

omalinus Zetterstedt, 1828: 46 (*Anthophagus*; Type locality: Lapponia Norvegica. Nordlandia: Bjorkvik; Evenas; Lingen. Suecia: Johannis Ro. Insula Dyroe: Hamnvigen. Insula Senjen: Goebostad).

- C. Sahlberg, 1827: 274 (*Anthophagus*; [**Note:** Misidentification: Bernhauer and Schubert, 1910: 80 cited *alpinus* Sahlberg as a synonym of *omalinus* Zetterstedt; Sahlberg did not describe the species as new, he attributed it to Fabricius]; characters; Finland).
- Zetterstedt, 1838: 48 (*Anthophagus*; characters; habitat; Lapland).
- Erichson, 1840: 849 (*Anthophagus*; characters; Lapland).
- Heer, 1841: 573 (*Anthophagus*; characters).
- Kiesenwetter, 1845: 23 (*Anthophagus*; notes).
- Kiesenwetter, 1847a: 54 (*Anthophagus*; characters; Germany; Lapland; Sweden; Switzerland).
- Märkel and Kiesenwetter, 1848a: 327 (*Anthophagus*; notes; Carpathian Alps).
- Redtenbacher, 1849: 746 (*Anthophagus*; characters; Austria).
- Fairmaire and Laboulbène, 1856: 628 (*Anthophagus*; characters; France).
- Redtenbacher, 1857: 242 (*Anthophagus*; characters; Austria).
- Kraatz, 1857d: 921 (*Anthophagus*; characters; Germany).
- Thomson, 1861: 179 (*Anthophagus*; characters; Scandinavia).
- Hochhuth, 1862: 102 (*Anthophagus*; Russia).
- Fauvel, 1865a: 315 [= 1865b: 65] (*Anthophagus*; habitat; France).
- Redtenbacher, 1874: 264 (*Anthophagus*; characters; Austria).
- Seidlitz, 1875: 242 (*Anthophagus*; characters; Baltic region).
- Mulsant and Rey, 1880: 40 (*Anthophagus*; characters; France).
- Ganglbauer, 1895: 709 (*Anthophagus*; characters; north Europe; Sudeten; Alps).
- Luze, 1902d: 523 (*Anthophagus*; characters; Sudeten; northern Europe; Alps).
- Reitter, 1909: 183 (*Anthophagus*; characters; Germany).
- Bernhauer and Schubert, 1910: 80 (*Anthophagus*; catalog).
- Portevin, 1929: 435 (*Anthophagus*; characters; France).
- Scheerpeltz, 1933: 1069 (*Anthophagus*; catalog).
- C. Koch, 1933a: 142, 143 (*Anthophagus*; subgenus *Dimorphoschelus*; figure).
- C. Koch, 1934a: 223 (*Anthophagus*; subgenus *Dimorphoschelus*; characters; Lapland; Finland; Sweden; Norway; Russia; Germany; Czechoslovakia; Austria; Croatia; Italy; Switzerland; France).
- Palm, 1948: 125 (*Anthophagus*; characters; Sweden; Norway; Finland).
- Horion, 1963: 147 (*Anthophagus*; subgenus *Dimorphoschelus*; Norway; Sweden; Finland; Russia; Siberia; Czech Republic; Slovakia; Romania; Slovenia; Croatia; Germany; Austria).
- Tóth, 1982: 97 (*Anthophagus*; characters).
- Zanetti, 1987: 416 (*Anthophagus*; subgenus *Dimorphoschelus*; characters; Italy).
- Lucht, 1987: 90 (*Anthophagus*; distribution of nominate subspecies; checklist; Sweden).
- Zanetti, 1995: 9 (*Anthophagus*; Italy).
- Cibulskis, 1999: 36 (*Anthophagus*; list; Latvia).

▲ **DISTRIBUTION:** Europe, Russia, Caucasus.

arpedinus Hochhuth, 1849: 201 (*Anthophagus*; Type locality: Kaukasus).

- Luze, 1902d: 524 (*Anthophagus*; characters; Caucasus).
- Bernhauer and Schubert, 1910: 79 (*Anthophagus*; catalog).
- C. Koch, 1933a: 142 (*Anthophagus*; subspecies of *omalinus*).
- C. Koch, 1934a: 225 (*Anthophagus*; synonym of *omalinus*).
- Tikhomirova, 1973a: 141 (*Anthophagus*; subgenus *Dimorphoschelus*; checklist; Caucasus).

ruficeps Motschulsky, 1860: 547 (*Heterops*; Type locality: Sibérie orientale au delà du lac Baical; [**Note:** See lectotype designation by Hammond, 1970]).

- Heyden, 1880: 82 (*Heterops*; Siberian region).
- Bernhauer and Schubert, 1910: 70 (*Amphichroum*; catalog).
- Hammond, 1970: 69, 70 (*Anthophagus*; lectotype designation; notes; synonym of *omalinus*).

homalinus Fauvel, 1871a: 149 [= 1872: 123] (*Anthophagus*; emendation of *omalinus*).

- J. Sahlberg, 1876: 207 (*Anthophagus*; Finland).
- Ganglbauer, 1895: 709 (*Anthophagus*; synonym of *omalinus*).

- Luze, 1902d: 523 (*Anthophagus*; synonym of *omalinus*).
- Bernhauer and Schubert, 1910: 80 (*Anthophagus*; synonym of *omalinus*).
- C. Koch, 1933a: 142 (*Anthophagus*; synonym of *omalinus*).
- Zanetti, 1987: 416 (*Anthophagus*; synonym of *omalinus*).

arrowi C. Koch, 1933: 29 (*Anthophagus*; subspecies of *omalinus*; Type locality: Europa centralis).

- C. Koch, 1933a: 142 (*Anthophagus*; subspecies of *omalinus*).
- C. Koch, 1934a: 223 (*Anthophagus*; subgenus *Dimorphoschelus*; race of *omalinus*; characters).
- Lohse, 1964: 67 (*Anthophagus*; subgenus *Dimorphoschelus*; subspecies of *omalinus*; characters; central Europe).
- Zanetti, 1987: 416 (*Anthophagus*; subgenus *Dimorphoschelus*; subspecies of *omalinus*; characters; Italy).
- Lucht, 1987: 90 (*Anthophagus*; subspecies of *omalinus*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland).
- Boháč, 1993: 42 (*Anthophagus*; subgenus *Anthophagus*; subspecies of *omalinus*; Slovakia; Czech Republic).
- Zanetti, 1995: 9 (*Anthophagus*; subspecies of *omalinus*; Italy).

ursus Havelka and R. Dvořák, 1953: 28 (*Anthophagus*; aberration of *omalinus*; [**Note: Nomen nudum** (Articles 1.3.4, 45.5)]; locality cited: Carniola: Medvedi Dolina, Vallée d'Ours).

palustris Heer, 1841, see: *caraboides* Linné, 1758.

paratus Havelka and R. Dvořák, 1953 [**Note: Nomen nudum**], see: *alpinus* Fabricius, 1793.

picipennis Gredler, 1863, see: *spectabilis* Heer, 1839.

pollinensis C. Koch, 1934, see: *torretassoi* C. Koch, 1933.

praeustus P. W. J. Müller, 1821: 228 (*Anthophagus*; Type locality: Odenbach).

- Runde, 1835: 23 (*Lesteva*; characters; Germany).
- Heer, 1839: 194 (*Anthophagus*; characters; Switzerland).
- Erichson, 1840: 852 (*Anthophagus*; characters; Germany; France).
- Redtenbacher, 1849: 747 (*Anthophagus*; characters; Austria).
- Fairmaire and Laboulbène, 1856: 629 (*Anthophagus*; characters; France).
- Redtenbacher, 1857: 243 (*Anthophagus*; characters; Austria).
- Kraatz, 1857d: 924 (*Anthophagus*; characters; Germany).
- Fauvel, 1871a: 141 [= 1872: 115] (*Anthophagus*; characters; France; Germany; Switzerland; Italy; Austria).
- Fauvel, 1873b: 119 [= 1873c: 12] (*Anthophagus*; Sardinia).
- Redtenbacher, 1874: 265 (*Anthophagus*; characters; Austria).
- Mulsant and Rey, 1880: 48 (*Anthophagus*; subgenus *Phaganthus*; characters; France).
- Ganglbauer, 1895: 709 (*Anthophagus*; subgenus *Phaganthus*; characters; middle Europe).
- Luze, 1902d: 527 (*Anthophagus*; characters; central Europe).
- Reitter, 1909: 183 (*Anthophagus*; subgenus *Phaganthus*; characters; Germany).
- Bernhauer and Schubert, 1910: 80 (*Anthophagus*; cited as *pracustus*; catalog).
- Portevin, 1929: 435 (*Anthophagus*; characters; France).
- Scheerpeltz, 1933: 1069 (*Anthophagus*; catalog).
- C. Koch, 1933a: 141, 143 (*Anthophagus*; subgenus *Phaganthus*; figure).
- C. Koch, 1934a: 158 (*Anthophagus*; subgenus *Phaganthus*; characters; Germany; France; Switzerland; Portugal).
- Horion, 1963: 138 (*Anthophagus*; subgenus *Phaganthus*; Holland; Belgium; France; Spain; Portugal; Switzerland; Sardinia; Italy; Romania; Czech Republic; Germany; Austria).
- Lohse, 1964: 64 (*Anthophagus*; subgenus *Phaganthus*; characters; central Europe).
- Smetana, 1964c: 164 (*Anthophagus*; subgenus *Phaganthus*; Czechoslovakia).
- Tóth, 1982: 92 (*Anthophagus*; characters; Hungary).
- Zanetti, 1987: 393 (*Anthophagus*; species not in Italy).
- Lucht, 1987: 90 (*Anthophagus*; checklist; Germany; Czechoslovakia; Austria; Switzerland; France; Benelux).

- Boháč, 1993: 41 (*Anthophagus*; subgenus *Phaganthus*; Czech Republic).
- Zerche, 2000: 52 (*Anthophagus*; discussion; **nomen protectum**).

▲ **DISTRIBUTION:** Europe.

nigrophthalmus Block, 1799: 117 (*Staphylinus*; Type locality: Plauischer Grund bei Dresden).

- Gemminger and Harold, 1868: 658 (*Anthophagus*; synonym of *plagiatus*).
- Fauvel, 1869: 493 (*Anthophagus*; synonym of *plagiatus*).
- Bernhauer and Schubert, 1910: 77 (*Geodromicus*; synonym of *plagiatus*).
- Zerche, 2000: 52 (*Anthophagus*; synonym of *praeustus*; **nomen protectum**).

bimaculatus Lacordaire, 1835: 481 (*Lesteva*; Type locality: Fontainbleau).

- Erichson, 1840: 852 (*Anthophagus*; synonym of *praeustus*).
- Redtenbacher, 1849: 747 (*Anthophagus*; characters; Austria).
- Fairmaire and Laboulbène, 1856: 629 (*Anthophagus*; synonym of *praeustus*).
- Kraatz, 1857d: 925 (*Anthophagus*; synonym of *praeustus*).
- Mulsant and Rey, 1880: 49 (*Anthophagus*; synonym of *praeustus*).
- Ganglbauer, 1895: 709 (*Anthophagus*; synonym of *praeustus*).
- Luze, 1902d: 527 (*Anthophagus*; synonym of *praeustus*).
- Bernhauer and Schubert, 1910: 81 (*Anthophagus*; synonym of *praeustus*).
- C. Koch, 1933a: 141 (*Anthophagus*; synonym of *praeustus*).

pseudosudeticus C. Koch, 1934 [**Note: Nomen nudum**], see: *alpinus* Fabricius, 1793.

puberulum Märkel and Kiesenwetter, 1848, see: *Eusphalerum*.

puncticollis Weise, 1875, see: *Geodromicus*.

pyrenaicus Brisout, 1863, see: *alpinus* Fabricius, 1793.

rotundicollis Heer, 1839: 195 (*Anthophagus*; Type locality: Frugmatt).

- Redtenbacher, 1874: 265 (*Anthophagus*; characters; Austria).
- Mulsant and Rey, 1880: 51 (*Anthophagus*; subgenus *Phaganthus*; characters; France).
- Ganglbauer, 1895: 709 (*Anthophagus*; subgenus *Phaganthus*; characters; Alps).
- Luze, 1902d: 528 (*Anthophagus*; characters; East Tirol).
- Bernhauer and Schubert, 1910: 81 (*Anthophagus*; catalog).
- Scheerpeltz, 1933: 1069 (*Anthophagus*; catalog).
- C. Koch, 1933a: 141, 143 (*Anthophagus*; subgenus *Phaganthus*; figure).
- C. Koch, 1934a: 160 (*Anthophagus*; subgenus *Phaganthus*; characters; Alpes; Austria; Transylvania; Alps).
- Horion, 1935: 169 (*Anthophagus*; subgenus *Phaganthus*; characters; Alps; Austria; Germany).
- Horion, 1963: 140 (*Anthophagus*; subgenus *Phaganthus*; France; Switzerland; Italy; Germany; Austria; Romania).
- Lohse, 1964: 64 (*Anthophagus*; subgenus *Phaganthus*; characters; central Europe).
- Tóth, 1982: 92 (*Anthophagus*; characters).
- Zanetti, 1987: 392 (*Anthophagus*; subgenus *Phaganthus*; characters; Italy).
- Lucht, 1987: 90 (*Anthophagus*; checklist; Germany; Austria).

▲ **DISTRIBUTION:** Germany, France, Switzerland Italy, Austria.

brevicornis Kiesenwetter, 1861: 376 (*Anthophagus*; Type locality: Saas am Ufer des Vispbaches; Macugnaga am Ufer der Anza; Annivier-Thal an der Nanvisanche).

- Fauvel, 1871a: 139 [= 1872: 113] (*Anthophagus*; characters; France; Germany; Switzerland; Italy; Austria).
- Fauvel, 1874: 324 [= 1874b: 30] (*Anthophagus*; synonym of *brevicornis*).
- Redtenbacher, 1874: 265 (*Anthophagus*; characters; Austria).
- Mulsant and Rey, 1880: 51 (*Anthophagus*; synonym of *rotundicollis*).
- Ganglbauer, 1895: 709 (*Anthophagus*; synonym of *rotundicollis*).
- Bernhauer and Schubert, 1910: 81 (*Anthophagus*; synonym of *rotundicollis*).
- Portevin, 1929: 435 (*Anthophagus*; characters; France).
- Scheerpeltz, 1933: 1069 (*Anthophagus*; synonym of *rotundicollis*).
- C. Koch, 1933a: 141 (*Anthophagus*; aberration of *rotundicollis*).

- C. Koch, 1934a: 160 (*Anthophagus*; subgenus *Phaganthus*; aberration of *rotundicollis*).
- Tóth, 1982: 92 (*Anthophagus*; aberration of *rotundicollis*; characters).
- Zanetti, 1987: 392 (*Anthophagus*; synonym of *rotundicollis*).

crassicornis Mulsant and Rey, 1861: 179 [= 1862: 163] (*Anthophagus*; Type locality: Chamouni).

- Fauvel, 1871a: 139 [= 1872: 113] (*Anthophagus*; synonym of *brevicornis*).
- Mulsant and Rey, 1880: 51 (*Anthophagus*; synonym of *rotundicollis*).
- Ganglbauer, 1895: 709 (*Anthophagus*; synonym of *rotundicollis*).
- Bernhauer and Schubert, 1910: 81 (*Anthophagus*; synonym of *rotundicollis*).
- C. Koch, 1933a: 141 (*Anthophagus*; synonym of *rotundicollis*).

imitator Luze, 1902d: 528 (*Anthophagus*; aberration of *rotundicollis*; [**Note: Nomen nudum** (Articles 1.3.4, 45.5)]; no locality cited).

- Bernhauer and Schubert, 1910: 81 (*Anthophagus*; aberration of *rotundicollis*).
- C. Koch, 1933a: 141 (*Anthophagus*; synonym of *brevicornis*).

roubali C. Koch, 1934, see: *angusticollis* Mannerheim, 1830.

ruficeps Motschulsky, 1860, see: *omalinus* Zetterstedt, 1828.

schatzmayri C. Koch, 1933: 30 (*Anthophagus*; Type locality: Brussa).

- C. Koch, 1933a: 142 (*Anthophagus*; subgenus *Dimorphoschelus*).
- C. Koch, 1934a: 237 (*Anthophagus*; subgenus *Dimorphoschelus*; characters; Asia Minor).
- Tikhomirova, 1973a: 141 (*Anthophagus*; subgenus *Dimorphoschelus*; checklist; Asia Minor).

▲ **DISTRIBUTION:** Turkey.

scheerpeltzi C. Koch, 1933, see: *muticus* Kiesenwetter, 1850.

schneideri Eppelsheim, 1878: 125 (*Anthophagus*; Type locality: Elisabetpol).

- Luze, 1902d: 517 (*Anthophagus*; characters; Caucasus; Transcaucasian region).
- Bernhauer and Schubert, 1910: 81 (*Anthophagus*; catalog).
- C. Koch, 1933a: 142 (*Anthophagus*; subgenus *Dimorphoschelus*).
- C. Koch, 1934a: 221 (*Anthophagus*; subgenus *Dimorphoschelus*; characters; Caucasus).

▲ **DISTRIBUTION:** Armenia, Azerbaijan, Georgia.

scutellaris Erichson, 1840: 851 (*Anthophagus*; Type locality: Genevae).

- Heer, 1841: 572 (*Anthophagus*; [**Note:** Misidentification: Bernhauer and Schubert, 1910: 81 cited *caraboides* variety b Heer as a synonym of *scutellaris*; the variety is unavailable]; characters).
- Heer, 1841: 572 (*Anthophagus*; characters; Switzerland).
- Kiesenwetter, 1845: 23 (*Anthophagus*; notes).
- Kiesenwetter, 1847a: 58 (*Anthophagus*; characters; Switzerland).
- Fairmaire and Laboulbène, 1856: 628 (*Anthophagus*; characters; France).
- Kraatz, 1857d: 916 (*Anthophagus*; notes).
- Fauvel, 1865a: 314 [= 1865b: 64] (*Anthophagus*; habitat; France).
- Fauvel, 1871a: 142 [= 1872: 116] (*Anthophagus*; characters; France; Switzerland; Italy).
- Mulsant and Rey, 1880: 43 (*Anthophagus*; subgenus *Phaganthus*; characters; France).
- Ganglbauer, 1895: 709 (*Anthophagus*; subgenus *Phaganthus*; characters; western Alps; Jura).
- Luze, 1902d: 525 (*Anthophagus*; characters; Jura; France; Piemont; Swiss and Tirolian Alps; Austria).
- Bernhauer and Schubert, 1910: 81 (*Anthophagus*; catalog).
- Portevin, 1929: 435 (*Anthophagus*; characters; France).
- Scheerpeltz, 1933: 1069 (*Anthophagus*; catalog).
- C. Koch, 1933a: 141, 143 (*Anthophagus*; subgenus *Phaganthus*; figure).
- C. Koch, 1934a: 164 (*Anthophagus*; subgenus *Phaganthus*; characters; Europe).
- Horion, 1935: 169 (*Anthophagus*; subgenus *Phaganthus*; characters; Alps; Austria).
- Horion, 1963: 140 (*Anthophagus*; subgenus *Phaganthus*; France; Italy; Switzerland; Germany; Austria).
- Lohse, 1964: 64 (*Anthophagus*; subgenus *Phaganthus*; characters; central Europe).
- Tóth, 1982: 91 (*Anthophagus*; characters).
- Zanetti, 1987: 391 (*Anthophagus*; subgenus *Phaganthus*; characters; Italy).

- Lucht, 1987: 90 (*Anthophagus*; checklist; Germany; Austria; Switzerland).
- Zanetti, 1995: 9 (*Anthophagus*; Italy).

▲ **DISTRIBUTION:** Germany, France, Switzerland, Austria, Italy.

sinuatus Sharp, 1889, see: *Geodromicus*.

solarii C. Koch, 1934, see: *bicornis* Block, 1799.

spectabilis Heer, 1839: 197 (*Anthophagus*; Type locality: in Valesiae alpinus).

- Kiesenwetter, 1845: 23 (*Anthophagus*; notes).
- Fairmaire and Laboulbène, 1856: 627 (*Anthophagus*; characters; France).
- Redtenbacher, 1857: 242 (*Anthophagus*; characters; Austria).
- Kraatz, 1857d: 914 (*Anthophagus*; characters; Austria).
- Fauvel, 1865a: 314 [= 1865b: 64] (*Anthophagus*; France).
- Fauvel, 1871a: 144 [= 1872: 118] (*Anthophagus*; characters; France; Switzerland; Germany).
- Redtenbacher, 1874: 264 (*Anthophagus*; characters; Austria).
- Mulsant and Rey, 1880: 24 (*Anthophagus*; characters; France).
- Ganglbauer, 1895: 707 (*Anthophagus*; characters; Alps; Vosges).
- Luze, 1902d: 511 (*Anthophagus*; characters; Alps; Voges).
- Reitter, 1909: 182 (*Anthophagus*; characters; Germany).
- Bernhauer and Schubert, 1910: 81 (*Anthophagus*; catalog).
- Portevin, 1929: 434 (*Anthophagus*; characters; France).
- Scheerpeltz, 1933: 1069 (*Anthophagus*; catalog).
- C. Koch, 1933a: 141 (*Anthophagus*; subgenus *Anthophagus*).
- C. Koch, 1934a: 173 (*Anthophagus*; subgenus *Anthophagus*; characters; Switzerland; France; Italy).
- Horion, 1963: 142 (*Anthophagus*; subgenus *Anthophagus*; France; Italy; Switzerland; Germany; Austria).
- Lohse, 1964: 64 (*Anthophagus*; subgenus *Anthophagus*; characters; central Europe).
- Zanetti, 1987: 401 (*Anthophagus*; subgenus *Anthophagus*; characters; Italy).
- Lucht, 1987: 90 (*Anthophagus*; checklist; Germany; Austria; Switzerland; France).
- Zanetti, 1995: 9 (*Anthophagus*; Italy).

▲ **DISTRIBUTION:** France, Switzerland, Germany, Austria, Italy.

picipennis Gredler, 1863a: 166 (*Anthophagus*; Type locality: Not cited, collected in the Alps).

- Redtenbacher, 1874: 265 (*Anthophagus*; characters; Austria).
- Fauvel, 1876a: 54 [= 1876: 239] (*Anthophagus*; synonym of *picipennis*).
- Luze, 1902d: 511 (*Anthophagus*; synonym of *spectabilis*).
- Bernhauer and Schubert, 1910: 81 (*Anthophagus*; synonym of *spectabilis*).
- Scheerpeltz, 1933: 1069 (*Anthophagus*; synonym of *spectabilis*).
- C. Koch, 1933a: 141 (*Anthophagus*; aberration of *spectabilis*).
- C. Koch, 1934a: 173 (*Anthophagus*; subgenus *Anthophagus*; aberration of *spectabilis*).

muelleri Bernhauer, 1901: 539 (*Anthophagus*; variety of *spectabilis*; Type locality: Bregenz auf den Vorarlberger Alpen).

- Luze, 1902d: 511 (*Anthophagus*; variety of *spectabilis*).
- Bernhauer and Schubert, 1910: 81 (*Anthophagus*; variety of *spectabilis*).
- C. Koch, 1933a: 141 (*Anthophagus*; synonym of *picipennis*).
- C. Koch, 1934a: 176 (*Anthophagus*; subgenus *Anthophagus*; aberration of *spectabilis*; characters).
- Zanetti, 1987: 401 (*Anthophagus*; synonym of *spectabilis*).

speculicollis C. Koch, 1933, see: *alpinus* Fabricius, 1793.

subfasciatus Luze, 1902 [**Note: Nomen nudum**], see: *bicornis* Block, 1799.

subtilis Sharp, 1889, see: *Liophilhydrodes*.

sudeticus Kiesenwetter, 1846: 22 (*Anthophagus*; Type locality: Riesengebirge; Spiegglitzer Schneeberg im Glatzer Gebirge).

- Kiesenwetter, 1847a: 52 (*Anthophagus*; characters; Germany).

- Redtenbacher, 1849: 828 (*Anthophagus*; characters; Austria).
- Fairmaire and Laboulbène, 1856: 626 (*Anthophagus*; characters; France).
- Redtenbacher, 1857: 243 (*Anthophagus*; characters; Austria).
- Kraatz, 1857d: 920 (*Anthophagus*; characters; Germany).
- Fauvel, 1871a: 147 [= 1872: 121] (*Anthophagus*; characters; Italy; Austria).
- Redtenbacher, 1874: 264 (*Anthophagus*; characters; Austria).
- Mulsant and Rey, 1880: 16 (*Anthophagus*; characters; France).
- Ganglbauer, 1895: 707 (*Anthophagus*; characters; Sudeten).
- Luze, 1902d: 520 (*Anthophagus*; characters; Sudeten; Carpathian and Transylvanian Alps).
- Reitter, 1909: 182 (*Anthophagus*; characters; Germany).
- Bernhauer and Schubert, 1910: 81 (*Anthophagus*; catalog).
- Scheerpeltz, 1933: 1069 (*Anthophagus*; catalog).
- C. Koch, 1933a: 142, 143 (*Anthophagus*; subgenus *Anthophagus*; figure).
- C. Koch, 1934a: 205 (*Anthophagus*; subgenus *Anthophagus*; characters; central Europe).
- Horion, 1963: 144 (*Anthophagus*; subgenus *Anthophagus*; Czech Republic; Slovakia; Romania; Germany; Austria).
- Lohse, 1964: 66 (*Anthophagus*; subgenus *Anthophagus*; characters; central Europe).
- Tóth, 1982: 94 (*Anthophagus*; characters).
- Lucht, 1987: 90 (*Anthophagus*; checklist; Poland; Czechoslovakia).
- Boháč, 1993: 42 (*Anthophagus*; subgenus *Dimorphoschelus*; Slovakia; Czech Republic).
- ▲ **DISTRIBUTION:** Poland, Germany, Austria, Italy, Czech Republic, Slovakia, Romania, Carpathians.

testaceus Gravenhorst, 1802, see: *caraboides* Linné, 1758.

torretassoi C. Koch, 1933: 27 (*Anthophagus*; Type locality: Appennino abruzzese, Lazio).

- C. Koch, 1933a: 142 (*Anthophagus*; subgenus *Anthophagus*).
- C. Koch, 1934a: 185 (*Anthophagus*; subgenus *Anthophagus*; characters; Italy).
- Zanetti, 1987: 405 (*Anthophagus*; subgenus *Anthophagus*; characters; Italy).
- Zanetti, 1995: 10 (*Anthophagus*; Italy).

▲ **DISTRIBUTION:** Italy.

pollinensis C. Koch, 1934a: 185, 188 (*Anthophagus*; subgenus *Anthophagus*; race of *torretassoi*; Type locality: Lucania, Mte. Pollino, Puglia).

- Zanetti, 1987: 405 (*Anthophagus*; subgenus *Anthophagus*; subspecies of *torretassoi*; characters; Italy).
- Zanetti, 1995: 10 (*Anthophagus*; subspecies of *torretassoi*; Italy).

transversus Motschulsky, 1857a: 494 (*Anthophagus*; Type locality: Alpes de la Carniole).

- Fauvel, 1865c: 18 [= 1866: 25] (*Anthophagus*; synonym of *austriacus*).
- Kraatz, 1867: 415 (*Anthophagus*; synonym of *austriacus*).
- Fauvel, 1871a: 141 [= 1872: 115] (*Anthophagus*; synonym of *alpestris*).
- Ganglbauer, 1895: 708 (*Anthophagus*; synonym of *alpestris*).
- Luze, 1902d: 512 (*Anthophagus*; synonym of *alpestris*).
- Bernhauer and Schubert, 1910: 79 (*Anthophagus*; aberration of *alpestris*).
- C. Koch, 1933a: 142 (*Anthophagus*; subspecies of *dinaricus*).
- C. Koch, 1934a: 234 (*Anthophagus*; subgenus *Dimorphoschelus*; race of *dinaricus*; characters).
- Zanetti, 1986: 96 (*Anthophagus*; cited as valid species).
- Zanetti, 1987: 419 (*Anthophagus*; subgenus *Dimorphoschelus*; characters; Italy).
- Zanetti, 1995: 10 (*Anthophagus*; Italy).

▲ **DISTRIBUTION:** Italy, Austria, Bosnia Hercegovina, Slovenia.

dinaricus Apfelbeck, 1909: 501 (*Anthophagus*; Type locality: Bosnia sept. occ.: in monte Klekovača).

- Scheerpeltz, 1933: 1069 (*Anthophagus*; catalog).
- C. Koch, 1933: 30 (*Anthophagus*; Italy).
- C. Koch, 1933a: 142, 143 (*Anthophagus*; subgenus *Dimorphoschelus*; figure).
- C. Koch, 1934a: 231 (*Anthophagus*; subgenus *Dimorphoschelus*; characters; Herzegovina; Bosnia).

- Horion, 1963: 148 (*Anthophagus*; subgenus *Dimorphoschelus*; Austria; Bosnia Hercegovina; Slovenia).
- Lohse, 1964: 67 (*Anthophagus*; subgenus *Dimorphoschelus*; characters; central Europe).
- Zanetti, 1986: 96 (*Anthophagus*; subspecies of *transversus*).
- Lucht, 1987: 90 (*Anthophagus*; checklist; Austria).
- Zanetti, 1987: 419 (*Anthophagus*; subgenus *Dimorphoschelus*; subspecies of *transversus*; characters; Italy).
- Lohse and Lucht, 1989: 127 (*Anthophagus*; subspecies of *transversus*).
- Zanetti, 1995: 10 (*Anthophagus*; subspecies of *transversus*; Italy).

trimaculatus Luze, 1902, see: *caraboides* Linné, 1758.

ursus Havelka and R. Dvořák, 1953 [**Note: Nomen nudum**], see: *omalinus* Zetterstedt, 1828.

variegatus Gistel, 1857: 5 (*Anthophagus*; [**Note: Nomen dubium**]; Type locality: Styria).

▲ **DISTRIBUTION:** Austria.

vehemans Gistel, 1857: 85 (*Anthophagus*; [**Note: Nomen dubium**]; Type locality: Tyrolis).

▲ **DISTRIBUTION:** Austria.

verticalis Say, 1831, see: *Geodromicus*.

villosus Waltl, 1838, see: *Lesteva*.

Arpedium

[6 species; Nearctic and Palaeartic Region]

Arpedium Erichson, 1839a: 618 (species included: *quadrum*). **TYPE SPECIES:** *Omalium*

quadrum Gravenhorst, fixed by monotypy.

- Erichson, 1840: 858 (characters).
- Redtenbacher, 1849: 748 (characters).
- Schaum, 1852: 30 (list of species; Europe).
- Lacordaire, 1854: 139 (characters; notes; list of species).
- Fairmaire and Laboulbène, 1856: 633 (characters).
- Jacquelin du Val, 1857: 72 (characters).
- Redtenbacher, 1857: 246 (characters).
- Kraatz, 1857d: 957 (characters).
- Thomson, 1858: 37 (characters).
- G. Waterhouse, 1858: 31 (catalog of British species).
- Thomson, 1859: 49 (characters; type species: *quadrum*).
- Schaum, 1859: 31 (catalog; European species).
- Thomson, 1861: 188 (characters).
- Gredler, 1863: 123 (list of species from Tirol).
- Wencker and Silbermann, 1866: 36 (list of species; collecting notes; France).
- Gemminger and Harold, 1868: 662 (catalog).
- Jacquelin du Val, 1868: 80 (catalog; European species).
- Fauvel, 1871a: 111 [= 1872: 85] (characters; key to species).
- Sharp, 1871d: 14 (list of British species).
- Redtenbacher, 1874: 270 (characters).
- Fauvel, 1875a: VI [= 1875b: 208] (catalog).
- Fauvel, 1878d: 224 [= 1878e: 60] (key to North American species).
- Mulsant and Rey, 1880: 144 (characters; key to French species).
- Heyden, 1880: 82 (list of species of Siberian region).
- Duvivier, 1883: 196 (catalog).
- Fowler, 1888: 407 (notes).
- Seidlitz, 1891: 343 (key to some European species).
- Seidlitz, 1891a: 365 (key to some European species).
- Heyden, Reitter, and Weise, 1891: 119 (list of species of Europe and Caucasus).
- Heyden, 1893: 48 (list of species of Siberian region).
- Ganglbauer, 1895: 717 (characters; key to middle European species).
- Heyden, 1896: 37 (list of species of Siberian region).

- Heyden, Reitter, and Weise, 1906: 134 (list of species of Europe and Caucasus).
- Reitter, 1909: 186 (characters; key to German species).
- Bernhauer and Schubert, 1910: 67 (world catalog; 15 species).
- Blatchley, 1910: 477 (characters; key to Indiana species).
- Petri, 1912: 54 (list of species of Siebenbürgen).
- Johansen, 1914: 600 (characters; key to Danish species).
- Leng, 1920: 94 (catalog of North American species).
- Winkler, 1925: 333 (catalog for Palaearctic region).
- Cameron, 1925: 11 (catalog of Indian species).
- Porta, 1926: 26 (characters; key to species of Italy).
- Portevin, 1929: 440 (key to French genera).
- Cameron, 1930: 155 (characters).
- Roubal, 1930: 314 (catalog; Slovakia).
- Munster, 1933 (revision of and key to Norwegian species).
- Joy, 1932: 102 (key to British species).
- Scheerpeltz, 1933: 1060 (world catalog supplement).
- Kloet and Hincks, 1945: 161 (list of British species).
- Palm, 1948: 109 (characters; key to species of Sweden).
- Tottenham, 1949: 357, 407 (type species: *quadrum* Gravenhorst; list of British species).
- Blackwelder, 1952: 62 (type species: *quadrum*).
- Tottenham, 1954: 31 (characters; British species).
- Hatch, 1957: 49, 53 (characters; key to species of Pacific Northwest).
- Horion, 1963: 117 (list of central European species).
- Székessy, 1963: 20 (characters).
- Lohse, 1964: 55 (characters; key to central European species).
- Moore, 1966: 48, 51 (characters; notes).
- Scheerpeltz, 1968a: 14 (catalog of Austrian species).
- Tikhomirova, 1973a: 140 (checklist of species of USSR).
- Moore and Legner, 1975: 184 (catalog; North America north of Mexico).
- Pope, 1977: 22 (list of British species).
- Topp, 1978: 308 (larval characters).
- Burakowski, Mroczkowski, and Stefańska, 1979: 61 (catalog; Poland).
- Moore and Legner, 1979: 180 (characters; notes).
- Muona, 1979: 18 (list of Scandinavian species).
- Uhlig, 1979: 243 (some species collected in Germany).
- Uhlig and Vogler, 1981: 87 (list of some species collected in Germany; habitat and collecting notes).
- Tóth, 1982: 81 (characters; habitus; key to species of Hungary).
- Campbell, 1984: 506 (characters; revision of and key to species of North America).
- Ádám, 1985: 251 (list of species from southeast Hungary).
- Muona and Viramo, 1986: 15 (list of species of northeastern Finland).
- Zanetti, 1987: 307 (characters; habitus; species of Italy).
- Ádám, 1987: 137 (*Arpedium*; collecting notes; Hungary).
- Silfverberg, 1992: 22 (list of species of Fennoscandia, Denmark, and the Baltic States).
- Siitonen, 1993: 230 (list of Finnish species).
- Zanetti, 1995: 8 (list of species of Italy).
- M. Hansen, 1996: 95 (list of Danish species).
- Downie and Arnett, 1996: 431 (characters; key to species of Northeastern North America).
- Newton, Thayer, Ashe, and Chandler, 2000: 339 (3 Nearctic species; notes; characters in key).

alpinum Fauvel, 1871, see: *quadrum* Gravenhorst, 1806.

angulare Fauvel, 1878, see: *cribratum* Fauvel, 1878.

angulare Fauvel, 1878d: 226 [= 1878e: 62] (*Arpedium*; Type locality: Pointe des Pins, Sault St. Marie, Lake Superior; [**Note:** See lectotype designation by Campbell, 1984]. Also cited from Detroit, Michigan).

- Bernhauer and Schubert, 1910: 67 (*Arpedium*; catalog).

- Campbell, 1984: 508 (*Arpedium*; lectotype designation: Pointe des Pins, Sault St. Marie, Lake Superior, Ontario; synonym of *cribratum*).
- Newton, Thayer, Ashe, and Chandler, 2000: 339 (*Arpedium*; appears to be distinct species).

▲ **DISTRIBUTION:** Canada; USA.

beringense Van Dyke, 1921, see: *Eucnecosum*.

brevicollis Mäklin, 1852, see: *Porrhodites*.

brunnescens J. Sahlberg, 1871, see: *Eucnecosum*.

columbiense Hatch, 1957, see: *cribratum* Fauvel, 1878.

creticum Scheerpeltz, 1958, see: *Deliphrosoma*.

cribratum Fauvel, 1878d: 224 [= 1878e: 60] (*Arpedium*; Type locality: Detroit, Michigan; [Note: See lectotype designation by Campbell, 1984]. Originally cited from Michigan, Detroit; Illinois).

- Bernhauer and Schubert, 1910: 68 (*Arpedium*; catalog).
- Blatchley, 1910: 478 (*Arpedium*; characters; Indiana).
- Legner and Moore, 1977: 175 (*Arpedium*; found under bark).
- Campbell, 1984: 508 (*Arpedium*; lectotype designation: Detroit, Michigan; characters; British Columbia; New Brunswick; Ontario; Quebec; Illinois; Iowa; Maine; Massachusetts; Michigan; Missouri; Nebraska; New Hampshire; New York; Ohio; Wisconsin).
- Campbell and Davies, 1991: 89 (*Arpedium*; checklist of species; Canada).
- Levesque and Levesque, 1996: 289 (*Arpedium*; seasonal abundance; Quebec).
- Downie and Arnett, 1996: 431 (*Arpedium*; characters; USA).

▲ **DISTRIBUTION:** Canada; USA.

columbiense Hatch, 1957: 53 (*Arpedium*; Type locality: Barkerville, B. C. Also cited from Idaho).

— Steel, 1964a: 249 (*Arpedium*; synonym of *quadrum*).

— Campbell, 1984: 508 (*Arpedium*; synonym of *cribratum*).

engadinicum Heyden, 1863, see: *Eucnecosum*.

gyllenhali C. Sahlberg, 1830, see: *Eucnecosum*.

heydeni Heer, 1839, see: *quadrum* Gravenhorst, 1806.

humile Erichson, 1840, see: *Philorinum*.

impressum Zetterstedt, 1828, see: *Eucnecosum*.

kittilense Munster, 1933, see: *Eucnecosum*.

libanicum Fauvel, 1875, see: *Deliphrosoma*.

limbatum Gebler, 1848, see: *quadrum* Gravenhorst, 1806.

lindebergi Scheerpeltz, 1958, see: *Deliphrosoma*.

maculicolle Mannerheim, 1843, see: *Amphichroum*.

major Bernhauer, 1902, see: *Deliphrosoma*.

mandli Scheerpeltz, 1937, see: *Deliphrosoma*.

mixtum Bernhauer, 1902, see: *Eucnecosum*.

morvani Jarrige, 1971, see: *Deliphrosoma*.

myops Haliday, 1841, see: *Philorinum*.

nepalicum Coiffait, 1982: 145 (*Arpedium*; Type locality: Nepal occidental: Dzunda, Khola Tal, près Talphi, 3000–3500 m).

▲ **DISTRIBUTION:** Nepal.

norvegicum Munster, 1933, see: *Eucnecosum*.

pallens Motschulsky, 1857, see: *Phloeonomus*.

platyophthalmum C. Koch, 1937, see: *Deliphrosoma*.

puncticolle J. Sahlberg, 1880, see: *Eucnecosum*.

quadrum Gravenhorst, 1806: 213 (*Omalium*; Type locality: Not cited).

- Gyllenhal, 1810: 198 (*Omalium*; synonym of *boreale* Paykull).
- Olivier, 1811: 478 (*Omalium*; characters; Germany; Sweden).
- Gyllenhal, 1827: 461 (*Omalium*; characters; not synonym of *boreale*; Sweden; Finland).
- C. Sahlberg, 1827: 278 (*Omalium*; cited as *quadratum*; characters; Finland).
- Mannerheim, 1830: 52 (*Omalium*; Lapland).
- Mannerheim, 1831: 466 (*Omalium*; Lapland).
- Heer, 1834: 43, 76 (*Omalium*; cited as *consimile* Gyllenhal; [**Note:** Misidentification: Bernhauer and Schubert, 1910: 68 cited *consimile* Heer as a synonym of *quadrum*; Heer did not describe the species as new, he attributed it to Gyllenhal]; collecting notes).
- Runde, 1835: 23 (*Anthobium*; [**Note:** Misidentification: Bernhauer and Schubert, 1910: 68 cited *castaneum* Runde as a synonym of *quadrum*; Runde did not describe the species as new, he attributed it to Gravenhorst]; characters; Germany).
- Lacordaire, 1835: 487 (*Omalium*; characters; France).
- Zetterstedt, 1838: 50 (*Omalium*; characters; habitat; Lapland).
- Zetterstedt, 1838: 50 (*Omalium*; [**Note:** Misidentification: Bernhauer and Schubert, 1910: 68 cited *piceum* Zetterstedt as a synonym of *quadrum* Gravenhorst; Zetterstedt did not describe the species as new, he attributed it to Gyllenhal]; characters; habitat; Lapland).
- Erichson, 1839a: 618 (*Arpedium*; characters; Germany).
- Heer, 1839: 191 (*Acidota*; characters; Switzerland).
- Erichson, 1840: 858 (*Arpedium*; characters; Germany; Sweden).
- Redtenbacher, 1849: 748 (*Arpedium*; characters; Austria).
- Fairmaire and Laboulbène, 1856: 633 (*Arpedium*; characters; France).
- Redtenbacher, 1857: 246 (*Arpedium*; characters; Austria).
- Kraatz, 1857d: 958 (*Arpedium*; characters; Germany).
- Thomson, 1859: 49 (type species of *Arpedium*).
- Thomson, 1861: 189 (*Arpedium*; characters; Scandinavia).
- Hochhuth, 1862: 103 (*Arpedium*; Russia).
- Fauvel, 1871a: 112 [= 1872: 86] (*Arpedium*; characters; France; Italy; Russia).
- Fauvel, 1871a: 112 [= 1872: 86] (*Arpedium*; cited as *consimile* Gyllenhal; [**Note:** Misidentification of *consimile* Gyllenhal; see Note for Heer, 1834]; synonym of *quadrum*).
- Redtenbacher, 1874: 270 (*Arpedium*; characters; Austria).
- Seidlitz, 1875: 237 (*Arpedium*; characters; Baltic region).
- J. Sahlberg, 1876: 210 (*Arpedium*; Finland).
- Mulsant and Rey, 1880: 147 (*Arpedium*; characters; France).
- Ganglbauer, 1895: 718 (*Arpedium*; characters; north and middle Europe; North America).
- Ganglbauer, 1895: 718 (*Arpedium*; [**Note:** Misidentification of *consimile* Gyllenhal; see Note for Heer, 1834]; synonym of *quadrum*).
- Sainte-Claire Deville, 1907: 45 (*Arpedium*; characters; France).
- Reitter, 1909: 186 (*Arpedium*; characters; Germany).
- Bernhauer and Schubert, 1910: 68 (*Arpedium*; catalog).
- Bernhauer and Schubert, 1910: 68 (*Arpedium*; [**Note:** Misidentification of *consimile* Gyllenhal; see Note for Heer, 1834]; synonym of *quadrum*).
- Johansen, 1914: 600 (*Arpedium*; characters; Denmark).
- Portevin, 1929: 441 (*Arpedium*; characters; France).
- Munster, 1933: 258 (*Arpedium*; characters; Norway).
- Scheerpeltz, 1933: 1061 (*Arpedium*; catalog).
- Palm, 1948: 111 (*Arpedium*; characters; Sweden; Denmark; Norway; Finland).
- Horion, 1963: 117 (*Arpedium*; subgenus *Arpedium*; Russia; Finland Sweden; Norway; Denmark; Poland; Czech Republic; Slovakia; Hungary; Romania; Bosnia; Italy; France; Switzerland; Belgium; Holland; Germany; Austria).
- Lohse, 1964: 55 (*Arpedium*; characters; central Europe).
- Szujewski, 1968a: 712 (*Arpedium*; Poland).
- Osella and Zanetti, 1975: 88 (*Arpedium*; collected from nest of *Talpa europaea*; notes; Italy).
- Tóth, 1982: 82 (*Arpedium*; characters; Hungary).

- Campbell, 1984: 508 (*Arpedium*; characters).
- Segers, 1986: 22 (*Arpedium*; checklist of species; Belgium).
- Zanetti, 1987: 308 (*Arpedium*; characters; Italy).
- Lucht, 1987: 89 (*Arpedium*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; France; Benelux; Denmark; Sweden).
- Schülke and Uhlig, 1988: 3 (*Arpedium*; Germany).
- Boháč, 1993: 41 (*Arpedium*; Slovakia; Czech Republic).
- Vorst, Drost, and Cuppen, 1995 (*Arpedium*; Netherlands).
- Zanetti, 1995: 8 (*Arpedium*; Italy).
- Cibulskis, 1998: 67 (*Arpedium*; Latvia).
- Ryabukhin, 1999: 25 (*Arpedium*; catalog; habitat; distribution; northeastern Russia).
- Cibulskis, 1999: 35 (*Arpedium*; list; Latvia).

▲ **DISTRIBUTION:** Europe, Russia.

sibiricum Mannerheim, 1830: 52 (*Omalium*; Type locality: Barnaul Sibiriae).

- Mannerheim, 1831: 466 (*Omalium*; Siberia).
- Erichson, 1840: 860 (*Arpedium*; characters; Siberia).
- Motschulsky, 1858d: 72 (*Arpedium*; synonym of *quadrum*).
- Bernhauer and Schubert, 1910: 69 (*Arpedium*; catalog).
- Munster, 1933: 258 (*Arpedium*; synonym of *quadrum*).

heydeni Heer, 1839: 190 (*Acidota*; Type locality: Frugmatt; Mühlebachalp; Klausen; Berneralpen; Walliser Alpen).

- Kraatz, 1857d: 958 (*Arpedium*; [**Note:** Bernhauer and Schubert, 1910: 68 cited *heydeni* Kraatz as a synonym of *quadrum*; Kraatz attributed it to Heer]; characters; Germany).
- Fauvel, 1871a: 112 [= 1872: 86] (*Arpedium*; synonym of *quadrum*).
- Ganglbauer, 1895: 718 (*Arpedium*; synonym of *quadrum*).
- Bernhauer and Schubert, 1910: 68 (*Arpedium*; synonym of *quadrum*).

limbatum Gebler, 1848: 80 (*Arpedium*; Type locality: Barnaul).

- Bernhauer and Schubert, 1910: 68 (*Arpedium*; catalog).
- Munster, 1933: 258 (*Arpedium*; synonym of *quadrum*).

alpinum Fauvel, 1871a: 113 [= 1872: 87] (*Arpedium*; variety B of *quadrum*; Type locality: Savoie; Albertville; Switzerland; hautes Alpes allemandes et l'Europe boreale).

- Ganglbauer, 1895: 718 (*Arpedium*; variety of *quadrum*).
- Bernhauer and Schubert, 1910: 68 (*Arpedium*; variety of *quadrum*).
- Scheerpeltz, 1933: 1061 (*Arpedium*; variety of *quadrum*).
- Tóth, 1982: 83 (*Arpedium*; subspecies of *quadrum*; characters; Hungary).
- Zanetti, 1987: 308 (*Arpedium*; synonym of *quadrum*).

salaasi Munster, 1933, see: *Eucnecosum*.

schatzmayri Bernhauer, 1906, see: *Deliphrum*.

schwarzi Fauvel, 1878d: 225 [= 1878e: 61] (*Arpedium*; Type locality: Ohio, Ross Co.; [**Note:** See lectotype designation by Campbell, 1984]).

- Bernhauer and Schubert, 1910: 68 (*Arpedium*; catalog).
- Blatchley, 1910: 478 (*Arpedium*; cited as *schwarzii*; characters; Indiana).
- Campbell, 1984: 512 (*Arpedium*; lectotype designation; characters; Alabama; Arkansas; Illinois; Indiana; Kentucky; Louisiana; Massachusetts; Michigan; Missouri; New Jersey; New York; North Carolina; Ohio; Pennsylvania; South Carolina; Tennessee; Virginia).
- Downie and Arnett, 1996: 431 (*Arpedium*; characters; USA).

▲ **DISTRIBUTION:** USA.

sibiricum Mannerheim, 1830, see: *quadrum* Gravenhorst, 1806.

skalitzkyi Bernhauer, 1902, see: *Deliphrosoma*.

stillicidii† Scudder, 1895: 42 (*Arpedium*; pleistocene fossil, interglacial clays; Type locality: Scarboro, Ontario).

- Scudder, 1900a: 86 (*Arpedium*; Canada).

▲ **DISTRIBUTION:** Canada.

testaceum Mannerheim, 1843, see: *Pelecomalium*.

troglydites Kiesenwetter, 1847, see: *Eucnecosum*.

weiratheri Scheerpeltz, 1938, see: *Deliphrosoma*.

Artochia

[2 species; Nearctic Region]

Artochia Casey, 1894: 398, 400 (species included: *productifrons*). **TYPE SPECIES:** *Artochia productifrons* Casey, fixed by monotypy.

- Bernhauer and Schubert, 1910: 74 (world catalog; 1 species).
- Leng, 1920: 95 (catalog of North American species).
- Scheerpeltz, 1933: 1064 (world catalog supplement).
- Blackwelder, 1952: 63 (type species: *productifrons*).
- Moore, 1966: 48, 50 (characters; notes).
- Moore and Legner, 1975: 185 (catalog; North America north of Mexico).
- Moore and Legner, 1979: 181 (characters; notes).
- Newton, Thayer, Ashe, and Chandler, 2000: 339 (2 Nearctic species; notes; characters in key).

californica Bernhauer, 1912i: 679 (*Artochia*; Type locality: Kalifornien: Sugar Pine).

- Scheerpeltz, 1933: 1064 (*Artochia*; catalog).

▲ **DISTRIBUTION:** California.

productifrons Casey, 1894: 401 (*Artochia*; Type locality: California: Gilroy Springs, Santa Clara Co.).

- Bernhauer and Schubert, 1910: 74 (*Artochia*; catalog).
- Campbell and Davies, 1991: 90 (checklist of species; Alaska and Canada).

▲ **DISTRIBUTION:** California, British Columbia, Alaska.

Brathinus

[5 species; Nearctic and Palaeartic Region]

Brathinus LeConte, 1852a: 156 (species included: *nitidus*, *varicornis*). **TYPE SPECIES:** *Brathinus nitidus* LeConte, fixed by subsequent designation by R. Lucas, 1920: 149.

- Bernhauer and Schubert, 1910: 74 (world catalog; 2 species).
- Leng, 1918: 203 (removed from Scydmaenidae and placed in separate family).
- Scheerpeltz, 1933: 1065 (world catalog supplement).
- Blackwelder, 1952: 411 (type species).
- Hatch, 1957: 49, 52 (characters).
- Moore, 1966: 56 (not in Omaliinae).
- Hammond, 1971b: 63 (discussion of familial placement; belongs in the Omaliinae; notes; characters; key to species).
- Peck, 1975: 64 (zoogeography).
- Shibata, 1976: 96 (checklist of species of Japan).
- Thayer, 1985a (egg, larval and pupal characters; natural history notes; discussion of taxonomic position; note on larval parasite; place in Anthophagini).
- Frank, Habeck and Peck, 1987: 138 (key to North American species; distribution of species).
- Watanabe, 1990: 244 (characters; key to species of Japan).
- Campbell and Davies, 1991: 89 (checklist of species; Canada).
- Newton and Thayer, 1995: 294 (placed in Anthophagini).
- Downie and Arnett, 1996: 439 (characters; key to species of Northeastern North America).
- Newton, Thayer, Ashe, and Chandler, 2000: 339 (3 Nearctic species; notes; characters in key).

californicus Hubbard, 1894: 11 (*Brathinus*; Type locality: Lake Tahoe, Cala.; Sisson, Cala.).

- Scheerpeltz, 1933: 1065 (*Brathinus*; catalog).
- Hammond, 1971b: 68 (*Brathinus*; characters; California).
- Peck, 1975: 63 (*Brathinus*; habitat; California; Oregon; Washington; Idaho).
- Frank, Habeck and Peck, 1987: 138 (*Brathinus*; characters).

▲ **DISTRIBUTION:** USA.

japonicus Nakane, 1961, see: *oculatus* Lewis, 1886.

nitidus LeConte, 1852a: 157 (*Brathinus*; Type locality: Nova Scotia).

- Hubbard, 1894: 11 (*Brathinus*; characters).
- Bernhauer and Schubert, 1910: 74 (*Brathinus*; catalog).
- Hammond, 1971b: 67, 68 (*Brathinus*; characters; New Hampshire; Nova Scotia; Newfoundland).
- Peck, 1975: 59 (*Brathinus*; habitat; Newfoundland; Nova Scotia; Quebec; Alabama; Kentucky; Maine; Michigan; New Hampshire; New Jersey; New York; Tennessee; Virginia; West Virginia).
- Schwert and Morgan, 1980: 101 (*Brathinus*; late glacial fossil; New York).
- Steiner, 1981: 233 (*Brathinus*; collecting and natural history notes; Maryland).
- Holeski, 1985: 264 (*Brathinus*; collecting notes; Ohio).
- Thayer, 1985a (*Brathinus*; characters of egg, larva, pupa; life cycle; natural history notes).
- Morgan and Morgan, 1985: 1819 (*Brathinus*; middle Holocene fossil; Michigan).
- Frank, Habeck and Peck, 1987: 137, 138 (*Brathinus*; characters; collecting notes; Arkansas).
- Downie and Arnett, 1996: 439 (*Brathinus*; characters; USA).

▲ **DISTRIBUTION:** Canada, USA.

oculatus Lewis, 1886: 85 (*Brathinus*; Type locality: Yezo, district of the Ishikari River, Japan; [Note: See lectotype designation by Hammond, 1971b]).

- Hammond, 1971b: 68 (*Brathinus*; lectotype designation; characters; Japan).
- Watanabe and Sato, 1981: 618 (*Brathinus*; aedeagus illustration).
- Watanabe, 1990: 247 (*Brathinus*; characters; Japan).

▲ **DISTRIBUTION:** Japan, Russia [Note: Cited from Sakhalin in reference unavailable to me (Zerche, personal communication)].

japonicus Nakane, 1961: 3 (*Brathinus*; Type locality: Japan: Hokkaido: Sapporo).

- Nakane, 1963a: 82 (*Brathinus*; characters; habitus photograph; Japan).
- Hammond, 1971b: 68 (*Brathinus*; synonym of *oculatus*).
- Watanabe, 1990: 247 (*Brathinus*; synonym of *oculatus*).

shikokuensis Watanabe and Sato, 1981: 615 (*Brathinus*; Type locality: Japan: Shikoku: Ehime Pref.: Omogo-kei).

- Watanabe, 1990: 249 (*Brathinus*; characters; Japan).

▲ **DISTRIBUTION:** Japan.

varicornis LeConte, 1852a: 157 (*Brathinus*; Type locality: Utica).

- Hubbard, 1894: 11 (*Brathinus*; characters).
- Bernhauer and Schubert, 1910: 74 (*Brathinus*; catalog).
- Hatch, 1957: 53 (*Brathinus*; characters; Washington; Idaho; Oregon).
- Hammond, 1971b: 68 (*Brathinus*; characters; New York; Lake Superior; Massachusetts).
- Peck, 1975: 63 (*Brathinus*; habitat; Ontario; Quebec; Maine; Massachusetts; Michigan; New Hampshire; New Jersey; New York).
- Frank, Habeck and Peck, 1987: 138 (*Brathinus*; characters; Vermont; Connecticut).
- Downie and Arnett, 1996: 439 (*Brathinus*; cited as *picticornis*; characters; USA).

▲ **DISTRIBUTION:** Canada, USA.

Camioleum

[2 species; Palaearctic Region]

Camioleum Lewis, 1893: 394 (species included: *loripes*). **TYPE SPECIES:** *Camioleum loripes* Lewis, fixed by monotypy.

- Watanabe, 1991: 66 (key).
- Bernhauer and Schubert, 1910: 65 (world catalog; 1 species).
- Winkler, 1925: 333 (catalog for Palaearctic region).
- Blackwelder, 1952: 411 (type species: *loripes*).
- Hammond, 1971b: 69 (placement in Omaliinae affirmed; in Anthophagini, *Anthobium* group; close affinities with and possible synonym of *Anthobium*).

- Tikhomirova, 1973a: 139 (checklist of species of USSR).
- Shibata, 1976: 98 (cited as *Camioleum*; placed in Omaliinae; checklist of species of Japan).
- Smetana, 1985a: 301 (characters).
- Watanabe, 1990: 116 (characters; species of Japan).

loripes Lewis, 1893: 395 (*Camioleum*; Type locality: Japan: main Island, near Kashiwagi; [Note: See lectotype designation by Hammond, 1971b]).

- Bernhauer and Schubert, 1910: 65 (*Camioleum*; catalog).
- Watanabe, 1991: 66 (*Camioleum*; key).
- Hammond, 1971b: 69 (*Camioleum*; assignment to the Omaliinae confirmed; lectotype designation; characters).
- Smetana, 1985a: 303 (*Camioleum*; characters; Japan).
- Watanabe, 1990: 119 (*Camioleum*; characters; Japan).

▲ **DISTRIBUTION:** Japan.

yasutoshii Watanabe, 1991: 63 (*Camioleum*; Type locality: Taiwan: Nantou Hsien, Sungchuankang, 2400 m).

▲ **DISTRIBUTION:** Taiwan.

Cylletron

[1 species; Palaearctic Region]

Cylletron Thomson, 1859: 49 (species included: *nivale*; [Note: This generic name can be accepted as available in 1859 if the description is considered to refer to both the genus and species. If not, then the name became available in 1861 when Thomson provided a separate description for each name and designated the type species by monotypy]). **TYPE SPECIES:** *Cylletron nivale* Thomson, fixed by original designation and monotypy.

- Thomson, 1861: 190 (characters).
- Gemminger and Harold, 1868: 663 (synonym of *Porrhodites*).
- Fauvel, 1869: 493 (valid genus).
- Fauvel, 1875a: VI [= 1875b: 208] (catalog).
- Heyden, 1880: 82 (list of species of Siberian region).
- Heyden, Reitter, and Weise, 1891: 119 (list of species of Europe and Caucasus).
- Heyden, Reitter, and Weise, 1906: 132 (list of species of Europe and Caucasus).
- Bernhauer and Schubert, 1910: 62 (world catalog; 1 species).
- Winkler, 1925: 332 (catalog for Palaearctic region).
- Scheerpeltz, 1933: 1053 (world catalog supplement).
- Palm, 1948: 91 (characters; species of Sweden).
- Blackwelder, 1952: 115 (type species: *nivale*).
- Tikhomirova, 1973a: 139 (checklist of species of USSR).
- Muona, 1979: 18 (list of Scandinavian species).
- Muona and Viramo, 1986: 15 (list of species of northeastern Finland).
- Silfverberg, 1992: 22 (list of species of Fennoscandia, Denmark, and the Baltic States).

hyperboreum Mäklin, 1880, see: *Coryphiomorphus*.

nivale Thomson, 1859: 49 (*Cylletron*; Type locality: Not cited, see Thomson, 1861: 191).

- Thomson, 1861: 191 (*Cylletron*; characters; Type locality: Lappland).
- Seidlitz, 1875: 239 (*Cylletron*; characters; Baltic region).
- J. Sahlberg, 1876: 211 (*Cylletron*; Finland).
- Mäklin, 1880: 84 (*Cylletron*, cited as *Cyllethro*; characters).
- Seidlitz, 1891: 344 (*Cylletron*; characters; Europe).
- Seidlitz, 1891a: 366 (*Cylletron*; characters; Europe).
- Poppius, 1909: 5 (*Cylletron*; Lena Valley, Siberia).
- Bernhauer and Schubert, 1910: 62 (*Cylletron*; catalog).
- Scheerpeltz, 1933: 1053 (*Cylletron*; catalog).
- Palm, 1948: 92 (*Cylletron*; characters; Sweden; Norway; Finland).

▲ **DISTRIBUTION:** Finland, Russia.

Deinopteroloma

[13 species; Nearctic, Palaearctic, and Oriental Regions]

- Deinopteroloma* Jansson, 1947: 15 (species included: *diabolica*, *semiflava*). **TYPE SPECIES:** *Deinopteroloma diabolica* Jansson, fixed by original designation.
- Smetana, 1985: 471, 472 (member of the Omaliinae; characters; key to species).
 - Smetana, 1990b: 258 (key to species).
 - Campbell and Davies, 1991: 91 (checklist of species; Alaska and Canada).
 - Newton, Thayer, Ashe, and Chandler, 2000: 339 (2 Nearctic species; notes; characters in key).
- Mathrilaenum* Moore, 1966: 48, 53 (species included: *pictum*, *subcostatum*; key to species).
- TYPE SPECIES:** *Lathrimaenum pictum* Fauvel, fixed by original designation.
- Moore and Legner, 1975: 195 (catalog; North America north of Mexico).
 - Moore and Legner, 1979: 183 (characters; notes).
 - Smetana, 1985: 472 (synonym of *Deinopteroloma*).
- chiangi** Smetana, 1990b: 257 (*Deinopteroloma*; Type locality: Taiwan: Taoyuan Hsien, Takuanshan For., 1600 m).
- ▲ **DISTRIBUTION:** Taiwan.
- crenatum** Smetana, 1985: 490 (*Deinopteroloma*; Type locality: Nepal: Khandbari Distr.: For. N.E. Kuwapani, 2500 m).
- Smetana, 1990b: 259 (*Deinopteroloma*; characters).
- ▲ **DISTRIBUTION:** Nepal.
- cristatum** Smetana, 1986a: 48 (*Deinopteroloma*; Type locality: Nepal: distr. Kathmandu: Phulcoki, 2500 m).
- Smetana, 1990b: 259 (*Deinopteroloma*; characters).
- ▲ **DISTRIBUTION:** Nepal.
- diabolicum** Jansson, 1947: 16 (*Deinopteroloma*; Type locality: Kambaiti, 7000 feet).
- Smetana, 1985: 495 (*Deinopteroloma*; characters; Burma).
 - Smetana, 1990b: 258 (*Deinopteroloma*; characters).
- ▲ **DISTRIBUTION:** Myanmar.
- egregium** Smetana, 1985: 493 (*Deinopteroloma*; Type locality: Nepal: Khandbari District: Pass N.E. Mangmaya, 2300 m).
- Smetana, 1990b: 260 (*Deinopteroloma*; characters).
- ▲ **DISTRIBUTION:** Nepal.
- hamatum** Smetana, 1996e: 79 (*Deinopteroloma*; Type locality: China: Kuantun, Fukien).
- ▲ **DISTRIBUTION:** China.
- humerale* Casey, 1886, see: *subcostatum* Mäklin, 1852.
- insigne** Smetana, 1985: 495 (*Deinopteroloma*; Type locality: Nepal: Khandbari District: For. N.E. Kuwapani, 2500 m).
- Smetana, 1990b: 259 (*Deinopteroloma*; characters).
- ▲ **DISTRIBUTION:** Nepal.
- notabile** Cameron, 1941: 59 (*Lathrimaenum*; subgenus *Prionothorax*; Type locality: Darjeeling: Ghum district).
- Smetana, 1985: 487 (*Deinopteroloma*; characters; Nepal; India).
 - Smetana, 1990b: 259 (*Deinopteroloma*; characters).
- ▲ **DISTRIBUTION:** India, Nepal.
- pictum** Fauvel, 1878d: 233 [= 1878e: 69] (*Lathrimaenum*; Type locality: Californie, Mariposa; [Note: See lectotype designation by Smetana, 1985]).
- Bernhauer and Schubert, 1910: 65 (*Lathrimaenum*; catalog).
 - Hatch, 1957: 65 (*Anthobium*; characters; British Columbia; Oregon).
 - Moore, 1966: 53 (*Mathrilaenum*).
 - Smetana, 1985: 482 (*Deinopteroloma*; lectotype designation; characters; California; Oregon; Washington; British Columbia).
 - Smetana, 1990b: 259 (*Deinopteroloma*; characters).
- ▲ **DISTRIBUTION:** Canada, USA.

- semiflavum** Jansson, 1947: 17 (*Deinopteroloma*; Type locality: Kambaiti, 7000 feet).
 — Smetana, 1985: 485 (*Deinopteroloma*; characters; Burma).
 — Smetana, 1990b: 259 (*Deinopteroloma*; characters).
 ▲ **DISTRIBUTION:** Myanmar.
- spectabile** Smetana, 1985: 490 (*Deinopteroloma*; Type locality: Nepal: Kathmandu District: Phulcoki, 2550 m).
 — Smetana, 1990b: 260 (*Deinopteroloma*; characters).
 ▲ **DISTRIBUTION:** Nepal.
- subcostatum** Mäklin, 1852: 320 (*Lathrimaeum*; Type locality: insula Sitkha; [**Note:** See lectotype designation by Smetana, 1985]).
 — Fauvel, 1878d: 234 [= 1878e: 70] (*Lathrimaeum*; characters; Alaska).
 — Bernhauer and Schubert, 1910: 65 (*Trigonurus*; catalog).
 — Scheerpeltz, 1933: 1056 (*Lathrimaeum*; catalog).
 — Hatch, 1957: 65 (*Anthobium*; characters; British Columbia; Washington; Oregon).
 — Moore, 1966: 53 (*Mathrilaem*).
 — Smetana, 1985: 480 (*Deinopteroloma*; lectotype designation; characters; California; Oregon; Washington; British Columbia; Alaska).
 — Smetana, 1990b: 259 (*Deinopteroloma*; characters).
 ▲ **DISTRIBUTION:** Canada, USA.
- humerale* Casey, 1886: 243 (*Lathrimaeum*; Type locality: California: Humboldt Co.).
 — Bernhauer and Schubert, 1910: 65 (*Lathrimaeum*; catalog).
 — Scheerpeltz, 1961c: 73 (*Lathrimaeum*; synonym of *subcostatum*).
 — Smetana, 1985: 480 (*Deinopteroloma*; synonym of *subcostatum*).
- tricuspidatum** Smetana, 1996e: 77 (*Deinopteroloma*; Type locality: China: Kuantun, Fukien).
 ▲ **DISTRIBUTION:** China.

Deliphrosoma

[18 species; Palaearctic Region]

- Deliphrosoma* Reitter, 1909: 180, 187 (species included: *macrocephalum*, *fratellum*, *skalitzkyi*, *prolongatum*). **TYPE SPECIES:** *Lathrimaeum macrocephalum* Eppelsheim, fixed by original designation.
 — Winkler, 1925: 334 (catalog for Palaearctic region; subgenus of *Arpedium*).
 — Scheerpeltz, 1937b: 189 (subgenus to *Arpedium*; key to Palaearctic species).
 — Scheerpeltz, 1938: 229 (subgenus to *Arpedium*; key to species).
 — Blackwelder, 1952: 119 (type species: *macrocephala*).
 — Lohse, 1963: 170 (valid genus).
 — Horion, 1963: 120 (subgenus of *Arpedium*; list of central European species).
 — Lohse, 1964: 57 (characters; key to central European species).
 — Scheerpeltz, 1968a: 15 (catalog of Austrian species).
 — Tikhomirova, 1973a: 140 (checklist of species of USSR).
 — Zanetti, 1987: 324 (characters; habitus; key to species of Italy).
 — Zerche, 1991 (characters; revision of species; checklist of and key to species; distribution).
 — Zanetti, 1995: 8 (in list of species of Italy).
 — Bordoni, 2000a: 268 (distribution of genus in Turkey).
- australe* Zerche, 1998, see: *prolongatum* Rottenberg, 1873.
- bakhtiyariense** Zerche, 1991: 326 (*Deliphrosoma*; Type locality: Iran Bakhtiyari, N-E du Zardeh-Kuh, 2700 m, 32°23'N/50°07'E).
 ▲ **DISTRIBUTION:** Iran.
- balcanicum* Zerche, 1998, see: *prolongatum* Rottenberg, 1873.
- bulgaricum** Zerche, 1998a: 246 (*Deliphrosoma*; Type locality: Bulgarien, Rila-Gebirge: SW Ribni Ezera, 2200 m, 42°07'10 N, 23°29'36 E).
 ▲ **DISTRIBUTION:** Bulgaria.
- creticum* Scheerpeltz, 1958, see: *fratellum* Rottenberg, 1874.

fratellum Rottenberg, 1874: 330 (*Lathrimaenum*; Type locality: Taygetos; [Note: See lectotype designation by Zerche, 1991]).

- Reitter, 1909: 187 (*Deliphrosoma*; characters; Greece).
- Bernhauer and Schubert, 1910: 68 (*Arpedium*; catalog).
- Scheerpeltz, 1933: 1060 (*Arpedium*; catalog).
- Scheerpeltz, 1937b: 189 (*Arpedium*; subgenus *Deliphrosoma*; characters; Aegean Sea region; Greece; Crete; Asia Minor).
- Scheerpeltz, 1938: 230 (*Arpedium*; subgenus *Deliphrosoma*; characters in key; Aegean Sea region; Greece; Macedonia; Asia Minor ?; Crete ?).
- Scheerpeltz, 1958a: 7 (*Arpedium*; subgenus *Deliphrosoma*; characters).
- Bordoni, 1984: 335 (*Deliphrosoma*).
- Zanetti, 1984: 77 (*Deliphrosoma*; notes; Bulgaria).
- Zerche, 1991: 322 (*Deliphrosoma*; lectotype designation; characters; Greece; Montenegro; Serbia).
- Zerche, 1997: 51 (*Deliphrosoma*; Greece).
- Bordoni, 1999a: 202 (*Deliphrosoma*; notes).

▲ **DISTRIBUTION:** Greece, Bosnia Hercegovina, Yugoslavia, Albania.

major Bernhauer, 1902d: 702 (*Arpedium*; Type locality: Griechenland, Veluchi; [Note: See lectotype designation by Zerche, 1991]).

- Bernhauer and Schubert, 1910: 68 (*Arpedium*; synonym of *fratellum*).
- Gridelli, 1924a: 39 (*Deliphrosoma*; cited as *major*; cited as valid species; characters; Albania).
- Scheerpeltz, 1933: 1060 (*Arpedium*; variety of *fratellum*).
- Scheerpeltz, 1937b: 190 (*Arpedium*; subspecies of *fratellum*).
- Scheerpeltz, 1938: 230 (*Arpedium*; subgenus *Deliphrosoma*; subspecies of *fratellum*; characters in key).
- Scheerpeltz, 1958a: 7 (*Arpedium*; subgenus *Deliphrosoma*; subspecies of *fratellum*; characters).
- Bordoni, 1984: 335 (*Deliphrosoma*; subspecies of *fratellum*).
- Zanetti, 1984: 77 (*Deliphrosoma*; macrophthalmic form of *fratellum*).
- Zerche, 1991: 322 (*Deliphrosoma*; lectotype designation; synonym of *fratellum*).

creticum Scheerpeltz, 1958a: 7 (*Arpedium*; subgenus *Deliphrosoma*; Type locality: Gebirge der Insel Kreta; [Note: See lectotype designation by Zerche, 1991]).

- Bordoni, 1984: 335 (*Deliphrosoma*).
- Zerche, 1991: 322 (*Deliphrosoma*; lectotype designation; synonym of *fratellum*).

freudeorum Zerche, 1996: 175 (*Deliphrosoma*; Type locality: Türkei: Nemrut Dag, bei Malathya, 2000 m).

▲ **DISTRIBUTION:** Turkey.

kopdagense Bordoni, 1999b: 196 (*Deliphrosoma*; Type locality: Turchia: Erzurum, Kopdagi gecidi, 2390 m).

- Bordoni, 2000a: 268 (*Deliphrosoma*; comparison to *lothari*).

▲ **DISTRIBUTION:** Turkey.

libanicum Fauvel, 1875a: VI [= 1875b: 208] (*Arpedium*; Type locality: Liban, Djebel-Zebdani).

- Bernhauer and Schubert, 1910: 68 (*Arpedium*; catalog).
- Bordoni, 1984: 332 (*Deliphrosoma*; characters; Lebanon).
- Zerche, 1991: 326 (*Deliphrosoma*; Lebanon).

▲ **DISTRIBUTION:** Lebanon.

lindbergi Scheerpeltz, 1958a: 4 (*Arpedium*; subgenus *Deliphrosoma*; Type locality: Ahlat, Grotte, de Soltan Séit; [Note: See lectotype designation by Zerche, 1991]. Originally cited as Nordwestufer des Van-Sees, Armenien in der "Grotte de Sultan Seit").

- Bordoni, 1984: 335 (*Deliphrosoma*).
- Zerche, 1991: 324 (*Deliphrosoma*; lectotype designation: Ahlat, Grotte, de Soltan Séit; characters).
- Bordoni, 1999a: 201 (*Deliphrosoma*; notes; Turkey).

▲ **DISTRIBUTION:** Turkey.

lothari Bordoni, 2000a: 265 (*Deliphrosoma*; Type locality: Türkei: Anatolien, Erzurum, Kop-Gec, 2300 m).

▲ **DISTRIBUTION:** Turkey.

macrocephalum Eppelsheim, 1873: 86 (*Lathrimaeum*; Type locality: Franzenshöhe, 6700'; [Note: See lectotype designation by Zerche, 1991]. Originally cited as Tirol).

- Fauvel, 1876a: 51 [= 1876: 236] (*Arpedium*; characters; France; Tirol).
 - Mulsant and Rey, 1880: 150 (*Arpedium*; characters; France).
 - Ganglbauer, 1895: 719 (*Arpedium*; characters; Europe).
 - Reitter, 1909: 187 (*Deliphrosoma*; type of genus; characters; Alps; Herzegowina, Greece).
 - Bernhauer and Schubert, 1910: 68 (*Arpedium*; catalog).
 - Scheerpeltz, 1933: 1061 (*Arpedium*; catalog).
 - Horion, 1935: 173 (*Arpedium*; subgenus *Deliphrosoma*; Austria).
 - Scheerpeltz, 1938: 229 (*Arpedium*; subgenus *Deliphrosoma*; characters in key; Alps; Balkan region).
 - Scheerpeltz, 1958a: 6 (*Arpedium*; subgenus *Deliphrosoma*; characters).
 - Horion, 1963: 120 (*Arpedium*; subgenus *Deliphrosoma*; France; Italy; Switzerland; Slovenia; Dalmatia; Bosnia Hercegovina; Croatia; Germany; Austria).
 - Lohse, 1964: 57 (*Deliphrosoma*; characters; central Europe).
 - Jarrige, 1968b: 74 (*Arpedium*; subgenus *Deliphrosoma*; France).
 - Tóth, 1982: 82 (*Arpedium*; characters).
 - Bordoni, 1984: 335 (*Deliphrosoma*).
 - Zanetti, 1987: 316 (*Deliphrosoma*; characters; Italy).
 - Lucht, 1987: 89 (*Deliphrosoma*; checklist; Germany; Austria).
 - Zerche, 1991: 316 (*Deliphrosoma*; lectotype designation: Franzenshöhe, 6700'; characters; France; Germany; Austria; Switzerland; Italy; Yugoslavia; Albania).
 - Zanetti, 1995: 8 (*Deliphrosoma*; Italy).
 - Zerche, 1997: 51 (*Deliphrosoma*; Croatia; Bosnia-Herzegowina; France).
- ▲ **DISTRIBUTION:** Germany, France, Switzerland, Italy, Austria, Croatia, Bosnia Hercegovina, Albania.

pechlaneri Lohse, 1963: 172 (*Deliphrosoma*; Type locality: Stuttgarter Hütte im Arlberggebiet in etwa 2000 m).

- Lohse, 1964: 57 (*Deliphrosoma*; characters; central Europe).
- Bordoni, 1984: 335 (*Deliphrosoma*).
- Lucht, 1987: 89 (*Deliphrosoma*; checklist; Austria).
- Zanetti, 1987: 317 (*Deliphrosoma*; synonym of *macrocephalum*).
- Zerche, 1991: 316 (*Deliphrosoma*; synonym of *macrocephalum*).
- Assing, Frisch, Kahlen, et al., 1998: 125 (*Deliphrosoma*; synonym of *macrocephalum*).
- Cibulskis, 1999: 36 (*Deliphrosoma*; list; Latvia).

major Bernhauer, 1902, see: *fratellum* Rottenberg, 1874.

majusculum Fagel, 1971, see: *mandli* Scheerpeltz, 1937.

mandli Scheerpeltz, 1937b: 187 (*Arpedium*; subgenus *Deliphrosoma*; Type locality: Bulgarien: ca. 1900 m Höhe im Massiv des Masalat im Schipka-Balkan; [Note: See lectotype designation by Zerche, 1991]).

- Scheerpeltz, 1938: 233 (*Arpedium*; subgenus *Deliphrosoma*; characters in key).
- Scheerpeltz, 1958a: 8 (*Arpedium*; subgenus *Deliphrosoma*; characters).
- Zerche, 1991: 319 (*Deliphrosoma*; lectotype designation; characters; Bulgaria; Turkey).
- Zerche, 1998a: 252 (*Deliphrosoma*; Bulgaria).
- Bordoni, 1999a: 199, 201 (*Deliphrosoma*; characters; notes; Turkey).

▲ **DISTRIBUTION:** Bulgaria, Turkey.

majusculum Fagel, 1971: 125 (*Deliphrosoma*; Type locality: Anatolie occidentale: vilayet de Bursa, Uludagh, 1800–1900 m).

- Bordoni, 1984: 335 (*Deliphrosoma*).
- Zerche, 1991: 319 (*Deliphrosoma*; synonym of *mandli*).

morvani Jarrige, 1971: 489 (*Arpedium*; subgenus *Deliphrosoma*; Type locality: Iran: Man-zadéran, vallée de Chalus, versant N., 1700 m).

— Bordoni, 1984: 335 (*Deliphrosoma*).

— Zerche, 1991: 327 (*Deliphrosoma*; Iran).

▲ **DISTRIBUTION:** Iran.

pechlaneri Lohse, 1963, see: *macrocephalum* Eppelsheim, 1873.

pirinense Zerche, 1991: 323 (*Deliphrosoma*; Type locality: Bulgaria: Pirin-Gebirge, Hütte Wichren, 2050 m).

— Zerche, 1998a: 252 (*Deliphrosoma*; notes; Bulgaria).

▲ **DISTRIBUTION:** Bulgaria.

platyophthalmum C. Koch, 1937: 84 (*Arpedium*; subgenus *Deliphrosoma*; Type locality: Italy: Mte. Pollino, Lucania, a circa 2200 m).

— Scheerpeltz, 1938: 233 (*Arpedium*; subgenus *Deliphrosoma*; characters in key).

— Scheerpeltz, 1958a: 8 (*Arpedium*; subgenus *Deliphrosoma*; characters).

— Zanetti, 1978: 176 (*Deliphrosoma*; characters; notes; variation; Italy).

— Bordoni, 1984: 335 (*Deliphrosoma*).

— Zanetti, 1987: 318 (*Deliphrosoma*; characters; Italy).

— Zanetti, 1995: 8 (*Deliphrosoma*; Italy).

— Zerche, 1997: 51 (*Deliphrosoma*; Italy).

▲ **DISTRIBUTION:** Italy.

prolongatum Rottenberg, 1873: 204 (*Lathrimaeum*; Type locality: Altvater; [Note: See lectotype designation by Zerche, 1991]. Also cited from Melzer Grund im Riesengebirge).

— Ganglbauer, 1895: 723 (*Lathrimaeum*; characters; Europe).

— Reitter, 1909: 187 (*Deliphrosoma*; characters; Germany).

— Bernhauer and Schubert, 1910: 68 (*Arpedium*; catalog).

— Scheerpeltz, 1933: 1061 (*Arpedium*; catalog).

— Scheerpeltz, 1938: 232 (*Arpedium*; subgenus *Deliphrosoma*; characters in key).

— Scheerpeltz, 1958a: 8 (*Arpedium*; subgenus *Deliphrosoma*; characters).

— Horion, 1963: 120 (*Arpedium*; subgenus *Deliphrosoma*; Czech Republic; Slovakia; Carpathians; Germany; Austria).

— Lohse, 1964: 52 (*Lathrimaeum*; characters; central Europe).

— Zanetti, 1978: 176, 180 (*Deliphrosoma*; characters).

— Tóth, 1982: 79 (*Lathrimaeum*; characters).

— Bordoni, 1984: 335 (*Deliphrosoma*).

— Lucht, 1987: 88 (*Lathrimaeum*; checklist; Germany; Poland; Czechoslovakia; Austria).

— Zanetti, 1987: 318 (*Deliphrosoma*; characters).

— Zerche, 1991: 320 (*Deliphrosoma*; lectotype designation: Altvater; characters; Czech Republic; Slovakia; Germany; France; Switzerland; Italy; Austria; Bosnia; Bulgaria).

— Boháč, 1993: 41 (*Deliphrosoma*; Slovakia; Czech Republic).

— Zanetti, 1995: 8 (*Deliphrosoma*; Italy).

— Zerche, 1997: 51 (*Deliphrosoma*; Ukraine; Austria; Switzerland; France).

— Zerche, 1998a: 251 (*Deliphrosoma*; characters; key to subspecies).

— Assing, Frisch, Kahlen, et al., 1998: 125 (*Deliphrosoma*).

▲ **DISTRIBUTION:** Europe.

australe Zerche, 1998a: 247 (*Deliphrosoma*; subspecies of *prolongatum*; Type locality: Bulgarien: N-Pirin, Hütte Jaworow, 2060 m, 41°48'43 N, 23°22'14 E).

rhilense Zerche, 1998a: 248 (*Deliphrosoma*; subspecies of *prolongatum*; Type locality: Bulgarien: SW-Rila, Malak Metschi [Vrch], SW Hütte Makedonia, N-Seite, Biosphären-reservat Parangaliza, 2200 m, 42°02'41 N, 23°13'31 E).

balcanicum Zerche, 1998a: 249 (*Deliphrosoma*; subspecies of *prolongatum*; Type locality: Bulgarien: Stara Planina, Botev, Schneefeld, 2300 m).

vitoshense Zerche, 1998a: 250 (*Deliphrosoma*; subspecies of *prolongatum*; Type locality: Sofia: Vitoshka Gebirge, Malak Resen, 2000 m).

rhilense Zerche, 1998, see: *prolongatum* Rottenberg, 1873.

skalitzkyi Bernhauer, 1902d: 703 (*Arpedium*; subspecies of *fratellum*; Type locality: Caucasus, Araxesthal; [Note: See lectotype designation by Zerche, 1991]).

- Reitter, 1909: 187 (*Deliphrosoma*; characters; Caucasus).
- Bernhauer and Schubert, 1910: 68 (*Arpedium*; variety of *fratellum*).
- Scheerpeltz, 1933: 1061 (*Arpedium*; catalog).
- Scheerpeltz, 1938: 231 (*Arpedium*; subgenus *Deliphrosoma*; characters in key).
- Scheerpeltz, 1958a: 7 (*Arpedium*; subgenus *Deliphrosoma*; characters).
- Bordoni, 1984: 335 (*Deliphrosoma*).
- Zerche, 1991: 326 (*Deliphrosoma*; lectotype designation; Caucasus).
- Bordoni, 1999a: 202 (*Deliphrosoma*; notes).

▲ **DISTRIBUTION:** Azerbaijan.

turcicum Zerche, 1997: 49 (*Deliphrosoma*; Type locality: Armenia turcica, Gümüş Chana [= Gümüşhane, 40.26°N 39.26°O]).

▲ **DISTRIBUTION:** Turkey.

voschaense Zerche, 1998, see: *prolongatum* Rottenberg, 1873.

weiratheri Scheerpeltz, 1938: 231, 233 (*Arpedium*; subgenus *Deliphrosoma*; Type locality: westliches Kleinasien: Tmolos-Gebirge, Lydischer Taurus; [Note: See lectotype designation by Zerche, 1991]. Also cited from Barla-Gebirge; Akdagh-Gebirge; Owadjik-Gebirge im Pamphyliischen Taurus; Salbakos-Gebirge im Karischen Taurus).

- Scheerpeltz, 1958a: 7 (*Arpedium*; subgenus *Deliphrosoma*; characters).
- Bordoni, 1984: 335 (*Deliphrosoma*).
- Zerche, 1991: 327 (*Deliphrosoma*; lectotype designation: Tmolos Gebirge, Lydien, West Kleinasien).
- Bordoni, 1999a: 199 (*Deliphrosoma*; notes; Turkey).

▲ **DISTRIBUTION:** Turkey.

wunderlei Zerche, 1998a: 254 (*Deliphrosoma*; Type locality: Anatolien: Sivas, Kizildag-Gec., 2200 m, Schneefeldrand).

▲ **DISTRIBUTION:** Turkey.

Deliphrum

[5 species; Palaearctic Region]

Deliphrum Erichson, 1839a: 627 (species included: *tectum*). **TYPE SPECIES:** *Staphylinus tectus* Paykull, fixed by monotypy.

- Heer, 1839: 186 (characters).
- Stephens, 1839: 422 (characters).
- Erichson, 1840: 872 (characters).
- Redtenbacher, 1849: 750 (characters).
- Schaum, 1852: 30 (list of species; Europe).
- Lacordaire, 1854: 142 (characters; notes; list of species).
- Fairmaire and Laboulbène, 1856: 637 (characters).
- Jacquelin du Val, 1857: 73 (characters).
- Redtenbacher, 1857: 249 (characters).
- Kraatz, 1857d: 951 (characters).
- Thomson, 1858: 38 (characters).
- G. Waterhouse, 1858: 31 (catalog of British species).
- Thomson, 1859: 50 (characters; type species: *tectum*).
- Schaum, 1859: 31 (catalog; European species).
- Thomson, 1861: 197 (characters).
- Gredler, 1863: 123 (list of species from Tirol).
- Wencker and Silbermann, 1866: 36 (list of species; collecting notes; France).
- Gemminger and Harold, 1868: 661 (catalog).
- Jacquelin du Val, 1868: 80 (catalog; European species).
- Fauvel, 1871a: 121 [= 1872: 95] (characters; key to species).

- Sharp, 1871d: 14 (list of British species).
 - Redtenbacher, 1874: 269 (characters).
 - Fauvel, 1875a:VI [= 1875b: 208] (catalog).
 - Mulsant and Rey, 1880: 110 (characters; key to French species).
 - Heyden, 1880: 81 (list of species of Siberian region).
 - Mäklin, 1881: 39 (characters).
 - Duvivier, 1883: 196 (catalog).
 - Fowler, 1888: 406 (notes; key to British species).
 - Heyden, Reitter, and Weise, 1891: 119 (list of species of Europe and Caucasus).
 - Casey, 1894: 419 (notes).
 - Heyden, 1893: 48 (list of species of Siberian region).
 - Ganglbauer, 1895: 723 (characters).
 - Heyden, 1896: 37 (list of species of Siberian region).
 - Luze, 1905c: 241 (characters; key to species).
 - Heyden, Reitter, and Weise, 1906: 133 (list of species of Europe and Caucasus).
 - Reitter, 1909: 188 (characters; key to German species).
 - Bernhauer and Schubert, 1910: 63 (world catalog; 6 species).
 - Johansen, 1914: 597 (characters).
 - Leng, 1920: 94 (catalog of North American species).
 - Winkler, 1925: 332 (catalog for Palaearctic region).
 - Porta, 1926: 25 (characters; key to species of Italy).
 - Portevin, 1929: 442 (characters; key to French genera).
 - Roubal, 1930: 312 (catalog; Slovakia).
 - Joy, 1932: 96 (key to British species).
 - Scheerpeltz, 1933: 1054 (world catalog supplement).
 - Kloet and Hincks, 1945: 161 (list of British species).
 - Palm, 1948: 98 (characters; species of Sweden).
 - Tottenham, 1949: 356, 407 (type species: *tectum* Paykull; list of British species).
 - Blackwelder, 1952: 119 (type species: *tectum*).
 - Tottenham, 1954: 29 (characters; British species).
 - Hatch, 1957: 50, 67 (characters; species of Pacific Northwest).
 - Horion, 1963: 102 (list of central European species).
 - Székessy, 1963: 19 (characters).
 - Lohse, 1964: 51 (characters; key to central European species).
 - Scheerpeltz, 1968a: 13 (catalog of Austrian species).
 - Moore, 1966: 55 (synonym of *Anthobium*).
 - Tikhomirova, 1973a: 139 (checklist of species of USSR).
 - Burakowski, Mroczkowski, and Stefańska, 1979: 53 (catalog; Poland).
 - Muona, 1979: 18 (list of Scandinavian species).
 - Tóth, 1982: 75 (characters; habitus; key to species of Hungary).
 - Zanetti, 1987: 285 (characters; habitus; species of Italy).
 - Muona and Viramo, 1986: 15 (list of species of northeastern Finland).
 - Silfverberg, 1992: 22 (list of species of Fennoscandia, Denmark, and the Baltic States).
 - Siitonen, 1993: 230 (list of Finnish species).
 - Boháč, 1993: 41 (list of species of Czech Republic and Slovakia).
 - Zanetti, 1995: 8 (list of species of Italy).
 - M. Hansen, 1996: 95 (list of Danish species).
- Arpediopsis* Ganglbauer, 1895: 723 (subgenus of *Deliphrum*; species included: *algidum*).
TYPE SPECIES: *Deliphrum algidum* Erichson, fixed by monotypy.
- Luze, 1905c: 246 (subgenus of *Deliphrum*; characters).
 - Heyden, Reitter, and Weise, 1906: 133 (subgenus of *Deliphrum*; list of species of Europe and Caucasus).
 - Bernhauer and Schubert, 1910: 63 (subgenus of *Deliphrum*).
 - Scheerpeltz, 1933: 1055 (subgenus of *Deliphrum*).
 - Blackwelder, 1952: 62 (type species: *algidum*).
 - Zanetti, 1987: 285 (subgenus of *Deliphrum*; characters; species of Italy).

Deliphron Agassiz, 1847: 118 (emendation of *Deliphrum*). **TYPE SPECIES:** *Staphylinus tectus* Paykull, by objective synonymy with *Deliphrum*.

— Blackwelder, 1952: 119 (type species).

aequicolle Casey, 1894, see: *Anthobium*.

algidum Erichson, 1840: 874 (*Deliphrum*; Type locality: montes Hercyniae).

— Redtenbacher, 1849: 829 (*Deliphrum*; characters).

— Redtenbacher, 1857: 249 (*Deliphrum*; characters; Germany).

— Kraatz, 1857d: 953 (*Deliphrum*; characters; Germany).

— Fauvel, 1865a: 318 [= 1865b: 68] (*Deliphrum*; habitat; France).

— Fauvel, 1871a: 122 [= 1872: 96] (*Deliphrum*; characters; France; Germany; Austria).

— Redtenbacher, 1874: 270 (*Deliphrum*; characters).

— Seidlitz, 1875: 236 (*Deliphrum*; characters; Baltic region).

— Mulsant and Rey, 1880: 115 (*Deliphrum*; characters; France).

— Ganglbauer, 1895: 724 (*Deliphrum*; subgenus *Arpediopsis*; characters; Austria; Germany; France).

— Luze, 1905c: 246 (*Deliphrum*; subgenus *Arpediopsis*; characters; Germany; Austria).

— Reitter, 1909: 188 (*Deliphrum*; subgenus *Arpediopsis*; characters; Germany).

— Bernhauer and Schubert, 1910: 63 (*Deliphrum*; catalog).

— Portevin, 1929: 442 (*Deliphrum*; characters; France).

— Scheerpeltz, 1933: 1055 (*Deliphrum*; catalog).

— Horion, 1963: 104 (*Deliphrum*; France; Switzerland; Italy; Austria; Germany; Slovakia; Czech Republic).

— Lohse, 1964: 51 (*Deliphrum*; characters; central Europe).

— Tóth, 1982: 76 (*Deliphrum*; characters).

— Zanetti, 1987: 288 (*Deliphrum*; subgenus *Arpediopsis*; characters; Italy).

— Lucht, 1987: 88 (*Deliphrum*; checklist; Germany; Poland; Czechoslovakia; Austria).

— Boháč, 1993: 41 (*Deliphrum*; Slovakia; Czech Republic).

— Zanetti, 1995: 8 (*Deliphrum*; Italy).

▲ **DISTRIBUTION:** Slovakia, Czech Republic, Austria, Italy, Switzerland, France, Germany.

schatzmayri Bernhauer, 1906: 123 (*Arpedium*; Type locality: Dobratschgebiet in Kärnten).

— Bernhauer, 1908b: 32 (*Deliphrum*; synonym of *algidum*).

— Bernhauer and Schubert, 1910: 64 (*Deliphrum*; synonym of *algidum*).

— Scheerpeltz, 1933: 1055 (*Deliphrum*; synonym of *algidum*).

— Zanetti, 1987: 288 (*Deliphrum*; synonym of *algidum*).

alticola Coiffait, 1977: 265 (*Deliphrum*; Type locality: Environs du col Mahidoela, 5000 m, région de Jumla, Népal occidentale).

▲ **DISTRIBUTION:** Nepal.

angustatus Erichson, 1840, see: *Orochares*.

arcticum Erichson, 1840, see: *Mannerheimia*.

creatoris Gozis, 1886, see: *Phyllodrepoidea*.

expansum LeConte, 1879, see: *Anthobium*.

frigidum J. Sahlberg, 1880: 108 (*Deliphrum*; Type locality: Tolstoinos).

— Luze, 1905c: 245 (*Deliphrum*; characters; Siberia; Altai).

— Bernhauer and Schubert, 1910: 64 (*Deliphrum*; catalog).

▲ **DISTRIBUTION:** Russia, Altai region.

laeve Gravenhorst, 1806, see: *tectum* Paykull, 1789.

micros Fauvel, 1900, see: *Mannerheimia*.

nepalicum Coiffait, 1977: 264 (*Deliphrum*; Type locality: Environs de Maharigaan, 3000–3500 m, région de Jumla, Népal occidentale).

▲ **DISTRIBUTION:** Nepal.

occiduum Casey, 1894, see: *Anthobium*.

schatzmayri Bernhauer, 1906, see: *algidum* Erichson, 1840.

tectum Paykull, 1789: 68 (*Staphylinus*; Type locality: Suecia).

- Paykull, 1792: 147 (*Staphylinus*; characters).
- Olivier, 1795:(42): 36 (*Staphylinus*; characters).
- Paykull, 1800: 411 (*Staphylinus*; characters; Sweden).
- Gravenhorst, 1806: 213 (*Omalium*; characters; Sweden).
- Gyllenhal, 1810: 202 (*Omalium*; characters).
- Olivier, 1811: 478 (*Omalium*; characters; Sweden).
- Gyllenhal, 1827: 464 (*Omalium*).
- C. Sahlberg, 1827: 278 (*Omalium*; characters; Finland).
- Zetterstedt, 1828: 49 (*Omalium*; characters; Lapland).
- Curtis, 1829: 28 (*Anthobium*; catalog; Britain).
- Mannerheim, 1830: 52 (*Omalium*; Finland; Sweden).
- Mannerheim, 1831: 466 (*Omalium*; Finland; Sweden).
- Stephens, 1834: 340 (*Anthobium*; characters; England).
- Lacordaire, 1835: 487 (*Omalium*; characters; France).
- Zetterstedt, 1838: 50 (*Omalium*; characters; habitat; Lapland; Sweden).
- Erichson, 1839a: 627 (*Deliphrum*; characters; Germany).
- Heer, 1839: 187 (*Deliphrum*; characters; Switzerland).
- Stephens, 1839: 426 (*Deliphrum*; characters; England).
- Erichson, 1840: 872 (*Deliphrum*; characters; Germany; Sweden).
- Laporte, 1840: 191 (*Omalium*; characters; France).
- Redtenbacher, 1849: 750 (*Deliphrum*; characters; Austria).
- Hardy, 1851: 58 (*Deliphrum*; notes; England).
- Fairmaire and Laboulbène, 1856: 638 (*Deliphrum*; characters; France).
- Redtenbacher, 1857: 249 (*Deliphrum*; characters; Austria).
- Kraatz, 1857d: 952 (*Deliphrum*; characters; Germany).
- Thomson, 1859: 50 (type species of *Deliphrum*).
- Thomson, 1861: 197 (*Deliphrum*; characters; Scandinavia).
- Hochhuth, 1862: 103 (*Deliphrum*; Russia).
- Fauvel, 1871a: 121 [= 1872: 95] (*Deliphrum*; characters; France; Scandinavia; Britain; Germany; Switzerland; Austria; Russia).
- Redtenbacher, 1874: 270 (*Deliphrum*; characters; Austria).
- Seidlitz, 1875: 236 (*Deliphrum*; characters; Baltic region).
- J. Sahlberg, 1876: 214 (*Deliphrum*; Finland).
- Mulsant and Rey, 1880: 117 (*Deliphrum*; characters; France).
- Fowler, 1888: 406 (*Deliphrum*; characters; Britain).
- Ganglbauer, 1895: 723 (*Deliphrum*; characters; north and middle Europe).
- Luze, 1905c: 245 (*Deliphrum*; characters; northern and central Europe; Siberia).
- Reitter, 1909: 188 (*Deliphrum*; characters; Germany).
- Bernhauer and Schubert, 1910: 64 (*Deliphrum*; catalog).
- Johansen, 1914: 597 (*Deliphrum*; characters; Denmark).
- Portevin, 1929: 442 (*Deliphrum*; characters; France).
- Scheerpeltz, 1933: 1055 (*Deliphrum*; catalog).
- Scheerpeltz and Höfler, 1948: 153 (*Deliphrum*; characters; fungus inhabitant).
- Palm, 1948: 98 (*Deliphrum*; characters; Sweden; Denmark; Norway; Finland).
- Horion, 1963: 102 (*Deliphrum*; Britain; Denmark; Norway; Sweden; Finland; Russia; Baltic States; Poland; Czech Republic; Slovakia; Romania; Bosnia; Italy; France; Switzerland; Germany; Austria).
- Lohse, 1964: 51 (*Deliphrum*; characters; central Europe).
- Smetana, 1964d: 54 (*Deliphrum*; subgenus *Deliphrum*; Czechoslovakia).
- Legner and Moore, 1977: 175 (*Anthobium*; found under bark).
- Pope, 1977: 22 (*Deliphrum*; Britain).
- Hammond, 1980: 136 (*Deliphrum*; Ireland).
- Filatova, 1981: 17 (*Deliphrum*; Russia).
- Tóth, 1982: 76 (*Deliphrum*; characters; Hungary).

- Zanetti, 1987: 286 (*Deliphrum*; subgenus *Deliphrum*; characters; Italy).
- Lucht, 1987: 88 (*Deliphrum*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; France; Denmark; Sweden).
- Boháč, 1993: 41 (*Xylostiba*; Slovakia; Czech Republic).
- Muona and Viramo, 1995: 9 (*Deliphrum*; collected from fungus and dung of dog, Reindeer, and *Ursus arctos*; Finland).
- Zanetti, 1995: 8 (*Deliphrum*; Italy).
- Ryabukhin, 1999: 21 (*Deliphrum*; catalog; habitat; distribution; northeastern Russia).
- Cibulskis, 1999: 35 (*Deliphrum*; list; Latvia).
- Kashcheev, 1999a: 57 (*Deliphrum*; Kazakhstan).
- ▲ **DISTRIBUTION:** Finland, Sweden, Ireland, Britain, Denmark, Germany, France, Switzerland, Italy, Austria, Hungary, Czechoslovakia, Poland, Russia.

laeve Gravenhorst, 1806: 211 (*Omalium*; Type locality: Borussia).

- Olivier, 1811: 477 (*Omalium*; characters; Prussia).
- Curtis, 1829: 29 (*Omalium*; catalog; Britain).
- Stephens, 1834: 352 (*Omalium*; characters; England).
- C. Sahlberg, 1830: 282 (*Omalium*; synonym of *laeviusculum* Gyllenhal).
- Erichson, 1839a: 628 (*Deliphrum*; synonym of *tectum*).
- Heer, 1839: 187 (*Deliphrum*; synonym of *tectum*).
- Stephens, 1839: 429 (*Omalium*; characters; England).
- Erichson, 1840: 872 (*Deliphrum*; synonym of *tectum*).
- Kraatz, 1857d: 952 (*Deliphrum*; synonym of *tectum*).
- Mulsant and Rey, 1880: 117 (*Deliphrum*; synonym of *tectum*).
- Ganglbauer, 1895: 723 (*Deliphrum*; synonym of *tectum*).
- Luze, 1905c: 245 (*Deliphrum*; synonym of *tectum*).
- Bernhauer and Schubert, 1910: 64 (*Deliphrum*; synonym of *tectum*).

Emodensia

[1 species; Palaearctic Region]

Emodensia Coiffait, 1977: 262 (species included: *nigra*). **TYPE SPECIES:** *Emodensia nigra* Coiffait, fixed by original designation.

nigra Coiffait, 1977: 263 (*Emodensia*; Type locality: Environs du Col Mahidacla, 5000 m, région de Jumla, Népal occidental).

▲ **DISTRIBUTION:** Nepal.

Eucnecosum

[4 species; Nearctic and Palaearctic Regions]

Eucnecosum Reitter, 1909: 186 (subgenus of *Arpedium*; species included: *brachypterum*, *gyl-lenhali*). **TYPE SPECIES:** *Omalium brachypterum* Gravenhorst, fixed by subsequent designation by Blackwelder, 1952: 154.

- Scheerpeltz, 1933: 1060 (subgenus of *Arpedium*).
- Lohse, 1963: 170 (valid genus).
- Horion, 1963: 117 (subgenus of *Arpedium*; list of central European species).
- Lohse, 1964: 56 (valid genus; characters; key to central European species).
- Scheerpeltz, 1968a: 15 (catalog of Austrian species).
- Steel, 1970a: 19 (cited as *Arpedium*; larval characters; biological notes).
- Tikhomirova, 1973a: 140 (checklist of species of USSR).
- Burakowski, Mroczkowski, and Stefańska, 1979: 62 (catalog; Poland).
- Muona, 1979: 18 (list of Scandinavian species).
- Uhlig and Vogler, 1981: 87 (cited as *Eucnecosum*; list of some species collected in Germany; habitat and collecting notes).
- Campbell, 1984: 489 (characters; revision of and key to North American species).
- Muona and Viramo, 1986: 15 (cited as valid genus; list of species of northeastern Finland).
- Zanetti, 1987: 311 (characters; habitus; key to species of Italy).
- Lohse and Lucht, 1989: 127 (notes).

- Campbell and Davies, 1991: 90 (checklist of species; Alaska and Canada).
- Silfverberg, 1992: 22 (list of species of Fennoscandia, Denmark, and the Baltic States).
- Zanetti, 1995: 8 (list of species of Italy).
- M. Hansen, 1996: 95 (list of Danish species).
- M. Hansen, Mahler, Palm, and Pedersen, 1996: 240 (additions to list of Danish species).
- Downie and Arnett, 1996: 431 (characters; key to species of Northeastern North America).
- Newton, Thayer, Ashe, and Chandler, 2000: 339 (3 Nearctic species; notes; characters in key).

Revelstokea Hatch, 1957: 49, 57 (species included: *hoppingi*). **TYPE SPECIES:** *Revelstokea hoppingi* Hatch, fixed by original designation and monotypy.

- Steel, 1964a: 250 (synonym of *Arpedium*).
- Campbell, 1984: 489 (synonym of *Eucnecosum*).

beringense Van Dyke, 1921, see: *brachypterum* Gravenhorst, 1802.

brachypterum Gravenhorst, 1802: 114 (*Omalium*; Type locality: Not cited, but presumably Brunsvigae; [**Note:** See lectotype designation by Campbell, 1984]).

- Latreille, 1804: 372 (*Omalium*; characters; Germany).
- Gravenhorst, 1806: 203 (*Omalium*).
- Olivier, 1811: 476 (*Omalium*; characters; Germany).
- Erichson, 1840: 859 (*Arpedium*; characters; Germany; Lapland; Finland).
- Redtenbacher, 1849: 828 (*Arpedium*; characters).
- Hardy, 1851: 56 (*Arpedium*; characters; notes; England).
- Redtenbacher, 1857: 246 (*Arpedium*; characters; Germany).
- Kraatz, 1857d: 959 (*Arpedium*; characters; Germany).
- Thomson, 1861: 189 (*Arpedium*; characters; Scandinavia).
- Fauvel, 1871a: 113 [= 1872: 87] (*Arpedium*; characters; Lapland; Scandinavia; Germany; Switzerland).
- Redtenbacher, 1874: 270 (*Arpedium*; characters).
- Seidlitz, 1875: 237 (*Arpedium*; characters; Baltic region).
- J. Sahlberg, 1876: 210 (*Arpedium*; Finland).
- Mulsant and Rey, 1880: 151 (*Arpedium*; characters; France).
- Fowler, 1888: 407 (*Arpedium*; characters; Britain).
- Poppius, 1909: 5 (*Arpedium*; Lena Valley, Siberia).
- Reitter, 1909: 187 (*Arpedium*; subgenus *Eucnecosum*; characters; Germany).
- Bernhauer and Schubert, 1910: 67 (*Arpedium*; catalog).
- Johansen, 1914: 601 (*Arpedium*; characters; Denmark).
- Munster, 1933: 259 (*Arpedium*; characters; Norway).
- Scheerpeltz, 1933: 1060 (*Arpedium*; catalog).
- West, 1937: 44 (*Arpedium*; Faroe Islands).
- Palm, 1948: 111 (*Arpedium*; characters; Sweden; Denmark; Norway; Finland).
- Smetana, 1963c: 292 (*Arpedium*; subgenus *Eucnecosum*; Mongolia).
- Horion, 1963: 117 (*Arpedium*; subgenus *Eucnecosum*; Britain; Norway; Sweden; Finland; Russia; Denmark; Estonia; Poland; Czechoslovakia; Romania; Bulgaria; Italy; Switzerland; Germany; Austria).
- Lohse, 1964: 56 (*Eucnecosum*; characters; central Europe).
- Smetana, 1968: 228 (*Arpedium*; subgenus *Eucnecosum*; Mongolia).
- Szujewski, 1969a: 248 (*Arpedium*; notes; Poland).
- Steel, 1970a: 19 (*Arpedium*; larval characters; biological notes).
- Ashworth, 1972: 214 (*Arpedium*; late-glacial subfossil; Britain).
- Smetana 1975c: 159 (*Arpedium*; Mongolia).
- Pope, 1977: 22 (*Arpedium*; Britain).
- Hammond, 1980: 136 (*Arpedium*; Ireland).
- Tóth, 1982: 83 (*Arpedium*; characters).
- Campbell, 1984: 491 (*Eucnecosum*; lectotype designation; characters; Manitoba; Northwest Territories; Yukon Territory; Alaska; Maine; New Hampshire).
- Zanetti, 1987: 312 (*Eucnecosum*; characters; Italy).
- Lucht, 1987: 89 (*Eucnecosum*; checklist; Germany; Poland; Czechoslovakia; Austria; Denmark; Sweden).

- Schülke and Uhlig, 1988: 3 (*Eucnecosum*; notes; Germany).
 - Siitonen, 1993: 230 (*Eucnecosum*; Finland).
 - Boháč, 1993: 41 (*Eucnecosum*; Slovakia; Czech Republic).
 - Zanetti, 1995: 8 (*Eucnecosum*; Italy).
 - Downie and Arnett, 1996: 431 (*Eucnecosum*; characters; USA).
 - Cibulskis, 1998: 67 (*Eucnecosum*; Latvia).
 - Ryabukhin, 1999: 25 (*Eucnecosum*; catalog; habitat; distribution; northeastern Russia).
 - Cibulskis, 1999: 36 (*Eucnecosum*; list; Latvia).
 - ▲ **DISTRIBUTION:** Faroe Islands, Europe, Russia, Mongolia, Canada, USA.
- impressum* Zetterstedt, 1828: 52 (*Omalium*; Type locality: Lapponia Tornensis: alpi Tornensis; Kattilakoski; Juhonpietis; Wittangi).
- Zetterstedt, 1838: 51 (*Omalium*; characters; habitat; Lapland).
 - Erichson, 1840: 859 (*Arpedium*; synonym of *brachypterum*).
 - Kraatz, 1857d: 959 (*Arpedium*; synonym of *brachypterum*).
 - Thomson, 1861: 190 (*Arpedium*; synonym of *brachypterum*).
 - Mulsant and Rey, 1880: 151 (*Arpedium*; synonym of *brachypterum*).
 - Ganglbauer, 1895: 718 (*Arpedium*; synonym of *brachypterum*).
 - Bernhauer and Schubert, 1910: 68 (*Arpedium*; synonym of *brachypterum*).
 - Munster, 1933: 259 (*Arpedium*; synonym of *brachypterum*).
 - Campbell, 1984: 491 (*Eucnecosum*; synonym of *brachypterum*).
- gyllenhalii* C. Sahlberg, 1830: 286 (*Omalium*; Type locality: Lapponia: Yläne).
- Mannerheim, 1830: 54 (*Anthobium*; Finland).
 - Mannerheim, 1831: 468 (*Anthobium*; Finland).
 - Erichson, 1840: 859 (*Arpedium*; synonym of *brachypterum*).
 - Redtenbacher, 1849: 828 (*Arpedium*; synonym of *brachypterum*).
 - Kraatz, 1857d: 959 (*Arpedium*; synonym of *brachypterum*).
 - Thomson, 1861: 190 (*Arpedium*; synonym of *brachypterum*).
 - Seidlitz, 1875: 237 (*Arpedium*; characters; Baltic region).
 - J. Sahlberg, 1876: 210 (*Arpedium*; synonym of *brachypterum*).
 - Ganglbauer, 1895: 718 (*Arpedium*; synonym of *brachypterum*).
 - Poppius, 1909: 6 (*Arpedium*; Lena Valley, Siberia).
 - Reitter, 1909: 187 (*Arpedium*; subgenus *Eucnecosum*; characters; Germany).
 - Bernhauer and Schubert, 1910: 68 (*Arpedium*; synonym of *brachypterum*).
 - Munster, 1933: 259 (*Arpedium*; variety of *brachypterum*).
 - Campbell, 1984: 491 (*Eucnecosum*; synonym of *brachypterum*).
- trogodytes* Kiesenwetter, 1847: 77 (*Arpedium*; Type locality: Riesengebirge).
- Redtenbacher, 1849: 828 (*Arpedium*; characters).
 - Redtenbacher, 1857: 246 (*Arpedium*; characters; Germany).
 - Kraatz, 1857d: 959 (*Arpedium*; characters; Germany).
 - Fauvel, 1871a: 113 [= 1872: 87] (*Arpedium*; characters; France).
 - Redtenbacher, 1874: 271 (*Arpedium*; characters).
 - Seidlitz, 1875: 237 (*Arpedium*; characters; Baltic region).
 - Mulsant and Rey, 1880: 152 (*Arpedium*; characters; France).
 - Ganglbauer, 1895: 718 (*Arpedium*; characters; Alps; Scotland; Caucasus).
 - Bernhauer and Schubert, 1910: 68 (*Arpedium*; synonym of *brachypterum*).
 - Portevin, 1929: 441 (*Arpedium*; probably a race of *brachypterum*; characters; France).
 - Munster, 1933: 259 (*Arpedium*; synonym of *brachypterum*).
 - Scheerpeltz, 1933: 1060 (*Arpedium*; synonym of *brachypterum*).
 - Lohse, 1964: 56 (*Eucnecosum*; synonym of *brachypterum*).
 - Campbell, 1984: 491 (*Eucnecosum*; synonym of *brachypterum*).
 - Zanetti, 1987: 312 (*Eucnecosum*; synonym of *brachypterum*).
- engadinicum* Heyden, 1863: 21 (*Arpedium*; Type locality: Bernina).
- Bernhauer and Schubert, 1910: 68 (*Arpedium*; synonym of *brachypterum*).
 - Campbell, 1984: 491 (*Eucnecosum*; synonym of *brachypterum*).

mixtum Bernhauer, 1902d: 702 (*Arpedium*; Type locality: Tartola, Samarovo, Fl. Konda, Fl. Irtisch, Leusch).

- Poppius, 1909: 6 (*Arpedium*; synonym of *tenue*).
- Bernhauer and Schubert, 1910: 69 (*Arpedium*; synonym of *tenue*).
- Campbell, 1984: 491 (*Eucnecosum*; synonym of *brachypterum*).

beringense Van Dyke, 1921: 162 (*Arpedium*; Type locality: St. George Island, Pribilof Islands, Alaska).

- Scheerpeltz, 1933: 1060 (*Arpedium*; catalog).
- Steel, 1964: 249 (*Arpedium*; synonym of *beringense*).
- Campbell, 1984: 491 (*Eucnecosum*; synonym of *brachypterum*).

brunnescens J. Sahlberg, 1871a: 423 (*Arpedium*; Type locality: Muonioniska).

- Zetterstedt, 1838: 52 (*Omalium*; [Note: Misidentification: Bernhauer and Schubert, 1910: 68 cited *gyllenhali* Zetterstedt as a synonym of *brunnescens* J. Sahlberg; Zetterstedt did not describe the species as new, he attributed it to Sahlberg]; characters; habitat; Finland).
- J. Sahlberg, 1876: 210 (*Arpedium*; characters; Finland).
- Fauvel, 1878d: 227 [= 1878e: 63] (*Arpedium*; variety of *tenue*; characters; Lake Superior; Lapland).
- Bernhauer and Schubert, 1910: 68 (*Arpedium*; catalog).
- Fall, 1926: 145 (*Arpedium*; Alaska).
- Munster, 1933: 264 (*Arpedium*; characters; Norway).
- Scheerpeltz, 1933: 1060 (*Arpedium*; catalog).
- Palm, 1948: 113 (*Arpedium*; characters; Sweden; Norway; Finland).
- Steel, 1964a: 249 (*Arpedium*; Canada; Alaska).
- Campbell, 1984: 501 (*Eucnecosum*; characters; Alberta; British Columbia; Manitoba; Northwest Territories; Labrador; Ontario; Quebec; Yukon Territory; Alaska; Colorado; Michigan; New York).
- Elias, 1991: 556 (*Eucnecosum*; Quaternary fossil collection; Colorado).
- Siitonen, 1993: 230 (*Eucnecosum*; Finland).
- Downie and Arnett, 1996: 432 (*Eucnecosum*; characters; Canada; USA).
- Lavoie, Elias, and Payette, 1997: 231 (*Eucnecosum*; Holocene fossil; subarctic Quebec).
- Ryabukhin, 1999: 27 (*Eucnecosum*; catalog; habitat; distribution; northeastern Russia).
- ▲ **DISTRIBUTION:** Norway, Finland, Canada, USA.

hoppingi Hatch, 1957: 49, 57 (*Revelstokea*; Type locality: Revelstoke Mt., B. C. [British Columbia]).

- Steel, 1964: 249 (*Arpedium*; synonym of *brunnescens*).
- Campbell, 1984: 501 (*Eucnecosum*; synonym of *brunnescens*).

engadinicum Heyden, 1863, see: *brachypterum* Gravenhorst, 1802.

gyllenhali C. Sahlberg, 1830, see: *brachypterum* Gravenhorst, 1802.

hoppingi Hatch, 1957, see: *brunnescens* J. Sahlberg, 1871.

impressum Zetterstedt, 1828, see: *brachypterum* Gravenhorst, 1802.

kittilense Munster, 1933, see: *tenue* LeConte, 1863.

meybohmi Lohse, 1963, see: *tenue* LeConte, 1863.

mixtum Bernhauer, 1902, see: *brachypterum* Gravenhorst, 1802.

norvegicum Munster, 1933, see: *tenue* LeConte, 1863.

puncticolle J. Sahlberg, 1880: 106 (*Arpedium*; Type locality: Spirina; Tschemaschevo; Tobolsk; Acinovo; Kurejka; Turuchansk).

- Poppius, 1909: 6 (*Arpedium*; Lena Valley, Siberia).
- Bernhauer and Schubert, 1910: 68 (*Arpedium*; catalog).
- Munster, 1933: 265 (*Arpedium*; characters; Russia).
- Palm, 1948: 111 (*Arpedium*; Siberia; Kola Peninsula).
- Tikhomirova, 1973a: 140 (*Eucnecosum*; checklist; northeastern Europe; Siberia).
- Muona, 1979: 18 (*Eucnecosum*; Finland; Russia).

— Silfverberg, 1992: 22 (*Eucnecosum*; Finland; Russia).

▲ **DISTRIBUTION:** Finland, Russia.

salaasi Munster, 1933, see: *tenue* LeConte, 1863.

tenue LeConte, 1863a: 55 (*Acidota*; Type locality: north shore of Lake Superior).

— Fauvel, 1878d: 226 [= 1878e: 62] (*Arpedium*; characters; Michigan; Lake Superior; British Columbia; Lapland; Siberia).

— Ganglbauer, 1895: 718 (*Arpedium*; [**Note:** Misidentification: Bernhauer and Schubert, 1910: 69 cited *brachypterum* Ganglbauer as a synonym of *tenue*; Ganglbauer did not describe the species as new, he attributed it to Gravenhorst]; characters; northern Europe; Switzerland; North America).

— Poppius, 1909: 6 (*Arpedium*; Lena Valley, Siberia).

— Bernhauer and Schubert, 1910: 69 (*Arpedium*; catalog).

— Bernhauer, 1926g: 2 (*Arpedium*; Kamchatka region).

— Scheerpeltz, 1933: 1061 (*Arpedium*; catalog).

— Hatch, 1957: 54 (*Arpedium*; characters; British Columbia).

— Campbell, 1984: 496 (*Eucnecosum*; characters; Alberta; British Columbia; Manitoba; Northwest Territories; Labrador; Ontario; Quebec; Saskatchewan; Yukon Territory; Alaska; Colorado; Michigan; Utah).

— Zanetti, 1987: 314 (*Eucnecosum*; characters; Italy).

— Elias, 1991: 556 (*Eucnecosum*; Quaternary fossil collection; Colorado).

— Siitonen, 1993: 230 (*Eucnecosum*; Finland).

— Zanetti, 1995: 8 (*Eucnecosum*; Italy).

— Downie and Arnett, 1996: 431 (*Eucnecosum*; characters; Canada; USA).

— Ryabukhin, 1999: 26 (*Eucnecosum*; catalog; habitat; distribution; northeastern Russia).

▲ **DISTRIBUTION:** Norway, Sweden, Finland, Russia, Austria, Italy, Canada, USA.

norvegicum Munster, 1933: 261 (*Arpedium*; Type locality: Norway [**Note:** No specific locality cited; on page 264 a paragraph gave a general distribution]).

— Palm, 1948: 112 (*Arpedium*; characters; Sweden; Norway; Finland).

— Lohse, 1964: 57 (*Eucnecosum*; characters; central Europe).

— Steel, 1964: 249 (*Arpedium*; synonym of *tenue*).

— Campbell, 1984: 496 (*Eucnecosum*; synonym of *tenue*).

— Lucht, 1987: 89 (*Eucnecosum*; checklist; Austria).

— Zanetti, 1987: 314 (*Eucnecosum*; synonym of *tenue*).

kittilense Munster, 1933: 261 (*Arpedium*; variety of *norvegicum*; Type locality: Norway).

— Palm, 1948: 113 (*Arpedium*; variety of *norvegicum*; characters; Sweden).

— Steel, 1964: 249 (*Arpedium*; synonym of *tenue*).

— Campbell, 1984: 496 (*Eucnecosum*; synonym of *tenue*).

saalasi Munster, 1933: 261, 263 (*Arpedium*; variety of *norvegicum*; [**Note:** Cited as *saalasi* on page 261 and as *salaasi* on page 263; the correct spelling is *saalasi* since the species was named for Uunio Saalas]; Type locality: Kittilä in Finnish Lapland).

— Campbell, 1984: 496 (*Eucnecosum*; synonym of *tenue*).

meybohmi Lohse, 1963: 171 (*Eucnecosum*; Type locality: Rätische Alpen, Heidelberger Hütte in etwa 2000 m).

— Lohse, 1964: 57 (*Eucnecosum*; synonym of *norvegicum*).

— Campbell, 1984: 496 (*Eucnecosum*; synonym of *tenue*).

— Zanetti, 1987: 314 (*Eucnecosum*; synonym of *tenue*).

troglydytes Kiesenwetter, 1847, see: *brachypterum* Gravenhorst, 1802.

Geodromicus

[123 species; Nearctic, Palaearctic, and Oriental Regions]

Geodromicus Redtenbacher, 1857: 244 (replacement name for *Geodromus* Heer; [**Note:** Redtenbacher cited it again in 1874 as replacement name]). **TYPE SPECIES:** *Staphylinus plagiatus* Fabricius, fixed by objective synonymy with *Geobius*.

- Jacquelin du Val, 1857: 70 (characters).
- Kraatz, 1857d: 925 (group of *Anthophagus*).
- G. Waterhouse, 1858: 31 (catalog of British species).
- Thomson, 1859: 48 (characters; type species: *plagiatus*).
- Schaum, 1859: 31 (subgroup of *Anthophagus*; catalog; European species).
- Thomson, 1861: 180 (characters).
- Gredler, 1863: 121 (list of species from Tirol).
- Gemminger and Harold, 1868: 657 (synonym of *Anthophagus*).
- Fauvel, 1871a: 132 [= 1872: 106] (characters; key to species).
- Sharp, 1871d: 14 (list of British species).
- Redtenbacher, 1874: 266 (characters).
- Fauvel, 1875a: VII [= 1875b: 209] (catalog).
- Fauvel, 1878d: 252 [= 1878e: 88] (key to North American species).
- Mulsant and Rey, 1880: 53 (characters; key to French species).
- Heyden, 1880: 81 (list of species of Siberian region).
- Fowler, 1888: 399 (notes; key to British species).
- Casey, 1894: 406 (notes; key to North American species).
- Seidlitz, 1891: 347 (key to some European species).
- Seidlitz, 1891a: 370 (key to some European species).
- Heyden, Reitter, and Weise, 1891: 118 (list of species of Europe and Caucasus).
- Ganglbauer, 1895: 710 (characters; key to middle European species).
- Luze, 1903: 103 (characters; key to species).
- Heyden, Reitter, and Weise, 1906: 135 (list of species of Europe and Caucasus).
- Reitter, 1909: 183 (characters; key to German species).
- Bernhauer and Schubert, 1910: 75 (world catalog; 26 species).
- Blatchley, 1910: 475 (characters).
- Petri, 1912: 55 (list of species of Siebenbürgen).
- Johansen, 1914: 587 (characters).
- Leng, 1920: 95 (catalog of North American species).
- Winkler, 1925: 335 (catalog for Palaearctic region).
- Cameron, 1925: 12, 104 (catalog of Indian species).
- Porta, 1926: 30 (characters; key to species of Italy).
- Portevin, 1929: 436 (characters; key to French species).
- Cameron, 1930: 160, 455 (characters; key to species of British India).
- Roubal, 1930: 316 (catalog; Slovakia).
- Joy, 1932: 98 (key to British species).
- Scheerpeltz, 1933: 1065 (world catalog supplement).
- Kloet and Hincks, 1945: 161 (list of British species).
- Palm, 1948: 121 (characters; species of Sweden).
- Tottenham, 1949: 358, 408 (type species: *plagiatus* Fabricius; list of British species).
- Blackwelder, 1952: 169 (type species).
- Tottenham, 1954: 35 (characters; key to British species).
- Hatch, 1957: 51, 69 (characters; key to species of Pacific Northwest).
- Fagel, 1958b (notes; key to European species).
- Smetana, 1959c (notes; key to species of Czechoslovakia).
- Palm, 1961: 155 (key to Swedish species).
- Horion, 1963: 133 (list of central European species).
- Lohse, 1964: 61 (characters; key to central European species).
- Moore, 1966: 48, 50 (characters; notes).
- Scheerpeltz, 1968a: 17 (catalog of Austrian species).
- Steel, 1970a: 21 (larval characters; biological notes).
- Tikhomirova, 1973a: 140 (checklist of species of USSR).
- Fagel, 1976: 382 (notes on type species; key to species of Turkey).
- Pope, 1977: 22 (list of British species).
- Topp, 1978: 309 (larval characters).
- M. Dvořák, 1979: 110 (some species collected in Slovakia).

- Bordoni, 1984a: 19 (characters; discussions; species of Palaearctic region).
- Zerche, 1987a (valid genus; senior generic name).
- Zanetti, 1987: 370 (synonym of *Psephidonus*).
- Iablokov-Khnzorian, 1989: 137 (key to species of Caucasus).
- Lohse and Lucht, 1989: 127 (notes).
- Watanabe, 1990: 265 (synonym of *Psephidonus*).
- Bordoni, 1990a: 100 (characters).
- Campbell and Davies, 1991: 91 (checklist of species; Alaska and Canada).
- Zerche, 1992a: 110, 139 (senior generic name, published September 24, 1856 not 1857; phylogenetic relationships).
- Silfverberg, 1992: 22 (synonym of *Psephidonus*).
- Zanetti, 1995: 9 (list of species of Italy).
- M. Hansen, 1996: 95 (list of Danish species).
- Newton, Thayer, Ashe, and Chandler, 2000: 339 (12 Nearctic species; notes; characters in key).
- Herman, 2001: 57 (discussion; date of publication after that of *Psephidonus*; evidence supports date of publication in 1857; request to Commission to place *Geodromicus* on Official List of Generic Names in Zoology).

Geobius Heer, 1839: 193 (species included: *plagiatus*, *kunzei*; **preoccupied** by Dejean, 1831, and Brullé, 1832). **TYPE SPECIES:** *Staphylinus plagiatus* Fabricius, fixed by subsequent designation (see Blackwelder, 1952: 169).

- Heer, 1841: 572 (notes).
- Jacquelin du Val, 1857: 70 (synonym of *Geodromicus*).
- Kraatz, 1857d: 925 (synonym of *Geodromicus*).
- Thomson, 1858: 37 (characters).
- Schaum, 1859: 31 (synonym of *Geodromicus*).
- Ganglbauer, 1895: 710 (synonym of *Geodromicus*).
- Luze, 1903: 103 (synonym of *Geodromicus*).
- Bernhauer and Schubert, 1910: 75 (synonym of *Geodromicus*).
- Cameron, 1930: 160 (synonym of *Geodromicus*).
- Zerche, 1987a (synonym of *Geodromicus*).
- Watanabe, 1990: 265 (synonym of *Psephidonus*).
- Zerche, 1992a: 110 (synonym of *Geodromicus*).

Geodromus Heer, 1841: 572 (**preoccupied** by Dejean, 1829; replacement name for *Geobius* Heer). **TYPE SPECIES:** *Staphylinus plagiatus* Fabricius, fixed by objective synonymy with *Geobius*.

- Redtenbacher, 1849: 747 (characters).
- Schaum, 1852: 30 (list of species; Europe).
- Fairmaire and Laboulbène, 1856: 629 (characters).
- Jacquelin du Val, 1857: 70 (synonym of *Geodromicus*).
- Kraatz, 1857d: 925 (synonym of *Geodromicus*).
- G. Waterhouse, 1858: 31 (synonym of *Geodromicus*).
- Jacquelin du Val, 1868: 79 (catalog; European species).
- Gemminger and Harold, 1868: 657 (synonym of *Anthophagus*).
- Ganglbauer, 1895: 710 (synonym of *Geodromicus*).
- Luze, 1903: 103 (synonym of *Geodromicus*).
- Bernhauer and Schubert, 1910: 75 (synonym of *Geodromicus*).
- Cameron, 1930: 160 (synonym of *Geodromicus*).
- Scheerpeltz, 1933: 1065 (synonym of *Geodromicus*).
- Blackwelder, 1952: 169 (type species).
- Zerche, 1987a (synonym of *Geodromicus*).
- Watanabe, 1990: 265 (synonym of *Psephidonus*).
- Zerche, 1992a: 110 (synonym of *Geodromicus*).

Psephidonus Gistel, 1856: 29 (species included: *kunzei*). **TYPE SPECIES:** *Geobius kunzei* Heer, fixed by monotypy.

- Blackwelder, 1952: 324 (type species: *kunzei*).

- Székessy, 1963: 22 (characters).
- Moore and Legner, 1975: 211 (catalog; North America north of Mexico).
- Shibata, 1976: 116 (checklist of species of Japan).
- Burakowski, Mroczkowski, and Stefańska, 1979: 68 (catalog; Poland).
- Moore and Legner, 1979: 194 (characters; notes).
- Muona, 1979: 18 (list of Scandinavian species).
- Tóth, 1982: 100 (characters; habitus; key to species of Hungary).
- Yuh, Paik, Kwon, and Lee, 1985: 225 (checklist of species of Korea).
- Muona and Viramo, 1986: 15 (list of species of northeastern Finland).
- Zerche, 1987a (synonym of *Geodromicus*).
- Zanetti, 1987: 370 (characters; habitus; key to species of Italy).
- Watanabe, 1990: 265 (characters; key to species of Japan).
- Angelini, 1991: 193 (list of species from high elevations of Calabria, Italy).
- Silfverberg, 1992: 22 (list of species of Fennoscandia, Denmark, and the Baltic States).
- Zerche, 1992a: 110 (synonym of *Geodromicus*; date of publication December 31, 1856).
- Siitonen, 1993: 230 (list of Finnish species).
- Boháč, 1993: 41 (cited as valid name; list of species of Czech Republic and Slovakia).
- Downie and Arnett, 1996: 434 (characters; key to species of Northeastern North America).
- Herman, 2001: 57, 83 (discussion; date of publication, February 18, 1856, preceded that of *Geodromicus*; request will be made to Commission to place *Psephidonus* on Official List of Rejected Names).

Brachydromicus Bordini, 1993: 157 (subgenus of *Geodromicus*; species included: *latiusculus*, *brevicollis*, *constrictus*). **TYPE SPECIES:** *Geodromicus latiusculus* Eppelsheim, fixed by original designation.

- Bordini, 1984a: 23, 24, 54 (subgenus of *Geodromicus*; [**Note:** Cited as a new subgenus but was an unavailable name because it lacked a type species designation (Article 13.3)]; characters).
- Zanetti, 1987: 370 (subgenus of *Psephidonus*; characters).
- Zerche, 1992a: 107, 110 (nomen nudum; synonym of *Geodromicus*).

abditus† Scudder, 1900: 77 (*Geodromicus*; fossil; Type locality: Florissant, Colorado).

- Handlirsch, 1907: 730 (*Geodromicus*; catalog; Miocene; Colorado).

▲ **DISTRIBUTION:** USA.

affinis Cameron, 1934: 17 (*Geodromicus*; Type locality: Indian Tibet: Kargil).

▲ **DISTRIBUTION:** India.

afghanicus Scheerpeltz, 1961b: 36 (*Geodromicus*; subgenus *Geodromicus*; Type locality: Afganistan: Panjao).

- Scheerpeltz, 1960b: 67 (*Geodromicus*; subgenus *Geodromicus*; Afghanistan).
- Scheerpeltz, 1963: 5 (*Geodromicus*; Afghanistan).
- Coiffait, 1982b: 83 (*Geodromicus*; note).
- Kashcheev, 1999c: 16 (*Geodromicus*; characters in key).

▲ **DISTRIBUTION:** Afghanistan.

alticola Cameron, 1945: 65 (*Geodromicus*; Type locality: Kashmir: Lianmarg, altitude 10,000 feet).

▲ **DISTRIBUTION:** India.

amamianus Watanabe, 1990: 284 (*Psephidonus*; Type locality: Japan: Kagoshima Pref.: Shinmura, Amami-Oshima Is.).

▲ **DISTRIBUTION:** Japan.

amnicola Champion, 1920: 246 (*Geodromicus*; Type locality: Sunderhunga in Kumaon).

- Cameron, 1924b: 173 (*Geodromicus*; characters in key; India).
- Cameron, 1930: 163 (*Geodromicus*; characters; India).
- Scheerpeltz, 1933: 1065 (*Geodromicus*; catalog).

▲ **DISTRIBUTION:** India.

- anatolicus** Fagel, 1976: 383 (*Geodromicus*; Type locality: S.O. Anatolien: Ost Taurus bei Sürgü).
— Bordini, 1984a: 38 (*Geodromicus*; Turkey).
▲ **DISTRIBUTION:** Turkey.
- antennatus* Reitter, 1890, see: *constricticollis* Eppelsheim, 1890.
- anthracinus* Brisout, 1863, see: *plagiatus* Fabricius, 1798.
- aokii** Watanabe, 1972: 111 (*Psephidonus*; Type locality: north cirque, alt. 1800 m, on Mt. Poroshiri-dake in the Hidaka mountains, Hokkaido).
— Watanabe, 1990: 291 (*Psephidonus*; characters; Japan).
— J. Li, 1993: 19 (*Psephidonus*; China).
▲ **DISTRIBUTION:** Japan, China.
- armeniacus** Iablokov-Khnzorian, 1989: 134 (*Geodromicus*; Type locality: ArmSSR: o. Sevlich. 3000 m nad ur. m. byshe Gorisa, u gory Mets Ishkhan).
▲ **DISTRIBUTION:** Armenia.
- arvernus* Sainte-Claire Deville, 1935, see: *kunzei* Heer, 1839.
- asiaticus** Bernhauer, 1902a: 249 (*Geodromicus*; Type locality: Kleinasien, Bulghar Maaden).
— Luze, 1903: 110 (*Geodromicus*; characters; Kleinasien).
— Bernhauer and Schubert, 1910: 75 (*Geodromicus*; catalog).
— Tikhomirova, 1973a: 140 (*Geodromicus*; checklist; Asia Minor).
— Bordini, 1984a: 36 (*Geodromicus*; characters; Turkey).
▲ **DISTRIBUTION:** Turkey.
- baerti** Bordini, 1984a: 52 (*Geodromicus*; subgenus *Geodromicus*; Type locality: Francia centrale: Auvergne, Cantal, Mont Dore).
▲ **DISTRIBUTION:** France.
- beibienkoi** Tikhomirova, 1973: 156 (*Geodromicus*; Type locality: Suputinskoi zapovednik; Kangauze; okrestnostiakh Vladivostoka; Kedrovaia pad).
— Kashcheev, 1999c: 16 (*Geodromicus*; characters in key).
▲ **DISTRIBUTION:** Russia.
- bodemeyeri** Bernhauer, 1902a: 250 (*Geodromicus*; Type locality: Kleinasien, Bulghar Maaden).
— Luze, 1903: 113 (*Geodromicus*; characters; Kleinasien).
— Bernhauer and Schubert, 1910: 75 (*Geodromicus*; catalog).
— Tikhomirova, 1973a: 140 (*Geodromicus*; checklist; Asia Minor).
— Bordini, 1984a: 42 (*Geodromicus*; characters; Turkey).
▲ **DISTRIBUTION:** Turkey.
- brancuccii** Coiffait, 1984: 142 (*Geodromicus*; Type locality: Pakistan: Sharan, 2400–2700 m).
▲ **DISTRIBUTION:** Pakistan.
- brevicollis** Fauvel, 1875a:vii [= 1875a: 209], note 7 (*Geodromicus*; proposed for Hochhuth's misidentification of *kunzei*; Type locality: Caucase).
— Hochhuth, 1849: 202 (*Anthrophagus*; [Note: Misidentification: Bernhauer and Schubert, 1910: 76 cited *kunzei* Hochhuth as a synonym of *globulicollis*; Hochhuth did not describe the species as new, he attributed it to Heer. However Fauvel, 1875a:vii proposed a name for Hochhuth's misidentification]; characters; Caucasus; Akhaltzik).
— Bernhauer and Schubert, 1910: 76 (*Geodromicus*; synonym of *globulicollis*).
— Bordini, 1984a: 55 (*Geodromicus*; valid species; characters; Caucasus).
— Iablokov-Khnzorian, 1989: 138 (*Geodromicus*; characters).
— Bordini, 1993: 157 (*Geodromicus*; subgenus *Brachydromicus*).
▲ **DISTRIBUTION:** Caucasus.
- brevitarsis** Champion, 1925: 104 (*Geodromicus*; Type locality: Shelshel, N. Kumaon, alt. 15,750 ft.).
— Cameron, 1930: 162 (*Geodromicus*; characters; India).
— Scheerpeltz, 1933: 1065 (*Geodromicus*; catalog).
▲ **DISTRIBUTION:** India.

brunneus Say, 1823: 158 (*Anthophagus*; Type locality: on the banks of the Missouri above the confluence of the Platte river).

- Erichson, 1840: 854 (*Anthophagus*; characters; Missouri).
- Provancher, 1877: 259 (*Anthophagus*; characters; Quebec).
- Fauvel, 1878d: 254 [= 1878e: 90] (*Geodromicus*; characters; Missouri).
- Casey, 1894: 407 (*Geodromicus*; notes).
- Bernhauer and Schubert, 1910: 75 (*Geodromicus*; catalog).
- Blatchley, 1910: 475 (*Geodromicus*; characters; Indiana).
- Notman, 1919a: 95 (*Geodromicus*; Ontario).
- Notman, 1920a: 180 (*Geodromicus*; New York).
- Downie and Arnett, 1996: 435 (*Psephidonus*; characters; USA).

▲ **DISTRIBUTION:** Canada, USA.

caesus Erichson, 1840: 853 (*Anthophagus*; Type locality: America septentrionalis).

- Fauvel, 1878d: 252 [= 1878e: 88] (*Geodromicus*; characters; Pennsylvania; Illinois; Missouri; Maryland; West Virginia).
- Casey, 1894: 407 (*Geodromicus*; synonym of *brunneus*).
- Bernhauer and Schubert, 1910: 75 (*Geodromicus*; synonym of *brunneus*).

caesus Erichson, 1840, see: *brunneus* Say, 1823.

caliginosus Sharp, 1889: 470 (*Anthophagus*; Type locality: Hiogo).

- Bernhauer and Schubert, 1910: 79 (*Anthophagus*; catalog).
- Scheerpeltz, 1933: 1065 (*Geodromicus*; catalog).
- Nakane, 1963a: 83 (*Psephidonus*; characters; habitus photograph; Japan).
- Yuh, Paik, Kwon, and Lee, 1985: 225 (*Psephidonus*; Korea).
- Watanabe, 1990: 288 (*Psephidonus*; characters; Japan).

▲ **DISTRIBUTION:** Japan.

lewisi Cameron, 1930c: 183 (*Geodromicus*; Type locality: Kobe: Shinowara).

- Scheerpeltz, 1933: 1066 (*Geodromicus*; catalog).
- Watanabe, 1990: 289 (*Psephidonus*; synonym of *caliginosus*).

canaliculatus Stephens, 1834, see: *globulicollis* Mannerheim, 1830.

caucasianus Bordoni, 1984a: 34 (*Geodromicus*; subgenus *Geodromicus*; Type locality: Caucaso occ.: Krasnaja Poljana).

▲ **DISTRIBUTION:** Russia.

championi Cameron, 1924b: 171, 174 (*Geodromicus*; Type locality: Chakrata District; Sainj Khud and Binal Gad, 6500 to 8000 feet).

- Cameron, 1930: 163 (*Geodromicus*; characters; India).
- Scheerpeltz, 1933: 1065 (*Geodromicus*; catalog).

▲ **DISTRIBUTION:** India.

chinensis Bernhauer, 1938: 19 (*Geodromicus*; Type locality: China: Provinz Fukien, Foochow).

▲ **DISTRIBUTION:** China.

cimicoides Cameron, 1941: 144 (*Geodromicus*; Type locality: Kashmir: Gulmarg).

▲ **DISTRIBUTION:** India.

concolor Luze, 1903 [**Note:** *Nomen nudum*], see: *suturalis* Lacordaire, 1835.

consors Cameron, 1945: 65 (*Geodromicus*; Type locality: Kashmir: Gulmarg).

▲ **DISTRIBUTION:** India.

constricticollis Eppelsheim, 1890: 172 (*Geodromicus*; Type locality: westliches Kaukasusgebiet am Fischt).

- Luze, 1903: 116 (*Geodromicus*; characters; Caucasus).
- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).
- Khnzorian, 1962: 110 (*Geodromicus*; subspecies of *globulicollis*; [**Note:** This change of status seems not to have been followed by others]; characters).
- Tikhomirova, 1973a: 141 (*Geodromicus*; checklist; Caucasus).

- Bordoni, 1984a: 57 (*Geodromicus*; characters; Caucasus).
- Bordoni, 1993: 157 (*Geodromicus*; subgenus *Brachydromicus*).

▲ **DISTRIBUTION:** Russia.

antennatus Reitter, 1890: 189 (*Geodromicus*; Type locality: Cirkassien: Montes Aibgenses).

- Luze, 1903: 116 (*Geodromicus*; synonym of *constricticollis*).
- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; synonym of *constricticollis*).

convexicollis Luze, 1903: 112 (*Geodromicus*; Type locality: Russisches Zentralasien: Turkestan: Taschkent).

- Luze, 1904: 78 (*Geodromicus*; Turkestan).
- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).
- Coiffait, 1970d: 144 (*Geodromicus*; Uzbekistan).
- Tikhomirova, 1973a: 141 (*Geodromicus*; checklist; Central Asia).
- Zerche, 1992a: 111 (*Geodromicus*; characters; Uzbekistan; Tadjikistan).

▲ **DISTRIBUTION:** Uzbekistan, Tajikistan.

hauserianus Bordoni, 1984a: 42 (*Geodromicus*; subgenus *Geodromicus*; Type locality: Ost. Buchara: Tschiftschantan, Nufswald).

- Zerche, 1992a: 107, 111 (*Geodromicus*; synonym of *convexicollis*).

convexus Khnzorian, 1962: 106 (*Geodromicus*; Type locality: ArmSSR: Sevan).

- Tikhomirova, 1973a: 141 (*Geodromicus*; checklist; Armenia).

▲ **DISTRIBUTION:** Armenia.

cordicollis Petri, 1891, see: *puncticollis* Weise, 1875.

coriaceus Cameron, 1924, see: *Hygrodromicus*.

corsicus Fagel, 1958b: 223 (*Geodromicus*; Type locality: Corse: forêt de Vizzavona, 850 m).

- Bordoni, 1984a: 27 (*Geodromicus*; notes).
- Zanetti, 1987: 380 (*Psephidonus*; subgenus *Psephidonus*; characters; Italy uncertain).
- Zanetti, 1995: 9 (*Geodromicus*; Sardinia ?).

▲ **DISTRIBUTION:** Corsica, Sardinia ?.

crassipalpis Champion, 1920: 245 (*Geodromicus*; Type locality: Sunderhunga in Kumaon, alt. 12,000 ft.).

- Cameron, 1924b: 173 (*Geodromicus*; characters in key; India).
- Cameron, 1930: 164 (*Geodromicus*; characters; India).
- Scheerpeltz, 1933: 1065 (*Geodromicus*; catalog).

▲ **DISTRIBUTION:** India.

curtipennis Fauvel, 1871a: 136 [= 1872: 110] (*Geodromicus*; variety of *plagiatus*; Type locality: Savoie, Alpes de la Vanoise; vallée de la Reuve).

- Ganglbauer, 1895: 711 (*Geodromicus*; synonym of *globulicollis*).
- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; variety of *globulicollis*).
- Portevin, 1929: 436 (*Geodromicus*; subspecies of *globulicollis*; characters; France).
- Scheerpeltz, 1933: 1066 (*Geodromicus*; variety of *globulicollis*).
- Jarrige, 1968b: 76 (*Geodromicus*; subspecies of *kunzei*; France).
- Bordoni, 1984a: 51 (*Geodromicus*; valid species; characters; France).

▲ **DISTRIBUTION:** France.

curvipes Cameron, 1924b: 173, 174 (*Geodromicus*; Type locality: Simla Hills; Gahan, 7000 feet).

- Cameron, 1930: 164 (*Geodromicus*; characters; India).
- Scheerpeltz, 1933: 1065 (*Geodromicus*; catalog).

▲ **DISTRIBUTION:** India.

cylindricus Tronquet, 1981: 74 (*Geodromicus*; Type locality: Afghanistan: Band-I-Amir).

▲ **DISTRIBUTION:** Afghanistan.

danieli Smetana, 1959c: 361 (*Geodromicus*; Type locality: Slowakei, Vysoké Tatry, [Hohe Tatra]: Koprová dolina).

- Lohse, 1964: 62 (*Geodromicus*; subspecies of *kunzei*).

- Tóth, 1982: 104 (*Psephidonus*; characters).
- Bordoni, 1984a: 51 (*Geodromicus*; characters; Slovakia).
- Lucht, 1987: 90 (*Geodromicus*; subspecies of *kunzei*; checklist; Poland; Czechoslovakia).
- Lohse and Lucht, 1989: 127 (*Geodromicus*; valid species).
- Boháč, 1993: 41 (*Psephidonus*; Slovakia).

▲ **DISTRIBUTION:** Poland, Slovakia.

darahensis Coiffait, 1979d: 565 (*Geodromicus*; Type locality: province de Nangarhar, Darah i Nour, 3000 m).

▲ **DISTRIBUTION:** Afghanistan.

debilis Casey, 1894: 409 (*Geodromicus*; Type locality: Colorado).

- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).

▲ **DISTRIBUTION:** USA.

depressus Cameron, 1941: 143 (*Geodromicus*; Type locality: Kashmir: Gulmarg).

▲ **DISTRIBUTION:** India.

dolpoensis Coiffait, 1982: 155 (*Geodromicus*; Type locality: Nepal: Dolpo, Aufstieg zum Namu La, 4300–4450).

▲ **DISTRIBUTION:** Nepal.

dubiosus Fagel, 1976: 384 (*Geodromicus*; Type locality: S.O. Anatolien: Ost Taurus bei Sürgü).

- Bordoni, 1984a: 38 (*Geodromicus*; Turkey).

▲ **DISTRIBUTION:** Turkey.

fauxveli Casey, 1894: 408 (*Geodromicus*; Type locality: Oregon: The Dalles).

- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).
- Scheerpeltz, 1933: 1065 (*Geodromicus*; catalog).
- Hatch, 1957: 70 (*Geodromicus*; characters; British Columbia; Idaho; Washington; Oregon).

▲ **DISTRIBUTION:** Canada, USA.

flavipes Motschulsky, 1860, see: *Trichodromeus*.

formosanus Hayashi, 1992a: 110 (*Psephidonus*; Type locality: Taiwan: Mt. Yushan, Chiai Hsien).

▲ **DISTRIBUTION:** Taiwan.

frigidus Smetana, 1968: 229 (*Geodromicus*; Type locality: Mongolei: Uburchangaj aimak, Changaj Gebirge, Ongijn gol, 10 km, ONO Arbajcher, 1800 m).

- Tikhomirova, 1973a: 141 (*Geodromicus*; checklist; Mongolia).
- Kashcheev, 1999c: 16 (*Geodromicus*; characters in key).

▲ **DISTRIBUTION:** Mongolia.

globulicollis Mannerheim, 1830, see: *plagiatus* Fabricius, 1798.

gracilicornis Luze, 1903: 111 (*Geodromicus*; Type locality: Kaukasus: Hochgebirge östlich von Kasbek).

- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).
- Khnзорian, 1962: 108 (*Geodromicus*; characters).
- Tikhomirova, 1973a: 141 (*Geodromicus*; checklist; Caucasus).
- Bordoni, 1984a: 36 (*Geodromicus*; characters; Caucasus).

▲ **DISTRIBUTION:** Georgia.

haarlovi Scheerpeltz, 1961b: 39 (*Geodromicus*; subgenus *Geodromicus*; Type locality: Afghanistan: Afghanistan: Surta).

- Kashcheev, 1999c: 15 (*Geodromicus*; characters in key).

▲ **DISTRIBUTION:** Afghanistan.

hammondi Watanabe, 1990: 269 (*Psephidonus*; Type locality: Japan: Honshu: Gunma Pref.: near Marunuma, Oku-Nikkô).

▲ **DISTRIBUTION:** Japan.

hauserianus Bordoni, 1984, see: *convexicollis* Luze, 1903.

- hermani** Watanabe, 1991a: 43 (*Psephidonus*; replacement name for *pusillus* Watanabe).
 ▲ **DISTRIBUTION:** Japan.
pusillus Watanabe, 1990: 279 (*Psephidonus*; [**preoccupied**]; Type locality: Japan: Honshu: Shizuoka Pref.: Mt. Amagi-san, Izu).
- hoejeri** Palm, 1961: 157 (*Geodromicus*; Type locality: S. Åberg bei Hoburgen auf Gotland).
 — Muona, 1979: 18 (*Psephidonus*; checklist; Sweden).
 — Bordoni, 1984a: 48 (*Geodromicus*; characters).
 — Silfverberg, 1992: 22 (*Psephidonus*; checklist; Sweden).
 ▲ **DISTRIBUTION:** Sweden.
- humboldtianus** Casey, 1894: 411 (*Geodromicus*; Type locality: California: Humboldt Co.).
 — Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).
 ▲ **DISTRIBUTION:** USA.
- iburinus** Watanabe, 1990: 278 (*Psephidonus*; Type locality: Japan: Hokkaido: Kita-Yuzawa, Iburi).
 ▲ **DISTRIBUTION:** Japan.
- integer** Casey, 1894: 412 (*Geodromicus*; Type locality: Washington State).
 — Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).
 — Hatch, 1957: 70 (*Geodromicus*; characters; British Columbia; Washington; Oregon; Idaho).
 ▲ **DISTRIBUTION:** Canada, USA.
- iranicus** Coiffait, 1981: 20 (*Geodromicus*; Type locality: Iran: Col. de Schalous, dans le Massif de l'Elbrouz, 2600–2900 m).
 ▲ **DISTRIBUTION:** Iran.
- japonicus** Watanabe, 1990: 280 (*Psephidonus*; Type locality: Japan: Honshu: Tochigi Pref.: near Lake Sainoko, Oku-Nikkô).
 ▲ **DISTRIBUTION:** Japan.
- jarrigeanus** Fagel, 1976: 390 (*Geodromicus*; Type locality: Col d'Ovit, Rize, 2500 m).
 — Bordoni, 1984a: 37 (*Geodromicus*; Turkey).
 ▲ **DISTRIBUTION:** Turkey.
ziganensis Coiffait, 1978d: 171 (*Geodromicus*; Type locality: Col de Zigana, 2000 m).
 — Coiffait, 1978f: 278 (*Geodromicus*; variety of *jarrigeanus*; characters; Turkey).
- karakorus** Coiffait, 1977: 269 (*Geodromicus*; Type locality: Vallée Nang Mah, Karakorum).
 ▲ **DISTRIBUTION:** Nepal.
- kashmirensis** Cameron, 1930: 455 (*Geodromicus*; Type locality: Kashmir: Gulmarg, Ferozepur Nala, alt. 6500 feet).
 — Scheerpeltz, 1933: 1066 (*Geodromicus*; catalog).
 ▲ **DISTRIBUTION:** India.
- kirschenblati* Tikhomirova, 1973, see: *sibiricus* Bernhauer, 1915.
- klimai** Bordoni, 1984a: 32 (*Geodromicus*; subgenus *Geodromicus*; Type locality: Caucasus).
 — Iablokov-Khnzorian, 1989: 137, 138 (*Geodromicus*; characters).
 ▲ **DISTRIBUTION:** Caucasus.
- kunduzii** Tronquet, 1981: 72 (*Geodromicus*; Type locality: Afghanistan: versant nord du col de Salang, 2500 m, Hindu-Kush).
 ▲ **DISTRIBUTION:** Afghanistan.
- kunzei** Heer, 1839: 193 (*Geobius*; Type locality: Glarneralpen; Engadin; Avers; Stelvio; Samnaun; auch auf der Gemmi beim Daubensee).
 — Heer, 1841: 572 (*Geodromus*).
 — Märkel and Kiesenwetter, 1848a: 328 (*Anthophagus*; notes; Carpathian Alps).
 — Kraatz, 1857d: 927 (*Anthophagus*; synonym of *globulicollis*).
 — Kraatz, 1857d: 927 (*Anthophagus*; [**Note:** Misidentified as *globulicollis* according to Zanetti, 1987: 381]; characters; Germany).
 — Mulsant and Rey, 1880: 60 (*Geodromicus*; synonym of *globulicollis*).

- Mulsant and Rey, 1880: 59 (*Geodromicus*; [**Note:** Misidentified as *globulicollis* according to Zanetti, 1987: 381]; characters; France).
- Ganglbauer, 1895: 711 (*Geodromicus*; synonym of *globulicollis*).
- Ganglbauer, 1895: 711 (*Geodromicus*; [**Note:** Misidentified as *globulicollis* according to Zanetti, 1987: 381]; characters; northern Europe; Pyrenees; Alps; Carpathians).
- Luze, 1903: 113 (*Geodromicus*; [**Note:** Misidentified as *globulicollis* according to Zanetti, 1987: 381]; characters; Sweden; Norway; Lapland; Finland; England; Riesengebirge; Hungary; Tirol; Switzerland; Savoy; Caucasus; Armenia).
- Reitter, 1909: 184 (*Geodromicus*; [**Note:** Misidentified as *globulicollis* according to Zanetti, 1987: 381]; characters; Germany).
- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; synonym of *globulicollis*).
- Portevin, 1929: 436 (*Geodromicus*; [**Note:** Misidentified as *globulicollis* according to Zanetti, 1987: 381]; characters; France).
- Smetana, 1959c: 360 (*Geodromicus*; valid species; characters; notes; Czechoslovakia).
- Horion, 1963: 136 (*Geodromicus*; France; Switzerland; Italy; Austria; Germany).
- Lohse, 1964: 62 (*Geodromicus*; characters; central Europe).
- Tóth, 1982: 104 (*Psephidonus*; cited as *kunzeni*; characters).
- Bordoni, 1984a: 49 (*Geodromicus*; characters).
- Zanetti, 1987: 381 (*Psephidonus*; subgenus *Psephidonus*; characters; Italy).
- Lucht, 1987: 90 (*Geodromicus*; distribution of nominate subspecies; Germany; Austria).
- Bordoni, 1993: 157 (*Geodromicus*; notes).
- Boháč, 1993: 41 (*Psephidonus*; Czech Republic).
- Zanetti, 1995: 9 (*Geodromicus*; Italy).

▲ **DISTRIBUTION:** Europe.

arvernus Sainte-Claire Deville, 1935: 84 (*Geodromicus*; variety of *globulicollis*; Type locality: Mont-Dore).

- Jarrige, 1946a: 111 (*Geodromicus*; subspecies of *globulicollis*; France).
- Jarrige, 1968b: 76 (*Geodromicus*; subspecies of *kunzei*; France).

languidus Luze, 1903: 110 (*Geodromicus*; Type locality: Kaukasus: Hochgebirge östlich von Kasbek).

- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).
- Khnzorian, 1962: 108 (*Geodromicus*; characters).
- Tikhomirova, 1973a: 140 (*Geodromicus*; checklist; Caucasus).
- Bordoni, 1984a: 34 (*Geodromicus*; characters; Caucasus).

▲ **DISTRIBUTION:** Georgia.

lapponicus Bordoni, 1984a: 29 (*Geodromicus*; subgenus *Geodromicus*; Type locality: Lapponia).

▲ **DISTRIBUTION:** Finland.

laticollis Fagel, 1976: 385 (*Geodromicus*; Type locality: S.O. Anatolien: Ost Taurus bei Sürgü).

- Bordoni, 1984a: 38 (*Geodromicus*; Turkey).

▲ **DISTRIBUTION:** Turkey.

latiusculus Eppelsheim, 1878: 126 (*Geodromicus*; Type locality: Hochgebirge östlich vom Kasbek in den Gebieten der Chefsuren und Pschawen, 7000'; [**Note:** See lectotype designation by Bordoni, 1984a]).

- Luze, 1903: 115 (*Geodromicus*; characters; Caucasus).
- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).
- Khnzorian, 1962: 110 (*Geodromicus*; characters).
- Tikhomirova, 1973a: 141 (*Geodromicus*; checklist; Caucasus).
- Bordoni, 1984a: 55 (*Geodromicus*; lectotype designation; characters; Caucasus).
- Bordoni, 1993: 157 (*Geodromicus*; subgenus *Brachydromicus*).

▲ **DISTRIBUTION:** Georgia.

lebedevianus Roubal, 1929: 46 (*Geodromicus*; Type locality: Russisch-Asien: Talass-Tal).

- Scheerpeltz, 1933: 1066 (*Geodromicus*; catalog).

— Tikhomirova, 1973a: 141 (*Geodromicus*; checklist; Central Asia).

▲ **DISTRIBUTION:** Russia.

ledouxi Tronquet, 1981: 73 (*Geodromicus*; Type locality: Afghanistan: vallée d'Ajar).

▲ **DISTRIBUTION:** Afghanistan.

lestevoides Sharp, 1889: 470 (*Anthophagus*; Type locality: Hakodate).

— Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).

— Bernhauer and Schubert, 1910: 80 (*Anthophagus*; catalog).

— Scheerpeltz, 1933: 1066 (*Geodromicus*; catalog).

— Nakane, 1963a: 83 (*Psephidonus*; characters; habitus photograph; Japan).

— Watanabe, 1969: 624 (*Psephidonus*; characters; South Korea).

— Yuh, Paik, Kwon, and Lee, 1985: 226 (*Psephidonus*; Korea).

— Watanabe, 1990: 274 (*Psephidonus*; characters; Japan).

— J. Li, 1993: 19 (*Psephidonus*, cited as *Pssephidonus*; China).

▲ **DISTRIBUTION:** Japan, Korea, China.

lestevoides Reitter, 1900, see: *Hygrodromicus*.

lewisi Cameron, 1930, see: *caliginosus* Sharp, 1889.

libanicus Coiffait, 1985: 210 (*Geodromicus*; Type locality: Liban: Les Cèdres, 2300 m).

▲ **DISTRIBUTION:** Lebanon.

litratus Kraatz, 1857d: 928 (*Anthophagus*; Type locality: Tyrol).

— Redtenbacher, 1874: 266 (*Geodromicus*; characters).

— Ganglbauer, 1895: 711 (*Geodromicus*; characters; Tyrolian and Swiss Alps).

— Luze, 1903: 114 (*Geodromicus*; cited as aberration of *globulicollis*; characters).

— Montandon, 1908: 78 (*Geodromicus*; Romania).

— Bernhauer and Schubert, 1910: 76 (*Geodromicus*; synonym of *globulicollis*).

— Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).

— Scheerpeltz, 1933: 1066 (*Geodromicus*; catalog).

— Horion, 1935: 170 (*Geodromicus*; characters; Austria; Switzerland).

— Lohse, 1964: 62 (*Geodromicus*; variety of *kunzei*).

— Bordoni, 1984a: 28 (*Geodromicus*; characters; Switzerland).

— Lohse and Lucht, 1989: 127 (*Geodromicus*; valid species).

▲ **DISTRIBUTION:** Caucasus, Romania, Austria, Switzerland.

marginatus Fauvel, 1871a: 135 [= 1872: 109] (*Geodromicus*; race of *plagiatus*; Type locality: Alpes Suisses; Caucase).

— Ganglbauer, 1895: 711 (*Geodromicus*; synonym of *litratus*).

— Bernhauer and Schubert, 1910: 76 (*Geodromicus*; synonym of *litratus*).

lohsei Jarrige, 1963, see: *nigrita* P. W. J. Müller, 1821.

longicornis Coiffait, 1983: 278 (*Geodromicus*; Type locality: Cachemire: Himachal Pradesh, Mari, 3500 m).

▲ **DISTRIBUTION:** India.

longipalpis Coiffait, 1983: 279 (*Geodromicus*; Type locality: Cachemire: Gulmarg, 3000–3500 m).

▲ **DISTRIBUTION:** India.

longipes Mannerheim, 1830: 56 (*Lesteva*; Type locality: Suecia: Wetteren; Ostrogothia: Holka-berg).

— Mannerheim, 1831: 470 (*Staphylinus*; Sweden).

— Stephens, 1834: 360 (*Lesteva*; cited as *globulicollis*; [**Note:** Misidentification: This citation probably refers to *longipes*; see Pope, 1977: 22]; characters; Scotland).

— Stephens, 1839: 431 (*Lesteva*; cited as *globulicollis*; [**Note:** Misidentification: This citation probably refers to *longipes*; see Pope, 1977: 22]; characters; Scotland).

— Erichson, 1840: 853 (*Anthophagus*; synonym of *plagiatus*).

— Hardy, 1851: 55 (*Geodromus*; cited as *globulicollis*; [**Note:** Misidentification: This citation probably refers to *longipes*; see Pope, 1977: 22]; synonym of *plagiatus*).

- Kraatz, 1857d: 927 (*Anthophagus*; synonym of *globulicollis*).
- Fauvel, 1869: 493 (*Anthophagus*; synonym of *globulicollis*).
- Fauvel, 1871a: 135 [= 1872: 109] (*Geodromicus*; synonym of *globulicollis*).
- Mulsant and Rey, 1880: 60 (*Geodromicus*; synonym of *globulicollis*).
- Fowler, 1888: 400 (*Geodromicus*; cited as *globulicollis*; [**Note:** Misidentification: This citation probably refers to *longipes*; see Pope, 1977: 22]; characters; Britain).
- Ganglbauer, 1895: 711 (*Geodromicus*; synonym of *globulicollis*).
- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; synonym of *globulicollis*).
- Palm, 1948: 122 (*Geodromicus*; characters; Sweden; Norway; Finland).
- Larsson and Gågja, 1959: 72 (*Geodromicus*; cited as valid species; biological notes; Iceland).
- Palm, 1961: 156 (*Geodromicus*; characters; Sweden).
- Steel, 1970a: 22 (*Geodromicus*; biological notes).
- Pope, 1977: 22 (*Geodromicus*; Britain).
- Bordoni, 1984a: 46 (*Geodromicus*; characters).

▲ **DISTRIBUTION:** Iceland, Sweden, Britain.

luzianus Bordoni, 1984a: 35 (*Geodromicus*; subgenus *Geodromicus*; Type locality: Armenia: Schawnabad).

- Kashcheev, 1999c: 16 (*Geodromicus*; characters in key).

▲ **DISTRIBUTION:** Armenia.

macrothorax Kashcheev, 1999c: 15 (*Geodromicus*; Type locality: Kungei-Alatau, verkhnee techenie reki Chilik, urochishche Sarybastau).

▲ **DISTRIBUTION:** Kazakhstan.

maderi Bernhauer, 1943: 72 (*Geodromicus*; Type locality: China: Szechwan mer., Mts. Kin-fushan, 2000 m, am Flusse Sung-Kanho).

▲ **DISTRIBUTION:** China.

major Motschulsky, 1860: 550 (*Geodromus*; Type locality: alpes du Caucase en Touchétié).

- Luze, 1903: 109 (*Geodromicus*; characters; Caucasus).
- Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).
- Khnzorian, 1962: 108 (*Geodromicus*; characters).
- Fagel, 1963: 426 (*Geodromicus*; Turkey).
- Tikhomirova, 1973a: 140 (*Geodromicus*; checklist; Caucasus).
- Bordoni, 1984a: 32 (*Geodromicus*; characters; Caucasus).
- Iablokov-Khnzorian, 1989: 137, 138 (*Geodromicus*; characters).
- Kashcheev, 1999c: 16 (*Geodromicus*; characters in key).

▲ **DISTRIBUTION:** Caucasus, Turkey.

marginatus Fauvel, 1871, see: *lituratus* Kraatz, 1857.

meurguesae Tronquet, 1981, see: *parallelipennis* Coiffait, 1979.

miyamorii Watanabe, 1990: 287 (*Psephidonus*; Type locality: Japan: Hokkaido: Tonkeshi Riv., Iburu).

▲ **DISTRIBUTION:** Japan.

montenegrinus Bernhauer, 1941: 210 (*Geodromicus*; Type locality: Montenegro: Ljuboten).

- Zanetti, 1984: 78 (*Geodromicus* ?; characters; notes; Bulgaria).

▲ **DISTRIBUTION:** Bulgaria, Yugoslavia.

nepalensis Scheerpeltz, 1976a: 100 (*Geodromicus*; subgenus *Geodromicus*; Type locality: Nepal: Khumbu Lobuche in etwa 4800 m).

▲ **DISTRIBUTION:** Nepal.

nepalicus Coiffait, 1977: 267 (*Geodromicus*; Type locality: Rive du tila Khola près Jumla, Népal occidental).

▲ **DISTRIBUTION:** Nepal.

nigrita P. W. J. Müller, 1821: 226 (*Anthophagus*; Type locality: Odenbach).

- Germar, 1827: 5 (*Anthophagus*; synonym of *plagiatus*).

- Curtis, 1829: 29 (*Lesteva*; cited as *plagiatus*; catalog; Britain; [**Note:** Misidentification: Probably refers to *nigrita*; *plagiatus* does not occur in Britain; see Pope, 1977: 22]).
- Stephens, 1834: 362 (*Lesteva*; cited as *plagiatus*; characters; England; [**Note:** Misidentification: Probably refers to *nigrita*; *plagiatus* does not occur in Britain; see Pope, 1977: 22]).
- Comolli, 1837: 15 (*Anthophagus*; Italy).
- Stephens, 1839: 431 (*Lesteva*; cited as *plagiatus*; characters; England; Scotland; [**Note:** Misidentification: Probably refers to *nigrita*; *plagiatus* does not occur in Britain; see Pope, 1977: 22]).
- Heer, 1839: 193 (*Geobius*; variety of *plagiatus*; characters; Switzerland).
- Erichson, 1840: 853 (*Anthophagus*; synonym of *plagiatus*).
- Hardy, 1851: 55 (*Geodromus*; synonym of *plagiatus*).
- Hardy, 1851: 55 (*Geodromus*; cited as *plagiatus*; notes; England; [**Note:** Misidentification: Probably refers to *nigrita*; *plagiatus* does not occur in Britain; see Pope, 1977: 22]).
- Fauvel, 1865a: 315 (*Anthophagus*; characters; habitat; France).
- Gemminger and Harold, 1868: 658 (*Anthophagus*; synonym of *plagiatus*).
- Fauvel, 1869: 493 (*Anthophagus*; synonym of *plagiatus*).
- Fauvel, 1871a: 134 [= 1872: 108] (*Geodromicus*; characters; cited as variety β of *plagiatus*; France; Lapland; Scandinavia; Britain; Germany; Switzerland; Austria; Italy; Corsica).
- Mulsant and Rey, 1880: 57 (*Geodromicus*; synonym of *plagiatus*).
- Fowler, 1888: 400 (*Geodromicus*; characters; Britain).
- Ganglbauer, 1895: 711 (*Geodromicus*; synonym of *plagiatus*).
- Luze, 1903: 108 (*Geodromicus*; aberration of *plagiatus*).
- Bernhauer and Schubert, 1910: 77 (*Geodromicus*; aberration of *plagiatus*).
- Notman, 1920: 17 (*Geodromicus*; New York).
- Scheerpeltz, 1933: 1066 (*Geodromicus*; aberration of *plagiatus*).
- Fagel, 1958b: 219 (*Geodromicus*; characters; western Europe; Alps; Spain).
- Lohse, 1958: 52 (*Geodromicus*; valid species; notes).
- Smetana, 1959c: 357 (*Geodromicus*; characters; notes; Czechoslovakia).
- Palm, 1961: 156 (*Geodromicus*; characters; Sweden).
- Horion, 1963: 134 (*Geodromicus*; Sweden; Germany; Switzerland; France; Czechoslovakia; Austria).
- Lohse, 1964: 62 (*Geodromicus*; characters; central Europe).
- Steel, 1970a: 22 (*Geodromicus*; biological notes).
- Pope, 1977: 22 (*Geodromicus*; Britain).
- Hammond, 1980: 136 (*Geodromicus*; notes; Ireland).
- Tóth, 1982: 103 (*Psephidonus*; characters).
- Bordoni, 1984a: 26 (*Geodromicus*; characters; France).
- Zanetti, 1984: 78 (*Geodromicus*; Bulgaria).
- Segers, 1986: 22 (*Geodromicus*; checklist of species; Belgium).
- Zanetti, 1987: 379 (*Psephidonus*; subgenus *Psephidonus*; characters; Italy).
- Lucht, 1987: 90 (*Geodromicus*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; France; Benelux; Sweden).
- Boháč, 1993: 41 (*Psephidonus*; Slovakia; Czech Republic).
- Zanetti, 1995: 9 (*Geodromicus*; Italy).

▲ **DISTRIBUTION:** Europe, USA.

lohsei Jarrige, 1963: 166 (*Geodromicus*; subspecies of *nigrita*; Type locality: Forêt de Marialle, mousses de la Llipodère, 1700 m).

nipponensis Watanabe, 1990: 275 (*Psephidonus*; Type locality: Japan: Honshu: Gunma Pref.: near Nidoage, Asama Plateau).

- Watanabe, 1996a: 9 (*Psephidonus*; cited as *nipponensis*; cave collection; Japan).

▲ **DISTRIBUTION:** Japan.

niveus Bernhauer, 1941: 210 (*Geodromicus*; Type locality: Siera [sic] Nevada: Picachode Plakeria).

▲ **DISTRIBUTION:** Spain.

- nubilatus** Casey, 1894: 408 (*Geodromicus*; Type locality: New Mexico: Las Vegas).
 — Fall and Cockerell, 1907: 168 (*Geodromicus*; New Mexico).
 — Bernhauer and Schubert, 1910: 77 (*Geodromicus*; catalog).
 ▲ **DISTRIBUTION:** USA.
- ohkurai** Hayashi, 1992a: 107 (*Psephidonus*; Type locality: Taiwan: Mt. Houfuan, Nantou Hsien).
 ▲ **DISTRIBUTION:** Taiwan.
yushanensis Hayashi, 1992a: 110 (*Psephidonus*; subspecies of *ohkurai*; Type locality: Taiwan: Mt. Yushan, Chiayi Hsien).
- ovalis* Luze, 1904, see: *Hygrodromicus*.
- ovipennis** LeConte, 1878: 452 (*Geodromicus*; Type locality: Leavenworth Valley, above Georgetown, Colo., 9000 to 10,000 feet).
 — Fauvel, 1878d: 253 [= 1878e: 89] (*Geodromicus*; characters; Colorado).
 — Casey, 1894: 408 (*Geodromicus*; notes).
 — Ganglbauer, 1895: 711 (*Geodromicus*; synonym of *plagiatus*).
 — Fall and Cockerell, 1907: 168 (*Geodromicus*; New Mexico).
 — Bernhauer and Schubert, 1910: 77 (*Geodromicus*; synonym of *plagiatus*).
 — Fall, 1926: 145 (*Geodromicus*; notes Yukon Territory).
 — Moore and Legner, 1975: 211 (*Psephidonus*; cited as valid species; checklist; USA).
 — Downie and Arnett, 1996: 435 (*Psephidonus*; characters; USA).
 ▲ **DISTRIBUTION:** USA, Canada.
- pakistanus** Coiffait, 1984: 143 (*Geodromicus*; Type locality: Pakistan: Murree-Abbottabad, 2200–2500 m).
 ▲ **DISTRIBUTION:** Pakistan.
- palpalis** Coiffait, 1977: 271 (*Geodromicus*; Type locality: Dampalek près Jumla, Népal occidental).
 ▲ **DISTRIBUTION:** Nepal.
- parallelipennis** Coiffait, 1979d: 564 (*Geodromicus*; Type locality: vallée du Parum, 2400–2800 m).
 — Tronquet, 1981: 69 (*Geodromicus*; Afghanistan).
 ▲ **DISTRIBUTION:** Afghanistan.
meurguesae Tronquet, 1981: 75 (*Geodromicus*; subspecies of *parallelipennis*; Type locality: Afghanistan: Kahr-Shah-Foladi).
- paramerus** Shavrin, 2000: 87 (*Geodromicus*; Type locality: Chitinskaia Obl., Krasno-Chikoiskii r-n, pos. Malaia Kudara).
 ▲ **DISTRIBUTION:** Russia.
- pedemontanus** Fagel, 1958b: 221 (*Geodromicus*; Type locality: Alpes maritimes piémontaises: Limone, torrente Vermenagna, 1000–1100 m).
 — Bordoni, 1984a: 26 (*Geodromicus*; characters; notes; France; Italy).
 — Zanetti, 1987: 377 (*Psephidonus*; characters; Italy).
 — Zanetti, 1995: 9 (*Geodromicus*; Italy).
 ▲ **DISTRIBUTION:** France, Italy.
- peraffinis** Cameron, 1945: 65 (*Geodromicus*; Type locality: Kashmir: Lianmarg, altitude 10,000 feet).
 ▲ **DISTRIBUTION:** India.
- perplexus** Cameron, 1941: 144 (*Geodromicus*; Type locality: Kashmir: Lobzang).
 ▲ **DISTRIBUTION:** India.
- plagiatus** Fabricius, 1798: 180 (*Staphylinus*; Type locality: Europa borealis).
 — Paykull, 1800: 387 (*Staphylinus*; characters; Sweden).
 — Fabricius, 1801: 597 (*Staphylinus*; characters).
 — Gravenhorst, 1802: 123, 189 (*Anthophagus*; characters).
 — Latreille, 1804: 368 (*Lesteva*; characters; Sweden; Germany).

- Gravenhorst, 1806: 222 (*Anthophagus*; characters; Sweden).
- Gyllenhal, 1810: 195 (*Anthophagus*; characters; Sweden).
- Gyllenhal, 1827: 461 (*Anthophagus*).
- C. Sahlberg, 1827: 276 (*Anthophagus*; characters; Finland).
- Germar, 1827: 5 (*Anthophagus*; characters).
- Zetterstedt, 1828: 44 (*Anthophagus*; characters; Lapland).
- Mannerheim, 1830: 56 (*Lesteva*; Finland; Sweden).
- Mannerheim, 1831: 470 (*Lesteva*; Finland; Sweden).
- Runde, 1835: 24 (*Lesteva*; characters; Germany).
- Lacordaire, 1835: 482 (*Lesteva*; characters; France).
- Zetterstedt, 1838: 47 (*Anthophagus*; characters; Lapland; Sweden).
- Heer, 1839: 193 (characters).
- Erichson, 1840: 852 (*Anthophagus*; characters; Europe).
- Hochhuth, 1849: 202 (*Anthophagus*; characters; Iberia).
- Fairmaire and Laboulbène, 1856: 629 (*Geodromus*; characters; France).
- Redtenbacher, 1857: 244 (*Geodromicus*; characters; Austria).
- Kraatz, 1857d: 925 (*Anthophagus*; characters; Germany).
- Thomson, 1859: 48 (type species of *Geodromicus*).
- Thomson, 1861: 181 (*Geodromicus*; characters; Scandinavia).
- Hochhuth, 1862: 102 (*Anthophagus*; Russia).
- Fauvel, 1871a: 133 [= 1872: 107] (*Geodromicus*; characters; France; Lapland; Scandinavia; Germany; Switzerland; Austria).
- Redtenbacher, 1874: 266 (*Geodromicus*; characters; Austria).
- Seidlitz, 1875: 241 (*Anthophagus*; characters; Baltic region).
- J. Sahlberg, 1876: 208 (*Geodromicus*; Finland).
- Mulsant and Rey, 1880: 56 (*Geodromicus*; characters; France).
- Ganglbauer, 1895: 711 (*Geodromicus*; characters; north and middle Europe; Siberia; North America).
- Luze, 1903: 108 (*Geodromicus*; characters; north and central Europe; Siberia; Caucasus; North America).
- Sainte-Claire Deville, 1906: 72 (*Geodromicus*; Corsica).
- Sainte-Claire Deville, 1907: 50 (*Geodromicus*; characters; France).
- Reitter, 1909: 183 (*Geodromicus*; characters; Germany).
- Bernhauer and Schubert, 1910: 77 (*Geodromicus*; catalog).
- Johansen, 1914: 587 (*Geodromicus*; characters; Denmark).
- Portevin, 1929: 436 (*Geodromicus*; characters; France).
- Scheerpeltz, 1933: 1066 (*Geodromicus*; catalog).
- Palm, 1948: 121 (*Geodromicus*; characters; Sweden; Denmark; Norway; Finland).
- Fagel, 1958b: 217 (*Geodromicus*; characters; notes; Scandinavia; Alpes).
- Smetana, 1959c: 358 (*Geodromicus*; characters; notes; Czechoslovakia).
- Palm, 1961: 155 (*Geodromicus*; characters; Sweden).
- Khnzorian, 1962: 109 (*Geodromicus*; characters).
- Horion, 1963: 133 (*Geodromicus*; Caucasus; Siberia; Germany; Austria; Hungary; Norway; Sweden; Czech Republic; Slovakia; Italy; Britain; Belgium; France; Switzerland; Italy; Corsica; Sardinia; Bosnia Hercegovina; Romania; Denmark; Holland).
- Lohse, 1964: 62 (*Geodromicus*; characters; central Europe).
- Tóth, 1982: 101 (*Psephidonus*; characters).
- Frank, 1982: 8 (*Geodromicus*; list of parasites).
- Bordoni, 1984a: 24 (*Geodromicus*; characters; notes).
- Zanetti, 1987: 377 (*Psephidonus*; subgenus *Psephidonus*; characters; Italy).
- Lucht, 1987: 90 (*Geodromicus*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; Denmark; Sweden).
- Boháč, 1993: 41 (*Psephidonus*; Slovakia; Czech Republic).
- Zanetti, 1995: 9 (*Geodromicus*; Italy).
- Ryabukhin, 1999: 29 (*Geodromicus*; catalog; habitat; distribution; northeastern Russia).
- ▲ **DISTRIBUTION:** Europe, Russia, Canada, USA.

- globulicollis* Mannerheim, 1830: 56 (*Lesteva*; Type locality: Finlandia orientalis: Saima).
 — Mannerheim, 1831: 470 (*Lesteva*; Finland).
 — Zetterstedt, 1838: 49 (*Anthophagus*; characters; habitat; Lapland; Finland).
 — Erichson, 1840: 853 (*Anthophagus*; synonym of *plagiatus*).
 — Erichson, 1840: 852, 853 (*Anthophagus*; variety a, e; [**Note:** Bernhauer and Schubert, 1910: 76 cited *plagiatus* variety a and e Erichson as synonyms of *globulicollis* but neither varietal name is available]; characters).
 — Thomson, 1861: 181 (*Geodromicus*; characters; Scandinavia).
 — Hochhuth, 1862: 102 (*Anthophagus*; Russia).
 — Fauvel, 1865a: 315 (*Anthophagus*; habitat; France).
 — Fauvel, 1865a: 316 (*Anthophagus*; [**Note:** Misidentification: Bernhauer and Schubert, 1910: 76 cited *lituratus* Fauvel as a synonym of *globulicollis*; Fauvel attributed it to Kraatz]; habitat; France).
 — Fauvel, 1871a: 135 [= 1872: 109] (*Geodromicus*; variety of *plagiatus*; [**Note:** Bernhauer and Schubert, 1910: 76 cited *plagiatus* variety ϵ as a synonym of *globulicollis*; there is no available name]; characters; France; Lapland; Scandinavia; Britain; Switzerland; Germany; Austria; Caucasus).
 — Redtenbacher, 1874: 266 (*Geodromicus*; characters).
 — J. Sahlberg, 1876: 208 (*Geodromicus*; Finland).
 — Bernhauer and Schubert, 1910: 76 (*Geodromicus*; catalog).
 — Scheerpeltz, 1933: 1065 (*Geodromicus*; catalog).
 — Smetana, 1959c: 359 (*Geodromicus*; characters; notes; Czechoslovakia).
 — Khnzorian, 1962: 110 (*Geodromicus*; characters).
 — Lohse, 1964: 62 (*Geodromicus*; synonym of *plagiatus*).
 — Boháč, 1993: 41 (*Psephidonus*; cited as valid species; Czech Republic ?).
- verticalis* Say, 1831: 49 [= 1834: 463] (*Anthophagus*; Type locality: Pennsylvania).
 — Erichson, 1840: 854 (*Anthophagus*; characters; Pennsylvania).
 — LeConte, 1850: 220 (*Anthophagus*; Lake Superior).
 — LeConte, 1866: 375 (*Anthophagus*; notes; Lake Superior; Pennsylvania).
 — Fauvel, 1878d: 254 [= 1878e: 90] (*Geodromicus*; synonym of *nigrita*).
 — Ganglbauer, 1895: 711 (*Geodromicus*; synonym of *plagiatus*).
 — Bernhauer and Schubert, 1910: 77 (*Geodromicus*; synonym of *plagiatus*).
- canaliculatus* Stephens, 1834: 360 (*Lesteva*; Type locality: Scotland; Cumberland; near Edinburgh).
 — Stephens, 1839: 431 (*Lesteva*; characters; England, Scotland).
 — G. Waterhouse, 1858: 31 (*Geodromicus*; synonym of *globulicollis*).
- anthracinus* Brisout, 1863: 40 (*Geodromicus*; Type locality: Mont-Louis).
 — Gemminger and Harold, 1868: 658 (*Anthophagus*; synonym of *plagiatus*).
 — Fauvel, 1871a: 134 [= 1872: 108] (*Geodromicus*; synonym of *plagiatus* variety β).
 — Ganglbauer, 1895: 711 (*Geodromicus*; synonym of *plagiatus*).
 — Bernhauer and Schubert, 1910: 77 (*Geodromicus*; synonym of *plagiatus*).
- subnigritus* Lohse, 1958: 53 (*Geodromicus*; aberration of *plagiatus*; [**Note:** **Nomen nudum** (Articles 1.3.4, 45.5)]; no locality cited).
 — Palm, 1961: 156 (*Geodromicus*; aberration of *plagiatus*; characters; Sweden).
 — Zanetti, 1987: 378 (*Psephidonus*; synonym of *plagiatus*).
- ponticus** Fagel, 1976: 388 (*Geodromicus*; Type locality: N. E. Anatolie: Bicik, Giresum, 1600 m).
 — Bordoni, 1984a: 37 (*Geodromicus*; characters; Turkey).
 ▲ **DISTRIBUTION:** Turkey.
- puncticollis** Weise, 1875: 364 (*Anthophagus*; subgenus *Geodromicus*; Type locality: Luhy).
 — Eppelsheim, 1887b: 432 (*Geodromicus*; synonym of *globulicollis*).
 — Ganglbauer, 1895: 711 (*Geodromicus*; characters; Europe).
 — Luze, 1903: 111 (*Geodromicus*; characters; Hungary; Siebenbürgen; Balkans).
 — Montandon, 1908: 78 (*Geodromicus*; Romania).
 — Bernhauer and Schubert, 1910: 77 (*Geodromicus*; catalog).

- Smetana, 1959c: 362 (*Geodromicus*; characters; notes; Ukrainian Carpathians).
- Tóth, 1982: 104 (*Psephidonus*; characters).
- Bordoni, 1984a: 54 (*Geodromicus*; characters; Ukraine).
- Zerche, 1988a: 362 (types listed).

▲ **DISTRIBUTION:** Ukraine, Romania.

cordicollis Petri, 1891: 18 (*Geodromicus*; Type locality: Schässburg).

- Ganglbauer, 1895: 711 (*Geodromicus*; synonym of *puncticollis*).
- Bernhauer and Schubert, 1910: 77 (*Geodromicus*; synonym of *puncticollis*).

punctulatus Luze, 1904, see: *Paratrichodromeus*.

pusillus Coiffait, 1983: 279 (*Geodromicus*; Type locality: Cachemire: Rohtang Pass, 4000 m).

▲ **DISTRIBUTION:** India.

pusillus Watanabe, 1990, see: *hermani* Watanabe, 1991.

pyrenaicus Jarrige, 1963: 166 (*Geodromicus*; Type locality: Gave d'Holçarté, Larrau, 600 m, Basses Pyrénées).

- Bordoni, 1984a: 27 (*Geodromicus*; characters; France).

▲ **DISTRIBUTION:** France.

recticollis Cameron, 1924: 172, 173 (*Geodromicus*; Type locality: Chakrata District; Sainj Khud, 6500 feet).

- Cameron, 1930: 163 (*Geodromicus*; characters; India).
- Scheerpeltz, 1933: 1066 (*Geodromicus*; catalog).

▲ **DISTRIBUTION:** India.

reitteri Scheerpeltz, 1933, see: *Hygrodrumicus*.

rivularis Khnzorian, 1962: 107 (*Geodromicus*; Type locality: ArmSSR: Megri, u berega Araksa).

- Tikhomirova, 1973a: 141 (*Geodromicus*; checklist; Armenia).
- Iablokov-Khnzorian, 1989: 137, 138 (*Geodromicus*; characters).

▲ **DISTRIBUTION:** Armenia.

robusticornis Bernhauer, 1941: 209 (*Geodromicus*; Type locality: Bulgarien: Rila Musala).

▲ **DISTRIBUTION:** Bulgaria.

rousi Bordoni, 1984a: 39 (*Geodromicus*; subgenus *Geodromicus*; Type locality: Caucaso).

- Iablokov-Khnzorian, 1989: 137, 138 (*Geodromicus*; characters).

▲ **DISTRIBUTION:** Caucasus.

ruficornis Cameron, 1941: 143 (*Geodromicus*; Type locality: Kashmir: Gulmarg, Lianmarg, altitude 8000–10,000 feet).

▲ **DISTRIBUTION:** India.

rufipennis Van Dyke, 1924: 16 (*Geodromicus*; Type locality: Brooks Falls, Naknek Lake, Alaska Peninsula).

▲ **DISTRIBUTION:** USA.

salangensis Tronquet, 1981: 76 (*Geodromicus*; Type locality: Afghanistan: versant nord du col de Salang, 3000–3200 m).

▲ **DISTRIBUTION:** Afghanistan.

schoenmanni Bordoni, 1984a: 31 (*Geodromicus*; subgenus *Geodromicus*; Type locality: Caucaso).

- Iablokov-Khnzorian, 1989: 137, 138 (*Geodromicus*; characters).

▲ **DISTRIBUTION:** Caucasus.

schubertorum Scheerpeltz, 1937b: 197 (*Geodromicus*; cited as *schuberti* [**Note:** Incorrect original spelling; named for two people named Schubert]; Type locality: Bulgarien: Massiv des Jumruktschal, Zentral-Balkan, 1400–1800 m; Rosalito-polje, Schipka-Balkan, ca. 1900 m).

- Zanetti, 1984: 78 (*Geodromicus*; cited as *schuberti*; characters; Bulgaria).

▲ **DISTRIBUTION:** Bulgaria.

- schultzi** Hatch, 1957: 70 (*Geodromicus*; Type locality: Washington: Kittitas Co.: Swauk Cr. Also cited from Idaho and British Columbia).
▲ **DISTRIBUTION:** Canada, USA.
- sibiricus** Bernhauer, 1915c: 69 (*Geodromicus*; Type locality: Ostsibirien: Chitaizki Sterena).
— Scheerpeltz, 1933: 1066 (*Geodromicus*; catalog).
— Tikhomirova, 1973a: 141 (*Geodromicus*; checklist; eastern Siberia).
— Gusarov, 1992a: 775 [= 1993a: 62] (*Geodromicus*; synonymic notes).
— Kashcheev, 1999c: 16 (*Geodromicus*; characters in key).
▲ **DISTRIBUTION:** Russia.
- kirschenblati* Tikhomirova, 1973: 155 (*Geodromicus*; Type locality: Suputinskii zapovednik).
— Coiffait, 1974a: 198 (*Geodromicus*; Siberia).
— Gusarov, 1992a: 775 [= 1993a: 63] (*Geodromicus*; synonym of *sibiricus*).
- similis** Cameron, 1930: 455 (*Geodromicus*; Type locality: Kashmir: Gulmarg, Ferozepur Nala, alt. 6500 feet).
— Cameron, 1934: 18 (*Geodromicus*; Indian Tibet).
— Cameron, 1935b: 288 (*Geodromicus*; India).
— Coiffait, 1982: 43 (*Geodromicus*; India).
▲ **DISTRIBUTION:** India.
- sinuatocollis** Bernhauer, 1938b: 50 (*Geodromicus*; Type locality: Mandschurei: Tcheuly-Nord: Nanye-li).
▲ **DISTRIBUTION:** China.
- sinuatus** Sharp, 1889: 470 (*Anthophagus*; Type locality: Sapporo).
— Bernhauer and Schubert, 1910: 81 (*Anthophagus*; catalog).
— Scheerpeltz, 1933: 1066 (*Geodromicus*; catalog).
— Watanabe, 1990: 282 (*Psephidonus*; characters; Japan).
— J. Li, 1993: 19 (*Psephidonus*; China).
▲ **DISTRIBUTION:** Japan, China.
- sprius** Watanabe, 1990: 272 (*Psephidonus*; Type locality: Japan: Honshu: Kanagawa Pref.: Kojiri, Hakone).
▲ **DISTRIBUTION:** Japan.
- stiricidii**† Scudder, 1895: 43 (*Geodromicus*; fossil, interglacial clays; Type locality: Scarborough, Ontario).
▲ **DISTRIBUTION:** Canada.
- striatus** Khnzorian, 1962: 105 (*Geodromicus*; Type locality: ArmSSR: Gekhard, Kotaikskii r-n).
— Tikhomirova, 1973a: 141 (*Geodromicus*; checklist; Armenia).
▲ **DISTRIBUTION:** Armenia.
- strictus** Fauvel, 1889a: 126 (*Geodromicus*; named for species misidentified as *nigrita* by Fauvel; Type locality: New York; Mont Washington).
— Fauvel, 1878d: 254 [= 1878e: 90] (*Olophrum*; [Note: Misidentification: Bernhauer and Schubert, 1910: 77 cited *nigrita* Fauvel as a synonym of *strictus*; Fauvel did not describe the species as new, he attributed it to Müller]; characters; Michigan; Lake Superior; New York; New Hampshire; Pennsylvania).
— Casey, 1894: 408 (*Geodromicus*; New York and Massachusetts to Michigan).
— Bernhauer and Schubert, 1910: 77 (*Geodromicus*; catalog).
— Blatchley, 1910: 475 (*Geodromicus*; cited as *stictus*; characters; Indiana).
— Scheerpeltz, 1933: 1066 (*Geodromicus*; catalog).
— Dearborn and Donahue, 1994: 14 (*Geodromicus*; Maine).
— Downie and Arnett, 1996: 435 (*Psephidonus*; characters; USA).
▲ **DISTRIBUTION:** USA.
- suavis** Coiffait, 1979d: 566 (*Geodromicus*; Type locality: Nouristan: haute vallée de l'Agôr Khwar, 3200–3900 m).
▲ **DISTRIBUTION:** Afghanistan.

subnigratus Lohse, 1958 [**Note: Nomen nudum**], see: *plagiatus* Fabricius, 1798.

subsimplis Cameron, 1941: 144 (*Geodromicus*; Type locality: Ghum district: Mangpu; Tiger Hill, 8000–10,000 feet).

▲ **DISTRIBUTION:** India.

suensoni Bernhauer, 1936g: 304 (*Geodromicus*; Type locality: Japan: Kamikochi, North Alps 5000 ft).

— Watanabe, 1990: 293 (*Psephidonus*; characters; Japan).

▲ **DISTRIBUTION:** Japan.

suturalis Lacordaire, 1835: 483 (*Lesteva*; Type locality: Paris).

— Erichson, 1840: 852 (*Anthophagus*; synonym of *plagiatus*).

— Erichson, 1840: 852 (*Anthophagus*; variety b; [**Note:** Bernhauer and Schubert, 1910: 77 cited *plagiatus* variety b Erichson as synonym of *suturalis*; there is no available name]; characters).

— Kraatz, 1857d: 926 (*Anthophagus*; [**Note:** Bernhauer and Schubert, 1910: 77 cited *plagiatus* variety a Kraatz as a synonym of *suturalis* but there is no available name]; characters; Germany).

— Jacquelin du Val, 1857: pl. 25, fig. 123 (*Geodromicus*; [**Note:** Misidentification, cited by Bernhauer and Schubert, 1910: 77 as synonym of *suturalis* but Jacquelin du Val attributed the species to Fabricius]; illustration).

— Fauvel, 1865a: 315 (*Anthophagus*; habitat; France).

— Fauvel, 1871a: 133 [= 1872: 107] (*Geodromicus*; variety of *plagiatus*; [**Note:** Bernhauer and Schubert, 1910: 77 cited *plagiatus* variety α as a synonym of *suturalis*; there is no available name]; characters; France; Switzerland; Austria).

— Mulsant and Rey, 1880: 57 (*Geodromicus*; synonym of *plagiatus*).

— Ganglbauer, 1895: 711 (*Geodromicus*; characters; Alps; Pyrenees).

— Luze, 1903: 107 (*Geodromicus*; characters; Alps; Pyrenees).

— Reitter, 1909: 183 (*Geodromicus*; characters; Germany).

— Bernhauer and Schubert, 1910: 77 (*Geodromicus*; catalog).

— Scheerpeltz, 1933: 1066 (*Geodromicus*; catalog).

— Fagel, 1958b: 224 (*Geodromicus*; characters; Alpes and Pyrenees).

— Smetana, 1959c: 359 (*Geodromicus*; characters; notes; Czechoslovakia).

— Horion, 1963: 134 (*Geodromicus*; France; Italy; Switzerland; Germany; Austria; Romania; Czech Republic).

— Lohse, 1964: 61 (*Geodromicus*; characters; central Europe).

— Tóth, 1982: 102 (*Psephidonus*; characters).

— Bordoni, 1984a: 27 (*Geodromicus*; notes).

— Zanetti, 1987: 375 (*Psephidonus*; subgenus *Psephidonus*; characters; Italy).

— Lucht, 1987: 90 (*Geodromicus*; checklist; Germany; Austria; Switzerland).

— Boháč, 1993: 41 (*Psephidonus*; Slovakia; Czech Republic).

— Zanetti, 1995: 9 (*Geodromicus*; Italy).

— Kashcheev, 1999c: 16 (*Geodromicus*; characters in key).

▲ **DISTRIBUTION:** France, Switzerland, Germany, Czechoslovakia, Austria, Italy.

concolor Luze, 1903: 107 (*Geodromicus*; aberration of *suturalis*; [**Note: Nomen nudum** (Articles 1.3.4, 45.5)]; no locality cited).

— Bernhauer and Schubert, 1910: 77 (*Geodromicus*; aberration of *suturalis*).

— Scheerpeltz, 1933: 1066 (*Geodromicus*; synonym of *suturalis*).

— Tóth, 1982: 102 (*Psephidonus*; aberration of *suturalis*; characters).

— Zanetti, 1987: 376 (*Psephidonus*; synonym of *suturalis*).

svaneticus Iablokov-Khnzorian, 1989: 134 (*Geodromicus*; Type locality: GSSR: Svanetia, okr. Mestii).

▲ **DISTRIBUTION:** Georgia.

szechwanensis Bernhauer, 1943: 73 (*Geodromicus*; Type locality: China).

▲ **DISTRIBUTION:** China: Szechwan mer., Mts. Kinfushan, 2000 m, am Flusse Sung-Kanho.

- temporalis** Casey, 1894: 410 (*Geodromicus*; Type locality: California: Sonoma Co.).
 — Bernhauer and Schubert, 1910: 77 (*Geodromicus*; catalog).
 — Hatch, 1957: 70 (*Geodromicus*; characters; British Columbia; Washington; Oregon).
 ▲ **DISTRIBUTION:** Canada, USA.
- torrentis** Puthz, 1973j: 517 (*Geodromicus*; Type locality: Pakistan: Swat Region: Guhral Spring).
 ▲ **DISTRIBUTION:** Pakistan.
- transversus* Motschulsky, 1860, see: *Trichodromeus*.
- trapezipennis** Coiffait, 1979d: 563 (*Geodromicus*; Type locality: Nouristan, vallée de l'Agôr Khwar, 2000–3000 m).
 ▲ **DISTRIBUTION:** Afghanistan.
- trisulcatus** Coiffait, 1983: 278 (*Geodromicus*; Type locality: Cachemire: Pahalgam, Kolakoi, 3400 m).
 ▲ **DISTRIBUTION:** India.
- tumidus* Luze, 1903, see: *Trichodromeus*.
- verticalis* Say, 1831, see: *plagiatus* Fabricius, 1798.
- yushanensis* Hayashi, 1992, see: *ohkurai* Hayashi, 1992.
- ziganensis* Coiffait, 1978, see: *jarrigeanus* Fagel, 1976.
- zwickianus** Fagel, 1976: 387 (*Geodromicus*; Type locality: S.O. Anatolien: Ost Taurus bei Sürgü).
 — Bordoni, 1984a: 37 (*Geodromicus*; cited as *zwickianus*; Turkey).
 ▲ **DISTRIBUTION:** Turkey.

Hygodromicus

[14 species; Palearctic Region]

- Hygodromicus* Tronquet, 1981: 72 (species included: *obesus*; [**Note:** When Tronquet published his new species, *Hygodromicus obesus*, the generic name was cited in a footnote as “*Hygodromicus* Coiffait, genre nouveau (sous presse)” but Tronquet published a few generic characters at the end of his description of *obesus* thereby validating the name. Tronquet’s use of the generic name appeared on September 9, 1981 and Coiffait’s on October 30, 1981]). **TYPE SPECIES:** *Hygodromicus obesus* Tronquet, fixed by monotypy.
 — Zerche, 1992a: 107, 112, 120, 139 (key to species; phylogenetic relationships).
- Hygodromicus* Coiffait, 1981c: 258, 259 (species included: *meurguesae*). **TYPE SPECIES:** *Hygodromicus meurguesae* Coiffait, fixed by original designation and monotypy.
 — Bordoni, 1990a: 100 (characters).
 — Zerche, 1992a: 107 (synonym of *Hygodromicus* Tronquet).
- behnei** Zerche, 1992a: 117 (*Hygodromicus*; Type locality: Asia cent., Dushanbe, Tadshik., Warsob-Tal/Hissar-Geb., 2000–3000 m).
 ▲ **DISTRIBUTION:** Tajikistan.
- cachemicus** Coiffait, 1983: 286 (*Hygodromicus*; Type locality: Cachemire: Badrinath, 3500).
 ▲ **DISTRIBUTION:** India.
- coriaceus** Cameron, 1924b: 172, 173 (*Geodromicus*; Type locality: Chakrata District; Chulli Khud and Binal Gad, 7000 to 8000 feet).
 — Cameron, 1930: 162 (*Geodromicus*; characters; India).
 — Scheerpeltz, 1933: 1065 (*Geodromicus*; catalog).
 — Zerche, 1992a: 120 (*Hygodromicus*).
 ▲ **DISTRIBUTION:** India.
- klapperichi** Coiffait, 1982b: 83 (*Hygodromicus*; Type locality: Afghanistan: Nouristan: Bashgultal, 2700 m).
 ▲ **DISTRIBUTION:** Afghanistan.

ledouxi Coiffait, 1983: 285 (*Hygrodromicus*; Type locality: Cachemire: Himachal Pradesh, Mari, 3500 m).

▲ **DISTRIBUTION:** India.

lestevoides Reitter, 1900, see: *reitteri* Scheerpeltz, 1933.

meurguesae Coiffait, 1981c: 260 (*Hygrodromicus*; Type locality: Cachemire, Badrinath, 3500 m).

— Coiffait, 1983: 275 (*Hygrodromicus*; Kashmir).

▲ **DISTRIBUTION:** India.

obesus Tronquet, 1981: 71 (*Hygrodromicus*; Type locality: Afghanistan: versant nord du col de Salang, 2500 m, Hindu-Kush).

▲ **DISTRIBUTION:** Afghanistan.

ovalis Luze, 1904: 78 (*Geodromicus*; Type locality: Turkestan: Jagnob Kol; [**Note:** See lectotype designation by Zerche, 1992a]. Also cited from Iskander-kul: Karakul-darja).

— Bernhauer and Schubert, 1910: 77 (*Geodromicus*; catalog).

— Zerche, 1992a: 119 (*Hygrodromicus*; lectotype designation: TRKST. Jagnob Kol; characters; Uzbekistan; Tajikistan).

▲ **DISTRIBUTION:** Uzbekistan, Tajikistan.

palliditarsis Coiffait, 1983: 287 (*Hygrodromicus*; Type locality: Cachemire: Gangria, 3500 m).

▲ **DISTRIBUTION:** India.

punctatissimus Coiffait, 1983: 286 (*Hygrodromicus*; Type locality: Cachemire: Gangria, 3500 m).

▲ **DISTRIBUTION:** India.

reitteri Scheerpeltz, 1933: 1066 (*Geodromicus*; replacement name for *lestevoides* Reitter).

— Zerche, 1992a: 114 (*Hygrodromicus*; characters; Turkestan; Tadjikistan).

▲ **DISTRIBUTION:** Tajikistan, Uzbekistan.

lestevoides Reitter, 1900b: 228 (*Geodromicus*; [**preoccupied**]; Type locality: Bokhara, Turkestan; [**Note:** See lectotype designation by Zerche, 1992a]).

— Luze, 1903: 116 (*Geodromicus*; characters; Russian central Asia: Buchara).

— Scheerpeltz, 1933: 1066 (*Geodromicus*; synonym of *reitteri*).

— Zerche, 1992a: 107, 114 (*Hygrodromicus*; lectotype designation: Bokhara, Turkestan; synonym of *reitteri*).

splendidus Zerche, 1992a: 116 (*Hygrodromicus*; Type locality: USSR: Tadjikistan, Pamir, Muksu-Gebiet, Hochfläche bei Kishlak Ljarsch, 3000–4000 m).

▲ **DISTRIBUTION:** Tajikistan.

wittmeri Coiffait, 1984: 145 (*Hygrodromicus*; Type locality: Cachemire: Pahalgam, 2200–3000 m).

▲ **DISTRIBUTION:** India.

wrasei Zerche, 1992a: 113 (*Hygrodromicus*; Type locality: Asia centr., Duschambe, Tadjikistan, Warsob-Tal/Hissar-Gebirge, 2000–2500 m).

▲ **DISTRIBUTION:** Tajikistan.

Hygrogeus

[12 species; Palaearctic Region]

Hygrogeus Mulsant and Rey, 1880: 56 (species included: *aemulus*). **TYPE SPECIES:** *Anthophagus aemulus* Rosenhauer, fixed by monotypy.

— Heyden, Reitter, and Weise, 1891: 118 (subgenus of *Geodromicus*; list of species of Europe and Caucasus).

— Ganglbauer, 1895: 710 (characters).

— Luze, 1902d: 529 (characters).

— Heyden, Reitter, and Weise, 1906: 135 (list of species of Europe and Caucasus).

— Bernhauer and Schubert, 1910: 78 (world catalog; 1 species).

— Winkler, 1925: 335 (catalog for Palaearctic region).

- Cameron, 1925: 104 (catalog of Indian species).
- Porta, 1926: 30 (characters; key to species of Italy).
- Cameron, 1930: 165 (characters; key to species of British India).
- Scheerpeltz, 1933: 1067 (world catalog supplement).
- Blackwelder, 1952: 193 (type species: *aemulus*).
- Horion, 1963: 137 (list of central European species).
- Lohse, 1964: 63 (characters; key to central European species).
- Scheerpeltz, 1968a: 17 (catalog of Austrian species).
- Tikhomirova, 1973a: 141 (checklist of species of USSR).
- Zanetti, 1987: 384 (characters; habitus; species of Italy).
- Zerche, 1992a: 139 (phylogenetic relationship).
- Zanetti, 1995: 9 (list of species of Italy).

aemulus Rosenhauer, 1847: 12 (*Anthophagus*; Type locality: Steinach in Tyrol).

- Kraatz, 1857d: 929 (*Anthophagus*; characters; Austria).
- Fauvel, 1865a: 316 [= 1865b: 66] (*Anthophagus*; characters; France).
- Fauvel, 1871a: 139 [= 1872: 113] (*Anthophagus*; characters; France; Italy).
- Redtenbacher, 1874: 266 (*Geodromicus*; characters; Austria).
- Fauvel, 1876a: 54 [= 1876: 239] (*Anthophagus*; Switzerland).
- Mulsant and Rey, 1880: 61 (*Geodromicus*; subgenus *Hygrogeus*; characters; France).
- Ganglbauer, 1895: 710 (*Hygrogeus*; characters; Alps).
- Luze, 1902d: 529 (*Hygrogeus*; characters; Alps).
- Bernhauer and Schubert, 1910: 78 (*Hygrogeus*; catalog).
- Portevin, 1929: 433 (*Anthophagus*; characters; France).
- Scheerpeltz, 1933: 1067 (*Hygrogeus*; catalog).
- Horion, 1935: 170 (*Hygrogeus*; characters; Alps; Austria).
- Horion, 1963: 137 (*Hygrogeus*; France; Switzerland; Italy; Germany; Austria).
- Lohse, 1964: 63 (*Hygrogeus*; characters; central Europe).
- Jarrige, 1968b: 76 (*Hygrogeus*; France).
- Zanetti, 1987: 384 (*Hygrogeus*; characters; Italy).
- Lucht, 1987: 90 (*Hygrogeus*; checklist; Germany; Austria).
- Zanetti, 1995: 9 (*Hygrogeus*; Italy).

▲ **DISTRIBUTION:** Germany, France, Switzerland, Italy, Austria.

cenisius Fairmaire, 1861a: 647 (*Anthophagus*; Type locality: Mont Cenis).

- Fauvel, 1865a: 316 [= 1865b: 66] (*Anthophagus*; synonym of *aemulus*).
- Fauvel, 1871a: 139 [= 1872: 113] (*Anthophagus*; synonym of *aemulus*).
- Mulsant and Rey, 1880: 61 (*Geodromicus*; synonym of *aemulus*).
- Ganglbauer, 1895: 710 (*Hygrogeus*; synonym of *aemulus*).
- Luze, 1902d: 529 (*Hygrogeus*; synonym of *aemulus*).
- Bernhauer and Schubert, 1910: 78 (*Geodromicus*; synonym of *aemulus*).

alticola Coiffait, 1983: 283 (*Hygrogeus*; Type locality: Cachemire: Bradinath [**Note:** Should spelling be Badrinath], 3500 m).

▲ **DISTRIBUTION:** India.

armatus Cameron, 1941, see: *Trichodromeus*.

atrocaeruleus Champion, 1925, see: *cyanipennis* Cameron, 1924.

brevisulcus Champion, 1925, see: *Trichodromeus*.

cenisius Fairmaire, 1861, see: *aemulus* Rosenhauer, 1847.

coeruleipennis Coiffait, 1983: 280 (*Hygrogeus*; Type locality: Cachemire: Badrinath, 3500 m).

▲ **DISTRIBUTION:** India.

cyanipennis Cameron, 1924b: 174 (*Hygrogeus*; Type locality: Chulli Khud, Charata District, 8000 feet).

- Cameron, 1930: 165 (*Hygrogeus*; characters; India).
- Scheerpeltz, 1933: 1067 (*Hygrogeus*; catalog).

▲ **DISTRIBUTION:** India.