

- depressus** Paykull, 1789: 70 (*Staphylinus*; Type locality: Suecia; [**Note:** See lectotype designation by Cuccodoro and Löbl, 1997]).
- Erichson, 1840: 905 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Switzerland; France).
 - Heer, 1841: 566 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Switzerland).
 - Hochhuth, 1849: 206 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Imeretia; Iberia).
 - Hardy, 1851: 64 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; notes; England).
 - Fairmaire and Laboulbène, 1856: 655 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; France).
 - Redtenbacher, 1857: 258 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Austria).
 - Kraatz, 1858b: 129 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Greece).
 - Thomson, 1861: 218 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Scandinavia).
 - Saulcy, 1862: 70 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; key characters).
 - Brisout, 1862: xlvi (sic) (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters).
 - Hochhuth, 1862: 112 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Russia).
 - Kraatz, 1868c: 349 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; notes).
 - Fauvel, 1871a: 54 [= 1872: 28] (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; France; Scandinavia; Britain; Germany; Switzerland; Austria; Greece; Russia; Alaska [**Note:** According to Cuccodoro and Löbl, 1996: 151, North American records cited as *sinuatocollis* are misidentifications of *angulicollis*]).
 - Fauvel, 1873b: 110 [= 1873c: 3] (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Caucasus).
 - Fauvel, 1874: 320 [= 1874b: 26] (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Siberia).
 - Redtenbacher, 1874: 283 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Austria).
 - Seidlitz, 1875: 231 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Baltic region).
 - J. Sahlberg, 1876: 224 (*Megarthus*; cited as *sinuatocollis*, spelled as *sinuaticollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Finland).
 - Mulsant and Rey, 1878b: 243 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; France).
 - Fowler, 1888: 430 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Britain).
 - Ganglbauer, 1895: 762 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Palaeartic region; North America [**Note:** According to Cuccodoro and Löbl, 1996: 151, North American records cited as *sinuatocollis* are misidentifications of *angulicollis*]).
 - Montandon, 1908: 77 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Romania).
 - Poppius, 1909: 3 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Lena Valley, Siberia).
 - Reitter, 1909: 198 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Germany).

- Bernhauer and Schubert, 1910: 36 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; catalog).
 - Johansen, 1914: 629 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Denmark).
 - Kemner, 1925: 71 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; larval characters).
 - Portevin, 1929: 457 (*Megarthus*; cited as *sinuatocollis*, spelled as *sinuaticollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; France).
 - Scheerpeltz, 1931a: 190 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters in key).
 - Scheerpeltz, 1933: 1030 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; catalog).
 - Kuusinen, 1933: 69 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; illustrations; Finland).
 - Scheerpeltz, 1947: 260 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters).
 - Palm, 1948: 42 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Sweden; Denmark; Norway; Finland).
 - Horion, 1963: 24 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Transbaikal; Scotland; Lapland; France; Italy; Dalmatia; Balkans; Romania; Hungary; Czechoslovakia; Germany; Austria).
 - Lohse, 1964: 23 (*Megarthus*; cited as *sinuatocollis*, spelled as *sinuaticollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; central Europe).
 - Pope, 1977: 22 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Britain).
 - Hammond, 1980: 135 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Ireland).
 - Tóth, 1982: 29 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; characters; Hungary).
 - Lucht, 1987: 85 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; France; Benelux; Denmark; Sweden).
 - Dettner and Reissenweber, 1991 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; defensive secretions: chemistry and systematics).
 - Welch, 1993: 227 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; ovariole number and ovary structure).
 - Boháč, 1993: 40 (*Megarthus*; Czech Republic; Slovakia).
 - Boháč, 1993: 40 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Czech Republic; Slovakia).
 - Øland, 1995: 23 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; host mushroom; Norway).
 - Muona and Viramo, 1995: 9 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; collected from dung of *Ursus arctos*; Finland).
 - Zanetti, 1995: 5 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1369]; Italy).
 - Cuccodoro and Löbl, 1997: 1364 (*Megarthus*; lectotype designation; specimens identified as *sinuatocollis* Lacordaire are *depressus*; characters; collecting notes; Palaearctic region, absent from southern Mediterranean region and Japan).
 - Ryabukhin, 1999: 12 (*Megarthus*; cited as *sinuatocollis*; [**Note:** Presumably misidentified, see Cuccodoro and Löbl, 1997: 1369]; catalog; habitat; distribution; northeastern Russia).
 - Kashcheev, 1999a: 57 (*Megarthus*; Kazakhstan).
 - ▲ **DISTRIBUTION:** Europe, Russia.
- emarginatus* Stephens, 1834: 332 (*Megarthus*; [**Note:** **Nomen dubium**; see Cuccodoro and Löbl, 1997]; Type locality: London; Suffolk; Woodland, Devon.; Raehills).
- Stephens, 1839: 423 (*Megarthus*; characters; England).
 - Hardy, 1851: 64 (*Megarthus*; synonym of *denticollis*).

- Ganglbauer, 1895: 762 (*Megarthus*; synonym of *depressus*).
- Bernhauer and Schubert, 1910: 35 (*Megarthus*; synonym of *depressus*).
- Cuccodoro and Löbl, 1997: 1351 (*Megarthus*; nomen dubium).

pusillus Stephens, 1834: 333 (*Megarthus*; [Note: **Nomen dubium**; see Cuccodoro and Löbl, 1997]; Type locality: New Forest, Hants).

- Stephens, 1839: 424 (*Megarthus*; characters; England).
- Hardy, 1851: 64 (*Megarthus*; synonym of *depressus*).
- G. Waterhouse, 1858: 32 (*Megarthus*; synonym of *depressus*).
- Ganglbauer, 1895: 762 (*Megarthus*; synonym of *depressus*).
- Bernhauer and Schubert, 1910: 36 (*Megarthus*; synonym of *depressus*).
- Cuccodoro and Löbl, 1997: 1351 (*Megarthus*; nomen dubium).

depressus: sensu Fauvel and others, see: *prosseni* Schatzmayr, 1904.

dissymmetricus Coiffait, 1977: 259 (*Megarthus*; Type locality: Phulchoki près Katmandu).

▲ **DISTRIBUTION**: Nepal.

dominicæ Cuccodoro and Löbl, 1995: 670 (*Megarthus*; Type locality: Uganda: Toro prov., Ruwenzori N. P., John Mate Camp, 3350 m).

▲ **DISTRIBUTION**: Uganda.

elevatus Coiffait, 1977: 254 (*Megarthus*; Type locality: Vallée Dzunda Khola près Talpi, région de Jumla, Népal occidental, 3000–3500 m).

▲ **DISTRIBUTION**: Nepal.

emarginatus Stephens, 1834, see: *depressus* Paykull, 1789.

excisus LeConte, 1863a: 58 (*Megarthus*; Type locality: Lake Superior).

- Fauvel, 1878d: 193 [= 1878e: 29] (*Megarthus*; characters; Lake Superior; New York).
- Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).
- Scheerpeltz, 1933: 1029 (*Megarthus*; catalog).
- Campbell and Davies, 1991: 87 (*Megarthus*; checklist; Canada).
- Cuccodoro and Löbl, 1996: 165 (*Megarthus*; characters; collecting notes; Alberta; British Columbia; Manitoba; New Brunswick; Newfoundland; Nova Scotia; Ontario; Prince Edward Island; Quebec; Yukon Territory; Alaska; Colorado; Illinois; Massachusetts; Minnesota; New Hampshire; New Jersey; New Mexico; New York; North Carolina; Oregon; Pennsylvania; South Dakota; Vermont; West Virginia; Wisconsin).
- Downie and Arnett, 1996: 429 (*Megarthus*; characters; USA).

▲ **DISTRIBUTION**: Canada, USA.

falasha Cuccodoro and Löbl, 1995: 671 (*Megarthus*; Type locality: Ethiopia: Gojam prov., 8 km W Falega, Birham, 10°46'N, 38°03'E, 2820 m).

- Cuccodoro, 1999a: 374, 376, 380 (*Megarthus*; characters; Ethiopia).

▲ **DISTRIBUTION**: Ethiopia.

fennicus Lahtinen, 1938: 254 (*Megarthus*; Type locality: Alajärvi; [Note: See lectotype designation by Cuccodoro and Löbl, 1997]. Also cited from Turku, Ruissalo).

- Palm, 1948: 43 (*Megarthus*; characters; Sweden; Norway; Finland).
- Cuccodoro and Löbl, 1997: 1369 (*Megarthus*; lectotype designation: Alajärvi; characters; collecting notes; North Europe; Siberia).

▲ **DISTRIBUTION**: Europe, Russia.

fernandezi Jarrige, 1952, see: *Metopsia*.

fijianus Cuccodoro, 1998: 107 (*Megarthus*; Type locality: Fiji: Viti Levu, Navai, base of Mt. Tamanivi, 1000 m).

▲ **DISTRIBUTION**: Fiji.

flavolimbatus Cameron, 1924b: 164, 165 (*Megarthus*; Type locality: Simla Hills: Matiana, Narkanda, Kotgarh, 7000 to 9200 feet).

- Cameron, 1930: 131 (*Megarthus*; characters; India).
- Scheerpeltz, 1933: 1029 (*Megarthus*; catalog).

▲ **DISTRIBUTION**: India.

flavosignatus Bierig, 1940: 378 (*Megarthus*; Type locality: Costa Rica: Carpintera).

▲ **DISTRIBUTION:** Costa Rica.

flavus Stephens, 1834, see: *Metopsia*.

franzi Scheerpeltz, 1947, see: *stercorarius* Mulsant and Rey, 1878.

gallicus C. Koch, 1938, see: *Metopsia*.

gigas Fagel, 1957a: 29 (*Megarthus*; Type locality: Urundi: territoire de Ngozi, Samutuku, 2600 m. Also cited from Belgian Congo).

— Cuccodoro and Löbl, 1995: 672 (*Megarthus*; characters; Burundi, Zaire).

▲ **DISTRIBUTION:** Burundi, Congo.

gomerense H. Franz, 1986, see: *Metopsia*.

gressitti Cuccodoro, 1998: 107 (*Megarthus*; Type locality: New Caledonia: Col des Roussettes, 450–550 m).

▲ **DISTRIBUTION:** New Caledonia.

harenaensis Cuccodoro, 1999a: 380 (*Megarthus*; Type locality: Ethiopia: Bale region, Bale Mountains National Park, Harena Forest, 2 km below Rira, 2850 m).

▲ **DISTRIBUTION:** Ethiopia.

hemipterus Illiger, 1794: 597 (*Silpha*; Type locality: Amt Campen, einige Stunden von Braunschweig).

— Olivier, 1795:(42): 38 (*Staphylinus*; [**Note:** Misidentified as *melanocephalus* Fabricius but cited by Bernhauer and Schubert, 1910: 36 as synonym of *hemipterus*; Olivier attributed *melanocephalus* to Paykull who attributed it to Fabricius. Cuccodoro and Löbl, 1997: 1372 cited *melanocephalus* Olivier as a synonym of *hemipterus*]; characters).

— Illiger, 1798: 355 (*Silpha*; also variety β; characters).

— Gyllenhal, 1813: 699 (*Omalium*; [**Note:** Misidentification: Bernhauer and Schubert, 1910: 36 cited *depressus* variety c Gyllenhal as a synonym of *hemipterus* Illiger; Gyllenhal's variety is not an available name]; characters; Sweden).

— Gyllenhal, 1813: 699 (*Omalium*; synonym of *depressus*).

— Erichson, 1839a: 645 (*Megarthus*; characters; Germany).

— Heer, 1839: 172 (*Megarthus*; characters; Switzerland).

— Erichson, 1840: 906 (*Megarthus*; characters; Europe).

— Redtenbacher, 1849: 757 (*Megarthus*; characters; Austria).

— Fairmaire and Laboulbène, 1856: 655 (*Megarthus*; characters; France).

— Redtenbacher, 1857: 258 (*Megarthus*; characters; Austria).

— Kraatz, 1857d: 1031 (*Megarthus*; characters; Germany).

— Thomson, 1861: 219 (*Megarthus*; characters; Scandinavia).

— Saulcy, 1862: 70 (*Megarthus*; key characters).

— Fauvel, 1871a: 54 [= 1872: 28] (*Megarthus*; characters; France; Europe).

— Redtenbacher, 1874: 283 (*Megarthus*; characters; Austria).

— Seidlitz, 1875: 232 (*Megarthus*; characters; Baltic region).

— Mulsant and Rey, 1878b: 249 (*Megarthus*; characters; France).

— Sharp, 1889: 468 (*Megarthus*; Japan).

— Fowler, 1888: 430 (*Megarthus*; characters; Britain).

— Ganglbauer, 1895: 763 (*Megarthus*; characters; Europe).

— Reitter, 1909: 198 (*Megarthus*; characters; Germany).

— Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).

— Johansen, 1914: 631 (*Megarthus*; characters; Denmark).

— Portevin, 1929: 457 (*Megarthus*; characters; France).

— Scheerpeltz, 1931a: 191 (*Megarthus*; characters in key).

— Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).

— Scheerpeltz, 1947: 262 (*Megarthus*; characters).

— Sawada, 1962: 14 (*Megarthus*; characters; Japan).

— Raianu, 1963: 85 (*Megarthus*; Romania).

— Horion, 1963: 26 (*Megarthus*; eastern Russia; England; Holland; Belgium; France; Spain; Switzerland; Italy; Romania; Hungary; Slovakia; Czech Republic; Germany; Austria).

- Lohse, 1964: 23 (*Megarathrus*; characters; central Europe).
 - Szujecki, 1969a: 247 (*Megarathrus*; notes; Poland).
 - Pope, 1977: 22 (*Megarathrus*; Britain).
 - Hammond, 1980: 135 (*Megarathrus*; may not be in Ireland).
 - Tóth, 1982: 30 (*Megarathrus*; characters; Hungary).
 - Lucht, 1987: 85 (*Megarathrus*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; France; Benelux).
 - Welch, 1993: 227 (*Megarathrus*; ovariole number and ovary structure).
 - Boháč, 1993: 40 (*Megarathrus*; Czech Republic; Slovakia).
 - Zanetti, 1995: 5 (*Megarathrus*; Italy).
 - Cuccodoro, 1996: 485 (*Megarathrus*; characters; Japan).
 - Cuccodoro and Löbl, 1997: 1372 (*Megarathrus*; characters; collecting notes; Palearctic region including Far East Russia and Japan).
 - Fowles, Alexander, and Key, 1999: 129 (*Megarathrus*; saproxylic species; status as endangered or threatened species; Britain).
 - Kashcheev, 1999a: 57 (*Megarathrus*; Kazakhstan).
- ▲ **DISTRIBUTION:** Europe, Russia, China, Japan.

nitiduloides Lacordaire, 1835: 493 (*Phloeobium*; Type locality: Paris; [**Note:** See lectotype designation by Cuccodoro and Löbl, 1997]).

- Erichson, 1839a: 645 (*Megarathrus*; synonym of *hemipterus*).
- Erichson, 1840: 906 (*Megarathrus*; synonym of *denticollis*).
- Redtenbacher, 1849: 757 (*Megarathrus*; synonym of *hemipterus*).
- Kraatz, 1857d: 1031 (*Megarathrus*; synonym of *hemipterus*).
- Mulsant and Rey, 1878b: 250 (*Megarathrus*; synonym of *hemipterus*).
- Ganglbauer, 1895: 763 (*Megarathrus*; synonym of *hemipterus*).
- Bernhauer and Schubert, 1910: 36 (*Megarathrus*; synonym of *hemipterus*).
- Cuccodoro and Löbl, 1997: 1372 (*Megarathrus*; lectotype designation; synonym of *hemipterus*).

heteropus Sawada, 1962: 14, 15 (*Megarathrus*; Type locality: Japan: Honshu: Aomori Pref.: Tsuta).

- J. Li, 1993: 18 (*Megarathrus*; cited as *heterops*; China).
- Cuccodoro, 1996: 495 (*Megarathrus*; synonym of *hemipterus*).
- Cuccodoro and Löbl, 1997: 1372 (*Megarathrus*; synonym of *hemipterus*).

heteropus Sawada, 1962, see: *hemipterus* Illiger, 1794.

hispanicum Scheerpeltz, 1960, see: *Metopsia*.

horticola Cuccodoro and Löbl, 1995: 673 (*Megarathrus*; Type locality: Uganda: Bugisu prov., Mt. Elgon, Sipi, 1750 m. Also cited from Kenya and Zaire).

▲ **DISTRIBUTION:** Congo, Kenya, Uganda.

hutu Cuccodoro and Löbl, 1995: 673 (*Megarathrus*; Type locality: Rwanda: Albert N. P., V. Visoke, Bishoke, 2800–3300 m. Also cited from Zaire).

▲ **DISTRIBUTION:** Congo, Rwanda.

inaequalis Bierig, 1940: 379 (*Megarathrus*; Type locality: Costa Rica: Vara Blanca, 1800 m, entre volcanes Barba y Poás).

▲ **DISTRIBUTION:** Costa Rica.

incubifer Cuccodoro, 1996: 486 (*Megarathrus*; Type locality: Japan).

▲ **DISTRIBUTION:** Japan.

integricollis Coiffait, 1977: 253 (*Megarathrus*; Type locality: Phulchoki près Katmandu).

▲ **DISTRIBUTION:** Nepal.

impressicollis Eppelsheim, 1893: 67 (*Megarathrus*; Type locality: Ost-Sibirien, in der Nähe von Irkutsk, von Tunka bis Munku-Sardik im Sajan'schen Gebirge).

- Bernhauer and Schubert, 1910: 36 (*Megarathrus*; catalog).
 - Cuccodoro, 1996: 485 (*Megarathrus*; characters; Japan).
 - Cuccodoro and Löbl, 1997: 1375 (*Megarathrus*; characters; Russia; Japan).
- ▲ **DISTRIBUTION:** Russia, Japan.

- japonicus** Sharp, 1874: 99 (*Megarthus*; Type locality: Japan; [**Note:** See lectotype designation by Cuccodoro, 1996]).
 — Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).
 — Cameron, 1949b: 460 (*Megarthus*; Japan).
 — Sawada, 1962: 12 (*Megarthus*; characters; Japan).
 — Nakane, 1963a: 82 (*Megarthus*; characters; habitus photograph; Japan).
 — Watanabe and Shibata, 1972: 60 (*Megarthus*; Yaku-shima Island).
 — Cuccodoro, 1996: 488 (*Megarthus*; lectotype designation; characters; Japan; China; Russia).
 — Cuccodoro and Löbl, 1997: 1375 (*Megarthus*; characters; China; Asian Russia).
 — Watanabe, 1998: 313 (*Megarthus*; Japan).
 ▲ **DISTRIBUTION:** Japan, China, Russia.
- kamerunensis** Bernhauer, 1942c: 348 (*Megarthus*; Type locality: Mont Cameroun: 1800–2000 m, versant Sud-Est).
 — Cuccodoro and Löbl, 1995: 674 (*Megarthus*; notes; Cameroon).
 ▲ **DISTRIBUTION:** Cameroon.
- kuscheli** Cuccodoro, 1998: 108 (*Megarthus*; Type locality: New Caledonia: Table Unio, near Col d'Amieu, 900 m).
 ▲ **DISTRIBUTION:** New Caledonia.
- longicornis** Wollaston, 1854: 615 (*Megarthus*; Type locality: Madeira: Funchal).
 — Wollaston, 1857: 206 (*Megarthus*; habitat; Madeira Islands).
 — Wollaston, 1865: 525 (*Megarthus*; notes; Madeira Islands; [**Note:** Also listed from the Canary Islands but these specimens were misidentified according to Cuccodoro and Löbl, 1997: 1376 and are now identified as *wollastoni*]).
 — Wollaston, 1871: 313 (*Megarthus*; notes).
 — Fauvel, 1902b: 49 (*Megarthus*; Madeira).
 — Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).
 — Smetana, 1963b: 31 (*Megarthus*; Madeira).
 — Cuccodoro and Löbl, 1997: 1376 (*Megarthus*; characters; collecting notes; Madeira).
 ▲ **DISTRIBUTION:** Madeira.
- magnicaudatus** Cuccodoro and Löbl, 1995: 674 (*Megarthus*; Type locality: Ethiopia: Balé prov., Adelay Forest, 3100 m).
 — Cuccodoro, 1999a: 376 (*Megarthus*; characters; Ethiopia).
 ▲ **DISTRIBUTION:** Ethiopia.
- mahnerti** Cuccodoro and Löbl, 1995: 675 (*Megarthus*; Type locality: Kenya: Central prov., Mt. Aberdares, near N. P. entrance, 2300 m. Also cited from Tanzania).
 ▲ **DISTRIBUTION:** Kenya, Tanzania.
- major** Cuccodoro and Löbl, 1995: 675 (*Megarthus*; Type locality: Zaire: Kivu, Albert N. P., Tshiaberimu sect., Kirungu, 2720 m).
 ▲ **DISTRIBUTION:** Congo.
- malaisei** Scheerpeltz, 1965: 144 (*Megarthus*; Type locality: N.E. Burma, Kambaiti, 7000 ft.).
 ▲ **DISTRIBUTION:** Myanmar.
- mammiger** Bierig, 1940: 375 (*Megarthus*; Type locality: Costa Rica: Vara Blanca, 1800 m, entre volcanes Barba y Poás).
 ▲ **DISTRIBUTION:** Costa Rica.
- maniwaata** Cuccodoro and Löbl, 1995: 676 (*Megarthus*; Type locality: Zaire: Ruwenzori Range, Albert N. P., Kalonge, river Nyamwamba, tributary of Butahu, 2010 m. Also cited from Rwanda).
 ▲ **DISTRIBUTION:** Congo, Rwanda.
- marginatus* Stephens, 1834, see: *denticollis* Beck, 1817.
- marginicollis* Lacordaire, 1835, see: *denticollis* Beck, 1817.
- maronitus** Fagel, 1968a: 190 (*Megarthus*; Type locality: Liban: Nabeh Safa, 1000 m).
 — Cuccodoro and Löbl, 1997: 1379 (*Megarthus*; characters; collecting notes; Lebanon).
 ▲ **DISTRIBUTION:** Lebanon.

- martensi** Coiffait, 1982: 131 (*Megarthus*; Type locality: Nepal: nördl. Dhaulagiri, Gompa/Tarakot, 3300–3400 m).
▲ **DISTRIBUTION:** Nepal.
- mastiger** Bierig, 1940: 376 (*Megarthus*; Type locality: Costa Rica: Vara Blanca, 1800 m, entre volcanes Barba y Poás).
▲ **DISTRIBUTION:** Costa Rica.
- merabet** Cuccodoro and Löbl, 1995: 676 (*Megarthus*; Type locality: Rwanda: Cyangugu Pref., around Nyakabuye. Also cited from Zaire).
▲ **DISTRIBUTION:** Congo, Rwanda.
- minus* Bruce, 1932, see: *denticollis* Beck, 1817.
- minor** Coiffait, 1977: 251 (*Megarthus*; Type locality: Région de Taksang près Tukche, Takala, Népal central).
▲ **DISTRIBUTION:** Nepal.
- montanus** Sawada, 1962: 14, 15 (*Megarthus*; Type locality: Japan: Honshu: Nagano Pref.: Inago-yu, 1500–2000 m).
— Cuccodoro, 1996: 489 (*Megarthus*; characters; China; Japan; Russia).
— Cuccodoro and Löbl, 1997: 1381 (*Megarthus*; characters; Far East Russia; China; Japan).
▲ **DISTRIBUTION:** Russia, China, Japan.
- subangulatus* Sawada, 1962: 14, 15 (*Megarthus*; subspecies of *montanus*; Type locality: Japan: Honshu: Nara Pref.: Mt. Oodaigahara).
— Cuccodoro, 1996: 489 (*Megarthus*; synonym of *montanus*).
— Cuccodoro and Löbl, 1997: 1381 (*Megarthus*; synonym of *montanus*).
- monticola** Cameron, 1942b: 322 (*Megarthus*; Type locality: Chyulu Hills, altitude 5600 feet).
— Cuccodoro and Löbl, 1995: 677 (*Megarthus*; characters; Kenya).
▲ **DISTRIBUTION:** Kenya.
- mukankundiyeorum** Cuccodoro and Löbl, 1995: 678 (*Megarthus*; Type locality: Rwanda: 25 km, N. Kibuye, Kayove, 2100 m).
▲ **DISTRIBUTION:** Rwanda.
- mwami** Cuccodoro and Löbl, 1995: 679 (*Megarthus*; Type locality: Burundi, Bururi terr., Nyamurenbe, 900 m. Also cited from Rwanda).
▲ **DISTRIBUTION:** Burundi, Rwanda.
- nanus** Cuccodoro and Löbl, 1995: 680 (*Megarthus*; Type locality: Africa or., Katona [= Tanzania, Moshi prov.], Mt. Kilimanjaro).
▲ **DISTRIBUTION:** Tanzania.
- negus** Cuccodoro and Löbl, 1995: 680 (*Megarthus*; Type locality: Ethiopia: Balê prov., Dinshu, 3200 m).
— Cuccodoro, 1999a: 376, 382 (*Megarthus*; characters; Ethiopia).
▲ **DISTRIBUTION:** Ethiopia.
- newtoni** Cuccodoro and Löbl, 1996: 168 (*Megarthus*; Type locality: USA: Arizona: Apache Co., Big L., 22 mi SW Eagar, 2700 m. Also cited from New Mexico).
▲ **DISTRIBUTION:** USA.
- nigerrimus** Cameron, 1941: 56 (*Megarthus*; Type locality: Kashmir: Gulmarg).
▲ **DISTRIBUTION:** India.
- nigrinus** J. Sahlberg, 1876: 225 (*Megarthus*; variety of *sinuatocollis*; Type locality: Ryska Lappmarken, Porjeguba, Finland; [**Note:** See lectotype designation by Cuccodoro and Löbl, 1997]. Also cited from Pekkala i Ruovesi; Gorki).
— Ganglbauer, 1895: 762 (*Megarthus*; variety of *sinuatocollis*).
— Münster, 1911: 277 (*Megarthus*; synonym of *sahlbergi*).
— Scheerpeltz, 1931a: 190 (*Megarthus*; characters in key).
— Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).
— Kuusinen, 1933: 67 (*Megarthus*; characters; illustrations; Finland).
— Scheerpeltz, 1947: 261 (*Megarthus*; characters).

- Palm, 1948: 42 (*Megarthus*; characters; Sweden; Norway; Finland).
- Muona and Viramo, 1995: 9 (*Megarthus*; collected from fungus; Finland).
- Cuccodoro and Löbl, 1997: 1381 (*Megarthus*; lectotype designation: Ryska Lappmarken, Porjeguba, Finland; characters; collecting notes; North Europe; Asian Russia).

▲ **DISTRIBUTION:** Europe, Russia.

sahlbergi Münster, 1911: 277 (*Megarthus*; Type locality: Lakselv in Porsanger; [**Note:** See lectotype designation by Cuccodoro and Löbl, 1997]. Also cited from Norwegen: Südvaranger; Karasjok; Målselvtal; Kongsberg und Kristiana).

- Scheerpeltz, 1931a: 190 (*Megarthus*; synonym of *nigrinus*).
- Scheerpeltz, 1933: 1030 (*Megarthus*; synonym of *nigrinus*).
- Scheerpeltz, 1947: 261 (*Megarthus*; synonym of *nigrinus*).
- Cuccodoro and Löbl, 1997: 1381 (*Megarthus*; lectotype designation: Lakselv, Pors.; synonym of *nigrinus*).

niloticus Cuccodoro and Löbl, 1995: 681 (*Megarthus*; Type locality: Uganda: Bugisu prov., Mt. Elgon, Sipi, 1750 m. Also cited from Rwanda and Zaire).

▲ **DISTRIBUTION:** Congo, Rwanda, Uganda.

nitiduloides Lacordaire, 1835 see: *hemipterus* Illiger, 1794.

nitidulus Kraatz, 1857d: 1028 (*Megarthus*; Type locality: Mollenfalde; [**Note:** See lectotype designation by Cuccodoro and Löbl, 1997]. Originally cited from Grafschaft Glatz; Cassel).

- Redtenbacher, 1857: 995 (*Megarthus*; characters; Austria).
- Saulcy, 1862: 70 (*Megarthus*; key characters).
- Fauvel, 1871a: 53 [= 1872: 27] (*Megarthus*; characters; France; Poland; Germany).
- Fauvel, 1873b: 109 [= 1873c: 2] (*Megarthus*; Siberia).
- Redtenbacher, 1874: 283 (*Megarthus*; characters).
- Mulsant and Rey, 1878b: 248 (*Megarthus*; characters; Switzerland; Germany).
- Ganglbauer, 1895: 763 (*Megarthus*; characters; Germany; Austria; Poland).
- Reitter, 1909: 198 (*Megarthus*; characters; Germany).
- Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).
- Portevin, 1929: 457 (*Megarthus*; characters; France).
- Scheerpeltz, 1931a: 191 (*Megarthus*; characters in key).
- Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).
- Kuusinen, 1933: 70 (*Megarthus*; characters; illustrations; Finland).
- Scheerpeltz, 1947: 262 (*Megarthus*; characters).
- Horion, 1963: 25 (*Megarthus*; Transbaikal; Britain; Norway; Sweden; Finland; Russia; Poland; Czech Republic; Slovakia; Romania; Balkans; Switzerland; Italy; France; Holland; Germany; Austria).
- Lohse, 1964: 23 (*Megarthus*; characters; central Europe).
- Smetana, 1964d: 51 (*Megarthus*; Czechoslovakia).
- Smetana, 1968: 227 (*Megarthus*; Mongolia).
- Smetana 1975c: 154 (*Megarthus*; Mongolia).
- Tóth, 1982: 30 (*Megarthus*; characters).
- Lucht, 1987: 85 (*Megarthus*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; France; Benelux; Sweden).
- Boháč, 1993: 40 (*Megarthus*; Czech Republic; Slovakia).
- Muona and Viramo, 1995: 9 (*Megarthus*; collected from dung of *Ursus arctos*; Finland).
- Zanetti, 1995: 5 (*Megarthus*; Italy).
- Cuccodoro and Löbl, 1997: 1384 (*Megarthus*; lectotype designation: Mollenfalde; characters; Europe, Far East Russia; Mongolia).

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

notabilis Cameron, 1941: 56 (*Megarthus*; Type locality: Darjeeling; Ghum district).

▲ **DISTRIBUTION:** India.

occidentalis Cuccodoro and Löbl, 1996: 171 (*Megarthus*; Type locality: Canada: British Columbia: Vancouver, Stanley Park, sea level. Also cited from Oregon).

▲ **DISTRIBUTION:** Canada, USA.

- ogloblini** Bruch, 1940: 111 (*Megarthus*; Type locality: Argentina: Misiones, Loreto).
 ▲ **DISTRIBUTION:** Argentina.
- oromo** Cuccodoro, 1999a: 382 (*Megarthus*; Type locality: Ethiopia: Bale region, Bale Mountains National Park, around Finchaya Habera, 3400 m).
 ▲ **DISTRIBUTION:** Ethiopia.
- ovalis** Cameron, 1950g: 5 (*Megarthus*; Type locality: Belgian Congo: volc. Visoke, alt. 2800–3300 m).
 — Cuccodoro and Löbl, 1995: 681 (*Megarthus*; characters; Rwanda; Zaire).
 — Assing and Wunderle, 2001: 36 (*Proteinus*; Cyprus).
 ▲ **DISTRIBUTION:** Congo, Rwanda.
- palmense* H. Franz, 1986, see: *Metopsia*.
- panga** Cuccodoro and Löbl, 1995: 682 (*Megarthus*; Type locality: Zaire: Kivu prov., Albert N. P., V. Mikeno, near Rweru, 2400 m).
 ▲ **DISTRIBUTION:** Congo.
- parallelus** Sharp, 1874: 99 (*Megarthus*; Type locality: Nagasaki; [**Note:** See lectotype designation by Cuccodoro, 1996]).
 — Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).
 — Sawada, 1962: 12 (*Megarthus*; characters; Japan).
 — Cuccodoro, 1996: 491 (*Megarthus*; lectotype designation; characters; Japan).
 ▲ **DISTRIBUTION:** Japan.
- subparallelus* Sawada, 1962: 12, 15 (*Megarthus*; Type locality: Japan: Honshu: Osaka Pref.: Katsuoji, Minoo).
 — Watanabe and Shibata, 1972: 60 (*Megarthus*; Yaku-shima Island).
 — Cuccodoro, 1996: 491 (*Megarthus*; synonym of *parallelus*).
- pecki** Cuccodoro and Löbl, 1996: 173 (*Megarthus*; Type locality: Canada: British Columbia: Metlakatla. Also cited from Alberta, Ontario, Illinois, Iowa, Michigan, Minnesota, New Hampshire, New York, North Carolina, Pennsylvania, Tennessee, Washington, and West Virginia).
 ▲ **DISTRIBUTION:** Canada, USA.
- peckorum** Cuccodoro, 1998: 109 (*Megarthus*; Type locality: New Caledonia: Col d'Amieu, north of La Foa, 500 m).
 ▲ **DISTRIBUTION:** New Caledonia.
- pictus** Motschulsky, 1845a: 39 (*Megarthus*; Type locality: Sitka; [**Note:** See lectotype designation by Cuccodoro and Löbl, 1996]. Originally cited from Nord de la Californie).
 — Mäklin, 1852: 324 (*Megarthus*; characters; notes; Sitka).
 — Fauvel, 1878d: 193 [= 1878e: 29] (*Megarthus*; characters; Sitka Island).
 — Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).
 — Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).
 — Hatch, 1957: 108 (*Megarthus*; characters; British Columbia; Washington; Oregon).
 — Campbell and Davies, 1991: 87 (*Megarthus*; checklist; USA; Canada).
 — Cuccodoro and Löbl, 1996: 177 (*Megarthus*; lectotype designation: Sitka; characters; British Columbia; California; Oregon; Washington).
 ▲ **DISTRIBUTION:** Canada, USA.
- primus** Cuccodoro, 1995: 259 (*Megarthus*; Type locality: Papua New Guinea, Morobe district, Biar Road, Mt. Kolorong, 7°28'40"S, 146°49'20"E, 2200 m).
 — Cuccodoro, 1998: 112 (*Megarthus*; characters; Papua New Guinea; Irian Jaya).
 ▲ **DISTRIBUTION:** New Guinea.
- proseni** Schatzmayr, 1904: 212 (*Megarthus*; Type locality: Teufelsgraben, Villach, Dobratschgebiet, Carinthia, Austria; [**Note:** See lectotype designation by Cuccodoro and Löbl, 1997]).
 — Olivier, 1795:(42): 36 (*Staphylinus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters).
 — Paykull, 1800: 412 (*Staphylinus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Sweden).

- Gyllenhal, 1810: 210 (*Omalium*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters).
- Gyllenhal, 1813: 699 (*Omalium*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters for two varieties; Sweden).
- Gyllenhal, 1827: 464 (*Omalium*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]).
- C. Sahlberg, 1827: 280 (*Omalium*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Finland).
- Curtis, 1829: 28 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; catalog; Britain).
- Curtis, 1829: 28 (*Megarthus*; cited as *macropterus* Gravenhorst; catalog; Britain).
- Mannerheim, 1830: 53 (*Omalium*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Finland; Sweden).
- Mannerheim, 1831: 467 (*Omalium*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Finland; Sweden).
- Stephens, 1834: 332 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; England).
- Stephens, 1834: 332 (*Megarthus*; cited as *macropterus* Gravenhorst; characters; England).
- Lacordaire, 1835: 494 (*Phloeobium*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; France).
- Zetterstedt, 1838: 50 (*Omalium*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; habitat; Lapland; Sweden).
- Westwood, 1838a: 18 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; type species).
- Erichson, 1839a: 644 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Germany).
- Heer, 1839: 171 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Switzerland).
- Stephens, 1839: 423 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; England).
- Erichson, 1839a: 644 (*Megarthus*; cited as *macropterus* Gravenhorst; synonym of *depressus*).
- Stephens, 1839: 423 (*Megarthus*; cited as *macropterus* Gravenhorst; characters; England).
- Erichson, 1840: 905 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Europe).
- Erichson, 1840: 905 (*Megarthus*; cited as *macropterus* Gravenhorst; synonym of *depressus*).
- Laporte, 1840: 191 (*Omalium*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; England; France; Sweden).
- Redtenbacher, 1849: 756 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Austria).
- Hardy, 1851: 64 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; notes; England).
- Hardy, 1851: 64 (*Megarthus*; cited as *macropterus* Gravenhorst; synonym of *depressus*).
- Fairmaire and Laboulbène, 1856: 654 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; France).
- Fairmaire and Laboulbène, 1856: 654 (*Megarthus*; cited as *macropterus* Gravenhorst; characters; France).
- Redtenbacher, 1857: 258 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Austria).
- Kraatz, 1857d: 1027 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Germany).
- Thomson, 1859: 52 (type species of *Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]).
- Thomson, 1861: 218 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Scandinavia).
- Saulcy, 1862: 70 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; key characters).

- Hochhuth, 1862: 112 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Russia).
- Fauvel, 1871a: 52 [= 1872: 26] (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; France; Europe).
- Redtenbacher, 1874: 283 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Austria).
- Seidlitz, 1875: 231 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Baltic region).
- J. Sahlberg, 1876: 224 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Finland).
- Mulsant and Rey, 1878b: 235 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; France).
- Mulsant and Rey, 1878b: 236 (*Megarthus*; cited as *macropterus* Gravenhorst; synonym of *depressus*).
- Fowler, 1888: 430 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Britain).
- Ganglbauer, 1895: 762 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Europe).
- Ganglbauer, 1895: 762 (*Megarthus*; cited as *macropterus* Gravenhorst; synonym of *depressus*).
- Poppius, 1905: 12 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Orkney Islands).
- Poppius, 1909: 3 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Lena Valley, Siberia).
- Reitter, 1909: 198 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Germany).
- Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).
- Bernhauer and Schubert, 1910: 35 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; catalog).
- Bernhauer and Schubert, 1910: 36 (*Megarthus*; cited as *macropterus* Gravenhorst; synonym of *depressus*).
- Johansen, 1914: 629 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Denmark).
- Kemner, 1925: 64 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; larval characters).
- Portevin, 1929: 456 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; France).
- Scheerpeltz, 1931a: 189 (*Megarthus*; characters in key).
- Scheerpeltz, 1931a: 188 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters in key).
- Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).
- Scheerpeltz, 1933: 1029 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; catalog).
- Kuusinen, 1933: 66 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; illustrations; Finland).
- Scheerpeltz, 1947: 258 (*Megarthus*; characters).
- Scheerpeltz, 1947: 257 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters).
- Palm, 1948: 41 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Sweden; Denmark; Norway; Finland).
- Horion, 1963: 22 (*Megarthus*; Alps).
- Horion, 1963: 21 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Germany; Austria).
- Lohse, 1964: 23 (*Megarthus*; characters; central Europe).
- Lohse, 1964: 23 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; central Europe).

- Smetana, 1964d: 51 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Czechoslovakia).
- Smetana, 1968: 226 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Mongolia).
- Szujceki, 1968a: 710 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Poland).
- Bacchus and Hammond, 1972: 62 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; donkey and elephant dung; Britain).
- Smetana 1975c: 154 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Mongolia).
- Pope, 1977: 22 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Britain).
- Hammond, 1980: 135 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; Ireland).
- Tóth, 1982: 29 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; Hungary).
- Lucht, 1987: 85 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; France; Benelux; Denmark; Sweden).
- Welch, 1993: 227 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; ovariole number and ovary structure).
- Zanetti, 1995: 5 (*Megarthus*; “*depressus* Auct. nec Paykull, 1789” cited as synonym; Italy).
- Cuccodoro, 1995: 262 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; water loading behavior).
- Muona and Viramo, 1995: 9 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; collected from dung of *Ursus arctos*; Finland).
- Sparacio, 1995: 137 (*Megarthus*; cited as *depressus*; [**Note:** Misidentified according to Cuccodoro and Löbl, 1997: 1387]; characters; notes; Sicily).
- Cuccodoro and Löbl, 1997: 1387 (*Megarthus*; lectotype designation: Teufelsgraben, Villach, Dobratschgebiet, Carinthia, Austria; characters; collecting notes; western Palaearctic region, evidently absent from Mediterranean region, records from Siberia and Far Eastern Russia need verification).
- Cuccodoro and Löbl, 1997: 1351 (*Megarthus*; cited as *macropterus* Gravenhorst; nomen dubium).
- Ryabukhin, 1999: 13 (*Megarthus*; cited as *depressus*; [**Note:** Based on the subsequent literature cited by Ryabukhin, I assume this reference is based on misidentifications; see Cuccodoro and Löbl, 1997: 1387]; catalog; habitat; distribution; northeastern Russia).

▲ **DISTRIBUTION:** Europe, Russia.

pusillus Stephens, 1834, see: *depressus* Paykull, 1789.

ras Cuccodoro and Löbl, 1995: 683 (*Megarthus*; Type locality: Ethiopia: Gonder [= Simên] prov., Arghine, 3500 m or higher).

— Cuccodoro, 1999a: 374 (*Megarthus*; characters; Ethiopia).

▲ **DISTRIBUTION:** Ethiopia.

retusus Stephens, 1834, see: *Metopsia*.

riedeli Cuccodoro, 1998: 113 (*Megarthus*; Type locality: Indonesia: Irian Jaya, Jayawijaya, Diuremna, 1900–2100 m).

▲ **DISTRIBUTION:** New Guinea.

rougemonti Cuccodoro and Löbl, 1995: 683 (*Megarthus*; Type locality: Ethiopia: Balê prov., Dinshu, 3200 m).

— Cuccodoro, 1999a: 376, 386 (*Megarthus*; characters; Ethiopia).

▲ **DISTRIBUTION:** Ethiopia.

rufomarginatus Cameron, 1914: 525 (*Megarthus*; Type locality: S. India: Nilgiri Hills).

— Cameron, 1924b: 166 (*Megarthus*; characters; India).

— Cameron, 1928d: 98 (*Megarthus*; Sumatra).

- Cameron, 1930: 129 (*Megarthus*; characters; India; Sumatra).
- Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).
- Cameron, 1934: 17 (*Megarthus*; India).
- ▲ **DISTRIBUTION:** India, Indonesia.

rufescens Stephens, 1834, see: *denticollis* Beck, 1817.

sahlbergi Munster, 1911, see: *nigrinus* J. Sahlberg, 1876.

sawadai Cuccodoro, 1996: 492 (*Megarthus*; Type locality: Japan: Honshu: Gunma Pref.: below Usui Pass, 750 m).

▲ **DISTRIBUTION:** Japan.

scotti Cuccodoro and Löbl, 1995: 684 (*Megarthus*; Type locality: Ethiopia: Gamo Gofa prov., Gughé highlands, Dita, c. 3000 m).

— Cuccodoro, 1999a: 376 (*Megarthus*; characters; Ethiopia).

▲ **DISTRIBUTION:** Ethiopia.

scriptus Sharp, 1889: 469 (*Megarthus*; Type locality: Chuzenji, Gunma Pref., Honshu, Japan; [Note: See lectotype designation by Cuccodoro, 1996]. Also cited from Yuyama).

— Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).

— Sawada, 1962: 10 (*Megarthus*; characters; Japan).

— Nakane, 1963a: 82 (*Megarthus*; characters; habitus photograph; Japan).

— Cuccodoro, 1996: 492 (*Megarthus*; lectotype designation: Chuzenji, Gunma Pref., Honshu, Japan; characters; Japan).

▲ **DISTRIBUTION:** Japan.

sculpticollis Coiffait, 1982: 131 (*Megarthus*; Type locality: Nepal: environs de Lughla, Khumbu).

▲ **DISTRIBUTION:** Nepal.

selenitus Cuccodoro and Löbl, 1995: 684 (*Megarthus*; Type locality: Uganda: Ruwenzori Range, Toro prov., above Kilembe, 2000 m).

▲ **DISTRIBUTION:** Uganda.

septempunctatus Champion, 1925: 102 (*Megarthus*; Type locality: W. Almora in Kumaon).

— Cameron, 1930: 132 (*Megarthus*; characters; India).

— Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).

▲ **DISTRIBUTION:** India.

serrula Wollaston, 1865: 525, 76 appendix (*Megarthus*; Type locality: Gomera: above Hermigua; [Note: See lectotype designation by Cuccodoro and Löbl, 1997]).

— Fauvel, 1902b: 50 (*Megarthus*; Canary Islands).

— Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).

— Cuccodoro and Löbl, 1997: 1390 (*Megarthus*; lectotype designation; characters; collecting notes; Canary Islands).

— Hernández, Outerelo, and Gamarra, 1994: 192 (*Megarthus*; Canary Islands).

— Assing, 1999a: 345 (*Megarthus*; Canary Islands).

▲ **DISTRIBUTION:** Canary Islands.

sexpunctatus Cameron, 1941: 57 (*Megarthus*; Type locality: Darjeeling: Ghum district).

▲ **DISTRIBUTION:** India.

shibatai Sawada, 1962: 13, 15 (*Megarthus*; Type locality: Japan: Honshu: Nagano Pref.: Inago-yu, 1500–2000 m).

— Cuccodoro, 1996: 494 (*Megarthus*; characters; Japan).

▲ **DISTRIBUTION:** Japan.

simienensis Fagel, 1957a: 30 (*Megarthus*; Type locality: Ethiopia: Simien, E. of Mindigabsa, over 10,000 ft.).

— Cuccodoro and Löbl, 1995: 685 (*Megarthus*; characters; Ethiopia).

— Cuccodoro, 1999a: 376 (*Megarthus*; characters; Ethiopia).

▲ **DISTRIBUTION:** Ethiopia.

- sinuatocollis** Lacordaire, 1835: 493 (*Phloeobium*; Type locality: Paris; [**Note: Nomen dubium**; see Cuccodoro and Löbl, 1997]).
 — Cuccodoro and Löbl, 1997: 1351 (*Megarthus*; nomen dubium).
 ▲ **DISTRIBUTION:** France.
- smetanai** Cuccodoro and Löbl, 1996: 181 (*Megarthus*; Type locality: Canada: British Columbia: 4 mi W Midway. Also cited from Northwest Territories, Quebec, and Alaska).
 ▲ **DISTRIBUTION:** Canada, USA.
- solitarius** Sharp, 1887: 743 (*Megarthus*; Type locality: Guatemala, Purula).
 — Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).
 ▲ **DISTRIBUTION:** Costa Rica, Guatemala.
- adelphus* Bierig, 1940: 377 (*Megarthus*; variety of *solitarius*; Type locality: Costa Rica: Carpintera, 1800 m).
- spathuliformis** Assing and Wunderle, 1999: 438 (*Megarthus*; Type locality: E. Islas Canarias, 11, La Palma, SW Laguna de Barlovento, Mte. Hueco, 1000 m).
 — Assing, 2000b: 115 (*Megarthus*; collecting notes; Canary Islands).
 ▲ **DISTRIBUTION:** Canary Islands.
- spinus** Cuccodoro and Löbl, 1995: 686 (*Megarthus*; Type locality: Uganda: Bugisu prov., Mt. Elgon, Sipi, 1750 m).
 ▲ **DISTRIBUTION:** Uganda.
- stercorarius** Mulsant and Rey, 1878b: 238 (*Megarthus*; Type locality: Hautes-Pyrénées; [**Note:** See lectotype designation by Cuccodoro and Löbl, 1997]).
 — Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).
 — Scheerpeltz, 1931a: 188 (*Megarthus*; characters in key).
 — Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).
 — Scheerpeltz, 1947: 257 (*Megarthus*; characters).
 — Zanetti, 1995: 5 (*Megarthus*; Italy).
 — Cuccodoro and Löbl, 1997: 1392 (*Megarthus*; lectotype designation; characters; collecting notes; Pyrenees; Alps; Carpathians; Caucasus).
 — Assing, Frisch, Kahlen, et al., 1998: 120 (*Megarthus*; note).
 ▲ **DISTRIBUTION:** Pyrenees, Alps, Carpathians, Caucasus.
- franzi* Scheerpeltz, 1947: 252 (*Megarthus*; Type locality: Österreich: Kärnten, Hohe Tauern, Sonnblick-Gruppe, Fleissgasthof; [**Note:** See lectotype designation by Cuccodoro and Löbl, 1997]).
 — Horion, 1963: 22 (*Megarthus*; Austria; Switzerland).
 — Lohse, 1964: 23 (*Megarthus*; characters; central Europe).
 — Lucht, 1987: 85 (*Megarthus*; checklist; Germany; Austria; Switzerland).
 — Zanetti, 1995: 5 (*Megarthus*; synonym of *stercorarius*).
 — Cuccodoro and Löbl, 1997: 1392 (*Megarthus*; lectotype designation: Fleissgasthof, Sonnblick-Gruppe, Hohe Tauern, Kärnten, Austria; synonym of *stercorarius*).
 — Assing, Frisch, Kahlen, et al., 1998: 120 (*Megarthus*; synonym of *stercorarius*).
- strandi** Scheerpeltz, 1931a: 188, 189 (*Megarthus*; Type locality: Asker am Westufer des Oslo-Fjords, zwischen Drammen und Oslo; [**Note:** See lectotype designation by Cuccodoro and Löbl, 1997]).
 — Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).
 — Kuusinen, 1933: 66 (*Megarthus*; characters; illustrations; Finland).
 — Scheerpeltz, 1947: 260 (*Megarthus*; characters).
 — Palm, 1948: 41 (*Megarthus*; characters; Sweden; Norway; Finland).
 — Cuccodoro and Löbl, 1997: 1395 (*Megarthus*; lectotype designation: W Oslo Fjord, Asker, Vestfold, Norway; characters; collecting notes; North Europe).
 ▲ **DISTRIBUTION:** Finland, Sweden, Norway.
- stylifer** Cuccodoro and Löbl, 1995: 686 (*Megarthus*; Type locality: Zaire: Ruwenzori range, Albert N. P., Kyandolire, river Mulaku, tributary of Kakalari, 1750 m).
 ▲ **DISTRIBUTION:** Congo.

subangulatus Sawada, 1962, see: *montanus* Sawada, 1963.

subparallelus Sawada, 1962, see: *parallelus* Sharp, 1874.

sumatrensis Cameron, 1928d: 98 (*Megarthus*; Type locality: Sumatra: Fort de Kock).

— Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).

— Cameron, 1933b: 339 (*Megarthus*; British North Borneo).

— Hammond, 1984: 195 (*Megarthus*; Borneo).

▲ **DISTRIBUTION:** Indonesia, Borneo.

tenoense H. Franz, 1986, see: *Metopsia*.

thomsoni Varenus, 1891: 22 (*Megarthus*; [Note: **Nomen dubium**; see Cuccodoro and Löbl, 1997]; Type locality: Skåne).

— Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).

— Scheerpeltz, 1931a: 191 (*Megarthus*; characters in key).

— Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).

— Cuccodoro and Löbl, 1997: 1351 (*Megarthus*; nomen dubium).

▲ **DISTRIBUTION:** Sweden.

tibialis Coiffait, 1977: 255 (*Megarthus*; Type locality: Vallée Dzunda Khola près Talphi, région de Jumla, 3000–3500 m).

▲ **DISTRIBUTION:** Nepal.

trisinuatus Cameron, 1924b: 163, 165 (*Megarthus*; Type locality: Chakrata District; Manjgaon, 6500 feet).

— Cameron, 1930: 130 (*Megarthus*; characters; India).

— Scheerpeltz, 1933: 1030 (*Megarthus*; catalog).

▲ **DISTRIBUTION:** India.

tukchensis Coiffait, 1984e: 383 (*Megarthus*; Type locality: Nepal central region de Taksang près de Tukche Takola).

▲ **DISTRIBUTION:** Nepal.

twa Cuccodoro and Löbl, 1995: 687 (*Megarthus*; Type locality: Kenya: Katamayu river [= Rift Valley prov., Gatamayu river?]. Also cited from Zaire).

▲ **DISTRIBUTION:** Congo, Kenya.

uhligi Cuccodoro and Löbl, 1997: 1398 (*Megarthus*; Type locality: Altai Sibir.).

▲ **DISTRIBUTION:** Kazakhstan.

umbonatus Fauvel, 1895: 194 (*Megarthus*; Type locality: Birmanie, Carin Asciiui Ghécu, 1400–1500; Sikkim, Darjeeling).

— Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).

— Cameron, 1924b: 165 (*Megarthus*; characters; India).

— Cameron, 1930: 127 (*Megarthus*; characters; Burma; Sikkim).

— Scheerpeltz, 1933: 1031 (*Megarthus*; catalog).

— Scheerpeltz, 1965: 99 (*Megarthus*; Burma).

▲ **DISTRIBUTION:** Myanmar, India.

vanschuytbroeckii Cuccodoro and Löbl, 1995: 687 (*Megarthus*; Type locality: Zaire: Ruwenzori Range, Albert N. P., Kalonge, river Nyamwamba, tributary of Butahu, 2010 m).

▲ **DISTRIBUTION:** Congo.

vastus Wendeler, 1926: 71 (*Megarthus*; Type locality: Philippineninsel Tabla).

— Scheerpeltz, 1933: 1031 (*Megarthus*; catalog).

▲ **DISTRIBUTION:** Philippines.

watutsi Cuccodoro and Löbl, 1995: 688 (*Megarthus*; Type locality: Rwanda: Albert N. P., at foot of V. Karisimbi, Lake n'Gando, 2400 m).

▲ **DISTRIBUTION:** Rwanda.

wittei Cameron, 1950g: 5 (*Megarthus*; Type locality: Belgian Congo: Sake, Kivu, alt. 1560 m).

— Cuccodoro and Löbl, 1995: 689 (*Megarthus*; characters; Cameroon, Kenya, Zaire).

▲ **DISTRIBUTION:** Cameroon, Congo, Kenya.

- wollastoni** Cuccodoro and Löbl, 1997: 1398 (*Megarthus*; Type locality: Canary Is.: Hierro: El Golfo, 800–1000 m).
 — Wollaston, 1864: 604 (*Megarthus*; [**Note:** Misidentified as *longicornis* according to Cuccodoro and Löbl, 1997: 1376]; characters; notes; Canary Islands).
 — Wollaston, 1865: 525 (*Megarthus*; [**Note:** The Canary Island specimens were misidentified as *longicornis* according to Cuccodoro and Löbl, 1997: 1376]; notes; Canary Islands).
 — Coiffait, 1954: 162 (*Megarthus*; [**Note:** Misidentified as *longicornis* according to Cuccodoro and Löbl, 1997: 1376]; Canary Islands).
 — Assing, 1999a: 345 (*Megarthus*; Canary Islands).
 — Assing and Wunderle, 1999: 437 (*Megarthus*; Canary Islands).
 ▲ **DISTRIBUTION:** Canary Islands.
- zekorum** Cuccodoro and Löbl, 1997: 1404 (*Megarthus*; Type locality: Pjestschanka, 8 km öst. Tschita, Transbaikalien).
 ▲ **DISTRIBUTION:** Russia.
- zerchei** Cuccodoro and Löbl, 1997: 1406 (*Megarthus*; Type locality: Russia: Primorskiy Krai, Sikhote-Alin, Biol. Stat. 30 km SE Chuguyevka, 44°05'N, 134°12'E, 650 m).
 ▲ **DISTRIBUTION:** Russia.
- zulu** Cuccodoro and Löbl, 1995: 690 (*Megarthus*; Type locality: Republic of South Africa: Cape Prov., S. Marathon, 34°02'S, 23°19'E. Also cited from Lesotho).
 ▲ **DISTRIBUTION:** Lesotho, South Africa.
- zunilensis** Sharp, 1887: 743 (*Megarthus*; Type locality: Guatemala, Cerro Zunil).
 — Bernhauer and Schubert, 1910: 36 (*Megarthus*; catalog).
 ▲ **DISTRIBUTION:** Guatemala.

Metopsia

[12 species; Palearctic Region]

- Metopsia* Wollaston, 1854: 616 (species included: *ampliata*). **TYPE SPECIES:** *Metopsia ampliata* Wollaston, fixed by monotypy.
 — Gemminger and Harold, 1868: 673 (catalog).
 — Schaum, 1852: 31 (cited as *Phloeobium*; list of species; Europe).
 — Wencker and Silbermann, 1866: 37 (list of species; collecting notes; France).
 — Fauvel, 1875a: II [= 1875b: 204] (synonym of *Phloeobium*).
 — Mulsant and Rey, 1878b: 254 (characters; cited as *Phloeobium*).
 — Heyden, Reitter, and Weise, 1891: 122 (cited as *Phloeobium*; list of species of Europe and Caucasus).
 — Ganglbauer, 1895: 764 (cited as *Phloeobium*; characters).
 — Fauvel, 1897d: 242 (catalog of species of Barbary, Madeira, and Canaries; cited as *Phloeobium*).
 — Heyden, Reitter, and Weise, 1906: 127 (list of species of Europe and Caucasus).
 — Reitter, 1909: 198 (characters).
 — Bernhauer and Schubert, 1910: 33 (world catalog; cited as *Phloeobium* with *Metopsia* as junior synonym; 3 species).
 — Petri, 1912: 50 (list of species of Siebenbürgen).
 — Johansen, 1914: 631 (characters; cited as *Phloeobium*).
 — Winkler, 1925: 325 (catalog for Palearctic region; cited as *Phloeobium*).
 — Porta, 1926: 8 (characters; species of Italy).
 — Roubal, 1930: 300 (catalog; cited as *Phloeobium*; Slovakia).
 — Joy, 1932: 93 (key to British species).
 — Scheerpeltz, 1933: 1026 (synonym of *Phloeobium*).
 — Kloet and Hincks, 1945: 160 (list of British species; type species: *clypeata*).
 — Palm, 1948: 38 (cited as *Phloeobium*; characters; species of Sweden).
 — Tottenham, 1949: 353, 405 (type species: *ampliata* Wollaston; list of British species).
 — Blackwelder, 1952: 242 (type species: *ampliata*).
 — Tottenham, 1954: 13 (characters; key to British species).

- Scheerpeltz, 1960a: 64 (key to species).
- Székessy, 1963: 10 (cited as *Phloeobium*; characters).
- Lohse, 1964: 21 (characters; key to central European species).
- Steel, 1966: 288 (larval characters).
- Kasule, 1966: 279 (larval characters).
- Scheerpeltz, 1968a: 3 (cited as *Phloeobium*; catalog of Austrian species).
- Tikhomirova, 1973a: 136 (cited as *Phloeobium*; checklist of species of USSR).
- Pope, 1977: 22 (list of British species).
- Topp, 1978: 307 (larval characters).
- Burakowski, Mroczkowski, and Stefańska, 1979: 9 (catalog; Poland).
- Muona, 1979: 17 (list of Scandinavian species).
- Uhlig and Vogler, 1981: 83 (list of some species collected in Germany; habitat and collecting notes).
- Tóth, 1982: 21 (characters; habitus; key to species of Hungary).
- H. Franz, 1986: 82 (cited as *Phloeobium*; key to species of Canary Islands).
- Segers, 1986: 17 (checklist of species; Belgium).
- Silfverberg, 1992: 21 (list of species of Fennoscandia, Denmark, and the Baltic States).
- Welch, 1993: 227 (ovariole number and ovary structure).
- Newton and Thayer, 1995: 299 (Proteinini).
- M. Hansen, 1996: 96 (list of Danish species).
- Angelini, 1991: 191 (list of species from high elevations of Calabria, Italy).
- Hernández, Outerelo, and Gamarra, 1994: 187 (checklist of species; Canary Islands).
- Zanetti, 1995: 4 (list of species of Italy).
- Sparacio, 1995: 138 (*Metopsia*; characters; notes; Sicily).
- Dauphin, 1997 (notes on species of France).
- Zerche, 1998 (revision, phylogeny and zoogeography; characters; habitus photographs; key to species; discussions; checklist of species).
- M. Hansen, Palm, Pedersen, and Runge, 1998: 70 (list of species collected in 1997; Denmark).
- Assing, Frisch, Kahlen, et al., 1998: 120 (Proteininae).

ampliata Wollaston, 1854: 616 (*Metopsia*; Type locality: Madeira: Ribeiro Frio edges of the Levada of Ribeiro Frio; Feijãa de Córte; [**Note:** See lectotype designation by Zerche, 1998]. Originally cited from Madeira: edges of the Levada of Ribeiro Frio; Feijãa de Córte).

- Wollaston, 1857: 206 (*Metopsia*; habitat; Madeira Islands).
- Wollaston, 1865: 525 (*Metopsia*; habitat; Madeira Islands).
- Fauvel, 1902b: 49 (*Metopsia*; Madeira).
- Bernhauer and Schubert, 1910: 33 (*Phloeobium*; catalog).
- C. Koch, 1938: 136 (*Phloeobium*; characters in key).
- Scheerpeltz, 1960a: 66 (*Phloeobium*; characters; Madeira).
- Zerche, 1998: 35 (*Metopsia*; lectotype designation: Ribeiro Frio; characters; Madeira).

▲ **DISTRIBUTION:** Madeira.

assingi Zerche, 1998: 33 (*Metopsia*; Type locality: Turcia mer., Avsallar b. Incekum, 22 km W. Alanya [Antalya]. Also cited from Cyprus, Greece, Lebanon, and Israel).

- Fagel, 1968a: 189 (*Phloeobium*; [**Note:** Misidentified as *gallicum* according to Zerche, 1998]; notes).
- Assing and Wunderle, 2001: 36 (*Metopsia*; Cyprus).

▲ **DISTRIBUTION:** Turkey, Cyprus, Greece, Lebanon, Israel.

canariensis Zerche, 1998: 48 (*Metopsia*; Type locality: Islas Canarias: Gran Canaria: 1200 m, Pinar de Tamadaba).

▲ **DISTRIBUTION:** Canary Islands.

cimicoides Wollaston, 1864: 605 (*Metopsia*; Type locality: Teneriffe: mountains above Taganana).

- Wollaston, 1865: 526 (*Metopsia*; habitat; notes; Canary Islands).
- Fauvel, 1902b: 49 (*Metopsia*; Canary Islands).
- Bernhauer and Schubert, 1910: 33 (*Phloeobium*; catalog).

- Scheerpeltz, 1960a: 66 (*Phloeobium*; characters; Canary Islands).
- H. Franz, 1986: 79 (*Phloeobium*; characters; Canary Islands).
- Zerche, 1998: 37 (*Metopsia*; characters; Canary Islands).

▲ **DISTRIBUTION:** Canary Islands.

fernandezii Jarrige, 1952a: 136 (*Phloeobium*; Type locality: Aguirre, Tenerife).

- Hernández, Outerelo, and Gamarra, 1994: 193 (*Metopsia*; may belong in *Megarthus* or *Proteinus*).
- Zerche, 1998: 37 (*Metopsia*; synonym of *cimicoides*).

clypeata P. W. J. Müller, 1821: 204 (*Silpha*; Type locality: Odenbach).

- Heer, 1839: 172 (*Megarthus*; characters; Switzerland).
- Erichson, 1840: 907 (*Phloeobium*; [**Note:** According to Zerche, 1998: 16, some specimens were misidentified by Erichson as *clypeata* and are now named *similis*]; characters; Germany; France).
- Heer, 1841: 566 (*Phloeobium*; characters).
- Fairmaire and Laboulbène, 1856: 656 (*Phloeobium*; characters; France).
- Fauvel, 1871a: 51 [= 1872: 25] (*Phloeobium*; characters; France; Europe; Cyprus).
- Fauvel, 1873b: 109 [= 1873c: 2] (*Phloeobium*; Algeria).
- Seidlitz, 1875: 231 (*Phloeobium*; characters; Baltic region).
- Fauvel, 1878: 86 [= 1878a: 6] (*Phloeobium*; Algeria).
- Mulsant and Rey, 1878b: 256 (*Phloeobium*; characters; France).
- Fauvel, 1886: 12 [= 1886a: 4] (*Phloeobium*; Algeria).
- Fowler, 1888: 431 (*Phloeobium*; characters; Britain).
- Ganglbauer, 1895: 764 (*Phloeobium*; [**Note:** According to Zerche, 1998: 16, some specimens were misidentified by Erichson as *clypeata* and are now named *similis*]; characters; middle and southern Europe).
- Fauvel, 1902b: 49 (*Metopsia*; Algeria; Tunisia).
- Sainte-Claire Deville, 1907: 14 (*Metopsia*; [**Note:** According to Zerche, 1998: 16, some specimens were misidentified by Erichson as *clypeata* and are now named *similis*]; characters; France).
- Montandon, 1908: 77 (*Metopsia*; Romania).
- Bernhauer and Schubert, 1910: 33 (*Phloeobium*; catalog).
- J. Sahlberg, 1913: 58 (*Phloeobium*; Caramania).
- Johansen, 1914: 631 (*Phloeobium*; characters; Denmark).
- Portevin, 1929: 456 (*Metopsia*; characters; France).
- Scheerpeltz, 1933: 1026 (*Phloeobium*; catalog).
- C. Koch, 1938: 138 (*Phloeobium*; characters in key; Germany; Bosnia; Italy; Sicily).
- Tottenham, 1939d: 227 (*Phloeobium*; type species of *Phloeobium*).
- Español, 1945: 90 (*Phloeobium*; Spain).
- Scheerpeltz, 1961d: 116 (*Phloeobium*; Italy).
- Scheerpeltz, 1963a: 414 (*Phloeobium*; Greece).
- Lohse, 1964: 21 (*Metopsia*; characters; central Europe).
- Coiffait, 1968c: 505 (*Metopsia*; Corsica).
- Fagel, 1968a: 189 (*Phloeobium*; notes).
- Ashworth, 1972: 214 (*Metopsia*; cited as “*clypeata* or *gallica*”; late-glacial subfossil; Britain).
- Bordoni, 1974b: 2 (*Phloeobium*; Italy).
- Legner and Moore, 1977: 175 (*Metopsia*; found under bark).
- H. Franz, 1984: 59 (*Phloeobium*, cited as *Phlaeobium*; Macedonia).
- H. Franz, 1987: 69 (*Phloeobium*; Cyprus).
- Ádám, 1987: 136 (*Metopsia*; collecting notes; Hungary).
- Lucht, 1987: 85 (*Metopsia*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; Denmark; Sweden).
- Boháč, 1993: 40 (*Metopsia*; Czech Republic; Slovakia).
- Assing, 1994a: 17 (*Metopsia*; wing length; xerothermous sites; notes; Germany).
- Zanetti, 1995: 4 (*Metopsia*; Italy).
- Dauphin, 1997: 148 (*Metopsia*; characters; notes; France; Spain; Portugal; Italy; Algeria).

- Zerche, 1998: 25 (*Metopsia*; characters; Germany; Austria; Switzerland; Sweden; Britain; France; Spain; Portugal; Italy; Algeria).
- ▲ **DISTRIBUTION:** Europe, Morocco, Algeria, Tunisia.
- flava* Stephens, 1834: 331 (*Megarthrus*; Type locality: London).
- Stephens, 1839: 423 (*Megarthrus*; variety of *retusus*; characters; England).
- G. Waterhouse, 1858: 32 (*Phloeobium*; synonym of *clypeatum*).
- Ganglbauer, 1895: 764 (*Phloeobium*; synonym of *clypeatum*).
- Bernhauer and Schubert, 1910: 33 (*Phloeobium*; synonym of *clypeatum*).
- Scheerpeltz, 1960a: 65 (*Phloeobium*; synonym of *clypeatum*).
- Zerche, 1998: 25 (*Metopsia*; synonym of *clypeata*).
- retusa* Stephens, 1834: 331 (*Megarthrus*; Type locality: near London; Suffolk; [**Note:** See lectotype designation by Zerche, 1998]).
- Stephens, 1839: 423 (*Megarthrus*; characters; England).
- G. Waterhouse, 1858: 32 (*Phloeobium*; synonym of *clypeatum*).
- Ganglbauer, 1895: 764 (*Phloeobium*; synonym of *clypeatum*).
- Bernhauer and Schubert, 1910: 33 (*Phloeobium*; synonym of *clypeatum*).
- Scheerpeltz, 1960a: 65 (*Phloeobium*; cited as *refusum*; synonym of *clypeatum*).
- Pope, 1977: 22 (*Metopsia*; Britain).
- Hammond, 1980: 135 (*Metopsia*; Ireland).
- Welch, 1993: 227 (*Metopsia*; ovariole number and ovary structure).
- Zanetti, 1995: 4 (*Metopsia*; cited as *refusa*; Italy).
- Zerche, 1998: 25 (*Metopsia*; lectotype designation: [**Note:** Locality not cited]; synonym of *clypeata*).
- corticalis* Lacordaire, 1835: 494 (*Phloeobium*; Type locality: Paris).
- Erichson, 1839a: 646 (*Megarthrus*; synonym of *clypeatus*).
- Heer, 1839: 172 (*Megarthrus*; synonym of *clypeatus*).
- Erichson, 1840: 907 (*Phloeobium*; synonym of *clypeatum*).
- Kraatz, 1857d: 1033 (*Phloeobium*; synonym of *clypeatum*).
- Mulsant and Rey, 1878b: 257 (*Phloeobium*; synonym of *clypeatum*).
- Ganglbauer, 1895: 764 (*Phloeobium*; synonym of *clypeatum*).
- Bernhauer and Schubert, 1910: 33 (*Phloeobium*; synonym of *clypeatum*).
- Scheerpeltz, 1960a: 65 (*Phloeobium*; synonym of *clypeatum*).
- Zerche, 1998: 25 (*Metopsia*; synonym of *clypeata*).
- gallica* C. Koch, 1938: 135 (*Phloeobium*; Type locality: Francia centrale: Indre-et-Loire: Tours; [**Note:** See lectotype designation by Zerche, 1998]. Also cited from Sardegna: Sorgono; Aritzo, Macomer, Decimo presso Cagliari, Sadali. Algeria: Bou-Berak, Constantine).
- Scheerpeltz, 1960a: 65 (*Phloeobium*; characters; France; Sardinia; Algeria; Morocco).
- Horion, 1963: 21 (*Phloeobium*; Britain; Holland; France; Spain; Algeria; Sardinia; Germany).
- Lohse, 1964: 21 (*Metopsia*; characters; central Europe).
- Kasule, 1966: 279 (*Metopsia*; larval characters).
- Pope, 1977: 22 (*Metopsia*; synonym of *retusa*).
- Tóth, 1982: 22 (*Metopsia*; characters).
- Lundberg, 1986: 149 (*Metopsia*; Sweden).
- Lucht, 1987: 85 (*Metopsia*; checklist; France; Benelux).
- Lohse and Lucht, 1989: 122 (*Metopsia*; synonym of *retusa*).
- Zanetti, 1995: 4 (*Metopsia*; synonym of *retusa*, cited as *refusa*).
- Dauphin, 1997: 148 (*Metopsia*; characters; valid species; notes; Italy; Sicily; Corsica; France).
- Zerche, 1998: 25 (*Metopsia*; lectotype designation: Indre-et-Loire, Tours; synonym of *clypeata*).
- hispanica* Scheerpeltz, 1960a: 66 (*Phloeobium*; Type locality: Spanien, Ronda; [**Note:** See lectotype designation by Zerche, 1998]. Originally cited from südlichste Randgebirge der iberischen Halbinsel, Sierra di Ronda, Sierra Alfacar).
- Zerche, 1998: 26 (*Metopsia*; lectotype designation: Spanien, Ronda; synonym of *clypeata*).

corticalis Lacordaire, 1835, see: *clypeata* P. W. J. Müller, 1821.

elytrata Zerche, 1998: 42 (*Metopsia*; Type locality: Isl. Can.: Tenerife: Anaga, NO Chinobre, 800 m).

▲ **DISTRIBUTION:** Canary Islands.

feloï Zerche, 1998: 44 (*Metopsia*; Type locality: Tenerife: Mte. del Agua, Los Silos).

▲ **DISTRIBUTION:** Canary Islands.

fernandezi Jarrige, 1952, see: *cimicoïdes* Wollaston, 1864.

fernandezi Last, 1957, see: *tenoensis* H. Franz, 1986.

flava Stephens, 1834, see: *clypeata* P. W. J. Müller, 1821.

gallica C. Koch, 1938, see: *clypeata* P. W. J. Müller, 1821.

gomerensis H. Franz, 1986: 79 (*Phloeobium*; Type locality: El Cedro auf La Gomera).

— Fauvel, 1902b: 49 (*Metopsia*; [Note: Some specimens misidentified as *cimicoïdes* according to Zerche, 1998]; Canary Islands).

— Coiffait, 1954: 162 (*Metopsia*; [Note: Misidentified as *cimicoïdes* according to Zerche, 1998]; Canary Islands).

— Zerche, 1998: 51 (*Metopsia*; characters; Canary Islands).

— Assing, 1999a: 345 (*Metopsia*; Canary Islands).

▲ **DISTRIBUTION:** Canary Islands.

hispanica Scheerpeltz, 1960, see: *clypeata* P. W. J. Müller, 1821.

neglecta Zerche, 1998: 40 (*Metopsia*; Type locality: Isl. Can.: Tenerife: Cumbre Dorsal, Esperanza-Wald, 1250 m).

▲ **DISTRIBUTION:** Canary Islands.

palmensis H. Franz, 1986: 81 (*Phloeobium*; Type locality: O-Hang der Cumbre Nueva).

— Zerche, 1998: 49 (*Metopsia*; characters; Canary Islands).

— Assing and Wunderle, 1999: 434, 437 (*Metopsia*; collecting notes; Canary Islands).

▲ **DISTRIBUTION:** Canary Islands.

retusa Stephens, 1834, see: *clypeata* P. W. J. Müller, 1821.

similis Zerche, 1998: 16 (*Metopsia*; proposed for misidentification of *clypeata* by various work-

ers [Note: References specified by Zerche as misidentifications of *clypeata* have been moved to *similis*; some others still cited as subsequent references for *clypeata* may refer to *similis*]; Type locality: Deutschland: Brandenburg, NSG "Pimpinellenberg" bei Oderberg. Also cited from Austria, Czech Republic, Poland, Sweden, Denmark, Romania, Bulgaria, Slovenia, Croatia, Bosnia-Herzegovina, Macedonia, Greece, Italy, Switzerland, France, Ukraine, Belarus, Russia, Georgia, Azerbaijan, Turkey).

— Erichson, 1839a: 646 (*Megarthus*; [Note: Misidentified as *clypeatus* according to Zerche, 1998]; characters; Germany).

— Erichson, 1840: 907 (*Phloeobium*; [Note: Some specimens misidentified as *clypeatum* according to Zerche, 1998]; characters; Germany; France).

— Redtenbacher, 1849: 757 (*Phloeobium*; [Note: Misidentified as *clypeatum* according to Zerche, 1998]; characters; Austria).

— Kraatz, 1857d: 1033 (*Phloeobium*; [Note: Misidentified as *clypeatum* according to Zerche, 1998]; characters; Germany).

— Redtenbacher, 1857: 258 (*Phloeobium*; [Note: Misidentified as *clypeatum* according to Zerche, 1998]; characters; Austria).

— Hochhuth, 1862: 112 (*Phloeobium*; [Note: Misidentified as *clypeatum* according to Zerche, 1998]; Russia).

— Fauvel, 1871a: 51 [= 1872: 25] (*Phloeobium*; [Note: Some specimens misidentified as *clypeatum* according to Zerche, 1998]; characters; France; Europe; Cyprus).

— Redtenbacher, 1874: 283 (*Phloeobium*; [Note: Misidentified as *clypeatum* according to Zerche, 1998]; characters; Austria).

— Seidlitz, 1891: 336 (*Phloeobium*; [Note: Misidentified as *clypeatum* according to Zerche, 1998]; characters; Europe).

- Seidlitz, 1891a: 359 (*Phloeobium*; [**Note:** Misidentified as *clypeatum* according to Zerche, 1998]; characters; Europe).
- Ganglbauer, 1895: 764 (*Phloeobium*; [**Note:** Some specimens misidentified as *clypeatum* according to Zerche, 1998]; characters; middle and southern Europe).
- Sainte-Claire Deville, 1906: 66 (*Metopsia*; [**Note:** Misidentified as *clypeatum* according to Zerche, 1998]; Corsica).
- Sainte-Claire Deville, 1907: 14 (*Metopsia*; [**Note:** Some specimens misidentified as *clypeata* according to Zerche, 1998]; characters; France).
- Reitter, 1909: 198 (*Metopsia*; [**Note:** Misidentified as *clypeata* according to Zerche, 1998]; characters; Germany).
- Palm, 1948: 38 (*Metopsia*; [**Note:** Misidentified as *clypeatum* according to Zerche, 1998]; characters; Sweden; Denmark).
- Scheerpeltz, 1960a: 65 (*Phloeobium*; [**Note:** Misidentified as *clypeatum* according to Zerche, 1998]; characters; Europe).
- Horion, 1963: 19 (*Phloeobium*; [**Note:** Misidentified as *clypeatum* according to Zerche, 1998]; Denmark; Sweden; Czechoslovakia; Poland; Hungary; Romania; Bosnia Hercegovina; Serbia; Croatia; Macedonia; Greece; Russia; Italy; Switzerland; Belgium; Holland; Britain; Germany; Austria).
- Tóth, 1982: 21 (*Metopsia*; [**Note:** Misidentified as *clypeata* according to Zerche, 1998]; characters; Hungary).
- Burakowski, Mroczkowski, and Stefańska, 2000: 39 (*Metopsia*; catalog; Poland).
- Assing, 2001: 75 (*Metopsia*; collected from xerothermous site; Germany).
- ▲ **DISTRIBUTION:** Europe, Russia, Georgia, Azerbaijan, Turkey.

tenoensis H. Franz, 1986: 80 (*Phloeobium*; Type locality: westlicher Teil des Mte. de Erjos unweit von El Palmar).

- Hernández, Outerelo, and Gamarra, 1994: 193 (*Metopsia* synonym of *fernandesi* Last).
- Zerche, 1998: 45 (*Metopsia*; characters; Canary Islands).
- ▲ **DISTRIBUTION:** Canary Islands.

fernandesi Last, 1957: 165 (*Metopsia*; [**preoccupied**]; Type locality: Canary Islands: Tenerife).

- Hernández, Outerelo, and Gamarra, 1994: 193 (*Metopsia*; notes; Canary Island).
- Zerche, 1998: 45 (*Metopsia*; synonym of *tenoensis*).

Proteinus

[36 species; Neotropical, Nearctic, Palaearctic, Ethiopian, and Oriental Regions]

Proteinus Latreille, 1797: 9 (without included species). **TYPE SPECIES:** *Dermestes brachypterus* Fabricius, fixed by action of the Commission, Opinion 876 (ICZN, 1969).

- Latreille, 1806: 298 (characters).
- Latreille, 1810: 183, 427 (characters).
- Leach, 1815: 92 (characters).
- Samouelle, 1819: 175 (characters).
- Billberg, 1820: 15 (cited as *Protinus*; characters; list of some species).
- Latreille, 1825: 245 (cited as *Proteine*; characters).
- Latreille, 1825a: 215 (characters).
- Berthold, 1827: 332 (characters).
- Curtis, 1829: 28, 245 (cited as *Proteinnus* in column 28 and corrected on column 245; catalog; British species).
- Stephens, 1829a: 24 (catalog; Britain).
- Stephens, 1829: 295 (catalog; Britain).
- Latreille, 1829: 440 (characters).
- Mannerheim, 1830: 10, 57 (key; characters).
- Mannerheim, 1831: 424, 471 (key; characters).
- Dejean, 1833: 69 (list of species).
- Stephens, 1834: 334 (characters; habitat).

- Gistel, 1834: 9 (list of species).
- Lacordaire, 1835: 490 (characters).
- Westwood, 1838a: 18 (*Proteinus*; type species).
- Erichson, 1839a: 642 (characters).
- Heer, 1839: 170 (characters).
- Stephens, 1839: 422 (characters).
- Erichson, 1840: 902 (characters).
- Laporte, 1840: 193 (characters).
- Redtenbacher, 1849: 755 (characters).
- Schaum, 1852: 31 (list of species; Europe).
- Lacordaire, 1854: 146 (characters; notes; list of species).
- Fairmaire and Laboulbène, 1856: 653 (characters).
- Gistel, 1856: 390 (cited as *Protinus*; list of species).
- Jacquelin du Val, 1857: 78 (characters).
- Redtenbacher, 1857: 256 (characters; key to Austrian species).
- Kraatz, 1857d: 1022 (characters).
- Thomson, 1858: 38 (characters).
- G. Waterhouse, 1858: 32 (catalog of British species).
- Thomson, 1859: 52 (characters; type species: *brachypterus*).
- Schaum, 1859: 32 (catalog; European species).
- LeConte, 1861a: 71 (characters).
- Thomson, 1861: 217 (characters).
- Gredler, 1863: 127 (list of species from Tirol).
- LeConte, 1863: 26 (list of North American species).
- Wencker and Silbermann, 1866: 37 (list of species; collecting notes; France).
- Fauvel, 1867a: 49 [= 1868: 54] (characters).
- Jacquelin du Val, 1868: 82 (catalog; European species).
- Fauvel, 1871a: 55 [= 1872: 29] (cited as *Protinus*; characters; key to species).
- Sharp, 1871d: 14 (list of British species).
- Redtenbacher, 1874: 281 (characters; key to Austrian species).
- Fauvel, 1878d: 194 [= 1878e: 30] (key to North American species).
- Mulsant and Rey, 1878b: 218 (characters; key to French species).
- Heyden, 1880: 84 (cited as *Protinus*; list of species of Siberian region).
- Duvivier, 1883: 201 (catalog; cited as *Protinus*).
- Fowler, 1888: 427 (notes; key to British species).
- Seidlitz, 1891: 337 (key to some European species).
- Seidlitz, 1891a: 359 (key to some European species).
- Heyden, Reitter, and Weise, 1891: 122 (cited as *Protinus*; list of species of Europe and Caucasus).
- Heyden, 1893: 49 (cited as *Protinus*; list of species of Siberian region).
- Ganglbauer, 1895: 757 (characters; key to middle European species).
- Heyden, 1896: 37 (cited as *Protinus*; list of species of Siberian region).
- Fauvel, 1897d: 243 (catalog of species of Barbary).
- Heyden, Reitter, and Weise, 1906: 127 (list of species of Europe and Caucasus).
- Sainte-Claire Deville, 1907: 17 (key to species of Seine Basin, France).
- Reitter, 1909: 198 (characters; key to German species).
- Bernhauer and Schubert, 1910: 33 (world catalog; 14 species).
- Petri, 1912: 51 (list of species of Siebenbürgen).
- Johansen, 1914: 626 (characters; key to Danish species).
- Leng, 1920: 93 (catalog of North American species).
- Doderò, 1923: 45 (key to Italian species).
- Winkler, 1925: 325 (catalog for Palaearctic region).
- Cameron, 1925: 103 (catalog of Indian species).
- Porta, 1926: 9 (characters; key to species of Italy).
- Portevin, 1929: 457 (characters; key to French genera).
- Cameron, 1930: 123 (characters; key to British Indian species).

- Sjöberg, 1930: 188 (key to species).
- Roubal, 1930: 302 (catalog; Slovakia).
- Joy, 1932: 94 (key to British species).
- Scheerpeltz, 1933: 1026 (world catalog supplement).
- Normand, 1935: 356 (list of species of Tunisia).
- Scheerpeltz, 1937b: 186 (list of Bulgarian species).
- Blackwelder, 1944: 101 (checklist of species from Mexico, Central and South America, and the West Indies).
- Kloet and Hincks, 1945: 160 (list of British species).
- Scheerpeltz and Höfler, 1948: 151 (key to European species).
- Palm, 1948: 45 (characters; key to species of Sweden).
- Tottenham, 1949: 353, 405 (type species: *brachypterus* Fabricius; notes; list of British species).
- Blackwelder, 1952: 413 (type species: *pulicarius*).
- Tottenham, 1954: 14 (characters; key to British species).
- Hatch, 1957: 106 (characters; key to species of Pacific Northwest).
- Kocher, 1958: 92 (checklist of species; Morocco).
- Ferreira, 1962a: 9 (list of Portuguese species).
- Horion, 1963: 27 (list of central European species).
- Székessy, 1963: 11 (characters).
- Lohse, 1964: 24 (characters; key to central European species).
- Steel, 1966: 288 (larval characters).
- Kasule, 1966: 279 (larval characters).
- Jelinek and Steel, 1966 (application to Commission to designate as *Dermestes brachypterus* Fabricius as type species of genus and to place name on Official List of Generic Names in Zoology).
- Pototskaia, 1967: 19 (larval characters).
- Coiffait and Saiz, 1968: 456 (characters; Chilean species).
- Scheerpeltz, 1968a: 4 (catalog of Austrian species).
- ICZN, 1969 (*Proteinus* placed on Official List of Generic Names in Zoology; type species designation).
- Bordoni, 1973j: 655 (list of species from islands near Sicily).
- Tikhomirova, 1973a: 136 (checklist of species of USSR).
- Moore and Legner, 1974: 14 (characters; notes).
- Moore and Legner, 1975: 176 (catalog; North America north of Mexico).
- Shibata, 1976: 190 (checklist of species of Japan).
- Moore and Legner, 1976: 538 (includes seashore species; notes).
- Pope, 1977: 22 (list of British species).
- Topp, 1978: 307 (larval characters).
- Frank, 1979 (notes on habitat; generic nomenclature).
- Burakowski, Mroczkowski, and Stefańska, 1979: 13 (catalog; Poland).
- Moore and Legner, 1979: 158 (characters; notes).
- Muona, 1979: 17 (list of Scandinavian species).
- Uhlig, 1979: 242 (some species collected in Germany).
- Uhlig, Vogel, and Sieber, 1980: 240 (some species collected in Germany).
- Uhlig and Vogler, 1981: 83 (list of some species collected in Germany; habitat and collecting notes).
- Tóth, 1982: 23 (characters; habitus; key to species of Hungary).
- Frank and Thomas, 1984: 98 (notes on habitats; affinities of *peckorum*).
- Ádám, 1985: 251 (list of species from southeast Hungary).
- Frank, 1986a: 365 (checklist of species of Florida).
- Muona and Viramo, 1986: 14 (list of species of northeastern Finland).
- Segers, 1986: 17 (checklist of species; Belgium).
- Hayashi, 1988: 22 (key to species of Japan).
- M. Hansen, Kristensen, Mahler, Pedersen, 1991: 106 (list of Danish species).
- Angelini, 1991: 193 (list of species from high elevations of Calabria, Italy).
- Frank, 1991: 344 (larval characters).

- Campbell and Davies, 1991: 87 (checklist of species; Alaska and Canada).
- Silfverberg, 1992: 21 (list of species of Fennoscandia, Denmark, and the Baltic States).
- Siitonen, 1993: 230 (list of Finnish species).
- Welch, 1993: 227 (ovariole number and ovary structure).
- Boháč, 1993: 40 (list of species of Czech Republic and Slovakia).
- Newton and Thayer, 1995: 299 (Proteinini).
- M. Hansen, Liljehult, Mahler, and Pedersen, 1995: 27 (additional records to Danish list of species).
- Zanetti, 1995: 5 (list of species of Italy).
- Dauphin, 1995a: 101 (characters; habitat; notes; key to species of western Europe).
- M. Hansen, 1996: 96 (list of Danish species).
- M. Hansen, Mahler, Palm, and Pedersen, 1996: 240 (additions to list of Danish species).
- Downie and Arnett, 1996: 429 (characters; key to species of Northeastern North America).
- Newton, Thayer, Ashe, and Chandler, 2000: 343 (10 Nearctic species; notes; characters in key).

Macropterum Gistel, 1834: 9 (species included: *macropterum*). **TYPE SPECIES:** *Omalium macropterum* Gravenhorst, fixed by monotypy.

- Gistel, 1856: 267, 390 (list of species).
- Blackwelder, 1952: 229 (synonym of *Megarthus*; type species: *macropterum*).

Protinus Gemminger and Harold, 1868: 671 (emendation of *Proteinus*). **TYPE SPECIES:** *Dermestes brachypterus* Fabricius, fixed by objective synonymy with *Proteinus*.

Pteronius Blackwelder, 1952: 331 (**Note:** Proposed for the species of Staphylinidae included in *Proteinus* which, before action of the Commission, had a type species that would have placed it in the Nitidulidae). **TYPE SPECIES:** *Dermestes brachypterus* Fabricius, fixed by original designation.

- Muona, 1979: 17 (synonym of *Proteinus*).
- Ádám, 1987: 137 (list of three species with collecting notes; Hungary).
- Boháč, 1993: 40 (synonym of *Proteinus*).
- Ádám, 1996: 237 (list of species collected in Bükk National Park, Hungary).

altaicus Reitter, 1905a: 227 (*Proteinus*; Type locality: Altai, Ostsibirien; [**Note:** See lectotype designation by Muona, 1978]).

- Poppius, 1909: 3 (*Proteinus*; Lena Valley, Siberia).
- Bernhauer and Schubert, 1910: 33 (*Proteinus*; catalog).
- Scheerpeltz, 1933: 1026 (*Proteinus*; catalog).
- Muona, 1978: 125 (*Proteinus*; lectotype designation; synonymic notes).

▲ **DISTRIBUTION:** Finland, Russia.

apicidens Jansson and Sjöberg, 1929: 212 (*Proteinus*; Type locality: Hamra Naturschutzgebiet in Dalarna; Abisko im nördlichen Lappland).

- Sjöberg, 1930: 181 (*Proteinus*; characters; notes).
- Scheerpeltz, 1933: 1026 (*Proteinus*; catalog).
- Palm, 1948: 48 (*Proteinus*; characters; Finland; Sweden; Norway; [**Note:** The records from Norway and Sweden many refer to *hyperboreus*]).
- Lohse, 1964: 24 (*Proteinus*; characters; Scandinavia).
- Muona, 1978: 125 (*Proteinus*; synonym of *altaicus*).
- Lohse and Lucht, 1989: 122 (*Proteinus*; synonym of *altaicus*).

angelinii Dauphin, 1999: 135 (*Proteinus*; Type locality: Basilicata, Accettura, bosco Montepiano).

▲ **DISTRIBUTION:** Italy.

apicidens Jansson and Sjöberg, 1929, see: *altaicus* Reitter, 1905.

atomarius Erichson, 1840: 904 (*Proteinus*; Type locality: Germany).

- Redtenbacher, 1849: 756 (*Proteinus*; characters; Austria).
- Fairmaire and Laboulbène, 1856: 654 (*Proteinus*; characters; France).
- Redtenbacher, 1857: 257 (*Proteinus*; characters; Austria).
- Kraatz, 1857d: 1025 (*Proteinus*; characters; Germany).

- Thomson, 1861: 218 (*Proteinus*; characters; Scandinavia).
- Pandellé, 1867: 169 (*Proteinus*; characters; France).
- Gemminger and Harold, 1868: 672 (*Proteinus*; synonym of *clavicornis*).
- Fauvel, 1871a: 57 [= 1872: 31] (*Proteinus*; [**Note:** Bernhauer and Schubert, 1910: 33 cited this use by Fauvel of *clavicornis* as a synonym of *atomarius*; Fauvel did not describe the species as new, he attributed it to Stephens. Furthermore, Fauvel cited *atomarius* as a junior synonym of *clavicornis*]; synonym of *clavicornis*).
- Fauvel, 1873b: 110 [= 1873c: 3] (*Protinus*; Austria; Sicily; Sardinia; Russia).
- Redtenbacher, 1874: 282 (*Proteinus*; characters; Austria).
- Seidlitz, 1875: 232 (*Proteinus*; characters; Baltic region).
- Fauvel, 1876a: 47 [= 1876: 232] (*Protinus*; France; Corsica; Malta).
- J. Sahlberg, 1876: 224 (*Proteinus*; synonym of *clavicornis*).
- Fauvel, 1878: 87 [= 1878a: 7] (*Proteinus*, cited as *Protinus*; Algeria).
- Fauvel, 1878d: 196 [= 1878e: 32] (*Proteinus*; characters; Lake Superior; Michigan).
- Mulsant and Rey, 1878b: 230 (*Proteinus*; characters; France).
- Fauvel, 1886: 13 [= 1886a: 4] (*Proteinus*, cited as *Protinus*; Algeria; Morocco).
- Fowler, 1888: 428 (*Proteinus*; characters; Britain).
- Ganglbauer, 1895: 760 (*Proteinus*; characters; Europe; Mediterranean region; North America).
- Fauvel, 1902b: 50 (*Proteinus*; Morocco; Algeria; Tunisia).
- Reitter, 1905a: 228 (*Proteinus*; characters; Europe; Mediterranean region; Caucasus; North America).
- Sainte-Claire Deville, 1906: 67 (*Proteinus*, cited as *Protinus*; Corsica).
- Reitter, 1909: 199 (*Proteinus*; characters; Germany).
- Bernhauer and Schubert, 1910: 33 (*Proteinus*; catalog).
- Johansen, 1914: 628 (*Proteinus*; characters; Denmark).
- Portevin, 1929: 458 (*Proteinus*; characters; France).
- Sjöberg, 1930: 184 (*Proteinus*; characters; notes).
- Scheerpeltz, 1933: 1026 (*Proteinus*; catalog).
- Scheerpeltz and Höfler, 1948: 150 (*Proteinus*; fungus inhabitant).
- Palm, 1948: 52 (*Proteinus*; characters; Sweden; Denmark; Norway; Finland).
- Tottenham, 1949: 405 (*Proteinus*; checklist; Britain).
- Hatch, 1957: 106 (*Proteinus*; characters; British Columbia).
- Kocher, 1958: 92 (*Proteinus*; Morocco).
- Ferreira, 1962: 9 (*Proteinus*; Portugal).
- Horion, 1963: 31 (*Proteinus*; Britain; Scotland; Norway; Sweden; Finland; Denmark; Portugal; Spain; Balearics; France; Corsica; Italy; Sicily; Dalmatia; Hercegovina; Greece; Germany; Austria).
- Lohse, 1964: 25 (*Proteinus*; characters; central Europe).
- Smetana, 1964d: 51 (*Proteinus*; Czechoslovakia).
- Scheerpeltz, 1968a: 5 (*Proteinus*; catalog; Austria).
- Smetana, 1970: 54 (*Proteinus*; distributional summary; Azores).
- Korge, 1971a: 5 (*Proteinus*; Turkey).
- Smetana 1975c: 154 (*Proteinus*; Mongolia).
- Coiffait, 1976b: 83 (*Proteinus*; Greece; Corfu; Rhodes).
- Pope, 1977: 22 (*Proteinus*; Britain).
- Frank, 1979: 330, 336 (*Proteinus*; notes on nomenclature and North American records; species may not be in North America).
- Muona, 1979: 17 (*Proteinus*; Finland; Russia; Sweden; Norway; Denmark; Baltic States).
- Burakowski, Mroczkowski, and Stefańska, 1979: 13 (*Proteinus*; catalog; Poland).
- Hammond, 1980: 135 (*Proteinus*; unconfirmed in Ireland).
- Tóth, 1982: 28 (*Proteinus*; characters; Hungary).
- Frank and Thomas, 1984: 99, 100 (*Proteinus*; characters; Illinois).
- Muona and Viramo, 1986: 15 (*Proteinus*; Finland).
- Lucht, 1987: 85 (*Proteinus*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; France; Benelux; Denmark; Sweden).
- Borges, 1990: 93 (*Proteinus*; Azores).

- Dettner and Reissenweber, 1991 (*Proteinus*; defensive secretions: chemistry and systematics).
- Angelini, 1991: 193 (*Proteinus*; Italy).
- Campbell and Davies, 1991: 87 (*Proteinus*; checklist; USA; Canada).
- Silfverberg, 1992: 21 (*Proteinus*; Finland; Russia; Sweden; Norway; Denmark; Estonia; Latvia; Lithuania).
- Boháč, 1993: 40 (*Proteinus*; Czech Republic; Slovakia).
- Sparacio, 1995: 138 (*Proteinus*; characters; summary of distribution; notes; Sicily).
- Zanetti, 1995: 5 (*Proteinus*; Italy).
- Dauphin, 1995a: 108, 118 (*Proteinus*; characters; France).
- Downie and Arnett, 1996: 429 (*Proteinus*; characters; USA).
- M. Hansen, Mahler, Palm, and Pedersen, 1996: 240 (*Proteinus*; Denmark).
- M. Hansen, 1996: 96 (*Proteinus*; checklist; Denmark).
- Telnov, Bersevskis, Savich, Kovalevsky, Berdnikov, Doronin, Cibulskis, and Ratniece, 1997: 42 (*Proteinus*; Latvia).
- Anderson, Nash, and O'Connor, 1997: 16 (*Proteinus*; Ireland).
- Ryabukhin, 1999: 11 (*Proteinus*; catalog; habitat; distribution; northeastern Russia).
- Owen, 2000: 250 (*Proteinus*; pitfall trap collections from underground at roots of trees; Britain).
- Herman, 2001: 24 (*Proteinus*; nomen protectum).
- ▲ **DISTRIBUTION:** Tunisia, Algeria, Morocco, Azores, Europe, Russia, Mongolia, Canada (?), USA (?).

clavicornis Stephens, 1834: 334 (*Proteinus*; [**Note:** This name is older than *atomarius*]; Type locality: London; Suffolk; Oakhampton, Somerset).

- Stephens, 1839: 424 (*Proteinus*; characters; England).
- G. Waterhouse, 1858: 32 (*Proteinus*; synonym of *atomarius*; [**Note:** Waterhouse cited the “*clavicornis*, Kirby’s coll.” as a synonym of *atomarius*; Stephens’ description of *clavicornis* cited the species as “*Pr. clavicornis*. Kirby MSS”. I assume that Waterhouse’s use of *clavicornis* also referred to that of Stephens]).
- Gemminger and Harold, 1868: 672 (*Proteinus*; valid species).
- Fauvel, 1871a: 57 [= 1872: 31] (*Proteinus*; [**Note:** Fauvel cited this name as the senior synonym of *atomarius*]; characters; France; Scandinavia; Britain; Germany; Algeria; North America).
- J. Sahlberg, 1876: 224 (*Proteinus*; valid species; Finland).
- Mulsant and Rey, 1878b: 231 (*Proteinus*; Fauvel cited as author; synonym of *atomarius*).
- Ganglbauer, 1895: 760 (*Proteinus*; Fauvel cited as author; synonym of *atomarius*).
- Bernhauer and Schubert, 1910: 33 (*Proteinus*; cited with Fauvel as author; synonym of *atomarius*).
- Herman, 2001: 24 (*Proteinus*; nomen oblitum).

olivierii Saulcy, 1866: 51 (*Proteinus*; [**Note:** The original spelling of this name was *oliverii* but the name is a patronym for the collector, M. Olivier so the correct spelling is *olivierii* as was used by Ganglbauer and others]; Type locality: Bône).

- Fauvel, 1871a: 57 [= 1872: 31] (*Proteinus*; synonym of *clavicornis*).
- Ganglbauer, 1895: 760 (*Proteinus*; synonym of *atomarius*).
- Fauvel, 1902b: 50 (*Proteinus*; synonym of *atomarius*).
- Reitter, 1905a: 228 (*Proteinus*; synonym of *atomarius*).
- Bernhauer and Schubert, 1910: 33 (*Proteinus*; synonym of *atomarius*).

oblongus Petri, 1891: 22 (*Proteinus*; variety of *atomarius*; Type locality: Umgebung Schässburg).

- Ganglbauer, 1895: 759 (*Proteinus*; synonym of *limbatus*).
- Bernhauer and Schubert, 1910: 34 (*Proteinus*; synonym of *limbatus*).
- Scheerpeltz, 1933: 1027 (*Proteinus*; synonym of *crenulatus*).
- Tóth, 1982: 28 (*Proteinus*; characters; variety of *atomarius*).

basalis Mäklin, 1852: 324 (*Proteinus*; Type locality: insula Sitkha).

- Fauvel, 1878d: 195 [= 1878e: 31] (*Proteinus*; characters; Sitka Island).
- Bernhauer and Schubert, 1910: 33 (*Proteinus*; catalog).
- Sjöberg, 1930: 186 (*Proteinus*; characters; notes).

- Scheerpeltz, 1933: 1026 (*Proteinus*; catalog).
- Hatch, 1957: 107 (*Proteinus*; characters; British Columbia; Washington; Oregon; Idaho).
- Campbell and Davies, 1991: 87 (*Proteinus*; checklist; USA; Canada).

▲ **DISTRIBUTION:** Canada, USA.

brachypterus Fabricius, 1792: 235 (*Dermestes*; Type locality: Germania).

- Panzer, 1795: 103 (*Dermestes*; characters).
- Panzer, 1796: 10 (*Dermestes*; characters; illustration).
- Gravenhorst, 1806: 215 (*Omalium*; synonym of *ovatus* Gravenhorst).
- Latreille, 1806: 298 (*Proteinus*; characters; France).
- Gyllenhal, 1810: 207 (*Omalium*; characters).
- Olivier, 1811: 479 (*Omalium*; synonym of *ovatus*).
- Leach, 1815: 92 (*Proteinus*; characters; France; England).
- Samouelle, 1819: 175 (*Proteinus*; characters; England; France).
- Latreille, 1825a: 215 (*Proteinus*; characters; France).
- Gyllenhal, 1827: 464 (*Omalium*).
- C. Sahlberg, 1827: 279 (*Omalium*; characters; Finland).
- Curtis, 1829: 28 (*Proteinus*; catalog; Britain).
- Mannerheim, 1830: 57 (*Proteinus*; Finland; Sweden).
- Mannerheim, 1831: 471 (*Proteinus*; Finland; Sweden).
- Stephens, 1834: 334 (*Proteinus*; characters; habitat).
- Runde, 1835: 24 (*Proteinus*; characters; Germany).
- Lacordaire, 1835: 491 (*Proteinus*; characters; France).
- Erichson, 1839a: 642 (*Proteinus*; characters; Germany).
- Heer, 1839: 170 (*Proteinus*; characters; Switzerland).
- Stephens, 1839: 424 (*Proteinus*; characters; England).
- Erichson, 1840: 903 (*Proteinus*; characters; Europe).
- Laporte, 1840: 193 (*Proteinus*; characters; France).
- Hochhuth, 1849: 205 (*Proteinus*; characters; Caucasus).
- Redtenbacher, 1849: 756 (*Proteinus*; characters; Austria).
- Hardy, 1851: 63 (*Proteinus*; notes; England).
- Fairmaire and Laboulbène, 1856: 653 (*Proteinus*; characters; France).
- Gistel, 1856: 267 (*Arpedium*).
- Redtenbacher, 1857: 257 (*Proteinus*; characters; Austria).
- Kraatz, 1857d: 1024 (*Proteinus*; characters; Germany).
- Thomson, 1859: 52 (type species of *Proteinus*).
- Thomson, 1861: 217 (*Proteinus*; characters; Scandinavia).
- Pandellé, 1867: 169 (*Proteinus*; characters; France).
- Fauvel, 1871a: 57 [= 1872: 31] (*Proteinus*; characters; France; Europe; Algeria).
- Fauvel, 1873b: 110 [= 1873c: 3] (*Protinus*; Caucasus).
- Redtenbacher, 1874: 282 (*Proteinus*; characters; Austria).
- Seidlitz, 1875: 232 (*Proteinus*; characters; Baltic region).
- J. Sahlberg, 1876: 224 (*Proteinus*; Finland).
- Fauvel, 1878: 87 [= 1878a: 7] (*Protinus*; Algeria).
- Mulsant and Rey, 1878b: 223 (*Proteinus*; characters; France).
- Fauvel, 1886: 13 [= 1886a: 5] (*Protinus*; Algeria; Morocco).
- Fowler, 1888: 428 (*Proteinus*; characters; Britain).
- Ganglbauer, 1895: 759 (*Proteinus*; characters; Europe; Mediterranean region).
- Fauvel, 1902b: 50 (*Proteinus*; Morocco; Algeria; Tunisia).
- Reitter, 1905a: 228 (*Proteinus*; characters; Europe; Mediterranean region; Caucasus).
- Sainte-Claire Deville, 1906: 67 (*Protinus*; Corsica).
- Poppius, 1909: 3 (*Proteinus*; Lena Valley, Siberia).
- Reitter, 1909: 199 (*Proteinus*; characters; Germany).
- Bernhauer and Schubert, 1910: 33 (*Proteinus*; catalog).
- Johansen, 1914: 627 (*Proteinus*; characters; Denmark).
- Eichelbaum, 1914: 25 (*Proteinus*; abdominal segmentation; apical segments).
- Portevin, 1929: 458 (*Proteinus*; characters; France).

- Gridelli, 1930: 61 (*Proteinus*; Libya).
- Sjöberg, 1930: 177 (*Proteinus*; characters; notes; Sweden; Finland; Russia; Germany; Transylvania; England).
- Scheerpeltz, 1933: 1026 (*Proteinus*; catalog).
- Paulian, 1941: 143 (*Proteinus*; larval characters; Gold Coast).
- Scheerpeltz and Höfler, 1948: 150 (*Proteinus*; fungus inhabitant).
- Palm, 1948: 48 (*Proteinus*; characters; Sweden; Denmark; Norway; Finland).
- Jeannel and Jarrige, 1949: 323 (*Proteinus*; cave species; Romania).
- Hatch, 1957: 106 (*Proteinus*; characters; no specimens examined from Pacific Northwest; British Columbia).
- Scheerpeltz, 1963a: 414 (*Proteinus*; Greece).
- Horion, 1963: 30 (*Proteinus*; Lapland to Mediterranean region to eastern Siberia; Germany; Austria).
- Lohse, 1964: 24 (*Proteinus*; characters; central Europe).
- Smetana, 1964d: 51 (*Proteinus*; Czechoslovakia).
- Pototskaia, 1967: 19 (*Proteinus*; larval characters).
- Szujecki, 1968a: 710 (*Proteinus*; Poland).
- Pope, 1977: 22 (*Proteinus*; Britain).
- Jelinek and Steel, 1966 (application to Commission to designate *brachypterus* as type species of *Proteinus* and to place species on Official List of Specific Names in Zoology).
- ICZN, 1969 (name placed on Official List of Specific Names in Zoology; type species of *Proteinus*).
- Frank, 1979: 330 (*Proteinus*; notes on distribution in Canada [?] and USA [?]).
- Hammond, 1980: 135 (*Proteinus*; Ireland).
- Tóth, 1982: 24 (*Proteinus*; characters; Hungary).
- Frank and Thomas, 1984: 100 (*Proteinus*; characters).
- Lucht, 1987: 85 (*Proteinus*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; France; Benelux; Denmark; Sweden).
- Dettner and Reissenweber, 1991 (*Proteinus*; defensive secretions: chemistry and systematics).
- Campbell and Davies, 1991: 87 (*Proteinus*; checklist; USA; Canada).
- Welch, 1993: 227 (*Proteinus*; ovariole number and ovary structure).
- Boháč, 1993: 40 (*Proteinus*; Czech Republic; Slovakia).
- Cuccodoro, 1995: 262 (*Proteinus*; water loading behavior).
- Øland, 1995: 23 (*Proteinus*; host mushroom; Norway).
- Muona and Viramo, 1995: 9 (*Proteinus*; collected from fungus and dung of *Ursus arctos*; Finland).
- Sparacio, 1995: 138 (*Proteinus*; characters; notes; Sicily).
- Zanetti, 1995: 5 (*Proteinus*; Italy).
- Dauphin, 1995a: 106, 112, 118 (*Proteinus*; characters; France).
- Cuccodoro, 1996a: 108 (*Proteinus*; water loading behavior).
- Owen, 1999b: 61 (*Proteinus*; captured underground at roots of old trees; Britain).
- Ryabukhin, 1999: 12 (*Proteinus*; catalog; habitat; distribution; northeastern Russia).
- Kashcheev, 1999a: 57 (*Proteinus*; Kazakhstan).
- Owen, 2000: 250 (*Proteinus*; pitfall trap collections from underground at roots of trees; Britain).
- Assing, 2001: 75 (*Proteinus*; collected from xerothermous site; Germany).
- ▲ **DISTRIBUTION:** Europe, Russia, Libya, Tunisia, Algeria, Morocco, Ghana, Canada (?), USA (?).

ovatus Gravenhorst, 1806: 215 (*Omalium*; Type locality: Not cited).

- Gyllenhal, 1810: 207 (*Omalium*; synonym of *brachypterus* Fabricius).
- Olivier, 1811: 479 (*Omalium*; characters; France; Germany; Sweden).
- Latreille, 1829: 440 (*Proteinus*; characters).
- Lacordaire, 1835: 491 (*Proteinus*; synonym of *brachypterus* Fabricius).
- Erichson, 1839a: 643 (*Proteinus*; synonym of *brachypterus*).
- Erichson, 1840: 903 (*Proteinus*; synonym of *brachypterus*).
- Redtenbacher, 1849: 756 (*Proteinus*; synonym of *brachypterus*).

- Kraatz, 1857d: 1025 (*Proteinus*; synonym of *brachypterus*).
- Mulsant and Rey, 1878b: 223 (*Proteinus*; synonym of *brachypterus*).
- Ganglbauer, 1895: 759 (*Proteinus*; synonym of *brachypterus*).
- Bernhauer and Schubert, 1910: 34 (*Proteinus*; synonym of *brachypterus*).
- nigricornis* Stephens, 1834: 336 (*Anthobium*; Type locality: London; Devonshire).
 - Stephens, 1839: 424 (*Anthobium*; characters; England).
 - G. Waterhouse, 1858: 32 (*Proteinus*; synonym of *brachypterus*).
 - Ganglbauer, 1895: 759 (*Proteinus*; synonym of *brachypterus*).
 - Bernhauer and Schubert, 1910: 34 (*Proteinus*; synonym of *brachypterus*).
- nitidus* Stephens, 1834: 337 (*Anthobium*; Type locality: London).
 - Stephens, 1839: 425 (*Anthobium*; characters; England).
 - G. Waterhouse, 1858: 32 (*Proteinus*; synonym of *brachypterus*).
 - Ganglbauer, 1895: 759 (*Proteinus*; synonym of *brachypterus*).
 - Bernhauer and Schubert, 1910: 34 (*Proteinus*; synonym of *brachypterus*).
- laevicollis* Heer, 1839: 180 (*Omalium*; Type locality: Zürich).
 - Ganglbauer, 1895: 759 (*Proteinus*; synonym of *brachypterus*).
 - Bernhauer and Schubert, 1910: 34 (*Proteinus*; synonym of *brachypterus*).
- lividipennis* Reitter, 1905a: 228 (*Proteinus*; variety of *brachypterus*; Type locality: Kaukasus, Lenkoran).
 - Bernhauer and Schubert, 1910: 34 (*Proteinus*; variety of *brachypterus*).
- brevicollis* Erichson, 1840, see: *ovalis* Stephens, 1834.
- clavicornis* Stephens, 1834, see: *atomarius* Erichson, 1840.
- collaris** Hatch, 1957: 107 (*Proteinus*; Type locality: Washington: Seattle).
 - Frank, 1979: 336 (*Proteinus*; characters).
 - Frank and Thomas, 1984: 100 (*Proteinus*; characters).
 - ▲ **DISTRIBUTION:** USA.
- crassicornis** Sharp, 1874: 100 (*Proteinus*; Type locality: Nagasaki).
 - Bernhauer and Schubert, 1910: 34 (*Proteinus*; catalog).
 - Scheerpeltz, 1933: 1027 (*Proteinus*; catalog).
 - Nakane, 1963a: 82 (*Proteinus*; characters; habitus photograph; Japan).
 - Yuh, Paik, Kwon, and Lee, 1985: 225 (*Proteinus*; Korea).
 - Hayashi, 1986: 107 (*Proteinus*; characters; Japan).
 - Hayashi, 1988: 22 (*Proteinus*; anatomy of mouthparts; key).
 - J. Li, 1993: 52 (*Proteinus*; characters; China).
 - Watanabe, 1996a: 8 (*Proteinus*; cave collection; Japan).
 - ▲ **DISTRIBUTION:** Japan, Korea, China.
- crenulatus** Pandellé, 1867: 169 (*Proteinus*; Type locality: H.-Pyrénées, Louron).
 - Fauvel, 1871a: 56 [= 1872: 30] (*Proteinus*; synonym of *limbatus*).
 - Fauvel, 1871a: 56 [= 1872: 30] (*Protinus*; cited as *limbatus*; [**Note:** Misidentification: see Bernhauer, 1912i: 678; Horion, 1963: 28; Frank, 1979: 331]; characters; France; Italy; Corsica; Alaska [**Note:** This record refers to *crenulatus*]).
 - Mulsant and Rey, 1878b: 226 (*Proteinus*; synonym of *limbatus*).
 - Mulsant and Rey, 1878b: 225 (*Proteinus*; cited as *limbatus*; [**Note:** Misidentification: see Bernhauer, 1912i: 678; Horion, 1963: 28; Frank, 1979: 331]; characters; France).
 - Ganglbauer, 1895: 759 (*Proteinus*; synonym of *limbatus*).
 - Ganglbauer, 1895: 759 (*Proteinus*; cited as *limbatus*; [**Note:** Misidentification: see Bernhauer, 1912i: 678; Horion, 1963: 28; Frank, 1979: 331]; characters; France; Piemont; Corsica; Siebenbürgen; Caucasus; North America).
 - Reitter, 1905a: 227 (*Proteinus*; cited as *limbatus*; [**Note:** Misidentification: see Bernhauer, 1912i: 678; Horion, 1963: 28; Frank, 1979: 331]; characters; Italy; France; Corsica; Siebenbürgen; North America [**Note:** This record refers to *limbatus*]).
 - Sainte-Claire Deville, 1906: 67 (*Protinus*; cited as *limbatus*; [**Note:** Misidentification: see Bernhauer, 1912i: 678; Horion, 1963: 28; Frank, 1979: 331]; Corsica).

- Bernhauer and Schubert, 1910: 34 (*Proteinus*; synonym of *limbatus*).
- Bernhauer and Schubert, 1910: 34 (*Proteinus*; cited as *limbatus*; [**Note:** Misidentification: see Bernhauer, 1912i: 678; Horion, 1963: 28; Frank, 1979: 331]; catalog).
- Portevin, 1929: 457 (*Proteinus*; cited as *limbatus*; [**Note:** Misidentification: see Bernhauer, 1912i: 678; Horion, 1963: 28; Frank, 1979: 331]; characters; France).
- Sjöberg, 1930: 178 (*Proteinus*; characters; valid species; notes).
- Sjöberg, 1930: 185 (*Proteinus*; cited as *limbatus*; [**Note:** Misidentification: see Bernhauer, 1912i: 678; Horion, 1963: 28; Frank, 1979: 331]; characters; notes).
- Scheerpeltz, 1933: 1027 (*Proteinus*; catalog).
- Palm, 1948: 48 (*Proteinus*; characters; Sweden; Norway).
- Smetana, 1960b: 258 (*Proteinus*; Czechoslovakia).
- Horion, 1963: 27 (*Proteinus*; Caucasus; western Siberia; Britain; Norway; Sweden; Finland; Russia; Holland; France; Portugal; Corsica; Italy; Romania; Czechoslovakia; Austria; Germany).
- Lohse, 1964: 25 (*Proteinus*; characters; central Europe).
- Pope, 1977: 22 (*Proteinus*; Britain).
- Hammond, 1980: 135 (*Proteinus*; unconfirmed in Ireland).
- Tóth, 1982: 26 (*Proteinus*; characters; Hungary).
- Lucht, 1987: 85 (*Proteinus*; checklist; Germany; Poland; Austria; Switzerland; France; Benelux; Sweden).
- Boháč, 1993: 40 (*Proteinus*; Czech Republic; Slovakia).
- Sparacio, 1995: 137 (*Proteinus*; characters; notes; Sicily).
- Zanetti, 1995: 5 (*Proteinus*; Italy).
- Dauphin, 1995a: 106, 110, 118 (*Proteinus*; characters; France).
- Tronquet, 1998a: 114 (*Proteinus*; collected from marmot burrow; France).
- ▲ **DISTRIBUTION:** Caucasus, Russia, Finland, Norway, Sweden, Britain, Ireland, Holland, France, Germany, Czechoslovakia, Austria, Hungary, Romania, Italy, Portugal.
- densipennis** Bernhauer, 1912i: 678 (*Proteinus*; Type locality: Kalifornien: Sugar Pine).
— Scheerpeltz, 1933: 1027 (*Proteinus*; catalog).
▲ **DISTRIBUTION:** USA.
- egregius* Redtenbacher, 1874, see: *Acrulia*.
- ezoensis** Hayashi, 1988: 17 (*Proteinus*; Type locality: Japan: Hokkaido: Mt. Kurodake, Daisetsu Mts.).
▲ **DISTRIBUTION:** Japan.
- fallax* Mulsant and Rey, 1878, see: *laevigatus* Hochhuth, 1872.
- flavocaudatus** Bierig, 1940: 374 (*Proteinus*; Type locality: Costa Rica: Vara Blanca, 1800 m, entre los volcanes Barba y Poás).
▲ **DISTRIBUTION:** Costa Rica.
- fuscotestaceus** Cameron, 1924b: 162 (*Proteinus*; Type locality: Dehra Dun, U.P.).
— Cameron, 1930: 125 (*Proteinus*; characters; India).
— Scheerpeltz, 1933: 1027 (*Proteinus*; catalog).
— Coiffait, 1977: 244 (*Proteinus*; Nepal).
▲ **DISTRIBUTION:** India, Nepal.
- gotoi** Hayashi, 1986: 111 (*Proteinus*; Type locality: Mt. Amaishi, Sasayama-Cho, Hyogo Pref.).
— Hayashi, 1988: 23 (*Proteinus*; key).
▲ **DISTRIBUTION:** Japan.
- hibernus** Gistel, 1857: 63 (*Proteinus*; [**Note:** *Nomen dubium*]; Type locality: Bavaria).
▲ **DISTRIBUTION:** Germany.
- hyperboreus** Muona, 1978: 125 (*Proteinus*; Type locality: USSR: Lim: Porjeguba. Also cited from Finland, Sweden, and Norway).
— Sjöberg, 1930: 182 (*Proteinus*; [**Note:** Misidentified as *altaicus* according to Muona, 1978: 125]; characters).

- Palm, 1948: 49 (*Proteinus*; [**Note:** Misidentified as *altaicus* according to Muona, 1978: 125]; characters; Sweden; Norway).
- Muona and Viramo, 1995: 9 (*Proteinus*; collected from dung of *Ursus arctos*; Finland).
- ▲ **DISTRIBUTION:** Russia, Finland, Norway, Sweden.

kashmiricus Cameron, 1941: 56 (*Proteinus*; Type locality: Kashmir: Gulmarg).

- ▲ **DISTRIBUTION:** India.

laevigatus Hochhuth, 1872: 174 (*Proteinus*; Type locality: Not cited, but presumably from Gouvernements Kiew and/or Volhynien).

- Reitter, 1905a: 226 (*Proteinus*; characters; Russia).
- Bernhauer and Schubert, 1910: 34 (*Proteinus*; catalog).
- Scheerpeltz, 1933: 1027 (*Proteinus*; catalog).
- Gusarov, 1992a: 775 [= 1993a: 62] (*Proteinus*; synonymic notes).
- Dauphin, 1995a: 106, 108, 118 (*Proteinus*; characters; France).
- Assing, Frisch, Kahlen, et al., 1998: 121 (*Proteinus*; *macropterus* of Gyllenhal is *laevigatus*).
- ▲ **DISTRIBUTION:** Europe, Russia, Turkmenistan.

fallax Mulsant and Rey, 1878b: 230 (*Proteinus*; [**Note:** This name is cited as a variety of *macropterus* Gyllenhal which was a misidentification of *macropterus* Gravenhorst so I assume *fallax* refers to *laevigatus*]; Type locality: environs de Montpellier).

- Ganglbauer, 1895: 760 (*Proteinus*; variety of *macropterus* Gyllenhal).
- Scheerpeltz, 1933: 1028 (*Proteinus*; aberration of *macropterus* Gyllenhal).

serrifer Muona, 1977: 15 (*Proteinus*; proposed for *macropterus* Gyllenhal [**Note:** Gyllenhal did not propose a new species, he attributed it to Gravenhorst; Gyllenhal's use was a misidentification]; Type locality: Finland).

- Gyllenhal, 1810: 209 (*Omalium*; [**Note:** Misidentification: Bernhauer and Schubert, 1910: 34, and most other authors have cited *macropterus* Gyllenhal as valid species but Gyllenhal did not describe the species as new, he attributed it to Gravenhorst, 1806]; characters; Finland).
- Heer, 1839: 171 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Switzerland).
- Erichson, 1840: 903 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Germany).
- Hochhuth, 1849: 205 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Caucasus).
- Redtenbacher, 1849: 756 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Austria).
- Fairmaire and Laboulbène, 1856: 654 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; France).
- Redtenbacher, 1857: 257 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Austria).
- Kraatz, 1857d: 1025 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Germany).
- Thomson, 1861: 217 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Scandinavia).
- Pandellé, 1867: 169 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; France).
- Fauvel, 1871a: 57 [= 1872: 31] (*Proteinus*; cited as *macropterus* Gyllenhal; characters; France; Britain; Germany; Switzerland; Russia).
- Redtenbacher, 1874: 282 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Austria).
- Seidlitz, 1875: 232 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Baltic region).
- J. Sahlberg, 1876: 224 (*Proteinus*; cited as *macropterus* Gyllenhal; Finland).
- Mulsant and Rey, 1878b: 227 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; France).
- Fowler, 1888: 428 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Britain).
- Eppelsheim, 1892: 346 (*Proteinus*; cited as *macropterus* Gyllenhal; Turkmenia).
- Ganglbauer, 1895: 760 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; north and middle Europe).
- Reitter, 1905a: 228 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; northern and central Europe; Caucasus).
- Reitter, 1909: 199 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Germany).
- Bernhauer and Schubert, 1910: 34 (*Proteinus*; cited as *macropterus* Gyllenhal; catalog).
- Johansen, 1914: 628 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Denmark).
- Portevin, 1929: 458 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; France).
- Sjöberg, 1930: 183 (*Proteinus*; cited as *macropterus* Gyllenhal; characters).
- Scheerpeltz, 1933: 1027 (*Proteinus*; cited as *macropterus* Gyllenhal; catalog).

- Scheerpeltz and Höfler, 1948: 150 (*Proteinus*; cited as *macropterus* Gyllenhal; fungus inhabitant).
- Palm, 1948: 49 (*Proteinus*; cited as *macropterus*; characters Gyllenhal; Sweden; Denmark; Norway; Finland).
- Horion, 1963: 30 (*Proteinus*; cited as *macropterus* Gyllenhal; Siberia; Scotland; Lapland; Norway; Sweden; Finland; Portugal; Spain; Corsica; Italy; Dalmatia; Bosnia; Greece; Germany; Austria).
- Lohse, 1964: 25 (*Proteinus*; cited as *atomarius* Gyllenhal; characters; central Europe).
- Smetana, 1964d: 51 (*Proteinus*; cited as *macropterus* Gyllenhal; Czechoslovakia).
- Szujewski, 1968a: 710 (*Proteinus*; cited as *macropterus* Gyllenhal; Poland).
- Muona, 1979: 17 (*Proteinus*; synonym of *macropterus* Gyllenhal).
- Tóth, 1982: 28 (*Proteinus*; cited as *macropterus* Gyllenhal; characters; Hungary).
- H. Franz, 1984: 59 (*Proteinus*, cited as *macropterus* Gyllenhal; Macedonia).
- Dettner and Reissenweber, 1991 (*Proteinus*; cited as *macropterus* Gyllenhal; defensive secretions: chemistry and systematics).
- Gusarov, 1992a: 775 [= 1993a: 62] (*Proteinus*; *macropterus* Gyllenhal is synonym of *laevigatus*).
- Cuccodoro, 1995: 262 (*Proteinus*; cited as *macropterus* Gyllenhal; water loading behavior).
- Assing, Frisch, Kahlen, et al., 1998: 121 (*Proteinus*; synonym of *laevigatus*).

limbatus Mäklin, 1852: 323 (*Proteinus*; Type locality: insula Sitkha).

- Fauvel, 1871a: 56 [= 1872: 30] (*Protinus*; characters; Alaska).
- Fauvel, 1878d: 194 [= 1878e: 30] (*Proteinus*; characters; Sitka Island).
- Scheerpeltz, 1933: 1027 (*Proteinus*; catalog).
- Notman, 1919a: 96 (*Proteinus*; Ontario).
- Hatch, 1957: 106 (*Proteinus*; characters; British Columbia; Washington; Oregon; Idaho).
- Frank, 1979: 331 (*Proteinus*; notes on nomenclature and North American records; *limbatus* is not Holarctic).
- Frank and Thomas, 1984: 100 (*Proteinus*; characters).
- Downie and Arnett, 1996: 429 (*Proteinus*; characters; USA).

▲ **DISTRIBUTION:** Canada, USA.

maeklini Fauvel, 1869: 494 (*Proteinus*; named for *limbatus* variety b of Mäklin; Type locality: Not cited).

- Fauvel, 1873b: 110 [= 1873c: 3] (*Protinus*; synonym of *limbatus*).
- Fauvel, 1878d: 195 [= 1878e: 31] (*Proteinus*; synonym of *limbatus*).
- Mulsant and Rey, 1878b: 226 (*Proteinus*; synonym of *limbatus*).
- Ganglbauer, 1895: 759 (*Proteinus*; synonym of *limbatus*).
- Bernhauer and Schubert, 1910: 34 (*Proteinus*; synonym of *limbatus*).
- Scheerpeltz, 1933: 1027 (*Proteinus*; aberration of *limbatus*).
- Herman, 2001: 13 (*Proteinus*; spelling correct as *maeklini*).

laevicollis Heer, 1839, see: *brachypterus* Fabricius, 1792.

lividipennis Reitter, 1905, see: *brachypterus* Fabricius, 1792.

longicollis Gredler, 1874, see: *Acrulia*.

longicornis Doderò, 1923: 44 (*Proteinus*; Type locality: Monte Rosa, Macugnaga).

- Scheerpeltz, 1933: 1027 (*Proteinus*; catalog).
- Lohse, 1964: 25 (*Proteinus*; characters; central Europe).
- Focarile, 1982: 543 (*Proteinus*; valid species; characters; Italy; Switzerland; France).
- Tóth, 1982: 27 (*Proteinus*; characters).
- Lucht, 1987: 85 (*Proteinus*; checklist; Germany; Austria).
- Zanetti, 1995: 5 (*Proteinus*; Italy).
- Dauphin, 1995a: 106, 110, 118 (*Proteinus*; characters; France).
- Burakowski, Mroczkowski, and Stefańska, 2000: 40 (*Proteinus*; catalog; Poland).

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

macropterus Gravenhorst, 1806: 215 (*Omalium*; [Note: The authors of most of the references for “*Megarthus macropterus* (Gravenhorst)” listed the species as a junior synonym

of *Megarthritis depressus* (Paykull); citations of *M. macropterus* are found under *Megarthritis prosseni* Schatzmayr because *M. depressus* has been misidentified by all authors according to Cuccodoro and Löbl, 1997. *Proteinus macropterus* (Gravenhorst) has been cited as a valid species by several authors beginning in 1977. Cuccodoro and Löbl, 1997, cited *Megarthritis macropterus* Gravenhorst as a nomen dubium and stated that the type had been destroyed in the Second World War. However, since the name has been cited in *Proteinus* fairly recently, it is permitted to remain there for now]; Type locality: Not cited).

- Gyllenhal, 1810: 209 (*Omalium*; characters; Finland).
- Olivier, 1811: 479 (*Omalium*; characters; Germany).
- Gyllenhal, 1827: 464 (*Omalium*).
- C. Sahlberg, 1827: 280 (*Omalium*; characters; Finland).
- Laporte, 1840: 193 (*Proteinus*; characters; France).
- Pope, 1977: 22 (*Proteinus*; cited as valid species; Britain).
- Hammond, 1980: 135 (*Proteinus*; cited as valid species; Ireland).
- Lucht, 1987: 85 (*Proteinus*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; France; Benelux; Denmark; Sweden).
- Boháč, 1993: 40 (*Proteinus*; Czech Republic; Slovakia).
- Muona and Viramo, 1995: 9 (*Proteinus*; collected from fungus and dung of *Ursus arctos*; Finland).
- Sparacio, 1995: 138 (*Proteinus*; characters; notes; Sicily).
- Zanetti, 1995: 5 (*Proteinus*; Italy).

▲ **DISTRIBUTION:** Finland, Britain, Ireland, France, Germany.

maeklini Fauvel, 1869, see: *limbatus* Mäklin, 1852.

minutus Mannerheim, 1830: 58 (*Proteinus*; Type locality: Willnäs).

- Mannerheim, 1831: 472 (*Proteinus*; Finland).

▲ **DISTRIBUTION:** Finland.

meuseli Dauphin, 1995: 193 (*Proteinus*; Type locality: Kroatien: Stirovaca. Also cited from Romania).

▲ **DISTRIBUTION:** Croatia, Romania.

nigriceps Fauvel, 1867, see: *Alloproteinus*.

nigricornis Stephens, 1834, see: *brachypterus* Fabricius, 1792.

nitidus Stephens, 1834, see: *brachypterus* Fabricius, 1792.

oblongus Petri, 1891, see: *atomarius* Erichson, 1840.

olivieri Saulcy, 1866, see: *atomarius* Erichson, 1840.

ovalis Stephens, 1834: 335 (*Proteinus*; Type locality: London; Suffolk; Devonshire; Raehills).

- Curtis, 1829: 28 (*Proteinus*; nomen nudum; catalog; Britain).
- Stephens, 1839: 424 (*Proteinus*; characters; England).
- Hardy, 1851: 63 (*Proteinus*; synonym of *brachypterus*).
- Fauvel, 1871a: 56 [= 1872: 30] (*Proteinus*; characters; France; Scandinavia; Britain; Germany; Austria; Italy; Algeria).
- Fauvel, 1873b: 110 [= 1873c: 3] (*Protinus*; Sicily; Russia).
- Fauvel, 1874: 320 [= 1874b: 26] (*Protinus*; Spain).
- Fauvel, 1878: 87 [= 1878a: 7] (*Protinus*; Algeria).
- Fauvel, 1886: 13 [= 1886a: 5] (*Protinus*; Algeria).
- Fowler, 1888: 428 (*Proteinus*; characters; Britain).
- Ganglbauer, 1895: 759 (*Proteinus*; characters; middle Europe; western Mediterranean region).
- Fauvel, 1902b: 50 (*Proteinus*; Algeria; Tunisia).
- Reitter, 1905a: 227 (*Proteinus*; characters; central Europe; Mediterranean region).
- Sainte-Claire Deville, 1906: 67 (*Protinus*; Corsica).
- Reitter, 1909: 199 (*Proteinus*; characters; Germany).
- Bernhauer and Schubert, 1910: 34 (*Proteinus*; catalog).
- Portevin, 1929: 458 (*Proteinus*; characters; France).

- Sjöberg, 1930: 180 (*Proteinus*; characters; notes).
- Scheerpeltz, 1933: 1028 (*Proteinus*; catalog).
- Hinton, 1945: 52 (*Proteinus*; characters).
- Scheerpeltz and Höfler, 1948: 150 (*Proteinus*; fungus inhabitant).
- Jeannel and Jarrige, 1949: 323 (*Proteinus*; cave species; Italy).
- Scheerpeltz, 1963a: 414 (*Proteinus*; Greece).
- Horion, 1963: 29 (*Proteinus*; Ireland; Britain; Holland; Belgium; France; Spain; Balearics; Corsica; Sicily; Italy; Croatia; Bosnia Hercegovina; Macedonia; Bulgaria; Romania; Slovakia; Czech Republic; Poland; Germany; Austria).
- Lohse, 1964: 24 (*Proteinus*; characters; central Europe).
- Pope, 1977: 22 (*Proteinus*; Britain).
- Coiffait, 1973a: 269 (*Proteinus*; Morocco).
- Osella and Zanetti, 1975: 83 (*Proteinus*; collected from nest of *Talpa europaea*; notes; Italy).
- Hammond, 1980: 135 (*Proteinus*; Ireland).
- Tóth, 1982: 25 (*Proteinus*; characters; Hungary).
- Lucht, 1987: 85 (*Proteinus*; checklist; Germany; Poland; Czechoslovakia; Austria; Switzerland; France; Benelux).
- Welch, 1993: 227 (*Proteinus*; ovariole number and ovary structure).
- Boháč, 1993: 40 (*Proteinus*; Czech Republic; Slovakia).
- Sparacio, 1995: 137 (*Proteinus*; characters; notes; Sicily).
- Zanetti, 1995: 5 (*Proteinus*; Italy).
- Dauphin, 1995a: 106, 110, 118 (*Proteinus*; characters; France).
- Tronquet, 1998a: 114 (*Proteinus*; collected from marmot burrow; France).
- Outerelo, Gamarra, and Salgado, 1998: 128 (*Proteinus*; collected from cave; Spain).
- Owen, 1999b: 61 (*Proteinus*; captured underground at roots of old trees; Britain).
- Owen, 2000: 251 (*Proteinus*; pitfall trap collections from underground at roots of trees; Britain).
- Assing, 2001: 75 (*Proteinus*; collected from xerothermous site; Germany).

▲ **DISTRIBUTION:** Europe, Russia.

subsulcatus Stephens, 1834: 336 (*Anthobium*; Type locality: London; Devonshire; Somersetshire).

- Stephens, 1839: 424 (*Anthobium*; characters; England).
- G. Waterhouse, 1858: 32 (*Proteinus*; synonym of *ovalis*).
- Ganglbauer, 1895: 759 (*Proteinus*; synonym of *ovalis*).
- Bernhauer and Schubert, 1910: 34 (*Proteinus*; synonym of *ovalis*).

brevicollis Erichson, 1840: 903 (*Proteinus*; Type locality: Italia; Lutetiae).

- Fairmaire and Laboulbène, 1856: 653 (*Proteinus*; characters; France).
- Redtenbacher, 1857: 995 (*Proteinus*; characters; Germany).
- Kraatz, 1857d: 1024 (*Proteinus*; characters; Germany).
- G. Waterhouse, 1858: 32 (*Proteinus*; synonym of *ovalis*).
- Pandellé, 1867: 168 (*Proteinus*; characters; France).
- Fauvel, 1871a: 56 [= 1872: 30] (*Proteinus*; synonym of *ovalis*).
- Redtenbacher, 1874: 282 (*Proteinus*; characters).
- Mulsant and Rey, 1878b: 220 (*Proteinus*; characters; France).
- Ganglbauer, 1895: 759 (*Proteinus*; synonym of *ovalis*).
- Bernhauer and Schubert, 1910: 34 (*Proteinus*; synonym of *ovalis*).
- Scheerpeltz, 1933: 1028 (*Proteinus*; synonym of *ovalis*).

ovatus Gravenhorst, 1806, see: *brachypterus* Fabricius, 1792.

parvulus LeConte, 1863a: 58 (*Proteinus*; Type locality: Lake Superior).

- Fauvel, 1871a: 57 [= 1872: 31] (*Proteinus*; synonym of *clavicornis*).
- Fauvel, 1878d: 196 [= 1878e: 32] (*Proteinus*; synonym of *atomarius*).
- Ganglbauer, 1895: 760 (*Proteinus*; synonym of *atomarius*).
- Reitter, 1905a: 228 (*Proteinus*; synonym of *atomarius*).
- Bernhauer and Schubert, 1910: 33 (*Proteinus*; synonym of *atomarius*).

- Frank, 1979: 331, 335 (*Proteinus*; valid species; characters).
- Frank and Thomas, 1984: 100 (*Proteinus*; characters).
- Campbell and Davies, 1991: 87 (*Proteinus*; synonym of *atomarius*; [**Note:** I assume the authors overlooked the elevation of this name]).

▲ **DISTRIBUTION:** USA.

peckorum Frank, 1984a: 98 (*Proteinus*; Type locality: Jamaica: Clarendon Jackson Bay Cave).

- Bordoni and Oromi, 1998: 1157 (*Proteinus*; facultative cave species; Jamaica).

▲ **DISTRIBUTION:** Jamaica.

planicollis Reitter, 1905: 201 (*Proteinus*; Type locality: Russisch-Armenien: Araxestal bei Ordubad).

- Reitter, 1905a: 226 (*Proteinus*; characters; Araxes Valley).
- Bernhauer and Schubert, 1910: 34 (*Proteinus*; catalog).
- Scheerpeltz, 1933: 1028 (*Proteinus*; catalog).

▲ **DISTRIBUTION:** Azerbaijan.

reflexicollis Reitter, 1905a: 226 (*Proteinus*; Type locality: Araxestal bei Ordubad, Russisch-Armenien).

- Bernhauer and Schubert, 1910: 34 (*Proteinus*; catalog).
- Scheerpeltz, 1933: 1028 (*Proteinus*; catalog).

▲ **DISTRIBUTION:** Azerbaijan.

ruficollis Cameron, 1924b: 162 (*Proteinus*; Type locality: Narkanda, 9000 feet; Fagu, 8000 feet; Theog, 7600 feet, in the Simla Hills; Mussorie, 7000 feet).

- Cameron, 1930: 124 (*Proteinus*; characters; India).
- Scheerpeltz, 1933: 1028 (*Proteinus*; catalog).
- Coiffait, 1982: 40 (*Proteinus*; India).

▲ **DISTRIBUTION:** India.

salebrosus Casey, 1885a: 323 (*Proteinus*; cited as *Protinus*; Type locality: California: Santa Cruz).

- Bernhauer and Schubert, 1910: 34 (*Proteinus*; catalog).
- Scheerpeltz, 1933: 1028 (*Proteinus*; catalog).

▲ **DISTRIBUTION:** USA.

sawadai Hayashi, 1988: 18 (*Proteinus*; Type locality: Japan: Nagano Pref.: Mt. Kisokoma, about 2000 m.).

▲ **DISTRIBUTION:** Japan.

serrifer Muona, 1977, see: *laevigatus* Hochhuth, 1872.

shibatai Hayashi, 1986: 109 (*Proteinus*; Type locality: Mt. Ifuri, Echizen-Ohno).

- Hayashi, 1988: 22 (*Proteinus*; key).

▲ **DISTRIBUTION:** Japan.

siculus Doderò, 1923: 43 (*Proteinus*; Type locality: Sicilia: Castelbuono).

- Scheerpeltz, 1933: 1028 (*Proteinus*; catalog).
- Sparacio, 1995: 137 (*Proteinus*; characters; notes; Sicily).
- Zanetti, 1995: 5 (*Proteinus*; Italy).
- Dauphin, 1995a: 104, 108 (*Proteinus*; characters).

▲ **DISTRIBUTION:** Italy.

subsulcatus Stephens, 1834, see: *ovalis* Stephens, 1834.

sulcatus Fauvel, 1878d: 195 [= 1878e: 31] (*Proteinus*; Type locality: Californie, Mariposa).

- Bernhauer and Schubert, 1910: 34 (*Proteinus*; catalog).

▲ **DISTRIBUTION:** USA.

tateoitoi Hayashi, 1988: 20 (*Proteinus*; Type locality: Japan: Japan: Kyoto Pref.: Hanase).

▲ **DISTRIBUTION:** Japan.

thomasi Frank, 1979: 333 (*Proteinus*; Type locality: U.S.A.: Florida: Marion Co., Ocala. Also cited from New Jersey).

— Frank and Thomas, 1984: 100 (*Proteinus*; characters).

— Lundgren, 1998: 38 (*Proteinus*; Florida; New Jersey).

▲ **DISTRIBUTION:** USA.

zanettii Dauphin, 1999: 138 (*Proteinus*; cited as “*zanetti*” at head of description, but as “*zanettii*” in abstract; Type locality: Grecia: Polludroso).

▲ **DISTRIBUTION:** Greece.

Tribe Silphotelini

Silphotelini Newton and Thayer, 1995: 247–286, 297 (description; phylogenetic relationships; includes *Silphotelus* and *Alloproteinus*; discussion).

— Klimaszewski, Newton, and Thayer, 1996: 146 (list of New Zealand genera; number of New Zealand species).

Alloproteinus

[1 species; Neotropical Region]

Alloproteinus Steel, 1966: 300 (species included: *nigriceps*). **TYPE SPECIES:** *Proteinus nigriceps* Fauvel, fixed by original designation and monotypy.

— Newton and Thayer, 1995: 297 (Silphotelini).

nigriceps Fauvel, 1867a: 50 [= 1868: 55] (*Proteinus*; Type locality: Santiago).

— Bernhauer and Schubert, 1910: 34 (*Proteinus*; catalog).

— Steel, 1966: 302 (*Alloproteinus*; [**Note:** Although the species has remained in *Proteinus* in the works of other authors, I retain it in *Alloproteinus* because I assume that Steel’s work was overlooked and that the genera have not been synonymized]; characters; Chile).

— Coiffait and Saiz, 1968: 457 (*Proteinus*; characters; Chile).

— Scheerpeltz, 1972: 8 (*Proteinus*; Argentina).

▲ **DISTRIBUTION:** Argentina, Chile.

Silphotelus

[2 species; Australian Region]

Silphotelus Broun, 1895: 83 (species included: *nitidus*). **TYPE SPECIES:** *Silphotelus nitidus* Broun, fixed by monotypy.

— Steel, 1966: 288, 303 (adult characters; larval characters, cited as *Silphotelus*; key to species).

— Newton and Thayer, 1995: 297 (Silphotelini).

— Klimaszewski, Newton, and Thayer, 1996: 146 (endemic to New Zealand and nearby islands).

nitidus Broun, 1895: 84 (*Silphotelus*; Type locality: Hunua Range).

— Kuschel, 1990: 25 (*Silphotelus*; endemic; winged; habitat; New Zealand).

— Steel, 1966: 304 (*Silphotelus*; characters; New Zealand).

— Klimaszewski and Watt, 1997: 170 (*Silphotelus*; characters; collecting notes; New Zealand).

▲ **DISTRIBUTION:** New Zealand.

obliquus Broun, 1912: 416 (*Silphotelus*; Type locality: Greymouth).

— Steel, 1966: 306 (*Silphotelus*; characters; New Zealand).

▲ **DISTRIBUTION:** New Zealand.



PROTOSELAPHINAE



[1 genus; 8 species; Oriental Region]

Protopselaphinae Newton and Thayer, 1995: 227, 247–286, 301 (phylogenetic relationships; characters; discussion; includes *Protopselaphus*). Type genus *Protopselaphus*, by original designation.

- Lawrence and Newton, 1995: 825 (discussion).
- M. Hansen, 1996: 35 (listed in Omaliine group of subfamilies).
- M. Hansen, 1997: 83, 176, 178 (may belong in clade with Dasycerinae and Pselaphinae; key characters; notes).

Protopselaphus

[8 species; Oriental Region]

Protopselaphus Newton and Thayer, 1995: 227 (species included: *watrousi*, *burckhardti*, *frognieri*, *crowsoni*, *poringensis*, *grandis*, *loebli*, *taylori*). **TYPE SPECIES:** *Protopselaphus watrousi* Newton and Thayer, fixed by original designation.

burckhardti Newton and Thayer, 1995: 245 (*Protopselaphus*; Type locality: Sabah: Mt. Kinabalu, 1500–1650 m [6°05'N, 116°33'E]).

▲ **DISTRIBUTION:** Malaysia.

crowsoni Newton and Thayer, 1995: 244 (*Protopselaphus*; Type locality: Sabah: Mt. Kinabalu, 1750 m [6°05'N, 116°33'E]).

▲ **DISTRIBUTION:** Malaysia.

frognieri Newton and Thayer, 1995: 243 (*Protopselaphus*; Type locality: Mala: Sarawak, Kapit Dist., nr. Ng. Tekalit [1°38'N, 113°35'E]).

▲ **DISTRIBUTION:** Malaysia.

grandis Newton and Thayer, 1995: 246 (*Protopselaphus*; Type locality: W. Malaysia: Pahang, Cameron Highls., 1550 m, Gunung Jasar, trail 11 [4°36'N, 101°17'E]).

▲ **DISTRIBUTION:** Malaysia.

loebli Newton and Thayer, 1995: 246 (*Protopselaphus*; Type locality: Sabah: Mt. Kinabalu, 1550–1650 m [6°05'N, 116°33'E]).

▲ **DISTRIBUTION:** Malaysia.

poringensis Newton and Thayer, 1995: 243 (*Protopselaphus*; Type locality: Sabah: Poring Hot Springs, 500 m [6°03'N, 116°41'E]).

▲ **DISTRIBUTION:** Malaysia.

taylori Newton and Thayer, 1995: 245 (*Protopselaphus*; Type locality: Sarawak: Baco Pk. nr. Kuching [Bukit Bako, 1°40'N, 110°26'E]).

▲ **DISTRIBUTION:** Malaysia.

watrousi Newton and Thayer, 1995: 241 (*Protopselaphus*; Type locality: Malaysia: Pahang, G. Batu Berinchang [Gunong Batu Berinchang, 4°31'N, 101°23'E]).

▲ **DISTRIBUTION:** Malaysia.

