junior secondary homonym of *Adelocera marmorata* (Fabricius).

Elater marmoratus Fabricius, 1790: 227.

Adelocera laconooides Fleutiaux, 1907: 168; replacement name for *Adelocera marmorata* Candèze; Orellana 1936: 60.

Lacon laconooides Fleutiaux; Golbach 1953a: 286; Golbach 1969: 158.

Dilobitarsus laconooides (Fleutiaux); Hayek 1973: 98.

Distribution. Ñuble, Malleco, Valdivia. Argentina: Neuquén.

Dilobitarsus sulcicollis (Solier, 1851)

Anacantha sulcicollis Solier, 1851: 18; Golbach 1953a: 298.

Adelocera angustata Philippi, 1861: 743; Calvert 1897: 788; Fleutiaux (1907: 169).

Dilobitarsus sulcicollis (Solier); Hayek 1973: 100.

Distribution. Choapa, Petorca, Cordillera, Talca, Ñuble, Concepción, Arauco, Malleco, Valdivia, Aisén, Coyhaique Argentina: Neuquén, Río Negro, Chubut.

Dilobitarsus vitticollis (Fairmaire et Germain, 1860b)

Adelocera vitticollis Fairmaire et Germain, 1860b: 268; Orellana 1936: 59.

Anacantha vitticollis (Fairmaire et Germain); Candèze 1874: 37.

Lacon vitticollis (Fairmaire et Germain); Golbach 1953a: 288.

Lacon (Cornilacon) vitticollis (Fairmaire et Germain); Golbach 1969: 158.

Dilobitarsus vitticollis (Fairmaire et Germain); Hayek 1973: 100.

Distribution. Talca, Ñuble, Concepción, Arauco, Malleco, Valdivia, Osorno. Argentina: Neuquén.

Lacon Laporte, 1838

Lacon Laporte, 1838: 11.

Monocyrtion Golbach, 1969: 156; as subgenus of *Lacon*; type species: *Adelocera chabannii* Guérin-Méneville 1829: 41; original designation; Hayek 1973: 53.

Cornilacon Golbach, 1969: 158; as a subgenus of *Lacon*; type species: *Adelocera longicornis* Champion 1894: 261; original designation; Hayek 1973: 53.

Latilacon Golbach, 1969: 158; as a subgenus of *Lacon*; type species: *Adelocera laticollis* Candèze, 1857: 59; original designation; Hayek 1973: 53.

Type species. *Elater atomarius* Fabricius, 1798: 139; designated by Hyslop, 1921: 652.

Lacon chilensis (Solier, 1851)

Agrypnus chilensis Solier, 1851: 7.

Adelocera chilensis (Solier); Calvert 1897: 787; Bruch 1911: 243; Orellana 1936: 57.

Lacon chilensis (Solier); Golbach 1953a: 283; Golbach 1969: 157; Giganti and Dapoto 1990: 41.

Distribution. Talca, Linares, Ñuble, Arauco, Malleco, Cautín, Valdivia, Osorno. Argentina: Neuquén, Río Negro, Chubut.

Lacon fairmairei (Candèze, 1881)

Anacantha fairmairei Candèze, 1881: 3.

Adelocera fairmairei (Candèze); Candèze 1907: 166; Orellana 1936: 58.

Lacon fairmairei (Candèze); Golbach 1969: 158; Golbach 1970d: 327.

Distribution. Choapa, Valparaíso, Quillota, Cordillera, Colchagua, Malleco. Argentina.

Tribe Euplinthini Costa, 1975

Euplinthinae Costa, 1975: 66. Type genus: *Euplinthus* Costa, 1975.

***Antitypus* Candèze, 1881**

Antitypus Candèze, 1881: 70.

Type species. *Elater insignitus* Fairmaire et Germain, 1860b: 268; monotypy.

***Antitypus insignitus* (Fairmaire et Germain, 1860b)**

Elater insignitus Fairmaire et Germain, 1860b: 268.

Antitypus insignitus (Fairmaire et Germain); Candèze 1881: 70; Orellana 1938b: 294; Wagenknecht 1941: 185.

Distribution. Elqui, Choapa, Petorca, Santiago, Biobío.

Tribe Oophorini Gistel, 1848

Oophoridae Gistel 1848: 5. Type genus: *Oophorus* Eschscholtz, 1829.

***Conoderus* Eschscholtz, 1829**

Conoderus Eschscholtz, 1829: 31.

Monocrepidius Eschscholtz, 1829: 31; type species: *Monocrepidius pallipes* Eschscholtz, designated by Hyslop, 1921: 657; Fleutiaux 1911: 252.

Silene Broun, 1893: 1135; type species: *Silene brunnea* Broun, 1893: 1135; monotypy; synonymised by Calder 1996: 79.

Type species. *Conoderus fuscofasciatus* Eschscholtz, 1829: 31; designated by Hyslop, 1921: 635.

***Conoderus chilensis* (Schwarz, 1904)**

Monocrepidius chilensis Schwarz, 1904: 70.

Conoderus chilensis (Schwarz); Fleutiaux 1911: 252; Elgueta 1996: 14.

Distribution. Elqui, Valparaíso (including Juan Fernández Islands), Quillota, Santiago. Argentina.

***Conoderus depressus* (Solier, 1851)**

Cardiophorus depressus Solier, 1851: 17.

Monocrepidius depressus (Solier); Candèze 1859: 258.

Conoderus depressus (Solier, 1851); Fleutiaux 1911: 252.

Distribution. Choapa, Quillota, Valparaíso, Santiago, Colchagua.

***Grammephorus* Solier, 1851**

Grammephorus Solier; spelling error by Candèze 1859: 416; Fleutiaux 1907: 182.

Type species. *Grammephorus rufipennis*, Solier, 1851: 20; monotypy.

***Grammephorus rufipennis* Solier, 1851**

Grammephorus rufipennis Solier, 1851: 21.

Grammephorus solierii Candèze, 1859: 420; Fleutiaux 1907: 180.

Grammephorus solieri Candèze; Calvert 1897: 805 spelling error.

Distribution. Valparaíso, Quillota, Chacabuco, Santiago, Curicó.

***Heteroderes* Latreille, 1834**

Heteroderes Latreille, 1834: 155.

Exaeolus Gozis, 1886: 22; type species: *Oophorus algerinus* Lucas, 1849: 166; original designation.

Type species. *Heteroderes fuscus* Latreille, 1834: 155; monotypy.

***Heteroderes amplicollis* (Gyllenhal, 1817)**

Elater amplicollis Gyllenhal, 1817: 141.

Heteroderes amplicollis (Gyllenhal); Candèze 1891: 85; Blackwelder 1944: 289; Peck 2010: 31.

Conoderus amplicollis (Gyllenhal); Van Dyke 1939: 11; Stone 1975: 165; Becker 1975: 393; Beardsley 1977: 393; Ferrú and Elgueta 2011: 29.

Elater laurentii Guérin-Méneville, 1838: 31.

Heteroderes laurentii (Guérin-Méneville); Candèze 1891: 85; Blackwelder 1944: 289.

Distribución. Chile: Arica, Iquique. Argentina. Barbados. Bermuda. Cuba. Dominica. Grenada. Guadeloupe. Haití; Islas Virgenes; Martinique; Montserrat. Mustique. Puerto Rico; St. Barthélemy; St. Vincent. U.S.A.: Alabama, Arizona, California, Florida, Georgia, Louisiana, Texas, Hawaii. Honduras. Islas Midway. Nicaragua. Brasil. Paraguay. Peru.

***Heteroderes rufangulus* (Gyllenhal, 1817)**

Elater rufangulus Gyllenhal, 1817: 142.

Monocrepidius asininus Germar, 1839: 231; Candèze 1859: 375.

Monocrepidius gilvicornis Dejean, 1833: 86; Candèze 1859: 375.

Conoderus rufangulus (Gyllenhal); González 1989: 200; Prado 1991: 81; Grez et al. 2004: 557.

Heteroderes rufangulus (Gyllenhal); Golbach 1983c: 151; Golbach 1994: 36.

Distribution. Quillota, Santiago, Linares, Ñuble. Argentina: Buenos Aires, San Luis, Mendoza. Brazil. Uruguay.

Tribe Pyrophorini Candèze, 1863

Pyrophorites Candèze, 1863: 3. Type genus: *Pyrophorus* Billberg, 1820.

***Nyctophyxis* Costa, 1975**

Nyctophyxis Costa, 1975: 86.

Type species. *Pyrophorus ocellatus* Germar, 1841: 49; original designation.

***Nyctophyxis ocellatus* (Germar, 1841)**

Pyrophorus ocellatus Germar, 1841: 49.

Pyrophorus variolosus Solier, 1851: 29; Candèze 1863: 47.

Pyrophorus conicicollis Fairmaire et Germain, 1860a: 5; Candèze 1891: 160.

Nyctophyxis ocellatus (Germar); Costa 1975: 86; Costa 1977: 100.

Distribution. Elqui, Choapa, Quillota, Los Andes, Cordillera, Maipo, Colchagua, Curicó, Cauquenes, Ñuble, Biobío. Argentina: Mendoza.

Remarks. This genus includes another species: *Nyctophyxis leporinus* (Candèze, 1863), originally described as *Pyrophorus leporinus* Candèze, 1863: 47, from Mendoza, Argentina (Calvert 1897: 839-840; Fleutiaux 1907: 211; Costa 1975: 87). It is possible that this species might be present in the Andean range of central Chile.

***Phanophorus* Solier, 1851: 26.**

Phanophorus Solier, 1851: 26.

Type species. *Phanophorus parallelus* Solier, 1851: 26; designated by Hyslop, 1921: 663.

***Phanophorus perspicax* (Guérin-Méneville, 1830)**

Elater perspicax Guérin-Méneville, 1830: 69.

Pyrophorus perspicax (Guérin-Méneville); Germar 1841: 74.

Phanophorus perspicax (Guérin-Méneville); Costa 1975: 96; Costa 1978: 34.

Phanophorus dilatatus Solier, 1851: 27; Fleutiaux 1907: 212.

Pyrophorus dilatatus (Solier); Fleutiaux 1907: 212.

Phanophorus niger Solier, 1851: 26; Costa 1975: 97.

Pyrophorus niger (Solier); Costa 1975: 97.

Phanophorus parallelus Solier, 1851: 26; Candèze 1863: 66.

Distribution. Elqui, Valparaíso, Santiago, Colchagua, Linares, Maule, Ñuble, Concepción, Arauco, Biobío, Malleco, Cautín, Valdivia, Osorno, Llanquihue.

Subfamily Lissominae Laporte, 1835

Lissomidae Laporte, 1835. Type genus: *Lissomus* Dalman, 1824.

Tribe Protelaterini Schwarz, 1902a

Protelateridae Schwarz, 1902a: 365. Type genus: *Protelater* Sharp, 1877.

***Anaspasis* Candèze, 1881**

Anaspasis Candèze, 1881: 4; type species: *Anaspasis fasciolata* Candèze, 1881: 5; monotypy; Schwarz 1902a: 366.

Type species. *Anaspasis fasciolata* Candèze, 1881: 5.

***Anaspasis germaini* (Fleutiaux, 1898)**

Protelater germaini Fleutiaux, 1898: 184; Calvert 1901: 117.

Anaspasis germaini (Fleutiaux); Schwarz 1902a: 366; Golbach 1983b: 128; Elgueta et al. 2002: 108.

Distribution. Ñuble, Arauco, Malleco, Osorno, General Carrera. Argentina: Neuquén.

***Anaspasis parallela* (Solier, 1851)**

Deromecus ? *parallelus* Solier, 1851: 15.

Anaspasis fasciolata Candèze, 1859: 5; Fleutiaux 1899: 162.

Protelater parallelus (Solier); Fleutiaux 1898: 183.

Anaspasis parallela (Solier, 1851); Schwarz 1902a: 366.

Distribution. Talca, Ñuble, Malleco, Cautín, Valdivia, Llanquihue, Osorno, Aisén, Chiloé. Argentina: Neuquén, Río Negro.

***Anaspasis penai* Golbach, 1970**

Anaspasis penai Golbach, 1970: 312.

Distribution. Cauquenes.

***Anaspasis solieri* (Fleutiaux, 1899)**

Protelater solieri Fleutiaux, 1899: 162.

Anaspasis solieri (Fleutiaux); Schwarz 1902a: 366; Golbach 1983b: 127.

Distribution. Malleco. Argentina: Neuquén.

***Valdivelater* Lawrence et Arias, 2009**

Valdivelater Lawrence et Arias, 2009: 320.

Type species. Valdivelater krahmerus Lawrence et Arias, 2009: 322; original designation.

Valdivelater krahmerus Lawrence et Arias, 2009

Valdivelater krahmerus Lawrence et Arias, 2009: 322.

Distribution. Cauquenes, Cautín, Valdivia.

Valdivelater oncolensis Lawrence et Arias, 2009

Valdivelater oncolensis Lawrence et Arias, 2009: 322.

Distribution. Valdivia.

Subfamily Semiotinae Jakobson, 1913

Semiotina Jakobson, 1913: 736. Type genus: *Semiotus* Eschscholtz, 1829.

Semiotinae Golbach, 1970c: 320. Type genus: *Semiotus* Eschscholtz, 1829.

Remarks. Golbach 1970c: 320 did not make reference to *Semiotina* Jakobson, 1913.

Tribe Semiotini Jakobson, 1913

Semiotus Eschscholtz, 1829

Semiotus Eschscholtz, 1829: 31.

Pericallus Le Peletier et Serville, 1825: 594; type species: *Elater ligneus* Linnaeus, 1767: 652; designated by Hyslop, 1921: 663.

Eucamptus Chevrolat, 1834: 15; type species: *Elater cuspidatus* Chevrolat, 1834: 15; monotypy.

Type species. Elater furcatus Fabricius, 1792: 224; designated by Hyslop, 1921: 668.

Semiotus luteipennis (Guérin-Méneville, 1838)

Elater luteipennis Guérin-Méneville, 1838: 20.

Eucamptus luteipennis (Guérin-Méneville); Solier 1851: 9.

Semiotus luteipennis (Guérin-Méneville); Candèze 1857: 300; Calvert 1898: 798; Orellana 1937: 300; Golbach 1983c: 151; Giganti and Dapoto 1990: 41; Elgueta *et al.* 2002: 108.

Chalcolepidius luteipennis (Guérin-Méneville); Philippi 1887: 700.

Distribution. Curicó, Talca, Linares, Ñuble, Concepción, Arauco, Biobío, Malleco, Cautín, Valdivia, Osorno, Llanquihue, Chiloé, Coyhaique, Aisén, General Carrera, Última Esperanza, Magallanes. Argentina: Neuquén, Río Negro.

Subfamily Campyloxeninae Costa, 1975

Campyloxeninae Costa, 1975: 114. Type genus: *Campyloxenus* Fairmaire, 1860a.

Campyloxenus Fairmaire et Germain, 1860

Campyloxenus Fairmaire et Germain, 1860a: 6

Type species. Campyloxenus pyrothorax Fairmaire et Germain, 1860a: 6; monotypy.

Campyloxenus pyrothorax Fairmaire et Germain, 1860

Campyloxenus pyrothorax Fairmaire et Germain, 1860a: 6; Costa 1975: 115.

Pyrophorus megalophysus Philippi, 1861: 744; Schwarz 1906: 215.

Pyrophorus megalophyrus Philippi; spelling error by Schwarz 1906: 215.

Distribution. Arauco, Cautín, Valdivia, Llanquihue, Chiloé, Aisén. Argentina: Río Negro.

Subfamily Pytiobiiniinae Hyslop, 1917

Pytiobiiniinae Hyslop, 1917: 249. Type genus: *Pityobius* LeConte, 1853.

Tibionema Solier, 1851

Tibionema Solier, 1851: 21.

Type species. Elater abdominalis Guérin-Méneville, 1838: 21; monotypy.

Tibionema abdominalis (Guérin-Méneville, 1838)

Elater abdominalis Guérin-Méneville, 1838: 21.

Tibionema abdominalis (Guérin-Méneville); Candèze 1857: 189; Orellana 1940: 104; Angulo 1970: 307; Elgueta *et al.* 2002: 108.

Tibionema rufiventris Solier, 1851: 31; Candèze 1857: 189.

Distribution. Curicó, Talca, Linares, Cauquenes, Ñuble, Concepción, Arauco, Biobío, Malleco, Cautín, Valdivia, Aisén, General Carrera. Argentina: Neuquén.

Subfamily Dendrometrinae Gistel, 1848

Dendrometrinae Gistel, 1848. Type genus: *Dendrometrus* Gistel, 1848.

Tribe Dendrometrini Gistel, 1848

Dendrometridae Gistel, 1848: 5. Type genus: *Dendrometrus* Gistel, 1848.

***Athous* Eschscholtz, 1829**

Athous Eschscholtz, 1829: 33.

Gripus Gistel 1834: 11; type species: *Elater vittatus* Fabricius, designated by Sánchez-Ruiz, 1994: 34; nec Fabricius, 1781: 58, Lepidoptera.

Grypocrarus, Thomson, 1859: 105; type species: *Elater haemorrhoidalis* Fabricius, 1801: 235; monotypy.

Type species. *Elater vittatus* Fabricius, 1792: 224; designated by Westwood, 1840: 26.

***Athous phylander* Tottenham, 1948**

Athous phylander Tottenham, 1948: 99.

Athous campyloides Candèze, 1878: clxviii.

Distribution. Malleco, Cautín.

Remarks. Newman (1833) described *Athous campyloides*. Posteriorly, Candèze (1878) described another species with the same name *Athous campyloides*, which is a junior homonym; Tottenham (1948: 99) gave a new name "*phylander*" to the species of Candèze. Golbach and Aranda (1991) described *Athous fueguensis* for Argentina, Tierra del Fuego province. It might be present in Chile, Tierra del Fuego.

***Compsoctenus* Philippi, 1861**

Compsoctenus Philippi, 1861: 743.

Type species. *Compsoctenus elegans* Philippi, 1861: 743; monotypy.

***Compsoctenus elegans* Philippi, 1861**

Compsoctenus elegans Philippi, 1861: 743.

Distribution. Valdivia.

***Hemicrepidius* Germar, 1839**

Hemicrepidius Germar, 1839: 212.

Pedetes Kirby, 1837: 145; type species: *Elater obscurus* Linnaeus 1758: 406; nec Illiger, 1811: 81, Mammalia; Blackwelder 1944: 293.

Asaphes Kirby, 1837: 146; type species: *Asaphes ruficornis*; Blackwelder 1944: 293.

Type species. *Hemicrepidius thomasi* Germar, 1839: 212; monotypy.

***Hemicrepidius amoenus* (Philippi, 1861)**

Asaphes ? amoenus Philippi, 1861: 743.

Asaphes amoenus Philippi; Calvert 1897: 844.

Parasaphes amaenus (Philippi); Fleutiaux 1907: 216; spelling error.

Asaphes elegans Candèze, 1878: clxxxix; Fleutiaux 1907: 216.

Compsoctenus elegans Candèze, 1891: 182, nec Philippi, 1861: 743; Fleutiaux 1907: 217.

Hemicrepidius amoenus (Philippi); Blackwelder 1944: 293.

Distribution. Valdivia, Chiloé.

Tribe Dimini Candèze, 1863

Dimites Candèze, 1863, 237. Type genus: *Dima* Charpentier, 1825.

***Osorno* Candèze, 1881**

Osorno Candèze, 1881: 100.

Type species. *Osorno ambiguus* Candèze, 1881: 100; monotypy.

***Osorno ambiguus* Candèze, 1881**

Osorno ambiguus Candèze, 1881: 100.

Distribution. Arauco. Argentina: Patagonia, from original description.

Tribe Hypnoidini Schwarz, 1906

Hypnoidini Schwarz, 1906: 150. Type genus: *Hypnoidus* Dillwyn, 1829.

***Margaiostus* Stibick 1978: 320.**

Margaiostus Stibick 1978: 320.

Type species. *Cryptohypnus grandicollis* LeConte, 1863: 83; original designation.

***Margaiostus andicola* (Fairmaire et Germain, 1860a)**

Cryptohypnus andicola Fairmaire et Germain, 1860a: 5; Calvert 1897: 830.

Paradonus andicola (Fairmaire et Germain, 1860a: 5); Stibick 1978: 330.

Distribution. Cordillera (at 3.000 meters altitude).

Margaiostus magellanicus (Blanchard, 1853)

Agriotes magellanicus Blanchard, 1853: 90.

Corymbites fueguensis Fairmaire, 1885: 11; Fleutiaux 1907: 184.

Corymbites fuegensis Fairmaire; Calvert 1897: 843 spelling error.

Hypnoidus magellanicus (Blanchard); Fleutiaux 1907: 184.

Hypnoides magellanicus (Blanchard); Bruch 1911: 249 spelling error.

Distribution. Valdivia, Osorno, Llanquihue, Magallanes, Tierra del Fuego. Argentina: Tierra del Fuego.

Pseudiconus Candèze, 1881

Pseudiconus Candèze, 1881: 76.

Type species. *Pseudiconus mendax* Candèze, 1881: 77; monotypy.

Pseudiconus mendax Candèze, 1881

Pseudiconus mendax Candèze, 1881: 77.

Distribution. Santiago.

Tribe Prosternini Gistel, 1856

Diacanthidae Gistel 1848. Type genus: *Diacanthus* Latreille, 1834.

Prosternidae Gistel, 1856: 367 Type genus: *Prosternon* Latreille, 1834.

Ctenicera Latreille, 1829

Ctenicera Latreille, 1829: 454.

Ludius Eschscholtz, 1829: 34; type species: *Elater cupreus* Fabricius, 1775: 212; designated by Hyslop 1921: 182.

Cleniocerus Stephens, 1829: 124; type species: *Elater pectinicornis* Linnaeus, 1758: 406; designated by Lane, 1948: 182.

Ctenicerus Stephens, 1830: 264; type species: *Elater pectinicornis* Linnaeus, 1758: 406; designated by Westwood 1840: 26.

Corymbites Latreille, 1834: 150; type species: *Elater pectinicornis* Linnaeus, 1758: 406; designated by Thomson, 1859: 102.

Type species. *Elater pectinicornis* Linnaeus, 1758: 406; designated by Lane, 1948: 182.

Remarks. *Ctenicera* Latreille was published in April of 1829, and *Cleniocerus* Stephens was published in August of 1829.

Ctenicera canaliculata (Fairmaire, 1885)

Deromecus canaliculatus Fairmaire, 1885: 11.

Ludius canaliculatus (Fairmaire); Bruch 1911: 252.

Corymbites canaliculatus (Fairmaire); Fleutiaux 1907: 175.

Ctenicera canaliculata (Fairmaire, 1885); Lane 1948: 182; Golbach *et al.* 1991: 91.

Distribution. Tierra del Fuego (Cabo de Hornos Archipelago). Argentina: Tierra del Fuego.

Eanus LeConte 1861

Eanus LeConte 1861: 171.

Type species. *Limonius estriatus* LeConte 1853: 171.

Eanus philippii (Fleutiaux, 1910)

Corymbites philippii Fleutiaux, 1910: 175.

Ctenicera philippii (Fleutiaux, 1910); Lane 1948: 182; Golbach *et al.* 1991: 91.

Eanus philippii (Fleutiaux, 1910); Tarnawski 2001: 285.

Distribution. Malleco, Valdivia, Osorno. Argentina: Neuquén.

Tribe Senodoniini Shenkling, 1927

Allotriites Candèze 1863: 225. Type genus: *Allotrius* Laporte, 1840; *nec Allotrius* Temmick, 1835: 99, Aves.

Senodoniini Shenkling, 1927: 417. Type genus: *Senodonia* Laporte, 1838.

Paralotrius Candèze, 1878

Paralotrius Candèze, 1878: clxxxix.

Type species. *Hypodesis pallipes* Philippi, 1861: 744; monotypy.

Paralotrius pallipes (Philippi, 1861)

Hypodesis pallipes Philippi, 1861: 744.

Paralotrius pallipes (Philippi, 1861: 744); Candèze 1878: 190.

Distribution. Valdivia.

Subfamily Negastrinae Nakane et Kishii, 1956

Negastrinae Nakane et Kishii, 1956: 203. Type genus: *Negastrius* Thomson, 1859.

Paradonus Stibick, 1971: 386.

Paradonus Stibick, 1971: 386.

Type species. *Elater pectoralis* Say, 1836: 173; original designation.

Paradonus atomus (Candèze, 1878)

Cryptohypnus atomus Candèze, 1878: 143.

Paradonus atomus (Candèze, 1878: 143); Stibick 1971: 386; Golbach 1994: 39.

Distribution. Chile. Argentina.

Remarks. Stibick (1971: 386) listed *Paradonus atomus* without further information.

Paradonus nivalis (Fairmaire et Germain, 1860a)

Cryptohypnus nivalis Fairmaire et Germain, 1860a: 5; Calvert 1897: 830.

Paradonus nivalis (Fairmaire et Germain); Golbach 1983c: 151.

Distribution. Valparaíso, San Antonio, Santiago, Cordillera, Maipo, Curicó, Talca, Concepción. Argentina: Neuquén, Río Negro, Chubut.

Subfamily Elaterinae Leach, 1815

Elaterides Leach, 1815: 85. Type genus: *Elater* Linnaeus, 1758.

Tribe Agriotini Laporte, 1840

Agriotites Laporte 1840: 233. Type genus: *Agriotes* Eschscholtz 1829.

Agriotes Eschscholtz, 1829

Agriotes Eschscholtz, 1829: 34.

Pedetes Kirby, 1837: 145; type species: *Elater obscurus* Linnaeus, 1758: 409; nec Illiger, 1811: 81, Mammalia.

Type species. *Elater sputator* Linnaeus, 1758: 405; designated by Westwood 1840: 25.

Agriotes australis Fairmaire, 1883

Agriotes australis Fairmaire, 1883: 492.

Agriotes australis Fairmaire; Cekalovic 1972: 203; *Elgueta* et al. 2002: 108.

Distribution. Llanquihue, Chiloé, Coyhaique, Aisén, Última Esperanza, Magallanes, Tierra del Fuego. Argentina: Neuquén, Río Negro, Patagonia, without specific locality.

Agriotes chiliensis (Schwarz, 1904)

Paracosmesus chiliensis Schwarz, 1904: 80.

Agriotes chilensis (Schwarz); Fleutiaux 1907: 225, spelling error.

Distribution. Cordillera.

Agriotes dubius Fleutiaux, 1907

Agriotes dubius Fleutiaux, 1907: 224.

Distribution. Valparaíso.

Agriotes germaini Fleutiaux, 1907

Agriotes germaini Fleutiaux, 1907: 226.

Deromecus agriotes Candèze, 1878: cxxxix (in part); Fleutiaux 1907: 199, 226.

Distribution. Valparaíso, Cauquenes.

Agriotes vicinus Fleutiaux, 1907

Agriotes vicinus Fleutiaux, 1907: 226.

Distribution. Colchagua. Argentina, without specific locality (Golbach 1994: 30)

Bohartina Arias, 2006

Bohartina Arias, 2006: 2.

Type species. *Bohartina vilchesensis* Arias, 2006; original designation.

Bohartina palmae Arias, 2006

Bohartina palmae Arias, 2006: 5.

Distribution. Linares.

Bohartina vilchesensis Arias, 2006

Bohartina vilchesensis Arias, 2006: 5.

Distribution. Talca.

Cardiorhinus Eschscholtz, 1829

Cardiorhinus Eschscholtz, 1829: 34.

Type species. *Elater bilineatus* Fabricius 1801: 235; designated by Chenu, 1858: 29.

Cardiorhinus chilensis Golbach, 1983

Cardiorhinus chilensis Golbach, 1983d: 160 (in key), 161.

Distribution. Chile, from original description.

***Cardiorhinus granulatus* Solier, 1851**

Cardiorhinus granulatus Solier; Fleutiaux 1907: 221 (as synonym of *Ludius decorus*); Bruch 1911: 253 (as synonym of *Ludius decorus*); Brèthes 1921: 457; Blackwelder 1944: 294; Golbach 1983a: 46; Golbach 1983d: 160, 170; Golbach 1994: 32.

Distribution. Santiago, Cordillera, Colchagua, Talca, Linares, Malleco, Cautín, Valdivia. Argentina, without specific locality (Golbach 1983a: 1994)

***Cardiorhinus unicolor* Golbach, 1983**

Cardiorhinus unicolor Golbach, 1983d: 160 (in key), 167.

Distribution. Arauco.

Tribe Ampedini Gistel, 1848

Ampedidae Thomson, 1848: 55. Type genus: *Ampedus* Dejean, 1833.

***Anoplischius* Candèze, 1859**

Anoplischius Candèze, 1859: 49.

Type species. *Anoplischius pallidipes* Candèze, 1859: 49; designated by Hyslop, 1921: 627.

***Anoplischius candezei* Fleutiaux, 1907**

Anoplischius candezei Fleutiaux, 1907: 174.
Anoplischius pubescens Candèze, 1859: 53, 75; misidentification.

Distribution. Talca, Ñuble.

***Dipropus* Germar, 1839**

Dipropus Germar, 1839: 215.
Ischiodontus Candèze, 1859: 10, 90; type species: *Ischiodontus pinguis* Candèze, 1859: 100; designated by Hyslop, 1921: 651; Arnett 1962: 505.

Type species. *Elater pexus* Germar 1824: 55; designated by Hyslop, 1921: 641.

***Dipropus chilensis* (Fleutiaux, 1910)**

Ischiodontus chilensis Fleutiaux, 1910: 175.
Dipropus chilensis (Fleutiaux, 1910); Arnett 1962: 505.

Distribution. Chile.

***Ischnodes* Germar, 1844**

Ischnodes Germar, 1844: 180.

Type species. *Elater sanguinicollis* Panzer, 1793: 255; monotypy.

***Ischnodes elguetai* Aranda, 1999**

Ischnodes elguetai Aranda, 1999: 48.

Distribution. Talca, Ñuble, Malleco, Cautín.

***Ischnodes reedi* (Candèze, 1881)**

Megaphentes reedi Candèze, 1881: 64.
Ischnodes reedi (Candèze, 1881); Fleutiaux 1907: 179; Aranda 1999: 45.

Distribution. Biobío, Malleco, Cautín, Valdivia, Llanquihue, Chiloé. Argentina: Neuquén, Chubut.

Remarks. Calvert (1897: 808) cited this species with a northern distribution 'Santiago', which may not be possible.

Tribe Dicrepidiini Thomson, 1858

Dicrepidiitae Thomson, 1858: 75. Type genus: *Dicrepidius* Eschscholtz, 1829.

***Ovipalpus* Solier, 1851**

Ovipalpus Solier, 1851: 9.
Ovapalpus: Orellana, 11938a: 165 spelling error.

Type species. *Ovipalpus pubescences* Solier, 1851: 10; monotypy.

***Ovipalpus piceus* Fleutiaux, 1910**

Ovipalpus piceus Fleutiaux, 1910: 176.
Ovapalpus piceus Fleutiaux; Orellana 1938a: 165 spelling error.

Distribution. Valparaíso, Talca, Ñuble, Malleco, Cautín.

***Ovipalpus pubescens* Solier, 1851**

Ovipalpus pubescens Solier, 1851; Calvert 1897: 800; Orellana 1938a: 163.
Cylindroderus chilensis Candèze, 1878: 199.
Cylindroderus chilensis var. *ruficeps* Fleutiaux, 1910: 175; Orellana 1938a: 165.

Distribution. Cordillera, Maipo, Melipilla, Colchagua, Curicó, Talca, Ñuble, Concepción, Arauco, Biobío, Malleco, Llanquihue. Argentina, without specific locality (Golbach 1994: 46)

Remarks. A third species of this genus, *Ovipalpus schajovskoi* Golbach, 1953b: 387, is only known from Argentina: Neuquén.

Tribe Elaterini Leach, 1815

Elaterides Leach, 1815: 85. Type genus: *Elater* Linnaeus, 1758.

Elater Linnaeus, 1758

Elater Linnaeus, 1758: 404

Amblygnathus Solier, 1851: 36, type species: *Amblygnathus abdominalis* Solier, 1851, monotypy.

Genomecus Solier, 1851: 29, type species: *Genomecus ruficollis* Solier, 1851, monotypy.

Type species. *Elater ferrugineus* Linnaeus, 1758: 405; designated by Latreille, 1810: 426.

Elater decorus (Germar, 1843)

Ludius decorus Germar, 1843: 48; Candèze 1863: 310; Philippi 1887: 704; Calvert 1897: 852; Fleutiaux 1907: 221.

Steatoderus vulnericollis Dejean, 1837: 106; Fleutiaux 1907: 221 (as synonym of *Ludius decorus*).

Steatoderus decorus (Solier) Candèze, 1891: 190.

Cardiorhinus granulatus Solier, 1851: 32.

Trichophorus decorus (Germar); Bruch 1911: 253.

Crigmus decorus (Germar); Blackwelder 1944: 294.

Elater decorus (Germar); Golbach 1994: 38; Schimmel and Tarnawski 2010: 388.

Distribution. Petorca, Quillota, Santiago, Cordillera, Maipo, Cachapoal, Colchagua, Talca, Cauquenes, Malleco, Cautín, Valdivia.

Elater ruficollis (Solier, 1851)

Genomecus ruficollis Solier, 1851: 30; Fleutiaux 1907: 222 (as a variety of *Ludius decorus*); Bruch 1911: 253 (as a synonym of *Ludius decorus*).

Amblygnathus abdominalis Solier, 1851: 36; Candèze 1863: 311; Fleutiaux 1907: 222 (as a variety of *Ludius decorus*); Bruch 1911: 253 (as a synonym of *Ludius decorus*); Orellana 1940: 102 (as a synonym of *Ludius ruficollis*); Blackwelder 1944: 294 (as an aberration of *Crigmus decorus*). Schimmel and Tarnawski (2010: 388) did not make reference to this name.

Ludius ruficollis (Solier); Candèze 1863: 311; Philippi 1887: 704; Calvert 1897: 853; Fleutiaux 1907: 222 (as synonym of variety *ruficollis* Solier of *Ludius decorus*); Orellana 1940: 102; Blackwelder 1944: 294 (as an aberration of *Crigmus decorus*).

Ludius ruficollis Philippi, 1861: 744; Philippi 1887: 704; Fleutiaux

1907: 222; Schimmel and Tarnawski 2010: 388 did not make reference to this name.

Ludius rufithorax Philippi, 1887: 704, replacement name for *Ludius ruficollis* Philippi, 1861 nec *Ludius ruficollis* (Solier, 1851); Calvert 1897: 853; Fleutiaux 1907: 222 (as a synonym of variety *ruficollis* Solier of *Ludius decorus*); Bruch 1911: 253 (as a synonym of *Ludius decorus*); Blackwelder 1944: 294 (as a synonym of aberration *ruficollis* Solier of *Crigmus decorus*); Schimmel and Tarnawski 2010: 388 did not make reference to this name.

Elater ruficollis (Solier); Golbach 1994: 38; Schimmel and Tarnawski 2010: 388.

Distribution. Choapa, Petorca, Valparaíso, Quillota, San Felipe de Aconcagua, Los Andes, Santiago, Cordillera, Cachapoal, Curicó, Talca. Argentina without precise locality.

Somomecus Solier, 1851

Somomecus Solier, 1851: 33.

Somanecus Solier; Lacordaire 1857: 221, spelling error.

Somamecus Solier; Fleutiaux 1907: 214, spelling error.

Somamecus Solier; Candèze 1863: 513; Fleutiaux 1907: 214; Golbach et al. 1991: 93; Golbach 1994: 36, spelling error.

Type species. *Somomecus parallelus* Solier, 1851: 33; monotypy.

Somomecus parallelus Solier, 1851

Somomecus parallelus Solier, 1851: 33.

Olotelus angustus Solier, 1851: 35; Fleutiaux 1907: 215.

Somamecus parallelus Solier; Candèze 1863: 513; Fleutiaux 1907: 215; Golbach et al. 1991: 94, spelling error.

Distribution. Ñuble, Concepción, Malleco, Cautín, Valdivia, Osorno. Argentina: Neuquén.

Tribe Physorhinini Candèze, 1859

Physorhinites Candèze, 1859: 384. Type genus: *Physorhinus* Germar, 1840.

Simodactylus Candèze, 1859

Simodactylus Candèze, 1859: 169.

Type species. *Elater cinnamomeus* Boisduval, 1835: 106; monotypy.

Simodactylus delfini Fleutiaux, 1907

Simodactylus delfini Fleutiaux, 1907: 175.

Distribution. Isla de Pascua.

Tribe Pomachiliini Candèze, 1859

Pomachiliites Candèze, 1859: 4. Type genus: *Pomachilius* Eschscholtz, 1829.

***Alyma* Arias, 2004**

Alyma Arias, 2004: 415.

Type species. *Cardiophorus pallipes* Solier, 1851: 17; original designation.

***Alyma ariasvillegasai* Arias, 2004**

Alyma ariasvillegasai Arias, 2004: 418.

Distribution. Petorca.

***Alyma calafquenensis* Arias, 2004**

Alyma calafquenensis Arias, 2004: 419.

Distribution. Cautín.

***Alyma contulmoensis* Arias, 2004**

Alyma contulmoensis Arias, 2004: 420.

Distribution. Arauco.

***Alyma lawlerae* Arias, 2004**

Alyma lawlerae Arias, 2004: 421.

Distribution. Concepción.

***Alyma pallipes* (Solier, 1851)**

Cardiophorus pallipes Solier, 1851: 17.
Deromecus pallipes (Solier); Fleutiaux 1907: 200; Grez *et al.* 2003: 16; De la Vega y renta vehiculo chillan Grez, 2008: 227.
Alyma pallipes (Solier); Arias, 2004: 416.

Distribution. Curicó, Talca, Cauquenes.

***Alyma quiriquinaensis* Arias, 2004**

Alyma quiriquinaensis Arias, 2004: 423.

Distribution. Concepción.

***Alyma rieseorum* Arias, 2004**

Alyma rieseorum Arias, 2004: 424.

Distribution. Cauquenes.

***Alyma shapiroï* Arias, 2004**

Alyma shapiroï Arias, 2004: 42.

Distribution. Concepción.

***Bedresia* Solier, 1851**

Bedresia Solier, 1851: 24.

Bedresia Solier; Candèze 1859: 417; Golbach 1993: 113; Valencia 2006: 100.

Diacantha Solier, 1851: 23; type species: *Diacantha nigra* Solier, 1851: 24; monotypy; Candèze, 1859: 417; nec *Diacantha* Chevrolat, 1834: 378, Chrysomelidae.

Dysmorphognathus Solier, 1851: 36; type species: *Dysmorphognathus fuscus* Solier, 1851: 37; monotypy; Candèze 1859: 523.

Medonia Candèze, 1860: 17; type species: *Bedresia punctatosulcata* Solier, 1851: 25; monotypy; Golbach 1993: 114.

Type species. *Bedresia impressicollis* Solier, 1851: 25; designated by Hyslop, 1921: 630.

Remarks: Golbach (1993) did not include *Bedresia impressicollis* in his key. He did not make reference to Hyslop (1921) and the type species designation. Valencia (2006) did not include the species previously treated by Golbach (1993) *B. punctatosulcata*, *B. deromecoides*, *B. livida* and *B. truncatipennis*, in his revision.

***Bedresia deromecoides* (Schwarz, 1906)**

Medonia deromecoides Schwarz, 1906: 137; Golbach 1983c: 151; Prado 1991: 81

Bedresia deromecoides (Schwarz); Golbach 1993: 114; Golbach 1994: 41

Distribution. Arauco, Cautín, Valdivia. Argentina: Neuquén, Río Negro

***Bedresia impressicollis* Solier, 1851**

Bedresia impressicollis Solier, 1851: 25.; Fleutiaux 1907: 180; Valencia 2006: 100.

Grammophorus impressicollis (Solier); Candèze 1859: 420 spelling error genus name; Calvert 1897: 805.

Dysmorphognathus fuscus Solier, 1851: 37; Fleutiaux 1907: 180.

Distribution. Elqui, Choapa, Aconcagua, Valparaíso, Quillota, Chacabuco, San Antonio, Santiago, Cordillera, Maipo, Cachapoal, Cardenal Caro, Talca, Ñuble, Concepción.

Bedresia livida (Fleutiaux, 1907)

Medonia livida Fleutiaux, 1907: 185.
Bedresia livida (Fleutiaux); Golbach 1993: 113.

Distribution. Talca, Ñuble, Biobío.

Bedresia nigra (Solier, 1851)

Diacantha nigra Solier, 1851: 24.
Grammophorus niger (Solier); Candèze 1859: 420 spelling error genus name; Golbach 1994: 35.
Grammophorus minor Schwarz, 1904: 72, spelling error; González 1989: 201; Golbach 1994: 35; Grez *et al.* 2004: 557; Valencia 2006: 100 (synonymy).
Grammophorus candezei Fleutiaux, 1907: 182 spelling error; Golbach 1994: 35 spelling error; Valencia, 2006: 100 (synonymy).
Gramephorus niger; Golbach, 1983c: 151 spelling error.
Bedresia nigra (Solier); Valencia 2006: 100.

Distribution. Valparaíso, Talca, Ñuble, Concepción, Biobío, Arauco, Malleco, Cautín, Valdivia, Llanquihue, Chiloé. Argentina: Río Negro.

Bedresia punctatosulcata Solier, 1851

Bedresia punctato-sulcata Solier, 1851: 25.
Medonia punctatosulcata (Solier); Candèze 1860: 18.
Medonia punctolineatus (Solier); Candèze 1891: 109, spelling error.
Bedresia punctatosulcata Solier; Golbach 1993: 114; Golbach 1994: 41.

Distribution. Talca, Concepción, Arauco, Malleco, Valdivia, Llanquihue. Argentina: Neuquén.

Bedresia truncatipennis (Fleutiaux, 1907)

Medonia truncatipennis Fleutiaux, 1907: 185.
Bedresia truncatipennis Fleutiaux, 1907: 185; Golbach 1993: 114; Golbach 1994: 41.

Distribution. Curicó. Argentina: Neuquén.

Cosmesus Eschscholtz, 1829

Cosmesus Eschscholtz, 1829: 33.
Parapomachilius Schwarz, 1900: 339; type species: *Parapomachilius incertus* Schwarz, 1900: 339.

Type species. *Cosmesus bilineatus* Eschscholtz, 1829: 33; monotypy.

Cosmesus minusculus Schwarz, 1904

Cosmesus minusculus Schwarz, 1904: 80.

Distribution. San Antonio, Cordillera, Colchagua.

Cosmesus striatus Candèze, 1863

Cosmesus striatus Candèze, 1863: 356.

Distribution. Chile, from original description.

Deromecus Solier, 1851

Deromecus Solier, 1851: 11.

Type species. *Deromecus angustatus* Solier, 1851: 12.

Deromecus agriotes Candèze, 1878

Deromecus agriotes Candèze, 1878: cxxxix.
Deromecus agriotes Candèze; Fleutiaux 1907: 199.

Distribution. Quillota, Maipo.

Deromecus anchastinus Candèze, 1881

Deromecus anchastinus Candèze, 1881: 73.

Deromecus angustatus Solier, 1851

Deromecus collaris Solier, 1851: 15; Candèze 1860: 15.

Distribution. Ñuble, Malleco, Cautín, Valdivia, Osorno, Llanquihue.

Deromecus anthracinus Candèze, 1900

Deromecus anthracinus Candèze, 1900: 91.

Distribution. Chile.

Deromecus carinatus Candèze, 1881

Deromecus carinatus Candèze, 1881: 72.

Distribution. Choapa, Valparaíso, Santiago, Cordillera, Curicó, Talca, Cauquenes, Valdivia, Osorno.

Deromecus cervinus Candèze, 1881

Deromecus cervinus Candèze, 1881: 73.

Distribution. Curicó, Talca, Cauquenes, Arauco, Malleco, Valdivia.

Deromecus curtus Candèze, 1878

Deromecus adrastus Candèze, 1878: cxl; Fleutiaux 1907: 199.

Distribution. Valparaíso, Quillota, Curicó, Talca, Cauquenes, Ñuble, Valdivia, Osorno, Llanquihue.

Deromecus debilis Candèze, 1878

Deromecus debilis Candèze, 1878: cxxxix.

Distribution. Arauco, Malleco.

Deromecus delfini Fleutiaux, 1907

Deromecus delfini Fleutiaux, 1907: 198.

Distribution. Ñuble.

Deromecus filicornis Solier, 1851

Deromecus filicornis Solier, 1851: 13.

Deromecus filicornis var a Candèze; Fleutiaux 1907: 191.

Deromecus tumidus Candèze, 1881: 72; Fleutiaux 1907: 191.

Deromecus filiformis Philippi, 1887: 701 spelling error.

Distribution. Vaparaíso, Quillota, Los Andes, San Antonio, Santiago, Curicó, Linares, Cauquenes. Argentina, without specific locality (Golbach 1994: 41).

Deromecus fulvus Fleutiaux, 1907

Deromecus fulvus Fleutiaux, 1907: 193.

Deromecus fulvus Fleutiaux; Jaña-Prado and Grez 2004: 41.

Distribution. Petorca, Valparaíso, Quillota, Curicó, Cauquenes.

Deromecus germaini Fleutiaux, 1907

Deromecus germaini Fleutiaux, 1907: 204.

Distribution. Choapa, Petorca, Valparaíso, Quillota, Curicó, Talca.

Deromecus griscescens Candèze, 1878

Deromecus griscescens Candèze, 1878: cxl.

Deromecus grisesceus Candèze; Fleutiaux 1907: 194 spelling error.

Distribution. Talca, Cauquenes.

Deromecus inops Candèze, 1878

Deromecus brevicollis Candèze, 1878: cxxxix; Fleutiaux 1907: 192.

Distribution. Choapa.

Deromecus melanurus Fleutiaux, 1907

Deromecus melanurus Fleutiaux, 1907: 193.

Deromecus melanurus Fleutiaux.

Distribution. Curicó, Talca, Cauquenes, Ñuble.

Deromecus niger Schwarz, 1900

Deromecus niger Schwarz, 1900: 329.

Distribution. Chile.

Deromecus nigricornis Candèze, 1860

Deromecus nigricornis Candèze, 1860: 15.

Distribution. Chile, Santiago. Argentina, without specific locality (Golbach 1994: 41).

Deromecus rubricollis Solier, 1851

Deromecus rubricollis Solier, 1851: 14.

Deromecus thoracicus (Solier); Candèze 1860: 9.

Deromecus thoracicus (Solier); spelling error by Candèze 1860: 12.

Distribution. Valdivia, Chiloé.

Deromecus sanguinicollis Candèze, 1878

Deromecus sanguinicollis Candèze, 1878: cxxxix.

Distribution. Malleco, Valdivia.

Deromecus scapularis Candèze, 1878

Deromecus scapularis Candèze, 1878: cxxxix.

Distribution. Ñuble. Argentina, without specific locality (Golbach 1994: 41).

Deromecus tenuicollis Candèze, 1881

Deromecus tenuicollis Candèze, 1881: 72.

Distribution. Chile, from original description.

Gabryella Arias, 2001

Gabryella Arias, 2001: 383.

Type species. *Deromecus attenuatus* Solier, 1851: 13; original designation.

Gabryella attenuata (Solier, 1851)

Deromecus attenuatus Solier, 1851: 13 ; Golbach 1983c: 151.
Gabryella attenuata (Solier); Arias 2001: 385.

Distribution. Ñuble, Valdivia, Osorno, Valdivia, Ranco, Llanquihue. Argentina: Río Negro, Chubut.

Gabryella elguetai Arias, 2001

Gabryella elguetai Arias, 2001: 386.

Distribution. Talca.

Gabryella nancyta Arias, 2001

Gabryella nancyta Arias, 2001: 387.

Distribution. Talca, Ñuble.

Gabryella umbilicata (Candèze, 1860)

Deromecus umbilicatus Candèze, 1860: 16.
Gabryella umbilicata (Candèze); Arias 2001: 388.

Distribution. Cautín, Valdivia, Llanquihue. Argentina: Neuquén, Río Negro (Golbach 1994: 41).

Gabryella wulfklohni Arias, 2001

Gabryella wulfklohni Arias, 2001: 389.

Distribution. Arauco.

Remarks. This genus has another species, only known from Argentina (Neuquén): *Gabryella terryae* Arias 2001: 388.

Llanquihue Arias, 2008

Llanquihue Arias, 2008: 4.

Type species. *Deromecus vittipennis* Candèze, 1900: 91; original designation.

Llanquihue carlota Arias, 2008

Llanquihue carlota Arias, 2008: 8.

Distribution. Llanquihue.

Llanquihue vittipennis (Candèze, 1900)

Deromecus vittipennis Candèze, 1900: 91.
Llanquihue vittipennis (Candèze); Arias 2008: 4.

Distribution. Arauco, Malleco, Cautín, Chiloé.

Lynnyella Arias, 2001

Lynnyella Arias, 2001: 139.

Type species. *Deromecus suturalis* Candèze, 1865: 37; original designation.

Lynnyella concepcionensis Arias, 2001

Lynnyella concepcionensis Arias, 2001: 141.

Distribution. Ñuble.

Lynnyella diegoi Arias, 2001

Lynnyella diegoi Arias, 2001: 143.

Distribution. Valparaíso, San Antonio, Melipilla, Santiago, Cachapoal.

Lynnyella gerhardtae Arias, 2001

Lynnyella gerhardtae Arias, 2001: 144.

Distribution. Ñuble.

Lynnyella juanjoseorum Arias, 2001

Lynnyella juanjoseorum Arias, 2001: 144.

Distribution. Santiago, Melipilla.

Lynnyella longaviensis Arias, 2001

Lynnyella longaviensis Arias, 2001: 145.

Distribution. Linares.

Lynnyella suturalis (Candèze, 1865)

Deromecus suturalis Candèze, 1865: 37; Calvert 1897: 819; Golbach 1979: 408.

Lynnyella suturalis (Candèze, 1865); Arias 2001: 140.

Distribution. Valparaíso, Quillota, Chacabuco, San Antonio, Santiago, Cordillera, Biobío, Malleco, Valdivia, Llanquihue.

Lynnyella valenciai Arias, 2001

Lynnyella valenciai Arias, 2001: 146.

Distribution. Choapa.

Mecothorax Solier, 1851

Mecothorax Solier, 1851: 22; Fleutiaux 1907: 190, as synonym under *Deromecus*; revalidated by Arias 2007: 202.

Type species. *Mecothorax castanipennis* Solier, 1851: 22; monotypy.

Mecothorax anticura Arias, 2007

Mecothorax anticura Arias, 2007: 206.

Distribution. Osorno.

Mecothorax calafquen Arias, 2007

Mecothorax calafquen Arias, 2007: 208.

Distribution. Cautín.

Mecothorax carmenjuliae Arias, 2007

Mecothorax carmenjuliae Arias, 2007: 212.

Distribution. Concepción.

Mecothorax castanipennis Solier, 1851

Mecothorax castanipennis Solier, 1851: 22.
Deromecus castaneipennis Solier; spelling error Candèze 1860: 8, 10; Calvert 1897: 811; Fleutiaux 1907: 197; Grez *et al.* 2003: 16.

Distribution. Quillota, Cauquenes, Cautín, Valdivia, Osorno, Llanquihue. Argentina, without specific locality (Golbach 1994: 41).

Mecothorax duhatao Arias, 2007

Mecothorax duhatao Arias, 2007: 213.

Distribution. Chiloé.

Mecothorax girardai Arias, 2007

Mecothorax girardai Arias, 2007: 214.

Distribution. Malleco.

Mecothorax maipoensis Arias, 2007

Mecothorax maipoensis Arias, 2007: 215.

Distribution. Cordillera.

Mecothorax maturanai Arias, 2007

Mecothorax maturanai Arias, 2007: 215.

Distribution. Arauco.

Mecothorax pichinahuel Arias, 2007

Mecothorax pichinahuel Arias, 2007: 216.

Distribution. Arauco.

Mecothorax pucatrihue Arias, 2007

Mecothorax pucatrihue Arias, 2007: 217.

Distribution. Osorno.

Mecothorax valdiviensis Arias, 2007

Mecothorax valdiviensis Arias, 2007: 217.

Distribution. Valdivia.

Mecothorax valparaisensis Arias, 2007

Mecothorax valparaisensis Arias, 2007: 218.

Distribution. Valparaíso.

Mecothorax villarricensis Arias, 2007

Mecothorax villarricensis Arias, 2007: 218.

Distribution. Cautín.

Mecothorax vulgaris (Solier, 1851)

Deromecus vulgaris Solier 1851: 13.
Mecothorax vulgaris (Solier); Arias 2007: 202.

Distribution. Quillota, Santiago, Cordillera, Talca, Cauquenes, Valdivia, Chiloé. Argentina, without specific locality (Golbach 1994: 41).

Remarks. This genus has another species, only known from Argentina (Neuquén): *Mecothorax lanin* Arias, 2007: 214.

***Podonema* Solier, 1851**

Podonema Solier, 1851: 19.

Podonema Solier, 1851; Fleutiaux, 1907: 187.

Type species. *Podonema impressum* Solier, 1851: 19; monotypy.

***Podonema aluperam* Arias, 2010**

Podonema aluperam Arias, 2010: 39.

Distribution. Cautín.

***Podonema dalcachue* Arias, 2010**

Podonema dalcachue Arias, 2010: 40.

Distribution. Chiloé.

***Podonema impressum* Solier, 1851**

Podonema impressum Solier, 1851: 19; Golbach 1979: 406; Arias 2010: 37.

Deromecus impressus (Solier); Candèze 1860: 8.

Distribution. Malleco, Cautín, Valdivia, Osorno, Llanquihue, Chiloé. Argentina: Río Negro, Neuquén, Chubut.

***Podonema kopihue* Arias, 2010**

Podonema kopihue Arias, 2010: 41.

Distribution. Cautín.

***Podonema maihue* Arias, 2010**

Podonema maihue Arias, 2010: 41.

Distribution. Valdivia.

***Podonema mawida* Arias, 2010**

Podonema mawida Arias, 2010: 42.

Distribution. Curicó, Talca, Ñuble.

***Podonema obscuratum* (Golbach, 1979)**

Podonema impressum obscuratum Golbach, 1979: 40.

Podonema obscuratum (Golbach); Arias 2010: 43.

Distribution. Cautín, Valdivia, Chiloé. Argentina: Chubut.

***Podonema palmarensis* Arias, 2010**

Podonema palmarensis Arias, 2010: 44.

Distribution. Osorno, Llanquihue.

***Podonema wiloi* Arias, 2010**

Distribution. Valdivia.

***Pseudoderomecus* Fleutiaux, 1907**

Pseudoderomecus Fleutiaux, 1907: 186.

Type species. *Medonia fairmairei* Candèze, 1878: exl; monotypy.

***Pseudoderomecus fairmairei* (Candèze, 1878)**

Medonia fairmairei Candèze, 1978: exl.

Pseudoderomecus fairmairei (Candèze); Fleutiaux 1907: 186.

Distribution. Talca, Ñuble, Malleco. Argentina, without specific locality (Golbach 1994: 42).

***Sofia* Arias, 2005**

Sofia Arias, 2005: 22.

Nemasoma Solier, 1851: 10; type species: *Nemasoma sulcatum* Solier, 1851: 11; monotypy; nec Koch, 1847: 47, Myriapoda.

Sofia Arias, 2005: 22; replacement name.

Type species. *Nemasoma sulcatum* Solier, 1851: 11; monotypy.

***Sofia sulcata* (Solier, 1851)**

Nemasoma sulcatum Solier, 1851: 11.

Sofia sulcata (Solier); Arias 2005: 22.

Distribution. Arauco.

Subfamily Cardiophorinae Candèze, 1859

Cardiophorites Candèze, 1859: 4.

***Aphricus* LeConte, 1853**

Aphricus LeConte, 1853: 501.

Type species. Aphricus californicus LeConte, 1853: 501; monotypy.

***Aphricus chilensis* Fleutiaux, 1940**

Aphricus chilensis Fleutiaux, 1940: 103.

Distribution. Valparaíso, San Antonio, Cauquenes, Concepción.

***Cardiophorus* Eschscholtz, 1829**

Cardiophorus Eschscholtz, 1829: 34.

Type species. Elater thoracicus Linnaeus, 1746: 724; designated by Hyslop 1921: 633.

***Cardiophorus delfini* Fleutiaux, 1907**

Cardiophorus delfini Fleutiaux, 1907: 207.

Distribution. Concepción.

***Cardiophorus herbsti* Fleutiaux, 1910**

Cardiophorus herbsti Fleutiaux, 1910: 175.

Distribution. Chacabuco.

***Horistonotus* Candèze, 1860**

Horistonotus Candèze, 1860: 243.

Type species. Horistonotus flavidus Candèze; designated by Hyslop, 1921: 650.

***Horistonotus castaneus* Steinheil, 1874**

Horistonotus castaneus Steinheil, 1874: 569.

Distribution. Chile. Argentina: Catamarca, Mendoza, San Luis.

***Paracardiophorus* Schwarz, 1895**

Paracardiophorus Schwarz, 1895: 59.

Type species. Cardiophorus musculus Erichson 1840: 299; designated by Hyslop, 1921: 633.

***Paracardiophorus humeralis* (Fairmaire et Germain, 1860)**

Cardiophorus humeralis Fairmaire et Germain, 1860a: 5.
Horistonotus bitactus Candèze, 1860: clxvi; Candèze 1891: 132.
Cardiophorus elegans Solier, 1851: 16; Candèze 1891: 132.
Horistonotus elegans (Solier); Calvert 1897: 835.
Paracardiophorus humeralis (Fairmaire et Germain, 1860); Schwarz 1895: 40.

Distribution. Elqui, Choapa, Petorca, Quillota, San Felipe de Aconcagua, Chacabuco, Santiago, Cordillera, Maipo.

Subfamily Physodactylinae Lacordaire, 1857

Physodactylinae Lacordaire, 1857: 236. Type genus: *Physodactylus* Fisher von Waldheim, 1823.

***Olotelus* Solier, 1851**

Olotelus Solier, 1851: 34.

Type species. Olotelus femoralis Solier, 1851: 34; monotypy.

***Olotelus femoralis* Solier, 1851**

Olotelus femoralis Solier, 1851: 34.

Distribution. Concepción, Chiloé.

Nomina nuda***Euglossus* Solier 1851**

Euglossus Solier 1851: 37.

***Euglossus impressicollis* Solier 1851: 37.**

Euglossus impressicollis Solier 1851: 37.

Taxa excluded from Chile

Chalcolepidius erythroloma Candèze, 1857: 282; Chile.
Chalcolepidius albertisi Candèze, 1878: 55; Blackburn and Sharp 1885: 240.

Remarks. Fleutiaux (1907: 172) doubt that this species is found in Chile and indicates that this is found in Ecuador. We believe definitively that this species is not present in Chile.

Monocrepidius pertusus Candèze, 1878: 76, Mendoza (Fleutiaux 1907: 177). Cited from Chile by Philippi (1887: 700) but as stated by Fleutiaux (1907: 177) it is from Argentina (Mendoza).

Pomachilius centralis Candèze, 1896: 250. Cited from Chile by Blackwelder (1957: 1407) but it is from Argentina (Chaco), according to original description.

Pomachilius bipartitus Candèze, 1896: 250. Cited from Chile by Blackwelder (1957: 1407) and Golbach (1994: 41), but it is from Argentina (Chaco), according to original description.

ACKNOWLEDGMENTS

We are very thankful to all collaborators that contributed to this manuscript. Patrick Grootaert provided access to the type material and space to conduct EA-B during her studies in the Institut Royal Belgian Institute of Natural Sciences, Brussels, Belgium. Jerome Constant and Alain Drumont helped with bibliography pertaining to this work. Stephane Boucher and Antoine Mantilleri provided access to the type material and facilities at the Museum d'Histoire Naturelle, Paris. Adam Ślipiński provided revisions and useful suggestions for this manuscript. Demian Kondo helped editing this work.

The first author deeply acknowledge her parents for their strong motivation and help in her biodiversity and systematics studies. Special thanks goes to her late husband, Richard M. Bohart, who encouraged her in pursuing systematics. Nancy Webb for their help in this work. The National Science Foundation DEB 445413 to ET Arias and KW Will, and the Schlinger Foundation that provided financial support.

REFERENCES

- Angulo, A. O. 1970. Descripción de la larva y pupa de *Tibionema abdominalis* (Guerin) (Coleoptera: Elateridae). Boletín de la Sociedad de Biología de Concepción, 42: 307–311.
- Aranda, S. 1999. A redescription of *Ischnodes reedi* Candèze and a new species for the genus *Ischnodes* (Coleoptera, Elateridae, Ampedinae). Acta Zoológica Lilloana, 45: 45–54.
- Arias, E. T. 2000. Coleópteros de Chile. Chilean Beetles. Digtart. Santiago, Chile, 209 pp.
- Arias, E. T. 2001a. *Gabryella*, a new genus of click beetles from temperate South American forests (Coleoptera: Elateridae). Contributions on Entomology, International, 4(5): 381–397.
- Arias, E. T. 2001b. *Lynnyella*, a new genus of click beetles from Central and Southern Chile (Coleoptera: Elateridae). Gayana, 65(2): 137–148.
- Arias, E. T. 2004. A new click beetle genus from Chilean temperate forest *Alyma* (Coleoptera: Elateridae, Pomachiliini). The Coleopterists Bulletin, 58(3): 413–427.
- Arias, E. T. 2005. A replacement name for a Chilean click beetle genus from Chile *Sofia* (Coleoptera: Elateridae). The Coleopterists Bulletin, 59(1): 22.
- Arias, E. T. 2006. A new click beetle genus from the Chilean Central Andes: *Bohartina* (Coleoptera, Elateridae, Elaterinae). Journal of Insect Science, 6(31): 1–10.
- Arias, E. T. 2007. Rehabilitation of a Chilean click beetle genus *Mecothorax*. Pan-Pacific Entomologist, 83(3): 200–221.
- Arias, E. T. 2008. A new click beetle genus from Southern Chile: *Llanquihue* (Coleoptera, Elateridae, Elaterinae, Pomachiliini). Journal of Insect Science 8(37): 1–10.
- Arias, E. T. 2010. Revision of the elaterid genus *Podonema* Solier, 1851, from Southern South America (Coleoptera, Elateridae, Pomachiliini). Bulletin de la Société Entomologique de France, 115(1): 35–46.
- Arnett, R. H. 1952. A review of the Nearctic Adelocerina (Coleoptera, Elateridae, Pyrophorinae, Pyrophorini). Wasmann. Journal of Biology, 10(1): 103–126.
- Arnett R. H., Jr. 1962. Part IV Suborder Polyphaga (cont.) series Elateriformia (concl.) Cantharoidea, Series Bostrychiformia Dermestoidea, Bostrychoidea, Series Cucujiformia Cleroidea, Lymexyloidea, Meloidea, 527–644. In: The beetles of the United States (a manual for identification). Catholic University of America Press, Washington D.C., 1112 pp.
- Arnett, R. H., Mignot, E. C. and E. H. Smith. 1969. North American Coleoptera fauna; remarks on Pyrophorinae, Elateridae. The Coleopterists Bulletin, 23: 9–15.
- Arnett, R. H., Jr., Samuelson, G. A. and G. M. Nishida. 1993. The Insect and Spider Collections of the World. Sandhill Crane Press, Inc., Gainesville, Florida. 310 pp.
- Billberg, G. J. 1820. Enumeratio Insectorum in Museo Gust. Joh. Billberg. Gadel, Stockholm, 138 pp.
- Blackburn, T. and D. Sharp. 1885. Memoires of the Coleoptera of the Hawaiian islands. Scientific Transactions of the Royal Dublin Society, Series 2, 3: 119–300.
- Blackwelder, R. E. 1944. Checklist of the coleopterous insects of Mexico, Central America the West Indies, and South America. Part 2. United States National Museum Bulletin, 185: 189–341 [Elateridae, pp. 280–303].
- Blackwelder, R. E. 1957. Checklist of the coleopterous insects of Mexico, Central America the West Indies, and South America. Part 6. United States National Museum Bulletin, 185: i–vii, 927–1492 [Elateridae additions, pp. 1407–1408].
- Blanchard, E. 1853. Description des insectes. In: Dumont d'Urville, M. J. Voyage au pôle Sud et dans l'Océanie sur les Corvettes l'Astrolabe et la Zélée; Exécute par ordre de roi pendant les années, 1837–1838–1839–1840, sous le commandement de M.J. Dumont D'Urville, capitaine de vaisseau; publié par ordre du gouvernement, sous la direction supérieure de M. Jacquinet, capitaine de vaisseau, commandant de la Zélée. Zoologie, par M.M. Hombron et Jacquinet. Paris: Gide and J. Baudry, 422 pp., 19 pls.
- Bartlett-Calvert, G. B. [or W. B.]. 1897. See Calvert, G. B.
- Boisduval, J. B. A. D. 1835. Voyage de découvertes de l'Astrolabe exécutée par ordre du Roi, pendant les années 1826–1827–1828–1829, sous le commandement M. J. Dumont D'Urville. Faune Entomologique de l'Océan

- Pacifique. Deuxième partie. Coléoptères et autres ordre, Paris: J. Tastu, 2 vii+716 pp.
- Bouchard, P., Bousquet, Y., Davies, A. E., Alonso-Zarazaga, M., Lawrence, J. F. Lyal, C. H. C., Newton, A. A., Reid, C., Schmitt, M., Ślipiński, A. and A. B. T. Smith. 2011. Family-group names in Coleoptera (Insecta), ZooKeys, 88: 1–972.
- Brèthes, J. 1921. Sur trois coleoptères chiliens. *Revista Chilena de Historia Natural*, 25: 475–461.
- Brown, T. 1893. Manual of the New Zealand Coleoptera. New Zealand Institute, Wellington, part V, VI, VII: 975–1504.
- Bruch, C. 1911. Catálogo sistemático de los coleópteros de la República Argentina. Pars V. Familias Buprestidae, Trixagidae, Monommidae, Eucnemidae, Elateridae. *Revista del Museo de La Plata*, 17: 226–260.
- Calder, A. A. 1996. Click beetles. Genera of the Australian Elateridae (Coleoptera). *Monographs on Invertebrate Taxonomy*, 2: 1–401. Canberra.
- Calvert, G. B. [or W. B.]. 1897. Monografía de los elatéridos de Chile. *Anales de la Universidad de Chile*, 98: 779–860. [also cited as Bartlett-Calvert, G.]
- Calvert, G. B. [or W. B.]. 1901. Elateridae i Eucnemidae nuevos de Chile por Ed. Fleutiaux [Traducidos al castellano]. *Revista Chilena de Historia Natural*, 5(5–6): 117–119. [also cited as Bartlett-Calvert, G.]
- Candèze, E. C. A. 1857. Monographie des Elatérídés. *Mémoires de la Société royale des sciences de Liégé*, tome premier, 12: 1–400.
- Candèze, E. C. A. 1859. Monographie des Elatérídés. *Mémoires de la Société royale des sciences de Liégé*, tome deuxième, 14: 1–543.
- Candèze, E. C. A. 1860. Monographie des Elatérídés. *Mémoires de la Société royale des sciences de Liégé*, tome troisième, 15: 1–512.
- Candèze, E. C. A. 1863. Monographie des Elatérídés. *Mémoires de la Société royale des sciences de Liège*, tome quatrième, 17: 1–534.
- Candèze, E. C. A. 1865. Élatérídés nouveaux. *Mémoires couronnes et autres mémoires. Académie royale des sciences de Belgique*, 17: 1–63.
- Candèze, E. C. A. 1874. Révision de la monographie des Élatérídés. *Mémoires de la Société royale des sciences de Liège, Séries 2*, 4: 1–218. [Premier fascicule.]
- Candèze, E. C. A. 1878. Élatérídés nouveaux. *Annales de la Société Entomologique de Belgique (compte-rendu)*, 21: 1i–1xi, 1xxv–1xxxv, cxxxv–cx1iii, clxi–clxxxix, clxxxix–cxcix.
- Candèze, E. C. A. 1880. Élatérídés nouveaux. *Mémoires couronnes et autres mémoires. Académie royale des sciences de Belgique*, 3 fascicule, 2 Séries.
- Candèze, E. C. A. 1881. Élatérídés nouveaux. Troisième fascicule. *Mémoires Société Royale des Sciences de Liège*, série 2, 9: 1–117. Bruxelles, F. Hayez.
- Candèze, E. C. A. 1889. Élatérídés nouveaux. *Annales de la Société Entomologique de Belgique*, 33: 67–123.
- Candèze, E. C. A. 1891. Diagnoses de deux élatérídés du Gran Chaco. *Mémoires de la Société Zoologique de France*, tome quatrième, 500–501.
- Candèze, E. C. A. 1895. Élatérídés nouveaux. *Mémoires de la Société royale des sciences de Liège*, série 2, 18: 1–76.
- Candèze, E. C. A. 1900. Élatérídés nouveaux. *Mémoires de la Société royale des sciences de Liège*, 44: 77–101.
- Casari, S. 2008. A phylogenetical study of the subtribe Dicipidiina. *Revista Brasileira de Entomologia*, 52(2): 182–260.
- Cate, P. G. 2007. Family Elateridae. Pp. 89–209. *In: Löbl, I. and A. Smetana. (eds.), Catalogue of Palearctic Coleoptera. Volume 4. Elateroidea – Derodontoidea – Bostrichoidea – Lymexyloidea – Cleroidea – Cucujoidea. Apollo Boks, Stenstrup. 935 pp.*
- Cekalovic, K. T. 1972. Descripción de la larva y pupa de *Agriotes australis* Fairm., 1883 (Coleoptera–Elateridae). *Anales del Instituto de la Patagonia (Chile)*, 3(1–2): 203–208.
- Champion, G. C. 1894. Elateridae. *In: Godman F.D. and O. Salvin (eds.) Biología Centrali-Americana. Insecta. Coleoptera. III. Part 1: Serricornia. Taylor and Francis, London, 690 pp. + 27 pls.*
- Champion, G. C. 1895. Elateridae [part, pp. 305–440, pls. 14–19]. *In: Godman FD, Salvin O (eds.) Biología Centrali-Americana. Insecta. Coleoptera. Vol. III. Part 1. Serricornia. Taylor and Francis, London, xvi + 690 pp. + 27 pls. [Jan 1895 (pp. 305–312), Mar (313–336), May (337–360), Jul (361–376), Oct (377–400), Dec 1895 (401–440).*
- Chenu, J. C. 1884. Encyclopédie d'histoire naturelle ou Traité complet de cette science d'après les travaux des naturalistes les plus éminents, de tous le pays et de toutes les époques. Coléoptères, Troisième part. Paris.
- Chevrolat, L. A. A. 1834. Coléoptères du Mexique. Fascicule 2: 44 pp.; fascicule 3, 48 pp.; fascicule 4, 70 pp. Strasbourg.
- Chevrolat, L. A. A. 1837. *In: Dejean, P. F. M. A.: Catalogue des coléoptères de la collection de M le comte Dejean. Troisième édition revue, corrigée et augmentée. Livrasion 5. Paris: Méquignon-Marvis Père et Fils, 385–503.*
- Chûjô, M. and H. Ôhira. 1965. Elaterid beetles from Aomori. Pref., Japan, collected by Mr. Kensaku Shimoyama. *Memiors of the Faculty of Liberal Arts and Education, the Kagawa University*, part II, 132: 1–32.
- Costa, C. 1975. Systematics and evolution of the tribes Pyrophorini and Heligmini, with description of Campyloxeninae, new subfamily (Coleoptera, Elateridae). *Arquivos de Zoologia São Paulo*, 26(2): 49–190.
- Costa, C. 1977. Notas sobre o genero *Nyctophyxis* e redescrção de *N. ocellatus* (Germar, 1841) 1830 (Coleoptera, Elateridae, Pyrophorinae). *Revista Brasileira de Entomologia*, 21(3/4): 99–101.
- Costa, C. 1978. Gênero *Phanophorus* Solier. Considerações sinonímicas e redescrção de *P. perspicax* Guérin-Méneville, 1830 (Coleoptera, Elateridae, Pyrophorinae). *Revista Brasileira de Entomologia*, 22: 33–34.
- De la Vega, X. and A. A. Grez. 2008. Composición, riqueza de especies y abundancia de insectos defoliadores de actividad nocturna asociados a *Aristotelia chilensis* (maqui) en el bosque maulino fragmentado. *Revista Chilena de Historia Natural*, 81: 221–238.
- Dejean, P.F.M.A. 1833. Catalogue des Coléopteres de la Collection de M. le comte Dejean. 2' ed. Fascicle 1. Méquignon-Marvis. Paris. 96 pp.
- Dejean, P.F.M.A. 1836. Iconographie et histoire naturelle des coléoptères d' Europe; M. le comte Dejean. Continuée par le docteur Ch. Aube. Tome Cinquième. Hydrocanthares. A Paris, Chez Méquignon-Marvis Père et fils, Libr-Éditeurs. Rue du jardinet, N° 13. Paris 468 pp.

- Dillwyn, L. W. 1829. Memoranda relating to coleopterus insects found in the neighborhood of Swansea, 75 pp.
- Elgueta, D. M. 1996. Nuevos registros de coleópteros para Islas Juan Fernández (Insecta: Coleoptera). Noticiario Mensual Museo Nacional de Historia Natural, Chile, 326: 14–18.
- Elgueta, M. 2000. Coleoptera de Chile. Hacia un proyecto CYTED para el inventario y estimación de la diversidad entomológica en Iberoamerica. *In*: PRIBES-2000, (eds.) F. Martín-Piera, J. J. Morrone and A. Melic. Sociedad Entomológica Aragonesa, Monografías Tercer Milenio 1, 145–154. Gorfi, SA, Zaragoza.
- Elgueta, M. 2006. Orden Coleoptera. *In*: Comisión Nacional del Medio Ambiente (CONAMA), Biodiversidad de Chile. Patrimonio y desafíos (eds.), 152–159 pp. CONAMA, Santiago.
- Elgueta D. M. and S. G. Arriagada. 1989. Estado actual del conocimiento de los coleópteros de Chile (Insecta: Coleoptera). *Revista Chilena de Entomología*, 17: 5–60.
- Elgueta, M., Mondaca, J. and A. Vera. 2002. Fauna de coleópteros (Insecta: Coleoptera) del Parque Nacional Laguna San Rafael, Aisén, Chile. *Boletín del Museo Nacional de Historia Natural, Chile*, 51: 103–115.
- Eschscholtz, J. F. 1829. Eintheilung der Elateriden in Gattungen. *Entomologisches Archiv*, 2(1): 31–35.
- Fabricius, J. C. 1775. *Systema Entomologiae, sistens insectorum, classes, ordines, genera, species, adiectis, synonymis, locis, descriptionibus, observationibus*. Flensburgi et Lipsiae. In officina libraria Kortii. 832 pp.
- Fabricius, J. C. 1792. *Entomologia systematica emendata et aucta. Secundum classes, ordines, genera, species, adiectis synonymis, locis, observationibus, descriptionibus*. 330 + 538 pp. Hafniae.
- Fabricius, J. C. 1798. *Supplementum Entomologiae systematicae*, pp. [1–3], 1–572. Hafniae. Proft and Storch.
- Fabricius, J. C. 1801. *Systema Eleutheratorum, secundum ordines, genera species: adiectis synonymis, locis, observationibus, descriptionibus*. Tomus I. Kiliae. Biopolii Academiae Novae. 530 pp.
- Fairmaire, L. 1883. Description de quelques coléoptères de la Patagonie et de la République Argentine. *Annales de la Société Entomologique de France, Serie 6*, 3: 507–516.
- Fairmaire, L. 1885. Diagnoses des coléoptères nouveaux de la Terre de Feu. *Naturaliste*, 7: 11–12.
- Fairmaire, L. and P. Germain. 1860a. *Coleoptera Chilensia*. Typographie F. Malteste et cie. Part 2, Section 1, 8 pp.
- Fairmaire, L. and P. Germain. 1860b. *Coleoptera Chilensia*. *Revue et Magasin de Zoologie Pure et Appliquée, Serie 2*, 12: 267–269.
- Fairmaire, L. and P. Germain. 1862. Révision des coléoptères du Chili. *Annales de la Société Entomologique de France, Serie 4*, 2: 721–746.
- Fall, H. C. 1932. New Coleoptera 15. *Canadian Entomologist*, 64(3): 56–62.
- Ferrú, M. A. and M. Elgueta. 2011. Lista de coleópteros (Insecta: Coleoptera) de las Regiones de Arica y Parinacota y de Tarapacá, Chile. *Boletín del Museo Nacional de Historia Natural, Chile*, 60: 9–61.
- Fleutiaux, E. 1898. Note sur deux élatérides du Chili appartenant a la tribu des ludiides. *Bulletin de la Société entomologique de France*, 23: 179–185.
- Fleutiaux, E. 1899. Description d'un *Protelater* nouveaux du Chile. *Bulletin de la Société Entomologique de France*, 24: 161–162.
- Fleutiaux, E. 1906. Élatérides nouveaux de Madagascar [Col.]. *Bulletin de la Société Entomologique de France*, 1906: 199–200.
- Fleutiaux, E. 1907. Révision des Elateridae du Chili. *Revista Chilena de Historia Natural*, 11: 160–232.
- Fleutiaux, E. 1910. Elateridae et Melasidae nouveaux (Col.). *Bulletin de la Société Entomologique de France*, 1910: 174–176.
- Fleutiaux, E. 1911. Revision des Trixagidae, Melasidae et Elateridae (Col.) des Antilles Françaises. *Annales de la Société Entomologique de France*, 1911: 235–264.
- Fleutiaux, E. 1918. Nouvelles contributions à la faune de l'Indo-Chine Française (Coleoptera Serricornia). *Annales de la Société Entomologique de France*, 87: 175–278.
- Fleutiaux, E. 1927. Les Élatérides de l'Indo-Chine Française (catalogue raisonné). *Faune des Colonies Françaises*, 1: 53–122. Paris.
- Fleutiaux, E. 1936. Les Élatérides de l'Indo-Chine Française. *Annales de la Société Entomologique de France*, 105: 279–300.
- Fleutiaux, E. 1940. Élatérides nouveaux. *Bulletin et Annales de la Société entomologique de Belgique*, 80: 89–104.
- Germar, E. 1824. *Insectorum species novae, aut minus cognitae, descriptionibus illustratae*. Vol. 1: Coleoptera. Halae. XXIV + 624 pp., 2 pl.
- Germar, E. 1839. Ueber die Elateride mit häutigen Anhängen der Tarsenglieder. *Zeitschrift für die Entomologie*, 1(2): 197–236.
- Germar, E. 1841. Beiträge zu einer Monographie der Gattung *Pyrophorus* Illiger. *Zeitschrift für die Entomologie*, 3: 1–461.
- Germar, E. 1843. Bemerkungen über Elateriden. *Zeitschrift für die Entomologie*, 4: 43–108.
- Germar, E. 1844. Bemerkungen über Elateriden. *Zeitschrift für die Entomologie*, 5: 133–192.
- Giganti, H. and G. Dapoto. 1990. Coleópteros de los bosques nativos del Departamento Aluminé (Neuquén-Argentina). *Bosque*, 11(2): 37–44.
- Gistel, J.N.F.X. 1848. *Faunula monacensis cantharologica*. *Isis von Oken 1848*. (6) [unn. p. "1–3"]; (7): [unn. p. "4–6"]; (8): [unn. p. "7"]; (9): [unn. p. "8–9"]; (10): [unn. p. "10–11"]; (11): [unn. p. "12–13"] (inserted with fascicles).
- Gistel, J. N. F. X. 1856. Die Mysterien der europäischen Insectenwelt. Ein geheimer Schlüssel für Sammler aller Insecten-Ordnungen und Stände, behufs des Fangs, des Aufenthalts-Orts, der Wohnung, Tag- und Jahreszeit u.s.w., oder autoptische Darstellung der Insectenstaats in seinem Zusammenhange zum Bestehen des Naturhaushaltes überhaupt und insbesondere in seinem Einflusse auf die phanerogamische und cryptogamische Pflanzenberöltzerrung Europa's. Zum ersten Male nach 25jährigen eigenen Erfahrungen zusammengestellt und herausgegeben. T. Dannheimer, Kempten, xii + 532 pp.
- Golbach, R. 1953a. Revisión de las Adelocerinae de la Argentina (Col. Elateridae). *Acta Zoológica Lilloana*, 13: 265–306, 2 pls.
- Golbach, R. 1953b. *Ovipalpus schajovskoi* sp. n. (Col. Elat.). *Acta Zoológica Lilloana*, 13: 387–390.
- Golbach, R. 1969. Anotaciones sobre el género *Laeon* Cast.

- 1836 (Col. Elateridae), *Acta Zoológica Lilloana*, 25: 153–160.
- Golbach, R. 1970a. Sinonimia de los géneros *Acrocryptus* Cand. y *Hexaulacus* Cand. (Col. Elateridae). *Acta Zoológica Lilloana*, 25: 305–307.
- Golbach, R. 1970b. *Anaspasis penai* n. sp. (Col. Elateridae). *Acta Zoológica Lilloana*, 25: 311–315.
- Golbach, R. 1970c. Semiotinae, nueva subfamilia de Elateridae (Col.). *Acta Zoológica Lilloana*, 25: 317–322.
- Golbach, R. 1970d. Alotipo de *Lacon* (*Cornilacon*) *fairmairei* (Cand.) (Col. Elateridae). *Acta Zoológica Lilloana*, 25: 317–322.
- Golbach, R. 1979. *Podonema impressum* Sol. (Col. Elat.) nuevo para la Argentina. *Acta Zoológica Lilloana*, 35: 405–410.
- Golbach, R. 1983a. Historia del género *Cardiorhinus* Esch. 1829 (Col. Elateridae). *Acta Zoológica Lilloana*, 37: 35–54.
- Golbach, R. 1983b. El género *Anaspasis* Candeze en la Argentina (Col. Elat.). *Acta Zoológica Lilloana*, 37: 127–130.
- Golbach, R. 1983c. Contribución al conocimiento de la subfamilia Agrypninae de Sudamerica con descripción de 3 especies nuevas. (Col. Elat.). *Acta Zoológica Lilloana*, 37: 141–152.
- Golbach, R. 1983d. Las especies de los grupos 3 y 4 del género *Cardiorhinus* Eschscholtz. (Col. Elateridae). *Acta Zoológica Lilloana*, 37: 153–177.
- Golbach, R. 1984. *Duretia*, nuevo género de la subfamilia Ampedinae (Col. Elat.). *Acta Zoológica Lilloana*, 38: 41–43.
- Golbach, R. 1993. Rehabilitación del género *Bedresia* Solier 1851. *Acta Zoológica Lilloana*, 42: 113–114.
- Golbach, R. 1994. Elateridae (Col.) de la Argentina. Historia, catálogo actualizado hasta 1991 inclusive y clave de subfamilias y de géneros de Centro y Sudamérica. *Opera Lilloana*, 41: 1–48.
- Golbach, R. and S Aranda. 1991. *Athous fueguensis* n. sp. Primer representante de la subfamilia Athouinae en la Argentina. (Col. Elat.). *Acta Zoológica Lilloana*, 40(1): 83–87.
- Golbach, R., Guzmán de Tomé, M. and S. Aranda. 1991. La subfamilia Ctenicerinae (Col. Elateridae) de la Región Neotropical y nuevas citas para la República Argentina, *Acta Zoológica Lilloana*, 40(1): 89–94.
- González, R. H. 1989. Insectos y ácaros de importancia agrícola y cuarentenaria en Chile. Impresora y Editora Ograma S. A., Santiago. 310 pp.
- Gozis, M. des. 1886. Recherche de l'espèce typique de quelques anciens genres. Rectifications synonymiques et remarks diverses, 36 pp. Montluçon.
- Grez, A. A., Moreno, P. and M. Elgueta. 2003. Coleópteros (Insecta: Coleoptera) epigeos asociados al bosque maulino y plantaciones de pino aledañas. *Revista Chilena de Entomología*, 29: 9–18.
- Grez, A. A., Zaviezo, T. and S. Reyes. 2004. Short-term effects of habitat fragmentation on the abundance and species-richness of beetles in experimental alfalfa microlandscapes. *Revista Chilena de Historia Natural*, 77: 547–558.
- Guérin-Méneville, F. E. 1829. Livraison 4, pl. 12. *In* : Iconographie du règne animal de G. Cuvier, ou, représentation d'après nature d'une des espèces les plus et souvent non encore figurées de chaque genre d'animaux: avec un texte descriptif mis au courant de la science: ouvrage pouvant servir d'atlas a tous les traites de zoologie. II. Planches des animaux invertébrés. Insectes. [1829–1838]. Paris: J. B. Baillière, 110 pls.
- Guérin-Méneville, F. E. 1830. Voyage autour du monde, exécuté pour l'Ordre du Roi, Sur la corvette de sa Majesté, la Coquille, pendant les années 1822–1823–1824 et 1825. Par M. L. I. Duperrey. Zoologie, par M. Lesson et Garnot. Tome Second, 2 partie. Paris.
- Guérin-Méneville, F. 1838. Insectes du Voyage de la *Favorite*. *Magazine de Zoologie*, 8: 1–80.
- Gyllenhal, L. 1817. Descriptiones Novarum Specierum Insectorum. *In*: Schönherr. Appendix ad synonymia insectorum 1, pt. 3, 266 pp.
- Hayek, C. M. F. von. 1973. A reclassification of the subfamily Agrypninae (Coleoptera: Elateridae). *Bulletin British Museum (Natural History) Entomology, Supplement* 20: 309 pp.
- Hyslop, J. A. 1917. Elateridae and Throscidae of the Stanford University Expedition of 1911 to Brazil. *Psyche*, 23(1): 16–21.
- Hyslop, J. A. 1921. Genotypes of the elaterid beetles of the world. *Proceedings of the U. S. National Museum, Washington*, 58: 621–680.
- Illiger, J. 1809. Monographie der Elateren mit leuchtenden Flecken auf dem Halsschilde. *Magazin der Gesellschaft Naturforschender Freunde zu Berlin*, 1: 141–151.
- Illiger, C. 1811. *Prodromus Systematis Mammalium et Avium*. 301 pp. Publisher, City.
- Johnson, P. J. 2002. 58. Elateridae Leach 1815, 160–173 p. *In*: R. H. Arnett, Jr., M. C. Thomas, P. E. Skelley and J. H. Frank (eds.). *American Beetles. Volume 2. Polyphaga: Scarabaeoidea through Curculionoidea*. CRC Press, Gainesville, Florida.
- Jakobson, G. G. 1913. Zhuki Rossii I Zapadnoi Evropy. Part 10: 721–864, plates 76–83. A. F. Devriena, St. Petersburg [in Russian].
- Jaña-Prado, R. C. and A. A. Grez. 2004. Insectos herbívoros en el bosque maulino: un ecosistema fragmentado. *Revista Chilena de Entomología*, 30(1): 27–43.
- Kiessenwetter, H. von. 1858. Elateridae. *Naturgeschichte der Insekten Deutschlands, Erste Abtheilung, Coleoptera*, 4: 212–384.
- Kirby, W. 1837. *Fauna boreali-Americana or the Zoology of the northern parts of British America, containing descriptions of the objects of natural history collected on the late northern land expeditions, under the command of Captain Sir John Franklin*, RN. John Richardson (eds.), 4. Norwich, Eng: Fletcher. 325 pp.
- Kirsch, T. 1865. Beitrage zur Kaferfauna von Bogota. *Berliner Entomologische Zeitschrift*, 9: 40–104.
- Kirsch, T. 1870. Synopsis du genre *Omophlus* Solier, avec la description de nouvelles especes. *Abeille*, 7: 43–48.
- Kirsch, T. 1884. Neue sudamerikanischen Kafer *Berliner Entomologische Zeitschrift*, 27: 43–54.
- Koch, C. 1847. System der Myriapoden. in Herrich-Schäffer (ed.) *Kritische revision insectenfauna Deutschlands*, 3: 47.
- Lacordaire, J. T. 1857. Histoire naturelle des insectes. Genera des Coléoptères ou exposé méthodique et critique de tous les genres proposés jusqu'ici dans cet ordre d'insectes. Tome quatrième contenant les familles des buprestidés,

- throscides, eucnémides, élatéridés, cébrionides, cérophytides, rhipicérides, dascyllides, malacodermes, clérides, lyméxylones, cupésides, ptniores, bostrichides et cis-sides. Librairie Encyclopédique de Roret, Paris, 579 pp.
- Lane, M. C. 1948. Some generic corrections in the Elateridae, I and II. (Coleoptera). Proceedings of the Entomological Society of Washington, 50(7): 179–182, and 221–223.
- Laporte, F. L. N. de C. de [Comte de Castelnau]. 1835. Études entomologiques, ou descriptions d'insectes nouveaux et observations sur la synonymie [continué]. Revue d'Entomologique, 3: 157–181.
- Laporte, F. L. N. de C. de [Comte de Castelnau]. 1836. Études entomologiques, ou descriptions d'insectes nouveaux et observations sur la synonymie [continué]. Revue d'Entomologique, 4: 5–60.
- Laporte, F. L. N. de C. de [Comte de Castelnau]. 1840. Histoire naturelle des Insectes, Coléoptères, 1–324 pp. Paris.
- Latreille, P. 1802. Histoire naturelle, générale et particulière des crustacés et des insectes, 3, 467 pp. Paris.
- Latreille, P. 1829. Les crustacés, les arachnides et les insectes, distribués en familles naturelles ouvrage format les tomes 4 et 5 de celui de M. le Baron Cuvier sur le Règne Animal (deuxième édition) (1) 584 pp. Paris
- Latreille, P. 1834. Distribution méthodique et naturelle des genres de diverses tribus d'insectes coléoptères, de la famille des serricornes. Annales de la Société Entomologique de France, 3: 113–170.
- Lawrence, J. F. and A. F. Newton Jr. 1995. Families and subfamilies of Coleoptera (with selected genera, notes, references and data on family-group names) [779–1006 pp.]. In: Pakaluk J, Ślipiński S. A. (eds.). Biology, phylogeny and classification of Coleoptera: Papers celebrating the 80th birthday of Roy A Crowson. II. Muzeum i Instytut Zoologii PAN, Warszawa, x + 1092 pp. 2 volumes.
- Lawrence, J. F. and E. T. Arias. 2009. *Valdivelater*, a new genus of Protelaterini (Elateridae: Lissominae) from the forests of Central and Southern Chile. Annales Zoologici, 59(3): 319–328.
- Leach, W. E. 1815. Entomology. In: Brewster D (ed.). Brewster's Edinburgh Encyclopedia. IX [part I] W. Blackwood, J. Waugh, etc. Edinburgh, 764 pp.
- LeConte, J. L. 1853. Descriptions of twenty new species of Coleoptera inhabiting the United States. Proceedings of the Academy of Natural Sciences of Philadelphia, 6(7): 226–235.
- Lepelletier, A. and J. Serville. 1825. Encyclopédie Méthodique. Histoire Naturelle. Entomologie, Tome Dixième, pt. 1, 594 pp. Paris.
- Lewis, G. 1894. On the Elateridae of Japan. The Annales and Magazine of Natural History, (6)13: 26–48.
- Linnaeus, C. 1758. Systema naturae per regna tria naturae secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Edition 10. Holmiae, 1, 823 pp.
- Linnaeus, C. 1767. Systema naturae per regna tria naturae secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis, 1, pars 2, editio duodecima reformata, Holmiae, 533–1327 pp.
- Lucas, P. H. 1849. Histoire naturelle des animaux articulés. In: Exploration scientifique de l'Algérie pendant des années 1840, 1841, 1842 publiée par ordre du gouvernement et avec le concours d'une commission académique, Sciences Physiques, Zoologie, II. 1–590 pp.
- MacLeay, W. S. 1825. Annulosa Javanica, or an attempt to illustrate the natural affinities and analogies of the insects collected in Java by Thomas Horsfield, M.D. F.L. and G.S. and deposited by him in the museum of the honourable East-India Company. Number 1. Kingsbury, Parbury, and Allen, London, xii + 50 pp., 1 pl.
- Mignot, E. C. See Arnett, Mignot and Smith. 1969.
- Motschulsky, V. 1859. Coléoptères nouveaux de la Californie. Bulletin de la Société Impériale des Naturalistes de Moscou, 32(2): 357–410, 2 pls.
- Nakane, T and T. Kishii. 1956. On the subfamilies of Elateridae from Japan (Coleoptera). Kontyû, 24(4): 201–206, pls. 22–23.
- Newman, E. 1833. Entomological remarks. The Entomological Magazine, 1: 505–514.
- Olivier, A. G. 1790. Entomologie, ou histoire naturelle des insectes, avec leurs caractères génériques et spécifiques, leur description, leur synonymie, et leur figure en luminée. Coléoptères, 2. Paris.
- Orellana, B. 1936. Revisión de los elatéridos chilenos. Revista Chilena de Historia Natural, 40: 57–60.
- Orellana, B. 1937. Revisión de los elatéridos chilenos. II-El género *Semiotus*, Guer. Revista Chilena de Historia Natural, 41: 300–303.
- Orellana, B. 1938a. Revisión de los elatéridos chilenos. Revista Chilena de Historia Natural, 42: 163–165.
- Orellana, B. 1938b. Revisión de los elatéridos chilenos. Revista Chilena de Historia Natural, 42: 294–296.
- Orellana, B. 1940. Revisión de los elatéridos chilenos. Revista Chilena de Historia Natural, 44: 100–105.
- Panzer, G. W. F. 1793. Faunae Insectorum Germanicae initia oder Deutschlands Insekten. Nürnberg: Felsecker, 24 pp. + 24 pls.
- Pascoe, F. P. 1885. Descriptions of new genera and species of New Zealand Coleoptera. Annals and Magazine of Natural History, Serie 4, 17: 48–60.
- Philippi, F. 1861. Observaciones sobre los lamelicornios de Chile, descritos en la obra del Señor Gay, con descripción de algunas especies nuevas. Anales de la Universidad de Chile, 18: 735–744 [Elateridae in pp. 742–744 under subtitle *Species quaedam novae coleopterorum chilensium*].
- Philippi, F. 1887. Catálogo de los Coleópteros de Chile. Anales de la Universidad de Chile, 71: 619–806 [Elateridae in pp. 699–70] [Reprint separately numbered as pages 1–190, and Elateridae in pages 83–89].
- Philippi, R. A. 1854. [Algunas observaciones jenerales sobre los coleópteros de Chile]. pp. 325–326. In: Germain, P. 1854. Descripción de 21 especies nuevas de coleópteros de Chile. Anales de la Universidad de Chile, 325–336.
- Philippi, R. A. 1860. Reise durch die Wueste Atacama auf Befehl der Chilenischen Regierung im Sommer 1853–54 unternommen und beschrieben. Halle. 192 pp.
- Philippi, R. A. 1862. Sobre algunos insectos de Magallanes. Anales de la Universidad de Chile, 21: 407–414.
- Philippi, R. A. 1873. Chilenische Insekten. Stettiner Entomologische Zeitung, 34: 296–316.
- Philippi, R. A. and F. Philippi. 1861. Coleoptera nonnulla nova Chilensia praesertim Valdiviana. Stettiner Entomologische Zeitung, 21(7–9): 245–251.

- Pic, M. 1928. Nouveaux coléoptères de la République Argentina. *Revista de la Sociedad Entomológica Argentina*, 2: 49–52.
- Prado, C. E. 1991. Artrópodos y sus enemigos naturales asociados a plantas cultivadas en Chile. *Boletín Técnico, Instituto de Investigaciones Agropecuarias*, 169: 1–203.
- Say, T. 1836. Descriptions of new North American coleopterous insects, and observations on some already described. *Transactions of the American Philosophical Society, Serie 2*, 6: 151–203.
- Schimmel, R. and D. Tarnawski. 2010. Monograph of the subtribe Elaterina (Insecta: Coleoptera: Elateridae: Elaterinae). *Genus*, 21(3): 325–487.
- Scopoli, G. A. 1763. *Entomologia Carniolica, exhibens insecta Carnioliae indigena Vindobonae*: 91–96.
- Sánchez-Ruiz, A. 1996. Catálogo de las especies de la familia Elateridae (Coleoptera) de la península Ibérica e Islas Baleares. *Documentos Fauna Ibérica 2*. Madrid. Museo Nacional de Ciencias Naturales Consejo Superior de Investigaciones Científicas, Madrid, 265 pp.
- Sharp, D. 1887. On the Elateridae of New Zealand. *The Annals and Magazine of Natural History, including Zoology, Botany, and Geology*, XIX, fourth series: 396–413.
- Schenkling, S. 1927. *Coleopterorum Catalogus. Pars 88. Elateridae II*. 636 pp. W. Junk, Berlin.
- Schwarz, O. 1895. Ueber *Cardiophorus musculus* Er. Als Vertreter einer besonderen Gattung. *Deutsche Entomologische Zeitschrift*, 1895: 39–40.
- Schwarz, O. 1900. Neue exotische Elateriden. *Deutsche entomologische Zeitschrift*, 1900: 305–358.
- Schwarz, O. 1902a. Ueber die elateriden-gattungen Sharp und Cand. und ihr systematische stellung nebst beschreibung einer neuen gattung und art. *Deutsche Entomologische Zeitschrift*, 46: 364–366.
- Schwarz, O. 1902b. Neue elateriden. *Stettiner Entomologische Zeitung*, 63: 194–316.
- Schwarz, O. 1904. Neue elateriden aus Süd-Amerika. *Deutsche Entomologische Zeitschrift*, 49–80.
- Schwarz, O. 1906a. Coleoptera, fam. Elateridae. in Witsman. *Genera Insectorum*. 46b: 1–370, 6 plates.
- Schwarz, O. 1906b. Neue Elateriden aus Süd-Amerika. *Deutsche Entomologische Zeitschrift*, 97–158.
- Smith, 1969. North American Coleoptera Fauna. Remarks on Pyrophorinae, Elateridae. In: Arnett, R. H., Edward, Mignot C. and Smith Eric H. (eds.), 23: 9–15.
- Solervicens, J. 1988. *Stenocebrion coquimbensis* (Coleoptera: Cebrionidae), nuevo género y especie y primera cita de esta familia para Chile. *Revista Chilena de Entomología*, 16: 15–21.
- Solier, A. 1851. Fauna Chilena. Insectos. Coleopteros. XVI. Elateroideos. In: C. Gay (ed.), *Historia física y política de Chile*, 5: 5–38. París. 564 pp.
- Stein, J. P. E. F. and J. Wise. 1877. *Catalogus coleopterorum Europae*. 209 pp. Berlin.
- Steinheil, E. 1874. *Symbolae ad historiam coleopterorum Argentinae meridionalis, ossia enumerazione dei coleotteri raccolti dal professore Pelegrino Strobel, durante il suo soggiorno in Buenos Aires e nei viaggi de la intrapresi a Mendoza e nel Chile, indi a Bahía Blanca ed al Carmen de los Patagones; e descrizione delle specie nuove*. *Atti della Società Italiana di Scienze Naturali*, 15: 554–578.
- Stephens, J. F. 1829. *A systematic catalogue of British Insects: Being an attempt to arrange all the hitherto discovered indigenous insects in accordance with their natural affinities. Containing also the references to every English writer on entomology, and to the principal foreign authors. With all the published British genera to the present time*. Part 1. London: Baldwin and Cradock, XXXIV + 416 + 388 pp.
- Stephens, J. F. 1830. *Illustrations of British entomology; or, a synopsis of indigenous insects: Containing their generic and specific distinctions; with an account of their metamorphoses, times of appearance, localities, food, and economy, as far as practicable*. *Mandibulata, Coleoptera*, 1–5: 1828–1835.
- Stibick, J. N. L. 1971. The generic classification of the Negastriinae (Coleoptera, Elateridae). *Pacific Insects*, 13(2): 371–390.
- Stibick, J. N. L. 1971. A revision of the Hypnoidinae of the world (Col. Elateridae); Part II. The Hypnoidinae of North and South America. The genera *Ascoliocerus*, *Desolakkerus*, *Margaioustus*, *Hypolithus* and *Hypnoidus*. *Eos*, 52: 309–386.
- Tarnawski, D. 2001. A world catalogue of Ctenicerini Fleutiaux, 1936. Part II (Coleoptera: Elateridae: Athoinae). *Genus*, 12(3): 277–323.
- Thomson, C. G. 1859. *Skandinaviens Coleoptera, synoptiskt bearbetade*, I. *Berlingska Boktryckeriet, Lund*, [3] + 290 pp.
- Tottenham, C. 1948. On the identity of *Athous campyiloides* Newman (Col. Elateridae). *Entomology Monthly Magazine*, 48, 99 pp.
- Valencia, J. J. E. 2006. Nueva posición sistemática de *Grammephorus niger* (Solier) (Coleoptera, Elateridae, Conoderini). *Anales del Museo de Historia Natural de Valparaíso*, 25: 98–102.
- Westwood, J. A. 1838–1840. *An introduction to the modern classification of insects; founded on the natural habits and corresponding organization of the different families*, 2 volumes, 462 + 587 pp. London.
- Wollaston, T. V. 1857. *Catalogue of the coleopterous insects of Madeira in the Collection of the British Museum*. London. 234 pp.

Received: July 12, 2012

Accepted: October 1, 2012

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