

## ***LIOMETOPUM***

*aeneum* Mayr, 1862; see under ***IRIDOMYRMEX***.

\**affinis*. \**Ponera affinis* Heer, 1849: 147, pl. 12, fig. 2 (q.) CROATIA (Miocene).

[Also described as new by Heer, 1850: 147.]

Combination in \**Poneropsis*: Heer, 1867: 19;

*incertae sedis* in Formicidae: Taylor, 1964: 138;

combination in *Liometopum*: Dlussky & Putyatina, 2014: 245.

Status as species: Giebel, 1856: 174; Heer, 1867: 19; Scudder, 1891: 725, 727; Dalla Torre, 1893: 52; Handlirsch, 1907: 880; Bolton, 1995b: 363.

Junior synonym of \**imhoffii*: Dlussky & Putyatina, 2014: 245.

\**anthracina* Heer, 1867 [\**Poneropsis*]; see under ***LASIUS***.

\**antiquum* Mayr 1867; see under \****EMPLASTUS***.

***apiculatum***. *Liometopum apiculatum* Mayr, 1870b: 961 (w.) MEXICO (no state data).

Emery, 1895c: 331 (q.); Wheeler, W.M. 1905e: 324 (m.); Wheeler, G.C. & Wheeler, J. 1951: 181 (l.).

**Status as species:** Dalla Torre, 1893: 163; Forel, 1899c: 104; Emery, 1895c: 331; Viereck, 1903: 71; Wheeler, W.M. 1905e: 322 (redescription); Wheeler, W.M. 1910g: 568; Emery, 1913a: 20; Wheeler, W.M. 1914b: 55; Wheeler, W.M. 1917a: 521; Cole, 1937b: 136; Creighton, 1950a: 339; Smith, M.R. 1951a: 835; Smith, M.R. 1958c: 139; Wheeler, G.C. & Wheeler, J. 1966: 727; Smith, M.R. 1967: 364; Hunt & Snelling, 1975: 22; Smith, D.R. 1979: 1417; Wheeler, G.C. & Wheeler, J. 1986g: 55 (in key); Mackay, Lowrie, *et al.* 1988: 102; Johnson, C. 1989a: 3; Mackay, 1993b: 81; Shattuck, 1994: 128; Bolton, 1995b: 247; Mackay & Mackay, 2002: 262; Del Toro, *et al.* 2009: 309 (redescription).

**Senior synonym of *masonium*:** Del Toro, *et al.* 2009: 309 (*nomen oblitum*).

*austriaca*. *Formica austriaca* Mayr, 1853a: 144 (w.) AUSTRIA.

Status as species: Mayr, 1855: 318 (redescription); Smith, F. 1858b: 11.

Junior synonym of *microcephalum*: Mayr, 1861: 39 (in key); Mayr, 1863: 427; Roger, 1863b: 14; Dours, 1873: 166; André, 1874: 202 (in list); Emery & Forel, 1879: 454; Mayr, 1886d: 434; Dalla Torre, 1893: 163; Ruzsky, 1905b: 481; Emery, 1913a: 20; Forel, 1915d: 44 (in key); Müller, 1923b: 109; Baroni Urbani, 1971c: 158; Shattuck, 1994: 129; Bolton, 1995b: 247; Del Toro, *et al.* 2009: 325; Csösz, *et al.* 2011: 57; Karaman, M.G. 2011b: 63; Radchenko, 2016: 96.

*brevicornis* Mayr, 1878; see under ***AZTECA***.

\****brunascens***. \**Poneropsis brunascens* Heer, 1867: 27, pl. 2, fig. 7 (m.) CROATIA (Miocene).

Combination in *Liometopum*: Dlussky & Putyatina, 2014: 277 [by implication because *Liometopum* senior synonym of \**Poneropsis*: Dlussky & Putyatina, 2014: 245].

**Status as species:** Scudder, 1891: 727; Dalla Torre, 1893: 52; Handlirsch, 1907: 881; Bolton, 1995b: 363.

\****crassinervis***. \**Ponera crassinervis* Heer, 1849: 150, pl. 12, fig. 6 (q.) GERMANY (Miocene).

[Also described as new by Heer, 1850: 150.]

Combination in \**Poneropsis*: Taylor, 1964: 138;

combination in *Liometopum*: Dlussky & Putyatina, 2014: 245 [by implication because *Liometopum* senior synonym of \**Poneropsis*: Dlussky & Putyatina, 2014: 245].

**Status as species:** Giebel, 1856: 175; Scudder, 1891: 725; Dalla Torre, 1893: 39; Handlirsch, 1907: 880; Bolton, 1995b: 363.

- \****croaticum***. \**Ponera croatica* Heer, 1849: 148, pl. 12, fig. 3 (q.) CROATIA (Miocene).  
 [Also described as new by Heer, 1850: 148.]  
 Combination in \**Poneropsis*: Taylor, 1964: 138;  
 combination in *Liometopum*: Dlussky & Putyatina, 2014: 277 [by implication because *Liometopum* senior synonym of \**Poneropsis*: Dlussky & Putyatina, 2014: 245].  
**Status as species**: Giebel, 1856: 174; Mayr, 1867b: 57; Scudder, 1891: 725; Dalla Torre, 1893: 39; Handlirsch, 1907: 880; Bolton, 1995b: 363.  
*dentimandibulum*. *Liometopum dentimandibulum* Chang & He, 2002e: 110, figs. 1-5 (w.) CHINA (Gansu).  
 [Misspelled as *mandibulum* by Guénard & Dunn, 2012: 25.]  
 Status as species: Guénard & Dunn, 2012: 25 (error).  
 Junior synonym of *sinense*: Del Toro, *et al.* 2009: 338.
- \****elongata*** Heer, 1867 [\**Poneropsis*]; see under \****PONERITES***.
- \****eremicum***. \**Liometopum eremicum* Zhang, J. 1989: 281, fig. 282 (m.) CHINA (Shandong, Miocene).
- \****escheri***. \**Poneropsis escheri* Heer, 1867: 20, pl. 2, fig. 22 (m.) GERMANY (Miocene).  
 Combination in *Liometopum*: Dlussky & Putyatina, 2014: 245 [by implication because *Liometopum* senior synonym of \**Poneropsis*: Dlussky & Putyatina, 2014: 245].  
**Status as species**: Scudder, 1891: 727; Dalla Torre, 1893: 52; Handlirsch, 1907: 881; Bolton, 1995b: 363.
- \****fuliginosa***. \**Ponera fuliginosa* Heer, 1849: 145, pl. 12, fig. 1 (q.) GERMANY (Miocene).  
 [Also described as new by Heer, 1850: 145.]  
 [Misspelled as *fulingiosa* by Mayr, 1867b: 57.]  
 Combination in *Aphaenogaster*: Mayr, 1867b: 57; Scudder, 1891: 688, 725; Handlirsch, 1907: 874;  
 combination in \**Poneropsis*: Heer, 1867: 19; Taylor, 1964: 138;  
 combination in *Liometopum*: Dlussky & Putyatina, 2014: 245.  
 Status as species: Giebel, 1856: 174; Heer, 1867: 19; Mayr, 1867b: 57; Scudder, 1891: 688, 728; Dalla Torre, 1893: 102; Handlirsch, 1907: 874; Taylor, 1964: 138; Bolton, 1995b: 363.  
 Junior synonym of \**imhoffii*: Dlussky & Putyatina, 2014: 245.
- \****globosum***. \**Ponera globosa* Heer, 1849: 151, pl. 12, fig. 9 (q.) GERMANY (Miocene).  
 [Also described as new by Heer, 1850: 151.]  
 Combination in \**Poneropsis*: Taylor, 1964: 138;  
 combination in *Liometopum*: Dlussky & Putyatina, 2014: 245 [by implication because *Liometopum* senior synonym of \**Poneropsis*: Dlussky & Putyatina, 2014: 245].  
**Status as species**: Giebel, 1856: 176; Scudder, 1891: 726, 728; Dalla Torre, 1893: 39; Handlirsch, 1907: 880; Bolton, 1995b: 363.
- \****goepperti*** Mayr, 1868; see under ***CTENOBETHYLUS***.
- \****imhoffii***. \**Formica imhoffii* Heer, 1849: 138, pl. 10, fig. 10 (m.) CROATIA (Miocene).  
 [Also described as new by Heer, 1850: 138.]  
 Combination in \**Poneropsis*: Heer, 1867: 24;  
*incertae sedis* in Formicidae: Taylor, 1964: 138;  
 combination in *Liometopum*: Mayr, 1867b: 55; Shattuck, 1994: 129; Dlussky & Putyatina, 2014: 245.

**Status as species:** Giebel, 1856: 170; Heer, 1867: 24; Mayr, 1867b: 55; Scudder, 1891: 701, 715, 728; Dalla Torre, 1893: 163; Handlirsch, 1907: 870; Shattuck, 1994: 129; Bolton, 1995b: 247; Dlussky & Putyatina, 2014: 245 (redescription).

**Senior synonym of *\*affinis*:** Dlussky & Putyatina, 2014: 245.

**Senior synonym of *\*fuliginosa*:** Dlussky & Putyatina, 2014: 245.

**Senior synonym of *\*livida*:** Dlussky & Putyatina, 2014: 245.

**Senior synonym of *\*lugubris*:** Dlussky & Putyatina, 2014: 245.

**Senior synonym of *\*minor*:** Dlussky & Putyatina, 2014: 245.

**Senior synonym of *\*morio*:** Dlussky & Putyatina, 2014: 245.

**Senior synonym of *\*pallens*:** Dlussky & Putyatina, 2014: 245.

**Senior synonym of *\*schmidti*:** Mayr, 1867b: 56; Scudder, 1891: 715; Handlirsch, 1907: 871; Shattuck, 1994: 129; Bolton, 1995b: 247; Dlussky & Putyatina, 2014: 245.

**\**incognitum*.** *\*Liometopum incognitum* Dlussky, Rasnitsyn & Perfilieva, 2015: 136, fig. 9 (q.) RUSSIA (Sikhote-Alin, Bol'shaya Svetlovodnaya, Eocene).

**\**jiaoyanshanense*** Hong & Wang, 1985; see under **DOLICHODERUS**.

***lindgreeni*.** *Liometopum lindgreeni* Forel, 1902d: 293 (w.) INDIA (Assam).

**Status as species:** Forel, 1903a: 712; Bingham, 1903: 290; Emery, 1913a: 20; Shattuck, 1994: 129; Bolton, 1995b: 247; Mathew & Tiwari, 2000: 337; Del Toro, *et al.* 2009: 317 (redescription); Guénard & Dunn, 2012: 25; Bharti, Guénard, *et al.* 2016: 19.

**\**livida*.** *\*Poneropsis livida* Heer, 1867: 25, pl. 2, fig. 5 (q.) CROATIA (Miocene).

Combination in *Aphaenogaster*: Mayr, 1867b: 57;

combination in *Liometopum*: Dlussky & Putyatina, 2014: 245.

**Status as species:** Mayr, 1867b: 57; Scudder, 1891: 688, 728; Dalla Torre, 1893: 103; Handlirsch, 1907: 874; Bolton, 1995b: 70.

Junior synonym of *\*imhoffii*: Dlussky & Putyatina, 2014: 245.

**\**longaevum*.** *\*Ponera longaeva* Heer, 1849: 148, pl. 12, fig. 5 (q.) GERMANY (Miocene).

[Also described as new by Heer, 1850: 148.]

Combination in *Aphaenogaster*: Scudder, 1891: 688;

combination in *\*Poneropsis*: Taylor, 1964: 138;

combination in *Liometopum*: Dlussky & Putyatina, 2014: 245 [by implication because *Liometopum* senior synonym of *\*Poneropsis*: Dlussky & Putyatina, 2014: 245].

**Status as species:** Giebel, 1856: 175; Scudder, 1891: 688, 726; Dalla Torre, 1893: 40; Handlirsch, 1907: 880; Bolton, 1995b: 363.

**\**lubricum*.** *\*Liometopum lubricum* Zhang, J., Sun & Zhang, 1994: 165, fig. 145 (q.) CHINA (Shandong, Miocene).

***luctuosum*.** *Liometopum apiculatum* subsp. *luctuosum* Wheeler, W.M. 1905e: 325 (w.) U.S.A. (Colorado, Arizona, California).

Forel, 1914c: 619 (m.); Del Toro, *et al.* 2009: 321 (q.).

**Subspecies of *apiculatum*:** Wheeler, W.M. 1906d: 341; Wheeler, W.M. 1910g: 568; Emery, 1913a: 20; Forel, 1914c: 619; Wheeler, W.M. 1917a: 521; Cole, 1937b: 136; Cole, 1942: 371; Smith, M.R. 1951a: 835.

**Subspecies of *occidentale*:** Creighton, 1950a: 339; Smith, M.R. 1958c: 140; Cole, 1966: 18; Smith, M.R. 1967: 364; Hunt & Snelling, 1975: 22; Smith, D.R. 1979: 1417.

**Status as species:** Wheeler, G.C. & Wheeler, J. 1978: 392; Wheeler, G.C. & Wheeler, J. 1986g: 55; Mackay, Lowrie, *et al.* 1988: 102; Shattuck, 1994: 129; Bolton, 1995b: 247;

Mackay & Mackay, 2002: 263; Ward, 2005: 27; Del Toro, *et al.* 2009: 319 (redescription).

\**lugubris*. \**Poneropsis lugubris* Heer, 1867: 21, pl. 1, fig. 23 (m.) CROATIA (Miocene).

Combination in *Aphaenogaster*: Scudder, 1891: 688.

*Incertae sedis* in Dolichoderinae: Handlirsch, 1907: 872.

Status as species: Mayr, 1867b: 57; Scudder, 1891: 728; Dalla Torre, 1893: 53; Handlirsch, 1907: 880; Bolton, 1995b: 363.

Junior synonym of \**imhoffii*: Dlussky & Putyatina, 2014: 245.

*mandibulum*, misspelling, see under *dentimandibulum*.

*masonia*. *Formica masonia* Buckley, 1866: 165 (w.) U.S.A. (Texas).

Combination in *Liometopum*: Wheeler, W.M. 1902f: 23.

[Note: Wheeler, W.M. 1902f: 23, indicates synonymy of *masonia* with either *apiculatum* or *occidentale*, but can not determine which.]

Unidentifiable taxon; *incertae sedis* in Dolichoderinae: Smith, D.R. 1979: 1422; Shattuck, 1994: 171;

unidentifiable taxon; *incertae sedis* in *Liometopum*: Smith, M.R. 1951a: 835; Smith, M.R. 1958c: 141; Bolton, 1995b: 247.

Status as species: Cresson, 1887: 256; Dalla Torre, 1893: 201.

*Nomen oblitum*, synonym of *apiculatum*: Del Toro, *et al.* 2009: 309.

***microcephalum***. *Formica microcephala* Panzer, 1798: no. 1652 (m.) AUSTRIA.

Mayr, 1861: 39 (w.q.).

Combination in *Liometopum*: Mayr, 1861: 39 (in key).

Junior synonym of *Formica cunicularia*: Stephens, 1829: 357.

**Status as species**: Mayr, 1861: 39 (in key); Roger, 1863b: 14; Mayr, 1863: 427; Emery, 1869b: 11; André, 1874: 186 (in key); Emery, 1878b: 49; Emery & Forel, 1879: 454; André, 1882b: 220 (in key); Mayr, 1886d: 434; Forel, 1886e: clxvii; Cresson, 1887: 258; Forel, 1889: 256; Nasonov, 1889: 26; Forel, 1892i: 308; Dalla Torre, 1893: 163; Ruzsky, 1902d: 19; Ruzsky, 1905b: 481; Forel, 1911d: 350; Emery, 1913a: 20; Stitz, 1914: 78; Forel, 1915d: 44 (in key); Emery, 1916b: 212; Bondroit, 1918: 88; Menozzi, 1918: 86; Menozzi, 1921: 32; Müller, 1921: 48; Soudek, 1922: 60; Müller, 1923b: 109; Soudek, 1925b: 16; Santschi, 1926f: 287; Karavaiev, 1927d: 339; Kuznetsov-Ugamsky, 1928b: 25; Kuznetsov-Ugamsky, 1929a: 29; Finzi, 1930d: 315; Arnol'di, 1933b: 601 (in key); Grandi, 1935: 102; Zimmermann, 1935: 41; Novák & Sadil, 1941: 95 (in key); Röszler, 1942b: 31; Consani & Zangheri, 1952: 42; Ceballos, 1956: 309; Baroni Urbani, 1964c: 158; Bernard, 1967: 253 (redescription); Baroni Urbani, 1971c: 158; Aktaç, 1977: 123; Arnol'di & Dlussky, 1978: 548 (in key); Collingwood, 1978: 87 (in key); Agosti & Collingwood, 1987b: 278 (in key); Kugler, J. 1988: 258; Le Moli & Rosi, 1991: 31; Atanassov & Dlussky, 1992: 189; Collingwood, 1993b: 195; Shattuck, 1994: 129; Bolton, 1995b: 247; Poldi, *et al.* 1995: 6; Gallé, *et al.* 1998: 216; Markó & Csösz, 2002: 117; Karaman, M.G. & Karaman, 2003: 46; Csösz, & Markó, 2005: 239; Bračko, 2006: 144; Markó, Sipos, *et al.* 2006: 66; Petrov, 2006: 102 (in key); Bračko, 2007: 19; Seifert, 2007: 258; Werner & Wiezik, 2007: 141; Gratiashvili & Barjadze, 2008: 130; Paknia, *et al.* 2008: 154; Del Toro, *et al.* 2009: 325 (redescription); Vonshak, *et al.* 2009: 38; Lapeva-Gjonova, *et al.* 2010: 31; Csösz, *et al.* 2011: 57; Karaman, M.G. 2011b: 63; Legakis, 2011: 23; Borowiec, L. & Salata, 2012: 511; Kiran & Karaman, 2012: 4; Borowiec, L. 2014: 100; Bračko, *et al.* 2014: 17; Tohmé, G. & Tohmé, 2014: 137; Lebas, *et al.* 2016: 114; Radchenko, 2016: 96; Salata & Borowiec, 2018c: 46; Seifert, 2018: 248.

**Senior synonym of austriaca:** Mayr, 1861: 39 (in key); Mayr, 1863: 427; Roger, 1863b: 14; Dours, 1873: 166; André, 1874: 202 (in list); Emery & Forel, 1879: 454; Mayr, 1886d: 434; Dalla Torre, 1893: 163; Ruzsky, 1905b: 481; Emery, 1913a: 20; Forel, 1915d: 44 (in key); Müller, 1923b: 109; Baroni Urbani, 1971c: 158; Shattuck, 1994: 129; Bolton, 1995b: 247; Del Toro, *et al.* 2009: 325; Csösz, *et al.* 2011: 57; Radchenko, 2016: 96.

*minimum* Zhou, 2001; see under **CHRONOXENUS**.

\***minor.** \**Poneropsis lugubris* var. *minor* Heer, 1867: 21 (m.) CROATIA (Miocene).

Subspecies of *lugubris*: Scudder, 1891: 728; Dalla Torre, 1893: 53; Handlirsch, 1907: 880; Bolton, 1995b: 363.

Junior synonym of \**imhoffii*: Dlussky & Putyatina, 2014: 245.

\***miocenicum.** \**Liometopum miocenicum* Carpenter, 1930: 46, pl. 3, fig. 6; pl. 8, fig. 3; pl. 9, fig. 8; pl. 10, fig. 8; pl. 11, fig. 7 (w.q.m.) U.S.A. (Colorado, Florissant, Eocene).

**Status as species:** Burnham, 1979: 113; Shattuck, 1994: 129; Bolton, 1995b: 247.

\***morio.** \**Poneropsis morio* Heer, 1867: 26, pl. 2, fig. 6 (caste?) CROATIA (Miocene).

*Incertae sedis* in Dolichoderinae: Handlirsch, 1907: 871.

Status as species: Mayr, 1867b: 57; Scudder, 1891: 728; Dalla Torre, 1893: 53; Handlirsch, 1907: 871; Bolton, 1995b: 363.

Junior synonym of \**imhoffii*: Dlussky & Putyatina, 2014: 245.

**occidentale.** *Liometopum microcephalum* var. *occidentale* Emery, 1895c: 330 (w.m.) U.S.A. (California).

Wheeler, W.M. 1917a: 522 (q.).

**Subspecies of microcephalum:** Santschi, 1911d: 7; Ruzsky, 1925b: 45.

**Subspecies of apiculatum:** Wheeler, W.M. 1905e: 324; Wheeler, W.M. 1910g: 568; Emery, 1913a: 20.

**Status as species:** Wheeler, W.M. 1917a: 521; Creighton, 1950a: 339; Smith, M.R. 1951a: 835; Smith, M.R. 1958c: 140; Smith, D.R. 1979: 1417; Snelling, R.R. & George, 1979: 158; Allred, 1982: 486; Wheeler, G.C. & Wheeler, J. 1986g: 55 (in key); Shattuck, 1994: 130; Bolton, 1995b: 247; Ward, 2005: 27; Del Toro, *et al.* 2009: 330 (redescription).

\***oligocenicum.** \**Liometopum oligocenicum* Wheeler, W.M. 1915h: 95, fig. 46 (w.) BALTIC AMBER (Eocene).

**Status as species:** Burnham, 1979: 113; Keilbach, 1982: 279; Shattuck, 1994: 130; Bolton, 1995b: 247; Dlussky & Rasnitsyn, 2009: 1029; Perkovsky, 2016: 113.

**orientale.** *Liometopum microcephalum* var. *orientalis* Karavaiev, 1927d: 339 (w.) RUSSIA.

Kupyanskaya, 1988: 31 (q.m.).

**Status as species:** Kupyanskaya, 1988: 29; Kupyanskaya, 1990: 157; Shattuck, 1994: 130; Bolton, 1995b: 247; Radchenko, 2005b: 155; Del Toro, *et al.* 2009: 337 (redescription).

\***pallens.** \**Poneropsis morio* subsp. *pallens* Heer, 1867: 267, pl. 2, fig. 6 (caste?) CROATIA (Miocene).

Subspecies of *morio*: Scudder, 1891: 729; Dalla Torre, 1893: 53; Handlirsch, 1907: 881; Bolton, 1995b: 363.

Junior synonym of \**imhoffii*: Dlussky & Putyatina, 2014: 245.

\***pallidum.** \**Poneropsis pallida* Heer, 1867: 23, pl. 2, fig. 2 (caste?) CROATIA (Miocene).

Combination in *Liometopum*: Dlussky & Putyatina, 2014: 277 [by implication because *Liometopum* senior synonym of \**Poneropsis*: Dlussky & Putyatina, 2014: 245].

**Status as species:** Scudder, 1891: 729; Dalla Torre, 1893: 53; Handlirsch, 1907: 880; Bolton, 1995b: 363.

\**pingue* Scudder, 1877; see under \**EOFORMICA*.

\**potamophilum*. \**Liometopum potamophilum* Zhang, J. 1989: 280, fig. 281 (m.) CHINA (Shandong, Miocene).

\**rhenanum*. \**Ponera rhenana* Meunier, 1917: 8, fig. 6 (wing) GERMANY (Oligocene).

Combination in \**Poneropsis*: Taylor, 1964: 139;

combination in *Liometopum*: Dlussky & Putyatina, 2014: 245 [by implication because *Liometopum* senior synonym of \**Poneropsis*: Dlussky & Putyatina, 2014: 245].

**Status as species:** Taylor, 1964: 139; Burnham, 1979: 109; Bolton, 1995b: 363.

\**schmidtii*. \**Formica schmidtii* Heer, 1849: 138, pl. 11, fig. 5 (m.) CROATIA (Miocene).

[Also described as new by Heer, 1850: 138.]

Combination in \**Poneropsis*: Heer, 1867: 24;

combination in *Liometopum*: Mayr, 1867b: 55.

**Status as species:** Giebel, 1856: 171; Heer, 1867: 24; Mayr, 1867b: 55; Scudder, 1891: 709, 729; Dalla Torre, 1893: 163; Handlirsch, 1907: 871.

Junior synonym of \**imhoffii*: Mayr, 1867b: 56; Scudder, 1891: 715; Handlirsch, 1907: 871; Shattuck, 1994: 129; Bolton, 1995b: 247; Dlussky & Putyatina, 2014: 245.

\**scudderri*. \**Liometopum scudderri* Carpenter, 1930: 47, pl. 4, fig. 4; pl. 9, fig. 4 (w.q.) U.S.A. (Colorado, Florissant, Eocene).

**Status as species:** Burnham, 1979: 113; Shattuck, 1994: 130; Bolton, 1995b: 248.

*sericatum*. *Liometopum sinense* var. *sericatum* Wheeler, W.M. 1921c: 541 (w.) CHINA (Zhejiang, Jiangsu, Fujian).

Subspecies of *sinense*: Santschi, 1925f: 88; Wheeler, W.M. 1928c: 29; Wheeler, W.M. 1930h: 72; Chapman & Capco, 1951: 192; Shattuck, 1994: 130; Bolton, 1995b: 248; Zhou, 2001a: 557 (in key).

Junior synonym of *sinense*: Del Toro, *et al.* 2009: 338.

*sinense*. *Liometopum sinense* Wheeler, W.M. 1921c: 540 (w.) CHINA (Jiangsu).

**Status as species:** Santschi, 1925f: 88; Wheeler, W.M. 1928c: 29; Wheeler, W.M. 1930h: 72; Chapman & Capco, 1951: 192; Collingwood, 1962: 218; Wang, M., 1992: 680; Shattuck, 1994: 130; Bolton, 1995b: 248; Wu, J. & Wang, 1995: 122; Tang, J., Li, *et al.* 1995: 91; Zhou, 2001a: 557 (in key); Zhou, 2001b: 160; Zhou, 2006: 585; Del Toro, *et al.* 2009: 338 (redescription); Guénard & Dunn, 2012: 25.

Senior synonym of *dentimandibulum*: Del Toro, *et al.* 2009: 338.

Senior synonym of *sericatum*: Del Toro, *et al.* 2009: 338.

\**stygium*. \**Poneropsis stygia* Heer, 1867: 27, pl. 1, fig. 20 (q.?) GERMANY (Miocene).

*Incertae sedis* in Formicidae: Taylor, 1964: 138;

combination in *Liometopum*: Dlussky & Putyatina, 2014: 277 [by implication because *Liometopum* senior synonym of \**Poneropsis*: Dlussky & Putyatina, 2014: 245].

**Status as species:** Scudder, 1891: 729; Dalla Torre, 1893: 53; Handlirsch, 1907: 881; Bolton, 1995b: 363.

\**tenuis* Heer, 1867 [\**Poneropsis*]; see under \**PONERITES*.

\**venerarium*. \**Ponera veneraria* Heer, 1865: 386, fig. 288 (q.m.) GERMANY (Miocene).

[Misspelled as \**vernaria* by Handlirsch, 1907: 882.]

Combination in *\*Poneropsis*: Heer, 1879: 412;  
*incertae sedis* in Formicidae: Handlirsch, 1907: 882; Taylor, 1964: 138;  
combination in *Liometopum*: Dlussky & Putyatina, 2014: 245 [by implication because  
*Liometopum* senior synonym of *\*Poneropsis*: Dlussky & Putyatina, 2014: 245].

**Status as species:** Scudder, 1891: 727, 729; Bolton, 1995b: 363.

**\*ventrosum.** *\*Ponera ventrosa* Heer, 1849: 151, pl. 12, fig. 8 (q.) GERMANY (Miocene).

[Also described as new by Heer, 1850: 151.]

Combination in *\*Poneropsis*: Taylor, 1964: 138;

combination in *Liometopum*: Dlussky & Putyatina, 2014: 245 [by implication because  
*Liometopum* senior synonym of *\*Poneropsis*: Dlussky & Putyatina, 2014: 245].

**Status as species:** Giebel, 1856: 175; Scudder, 1891: 727; Dalla Torre, 1893: 43;  
Handlirsch, 1907: 880; Bolton, 1995b: 363.

**\*vernaria**, misspelling, see under *\*venerarium*.

*xanthochroum* Roger, 1863; see under **AZTECA**.