

*paiute*. *Temnothorax paiute* Snelling, R.R. et al. 2014: 61, figs. 13, 20, 24 (w.) U.S.A. (California, Nevada).

*pallens* Plateaux, 1981 (unavailable name); see under **LEPTOTHORAX**.

*pallidipes*. *Leptocephalus pallidipes* Santschi, 1910b: 61 (w.q.) TUNISIA.

Combination in *L. (Temnothorax)*: Santschi, 1918a: 32;

combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species**: Karavaiev, 1912a: 3; Emery, 1924d: 259; Bolton, 1995b: 242; Bolton, 2003: 271; Borowiec, L. 2014: 185.

*pallidus*. *Leptocephalus pallidus* Collingwood, 1961a: 63, fig. 7 (w.) AFGHANISTAN.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species**: Radchenko, 1994d: 152 (in key); Bolton, 1995b: 242; Radchenko, 1995a: 28; Bolton, 2003: 271.

*pallipes*. *Antillaemyrmex albispina* subsp. *pallipes* Wheeler, W.M. 1931b: 27 (w.q.) PUERTO RICO (attributed to Mann).

[*Macromischa albispina* var. *pallipes* Mann, 1920: 424. *Nomen nudum*.]

Combination in *Macromischa (Antillaemyrmex)*: Wheeler, W.M. 1937b: 465.

Subspecies of *albispinus*: Smith, M.R. 1937: 851; Wheeler, W.M. 1937b: 465; Kempf, 1972a: 135.

Junior synonym of *albispinus*: Baroni Urbani, 1978b: 413; Brandão, 1991: 351; Bolton, 1995b: 242.

*palustris*. *Leptocephalus palustris* Deyrup & Cover, 2004a: 52, figs. 1, 2 (w.q.m.) U.S.A. (Florida).

Combination in *Temnothorax*: Deyrup, 2017: 145.

**Status as species**: Deyrup, 2017: 145.

*pamiricus*. *Leptocephalus pamiricus* Ruzsky, 1902b: 478 (w.) TAJIKISTAN.

Menozzi, 1939a: 303 (q.m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Subspecies of bulgaricus**: Forel, 1904b: 375; Emery, 1924d: 253; Kuznetsov-Ugamsky, 1926a: 75; Kuznetsov-Ugamsky, 1927d: 40; Menozzi, 1939a: 302.

**Status as species**: Ruzsky, 1905b: 577; Radchenko, 1994d: 152 (in key); Bolton, 1995b: 242; Radchenko, 1995a: 26; Bolton, 2003: 271.

*pan*. *Leptocephalus pan* Santschi, 1936c: 203, fig. 2 (w.) MOROCCO.

Cagniant & Espadaler, 1997: 271 (q.m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species**: Bolton, 1995b: 242; Cagniant & Espadaler, 1997: 271; Bolton, 2003: 271; Cagniant, 2006a: 198; Borowiec, L. 2014: 185.

*paolii* Santschi, 1923 (unavailable name); see under **LEPTOTHORAX**.

*pardo*. *Leptocephalus pardo* Tinaut, 1987: 315, figs. 1, 2 (w.q.m.) SPAIN.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species**: Bolton, 1995b: 242; Collingwood & Prince, 1998: 17 (in key); Bolton, 2003: 271; Casevitz-Weulersse & Galkowski, 2009: 496; Borowiec, L. 2014: 185; Lebas, et al. 2016: 360.

*parkeri* Espadaler & DuMerle, 1989 (unavailable name); see under **LEPTOTHORAX**.

*parvulus*. *Myrmica parvula* Schenck, 1852: 103 (w.) GERMANY.

[Also described as new by Schenck, 1853: 187.]

Mayr, 1855: 448 (q.); Novák, in Kratochvíl, et al. 1944: 116 (m.).

Combination in *Leptocephalus*: Mayr, 1855: 448;

combination in *Temnothorax*: Bolton, 2003: 271.

Junior synonym of *cingulata*: Nylander, 1856b: 93; Dours, 1873: 168.

Junior synonym of *nylanderi*: Smith, F. 1858a: 280; Smith, F. 1858b: 120; Mayr, 1861: 59 (in key); Roger, 1863b: 26; Mayr, 1863: 427; André, 1874: 203 (in list).

As unavailable (infrasubspecific) name: Forel, 1874: 86, 102 (in list); Emery & Forel, 1879: 459; Forel, 1892i: 314; Ruzsky, 1905b: 598; Santschi, 1910e: 649; Gösswald, 1932: 92; Schmitz, 1950: 15.

**Subspecies of *tuberum*:** André, 1883a: 300; Soudek, 1922: 52.

**Subspecies of *nylanderi*:** Forel, 1874: 86; Dalla Torre, 1893: 126; Ruzsky, 1902d: 23; Stitz, 1914: 64; Forel, 1915d: 22 (in key); Emery, 1916b: 175; Menozzi, 1918: 85; Bondroit, 1918: 123; Menozzi, 1918: 85; Müller, 1923b: 95; Emery, 1924d: 255; Stärcke, 1926: 93 (in key); Grandi, 1935: 101; Zimmermann, 1935: 34; Novák, in Novák & Sadil, 1941: 91 (in key); Novák, in Kratochvíl, *et al.* 1944: 116; van Boven, 1947: 180.

**Status as species:** Mayr, 1855: 448 (redescription); Gredler, 1858: 28; Bernard, 1956a: 161; Bernard, 1959: 349; Bernard, 1967: 203 (redescription); Kutter, 1968a: 60; Baroni Urbani, 1971c: 119; Pisarski, 1975: 21; van Boven, 1977: 105; Arnol'di & Dlussky, 1978: 541 (in key); Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 274 (in key); Dlussky, Soyunov & Zabelin, 1990: 191; Casevitz-Weulersse, 1990c: 418 (in key); Atanassov & Dlussky, 1992: 140; Arakelian, 1994: 56; Radchenko, 1994d: 153 (in key); Bolton, 1995b: 242; Douwes, 1995: 90; Poldi, *et al.* 1995: 5; Radchenko, 1995d: 4; Espadaler, 1997b: 30; Bolton, 2003: 271; Czechowski, *et al.* 2002: 52; Bráčko, 2006: 142; Markó, Sipos, *et al.* 2006: 70; Petrov, 2006: 97 (in key); Bráčko, 2007: 18; Seifert, 2007: 241; Werner & Wiezik, 2007: 141; Gratiashvili & Barjadze, 2008: 143; Paknia, *et al.* 2008: 152; Lapeva-Gjonova, *et al.* 2010: 23; Boer, 2010: 52; Csösz, *et al.* 2011: 57; Karaman, M.G. 2011b: 32; Borowiec, L. & Salata, 2012: 543; Czechowski, *et al.* 2012: 150; Kiran & Karaman, 2012: 26; Borowiec, L. 2014: 186; Csösz, Heinze & Mikó, 2015: 47 (redescription); Lebas, *et al.* 2016: 368; Radchenko, 2016: 225; Salata & Borowiec, 2018c: 50; Seifert, 2018: 216.

***pastinifer*.** *Macromischa pastinifera* Emery, 1894c: 164, pl. 1, fig. 18 (w.) BAHAMAS.

Mann, 1929: 161 (q.m.).

Combination in *M. (Macromischa)*: Mann, 1920: 414;

combination in *Leptothorax (Macromischa)*: Baroni Urbani, 1978b: 470;

combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Emery, 1896a: 103 (in list); Wheeler, W.M. 1905b: 127; Wheeler, W.M. 1908a: 142 (in key); Mann, 1920: 414; Emery, 1924d: 247; Mann, 1929: 161; Wheeler, W.M. 1937b: 464; Smith, M.R. 1954c: 6; Kempf, 1972a: 137; Alayo, 1974: 16 (in key); Baroni Urbani, 1978b: 470 (redescription); Brandão, 1991: 352; Bolton, 1995b: 242; Fontenla Rizo, 1997a: 51; Bolton, 2003: 272.

**Senior synonym of *lucayensis*:** Baroni Urbani, 1978b: 471; Brandão, 1991: 352; Bolton, 1995b: 243; Fontenla Rizo, 1997a: 51.

**Senior synonym of *opacipes*:** Smith, M.R. 1954c: 6; Kempf, 1972a: 137; Baroni Urbani, 1978b: 470; Brandão, 1991: 352; Bolton, 1995b: 242; Fontenla Rizo, 1997a: 51.

**Senior synonym of *pastoris*:** Fontenla Rizo, 1997a: 51.

***pastoris*.** *Leptothorax (Macromischa) pastoris* Baroni Urbani, 1978b: 475 (w.) CUBA.

Status as species: Brandão, 1991: 350; Bolton, 1995b: 243.

Junior synonym of *pastinifer*: Fontenla Rizo, 1997a: 51.

***pelagosanus*.** *Leptothorax pelagosanus* Müller, 1923a: 70 (w.) CROATIA (Palagruza I.).

[Also described as new by Müller, 1923b: 90.]

Combination in *Temnothorax*: Bolton, 2003: 271.

Junior synonym of *massiliensis*: Baroni Urbani, 1962: 131; Baroni Urbani, 1971c: 115.

**Status as species:** Zimmermann, 1935: 31; Agosti & Collingwood, 1987a: 56; Bolton, 1995b: 243; Bolton, 2003: 271; Bráčko, 2006: 142; Borowiec, L. 2014: 186; Lebas, *et al.* 2016: 360.

***peninsularis***. *Leptocephalus (Goniocephalus) peninsularis* Wheeler, W.M. 1934f: 134 (q.) MEXICO (Baja California Sur).

Combination in *Temnocephalus*: Bolton, 2003: 272.

**Status as species**: Kempf, 1972a: 133; Bolton, 1995b: 243; Mackay, 2000: 386 (redescription); Bolton, 2003: 272.

***pergandei***. *Leptocephalus (Dichocephalus) pergandei* Emery, 1895c: 323, pl. 8, fig. 13 (w.) U.S.A. (District of Columbia).

[*Leptocephalus (Dichocephalus) pergandei* Wasmann, 1894: 165. *Nomen nudum* (attributed to Emery).]

Wheeler, W.M. 1903c: 257 (q.m.); Wheeler, G.C. & Wheeler, J. 1960b: 23 (l.).

Combination in *Temnocephalus*: Bolton, 2003: 272.

**Status as species**: Wheeler, W.M. 1901b: 539; Wheeler, W.M. 1903c: 256; Wheeler, W.M. 1910g: 567; Wheeler, W.M. 1913c: 114; Wheeler, W.M. 1917i: 462; Emery, 1924d: 260; Dennis, 1938: 290; Wesson, L.G. & Wesson, R.G. 1940: 98; Buren, 1944a: 288; Creighton, 1950a: 260; Smith, M.R. 1951a: 820; Carter, 1962a: 7 (in list); Smith, M.R. 1967: 359; Smith, D.R. 1979: 1396; DuBois & LaBerge, 1988: 139; Deyrup, et al. 1989: 97; Mackay, 1993a: 289 (redescription); Bolton, 1995b: 243; Mackay & Mackay, 2002: 135; Bolton, 2003: 272; Deyrup, 2003: 45; Deyrup & Cover, 2004a: 56 (in key); Coovert, 2005: 77; MacGown & Forster, 2005: 72; Deyrup, 2017: 146.

**Senior synonym of *floridanus***: Mackay, 1993a: 289; Bolton, 1995b: 243.

**Senior synonym of *flavus***: Mackay, 1993a: 289; Bolton, 1995b: 243.

**Senior synonym of *manni*** Wesson: Wesson, L.G. 1939: 180; Creighton, 1950a: 260; Smith, M.R. 1951a: 820; Smith, D.R. 1979: 1396; Mackay, 1993a: 289; Bolton, 1995b: 243; Mackay, 2000: 403; Coovert, 2005: 77.

***personatus***. *Leptocephalus personatus* Cagniant, 1987c: 243, figs. 1-3 (w.q.m.) MOROCCO.

Combination in *Temnocephalus*: Bolton, 2003: 271.

**Status as species**: Bolton, 1995b: 243; Cagniant & Espadaler, 1997: 276; Bolton, 2003: 271; Cagniant, 2006a: 198; Borowiec, L. 2014: 186.

**\**petiolatus***. \**Macromischa petiolata* Mayr, 1868b: 85, pl. 4, figs. 83, 84 (w.) BALTIC AMBER (Eocene).

Combination in \**Nothomyrmica*: Wheeler, W.M. 1915h: 62;

combination in *Temnocephalus*: Dlussky & Radchenko, 2006b: 561.

**Status as species**: Scudder, 1891: 716; Dalla Torre, 1893: 120; André, 1895b: 82 (in list); Handlirsch, 1907: 876; Wheeler, W.M. 1915h: 62; Burnham, 1979: 110; Keilbach, 1982: 275; Bolton, 1995b: 292; Dlussky & Radchenko, 2006b: 561; Dlussky & Rasnitsyn, 2009: 1032; Perkovsky, 2016: 117.

*petiolatus*. *Leptocephalus petiolatus* Forel, 1901c: 129 (w.) MEXICO (Morelos).

[**Junior secondary homonym** of \**Macromischa petiolata* Mayr, 1868b: 85, 1868c: 85.]

Wheeler, W.M. 1931b: 13 (q.).

Combination in *Macromischa*: Emery, 1924d: 247.

Status as species: Emery, 1924d: 247; Wheeler, W.M. 1931b: 13; Wheeler, W.M. 1942: 205.

**Replacement name**: *Macromischa foreli* Aguayo, 1931: 182.

***petri***. *Macromischa wheeleri* subsp. *petri* Aguayo, 1931: 181 (w.) CUBA.

Subspecies of *wheeleri*: Wheeler, W.M. 1937b: 465.

Junior synonym of *wheeleri*: Brown, 1959e: 73; Kempf, 1972a: 139; Baroni Urbani, 1978b: 527; Brandão, 1991: 353; Bolton, 1995b: 243.

***peyerimhoffi***. *Leptocephalus peyerimhoffi* Santschi, 1929c: 101, fig. 3 (w.) ALGERIA.

[Also described as new by Santschi, 1934f: 169.]

Combination in *Temnocephalus*: Bolton, 2003: 271.

- Status as species:** Bolton, 1995b: 243; Bolton, 2003: 271; Borowiec, L. 2014: 186; Galkowski & Cagniant, 2017: 189.
- pici*. *Leptothorax aveli* var. *pici* Bondroit, 1918: 128 (w.) FRANCE.  
 Subspecies of *aveli*: Emery, 1924d: 253; Bolton, 1995b: 243.  
 Junior synonym of *aveli*: Casevitz-Weulersse & Galkowski, 2009: 494; Plateaux & Cagniant, 2013: 430.
- pictus*. *Leptothorax (Temnothorax) pictus* Emery, 1924c: 166 (w.) SPAIN.  
 Subspecies of *recedens*: Ceballos, 1956: 306.  
 Junior synonym of *recedens*: Collingwood, 1978: 69; Bolton, 1995b: 243; Radchenko, 2016: 226; Salata, Borowiec & Trichas, 2018: 793.
- pilagens***. *Temnothorax pilagens* Seifert, Kleeberg, *et al.* 2014: 69, figs, 1, 3, 5 (w.q.) U.S.A. (Michigan).
- pinetorum*. *Leptothorax ambiguus* var. *pinetorum* Wesson, L.G. & Wesson, R.G. 1940: 97 (w.q.m.) U.S.A. (Ohio).  
 Combination in *L. (Myrafant)*: Smith, D.R. 1979: 1392.  
 As unavailable (infrasubspecific) name: Smith, M.R. 1951a: 817.  
 Subspecies of *ambiguus*: Creighton, 1950a: 263; Smith, M.R. 1958c: 131; Smith, D.R. 1979: 1392; Bolton, 1995b: 243.  
 Junior synonym of *ambiguus*: Coovert, 2005: 71; Shattuck & Cover, 2016: 20.
- pisarskii***. *Temnothorax pisarskii* Radchenko, 2004: 115, figs. 7-15 (w.q.m.) NORTH KOREA.  
**Status as species:** Radchenko, 2005b: 152; Zhou, *et al.* 2010: 10 (in key); Guénard & Dunn, 2012: 55.
- pithyusae*. *Leptothorax pithyusae* Arnol'di, 1977a: 201 (w.q.) RUSSIA (Caucasus).  
 Status as species: Arnol'di & Dlussky, 1978: 542 (in key); Arakelian, 1994: 57.  
 Junior synonym of *tauricus*: Radchenko, 1994d: 157 (in key); Bolton, 1995b: 243; Radchenko, 1995c: 16; Radchenko, 2016: 228.
- \**placivus***. \**Leptothorax placivus* Wheeler, W.M. 1915h: 66 (w.) BALTIC AMBER (Eocene).  
 Combination in *Temnothorax*: Bolton, 2003: 271.
- Status as species:** Burnham, 1979: 111; Keilbach, 1982: 276; Bolton, 1995b: 243; Bolton, 2003: 271; Dlussky & Rasnitsyn, 2009: 1032; Perkovsky, 2016: 117.
- platycephalus***. *Leptothorax platycephalus* Espadaler, 1997a: 153 (w.q.m.) SPAIN.  
 Combination in *Temnothorax*: Bolton, 2003: 271.
- Status as species:** Bolton, 2003: 271; Borowiec, L. 2014: 186; Galkowski & Lebas, 2016: 85 (in key); Lebas, *et al.* 2016: 364.
- platycnemis***. *Macromischa platycnemis* Wheeler, W.M. 1937b: 452 (w.) CUBA.  
 Combination in *Leptothorax (Macromischa)*: Baroni Urbani, 1978b: 476;  
 combination in *Temnothorax*: Bolton, 2003: 272.  
**Status as species:** Wheeler, W.M. 1937b: 464; Kempf, 1972a: 138; Alayo, 1974: 17 (in key); Baroni Urbani, 1978b: 476 (redescription); Brandão, 1991: 352; Bolton, 1995b: 243; Fontenla Rizo, 2001: 17 (in key); Bolton, 2003: 272.
- poeyi***. *Macromischa poeyi* Wheeler, W.M. 1913b: 489 (w.) CUBA.  
 Combination in *M. (Croesomyrmex)*: Mann, 1920: 408;  
 combination in *Croesomyrmex*: Wheeler, W.M. 1931b: 26;  
 combination in *Leptothorax (Macromischa)*: Baroni Urbani, 1978b: 477;  
 combination in *Temnothorax*: Bolton, 2003: 272.  
**Status as species:** Emery, 1924d: 247; Mann, 1920: 408 (in key); Mann, 1924: 21 (redescription); Wheeler, W.M. 1931b: 26; Santschi, 1931c: 274; Aguayo, 1932: 222; Wheeler, W.M. 1937b: 465; Kempf, 1972a: 138; Alayo, 1974: 15 (in key); Baroni Urbani, 1978b: 477 (redescription); Brandão, 1991: 352; Bolton, 1995b: 243; Fontenla Rizo, 1997a: 52; Fontenla Rizo, 2001: 16 (in key); Bolton, 2003: 272.

**Senior synonym of *rugiceps*:** Fontenla Rizo, 1997a: 52.

***politus*.** *Macromischa polita* Smith, M.R. 1939e: 506, pl. 1, fig. B (w.) U.S.A. (Arizona).

Combination in *Leptocephalus* (*Macromischa*): Baroni Urbani, 1978b: 478; combination in *Temnocephalus*: Bolton, 2003: 272.

**Status as species:** Creighton, 1950a: 252; Smith, M.R. 1951a: 816; Hunt & Snelling, 1975: 22; Smith, D.R. 1979: 1390; Baroni Urbani, 1978b: 478 (redescription); Bolton, 1995b: 243; Bolton, 2003: 272.

***porphyritis*.** *Macromischa porphyritis* Roger, 1863a: 185 (w.) CUBA.

Mann, 1929: 162 (q.).

Combination in *M.* (*Macromischa*): Mann, 1920: 413;

combination in *Leptocephalus* (*Macromischa*): Baroni Urbani, 1978b: 480;

combination in *Temnocephalus*: Bolton, 2003: 272.

**Status as species:** Roger, 1863b: 28; Mayr, 1863: 428; Dalla Torre, 1893: 120; Emery, 1896a: 103 (in list); Wheeler, W.M. 1905b: 127; Wheeler, W.M. 1908a: 142 (in key); Wheeler, W.M. 1913b: 487; Mann, 1920: 413 (redescription); Emery, 1924d: 247; Mann, 1929: 162; Wheeler, W.M. 1931b: 17 (redescription); Wheeler, W.M. 1937b: 464; Kempf, 1972a: 138; Alayo, 1974: 16 (in key); Baroni Urbani, 1978b: 480 (redescription); Brandão, 1991: 352; Bolton, 1995b: 243; Fontenla Rizo, 2001: 16 (in key); Bolton, 2003: 272.

**Senior synonym of *jaumei*:** Baroni Urbani, 1978b: 480; Brandão, 1991: 352; Bolton, 1995b: 243.

**Senior synonym of *latispina*:** Baroni Urbani, 1978b: 480; Brandão, 1991: 352; Bolton, 1995b: 243.

\****praecreolus*.** \**Leptocephalus* (*Macromischa*) *praecreolus* De Andrade, 1992: 344, figs. 1, 2 (w.) DOMINICAN AMBER (Dominican Republic, Miocene).

Combination in *Temnocephalus*: Bolton, 2003: 272.

**Status as species:** Bolton, 1995b: 243; Bolton, 2003: 272.

***pratostepposus*.** *Leptocephalus pratostepposus* Arnol'di, 1977a: 202 (w.q.) RUSSIA.

Status as species: Arnol'di & Dlussky, 1978: 543 (in key).

Junior synonym of *tuberum*: Radchenko, 1994d: 157 (in key); Bolton, 1995b: 243; Radchenko, 1995c: 14; Radchenko, 2016: 229.

\****prisca*** André, 1895 [*Macromischa*]; see under **VOLLENHOVIA**.

***productus*.** *Leptocephalus cabrerae* st. *productus* Santschi, 1918a: 35, fig. C (w.q.) MOROCCO.

Cagniant & Espadaler, 1997: 281 (m.).

Combination in *Temnocephalus*: Bolton, 2003: 271.

**Subspecies of *cabrerae*:** Emery, 1924d: 252; Bolton, 1995b: 243.

**Status as species:** Cagniant & Espadaler, 1997: 280; Bolton, 2003: 271; Cagniant, 2006a: 198; Borowiec, L. 2014: 186.

***proteii*.** *Temnocephalus proteii* Salata, Borowiec & Trichas, 2018: 788, figs. 56-60, 62 (w.) GREECE (Crete I.)

**Status as species:** Salata & Borowiec, 2018c: 49.

***proxima*.** *Macromischa bruneri* subsp. *proxima* Wheeler, W.M. 1937b: 457 (w.) CUBA.

Subspecies of *bruneri*: Kempf, 1972a: 136; Alayo, 1974: 38.

Junior synonym of *bruneri*: Baroni Urbani, 1978b: 431; Brandão, 1991: 351; Bolton, 1995b: 243.

***pseudandrei*.** *Temnocephalus pseudandrei* Snelling, R.R. et al. 2014: 64, figs. 14-16, 20, 24-25 (w.q.m.) U.S.A. (Arizona, California).

***pseudoxanthus*** Plateaux, 1981 (unavailable name); see under **LEPTOCEPHALUS**.

***pulchellus*.** *Macromischa pulchella* Emery, 1894c: 162 (w.q.) VIRGIN IS (St Thomas I.).

Combination in *M.* (*Antillaemymex*): Mann, 1920: 408;

combination in *Antillaemymex*: Wheeler, W.M. 1931b: 32;

combination in *Leptothorax (Macromischa)*: Baroni Urbani, 1978b: 482;  
combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Emery, 1896a: 103 (in list); Wheeler, W.M. 1905b: 127; Wheeler, W.M. 1908a: 138; Mann, 1920: 409 (in key); Emery, 1924d: 247; Wheeler, W.M. 1931b: 32; Wheeler, W.M. 1937b: 465; Kempf, 1972a: 138; Baroni Urbani, 1978b: 482 (redescription); Brandão, 1991: 352; Bolton, 1995b: 243; Bolton, 2003: 272.

**punctaticeps.** *Leptothorax (Myrafant) punctaticeps* Mackay, 2000: 388, figs. 38, 149 (w.) MEXICO (Nuevo León).

Combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Bolton, 2003: 272.

**punctatissimus.** *Leptothorax (Myrafant) punctatissimus* Mackay, 2000: 390, figs. 40, 150 (w.q.) MEXICO (Nuevo León).

Combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Bolton, 2003: 272.

**punctithorax.** *Leptothorax (Myrafant) punctithorax* Mackay, 2000: 392, figs. 31, 151, 152 (w.) MEXICO (Mexico).

Combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Bolton, 2003: 272.

**punicans.** *Macromischa punicans* Roger, 1863a: 189 (w.) CUBA.

Combination in *Aphaenogaster*: Emery, 1896a: 103;

combination in *Pheidole*: Emery, 1915d: 67; Emery, 1922e: 109;

combination in *Macromischa (Macromischa)*: Mann, 1920: 418;

combination in *Croesomyrmex*: Wheeler, W.M. 1931b: 22;

combination in *Macromischa (Croesomyrmex)*: Wheeler, W.M. 1937b: 465;

combination in *Leptothorax (Macromischa)*: Baroni Urbani, 1978b: 484;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Roger, 1863b: 28; Mayr, 1863: 428; Dalla Torre, 1893: 120; Wheeler, W.M. 1905b: 127; Wheeler, W.M. 1908a: 141 (in key); Wheeler, W.M. 1913b: 488; Mann, 1920: 418 (redescription); Emery, 1922e: 109; Wheeler, W.M. 1931b: 29 (redescription); Wheeler, W.M. 1937b: 465; Kempf, 1972a: 138; Alayo, 1974: 17 (in key); Baroni Urbani, 1978b: 484 (redescription); Brandão, 1991: 352; Bolton, 1995b: 243; Fontenla Rizo, 2001: 15 (in key); Bolton, 2003: 272.

**pupseli.** *Leptothorax buggnioni* st. *pupseli* Santschi, 1909b: 464 (w.) TUNISIA.

**Subspecies of buggnioni:** Emery, 1924d: 251; Menozzi, 1940: 269; Bolton, 1995b: 243 (error).

**Status as species:** Cagniant, 1970a: 419; Borowiec, L. 2014: 186.

**purpuratus.** *Macromischa purpurata* Roger, 1863a: 184 (w.) CUBA.

Mann, 1920: 411 (q.).

Combination in *M. (Macromischa)*: Mann, 1920: 411;

combination in *Leptothorax (Macromischa)*: Baroni Urbani, 1978b: 486;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Roger, 1863b: 28; Mayr, 1863: 428; Dalla Torre, 1893: 120; Emery, 1896a: 103 (in list); Wheeler, W.M. 1905b: 127; Wheeler, W.M. 1908a: 142 (in key); Wheeler, W.M. 1913b: 487; Mann, 1920: 411 (redescription); Emery, 1924d: 247; Wheeler, W.M. 1937b: 449, 464; Kempf, 1972a: 138; Alayo, 1974: 17 (in key); Baroni Urbani, 1978b: 486 (redescription); Brandão, 1991: 352; Bolton, 1995b: 243; Fontenla Rizo, 2001: 16 (in key); Bolton, 2003: 272.

**pyrenaeus.** *Leptothorax nigriceps* var. *pyrenaeus* Bondroit, 1918: 126 (w.q.) FRANCE.

As unavailable (infrasubspecific) name: Emery, 1924d: 256.

Status as species: Bondroit, 1920b: 304; Borowiec, L. 2014: 187 (error).

Subspecies of *nigriceps*: Bolton, 1995b: 243.

Junior synonym of *tuberum*: Casevitz-Weulersse & Galkowski, 2009: 496; Casevitz-Weulersse & Galkowski, 2009: 496.

***quasimodo***. *Temnothorax quasimodo* Snelling, R.R. et al. 2014: 69, figs. 17, 24 (w.) U.S.A. (California).

*rabaudi*. *Leptothorax rabaudi* Bondroit, 1918: 129, fig. 64 (w.q.) FRANCE.

Bernard, 1967: 210 (m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

Subspecies of *affinis*: Menozzi, 1925d: 28; Stärcke, 1926: 94 (in key); Finzi, 1933: 164.

Status as species: Emery, 1924d: 255; Finzi, 1933: 164; Bernard, 1956a: 163; Bernard, 1967: 210 (redescription); Kutter, 1968a: 60; Collingwood & Yarrow, 1969: 72; Collingwood, 1976: 304; Baroni Urbani, 1971c: 120; Collingwood, 1976: 304; Collingwood, 1978: 85 (in key); Schembri & Collingwood, 1981: 433; Agosti & Collingwood, 1987b: 275 (in key); Casevitz-Weulersse, 1990c: 418 (in key); Bolton, 1995b: 243; Schembri & Collingwood, 1995: 155; Espadaler, 1997b: 30; Collingwood & Prince, 1998: 17 (in key); Gallé, et al. 1998: 215; Bolton, 2003: 271; Petrov, 2006: 97 (in key); Csösz, et al. 2011: 57.

Junior synonym of *aveli*: Casevitz-Weulersse & Galkowski, 2009: 494; Plateaux & Cagniant, 2013: 430.

***racovitzai***. *Leptothorax racovitzai* Bondroit, 1918: 133 (w.q.) FRANCE.

Kutter, 1977c: 133 (m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

As unavailable (infrasubspecific) name: Menozzi, 1925d: 29.

Junior synonym of *parvulus*: Bernard, 1967: 203.

**Subspecies of *luteus***: Plateaux & Cagniant, 2013: 431.

**Status as species**: Emery, 1924d: 255; Santschi, 1931a: 8; Ceballos, 1956: 306; Collingwood & Yarrow, 1969: 72; Baroni Urbani, 1971c: 121; Kutter, 1977c: 133; Collingwood, 1978: 85 (in key); Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 275 (in key); Casevitz-Weulersse, 1990c: 418 (in key); Bolton, 1995b: 243; Poldi, et al. 1995: 5; Espadaler, 1997b: 30; Collingwood & Prince, 1998: 16 (in key); Bolton, 2003: 271; Petrov, 2006: 98 (in key); Casevitz-Weulersse & Galkowski, 2009: 496; Karaman, M.G. 2011b: 32; Borowiec, L. 2014: 187; Seifert, et al. 2014: 54; Lebas, et al. 2016: 360.

**Senior synonym of *massiliensis***: Casevitz-Weulersse & Galkowski, 2009: 496; Seifert, et al. 2014: 51.

***ravouxi***. *Formicoxenus ravouxi* André, 1896a: 367 (q.) FRANCE.

Buschinger, Fischer, et al. 1987: 272 (k.).

Combination in *Epimyrma*: Emery, 1915a: 262;

combination in *Myrmoxenus*: Schulz, A. & Sanetra, 2002: 162;

combination in *Temnothorax*: Ward, et al. 2015: 75.

**Status as species**: Emery, 1908f: 553; Bondroit, 1918: 140; Menozzi, 1921: 28; Emery, 1924d: 263; Vandel, 1926: 197; Menozzi, 1931c: 44 (redescription); Bernard, 1967: 220 (redescription); Kutter, 1968a: 60; Kutter, 1968b: 204; Kutter, 1973e: 285; Buschinger, 1982: 352; Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 276 (in key); Buschinger, 1989: 266; Mei, 1992b: 149; Schulz, A. 1994b: 437; Bolton, 1995b: 188; Poldi, et al. 1995: 5; Buschinger, 1997: 8; Gallé, et al. 1998: 215; Czechowski, et al. 2002: 59; Schulz, A. & Sanetra, 2002: 162; Tinaut, Ruano & Martinez, 2005: 456; Bračko, 2006: 139; Petrov, 2006: 99 (in key); Bračko, 2007: 18; Seifert, 2007: 243; Werner & Wiezik, 2007: 141; Casevitz-Weulersse & Galkowski, 2009: 492; Lapeva-Gjonova, et al. 2010: 26; Csösz, et al. 2011: 57; Legakis, 2011: 17; Borowiec, L. & Salata, 2012: 525; Czechowski, et al.

2012: 164; Kiran & Karaman, 2012: 23; Borowiec, L. 2014: 137; Lebas, *et al.* 2016: 328; Radchenko, 2016: 205; Salata & Borowiec, 2018c: 47; Seifert, 2018: 218.

**Senior synonym of *goesswaldi*:** Buschinger, 1982: 352; Buschinger, 1989: 266; Mei, 1992b: 149; Schulz, A. 1994b: 432; Bolton, 1995b: 188; Buschinger, 1997: 8; Gallé, *et al.* 1998: 215; Czechowski, *et al.* 2002: 59; Casevitz-Weulersse & Galkowski, 2009: 492; Csösz, *et al.* 2011: 57; Czechowski, *et al.* 2012: 164; Radchenko, 2016: 205.

***recedens*.** *Myrmica recedens* Nylander, 1856b: 94, pl. 3, fig. 41 (w.) FRANCE.

[Misspelled as *recendes* by Menozzi, 1925d: 33.]

Roger, 1859: 258 (q.); Forel, 1874: 83, 94 (m.).

Combination in *Leptothorax*: Roger, 1859: 258;

combination in *Temnothorax*: Mayr, 1861: 69;

combination in *Leptothorax* (*Temnothorax*): Forel, 1890a: lxxii;

combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Smith, F. 1858b: 120; Roger, 1859: 258; Mayr, 1861: 69; Roger, 1863b: 30; Mayr, 1863: 456; Emery, 1869b: 18; Dours, 1873: 168; Forel, 1874: 83 (in key); André, 1874: 198 (in key); Emery & Forel, 1879: 459; André, 1883a: 308 (in key); Forel, 1889: 257; Saunders, E. 1890: 204; Forel, 1892i: 315; Dalla Torre, 1893: 126; Ruzsky, 1902d: 25; Ruzsky, 1905b: 607; Forel, 1915d: 27; Emery, 1916b: 176; Bondroit, 1918: 138; Santschi, 1918a: 32; Menozzi, 1922b: 329; Müller, 1923a: 71; Müller, 1923b: 88; Emery, 1924d: 260; Menozzi, 1925d: 33; Karavaiev, 1927a: 293; Kutter, 1927: 100; Menozzi, 1927b: 91; Grandi, 1935: 101; Bernard, 1945: 134; Consani & Zangheri, 1952: 42; Bernard, 1956b: 259; Ceballos, 1956: 306; Cagniant, 1966b: 280; Bernard, 1967: 186 (redescription); Cagniant, 1968a: 144; Kutter, 1968a: 59; Collingwood & Yarrow, 1969: 68; Baroni Urbani, 1971c: 96; Pisarski, 1975: 22; Kutter, 1977c: 135; Collingwood, 1978: 77 (in key); Arnol'di & Dlussky, 1978: 544 (in key); Schembri & Collingwood, 1981: 433; Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 274 (in key); Dlussky & Soyunov, 1988: 31 (redescription); Kugler, J. 1988: 257; Dlussky, Soyunov & Zabelin, 1990: 186; Casevitz-Weulersse, 1990c: 418 (in key); Atanassov & Dlussky, 1992: 126; Collingwood, 1993b: 194; Arakelian, 1994: 59; Bolton, 1995b: 243; Poldi, *et al.* 1995: 4; Schembri & Collingwood, 1995: 156; Cagniant & Espadaler, 1997: 268; Espadaler, 1997b: 30; Collingwood & Prince, 1998: 16 (in key); Bolton, 2003: 271; Bračko, 2006: 142; Cagniant, 2006a: 198; Petrov, 2006: 96 (in key); Bračko, 2007: 18; Gratiashvili & Barjadze, 2008: 143; Casevitz-Weulersse & Galkowski, 2009: 496; Vonshak, *et al.* 2009: 44; Lapeva-Gjonova, *et al.* 2010: 24; Karaman, M.G. 2011b: 32; Legakis, 2011: 19; Borowiec, L. & Salata, 2012: 543; Kiran & Karaman, 2012: 26; Borowiec, L. 2014: 187; Bračko, *et al.* 2014: 16; Tohmé, G. & Tohmé, 2014: 136; Salata & Borowiec, 2015c: 139 (in key); Lebas, *et al.* 2016: 370; Radchenko, 2016: 226; Salata, Borowiec & Trichas, 2018: 793 (redescription); Salata & Borowiec, 2018c: 50; Seifert, 2018: 200.

**Senior synonym of *barbarus*:** Cagniant & Espadaler, 1997: 268; Radchenko, 2016: 226; Salata, Borowiec & Trichas, 2018: 793.

**Senior synonym of *ergatogyna*:** Dlussky & Soyunov, 1988: 31; Bolton, 1995b: 243; Casevitz-Weulersse & Galkowski, 2009: 496; Radchenko, 2016: 226; Salata, Borowiec & Trichas, 2018: 793.

**Senior synonym of *mordax*:** Dlussky & Soyunov, 1988: 31; Bolton, 1995b: 243; Radchenko, 2016: 226; Salata, Borowiec & Trichas, 2018: 793.

**Senior synonym of *pictus*:** Collingwood, 1978: 69; Bolton, 1995b: 243; Radchenko, 2016: 226; Salata, Borowiec & Trichas, 2018: 793.

***reducens*.** *Tetramorium reduncum* Wang, M. & Wu, in Wang, M., Xiao & Wu, 1988: 268, figs. 21, 22 (w.) CHINA (Sichuan).

Combination in *Leptothorax*: Wang, M. in Bolton, 1995b: 243;

combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Bolton, 1995b: 243; Wu, J. & Wang, 1995: 84; Bolton, 2003: 271; Zhou, *et al.* 2010: 11 (in key); Guénard & Dunn, 2012: 55.

***reticulatus*.** *Leptocephalus reticulatus* Chang & He, 2001b: 3, figs. 3, 7, 11 (w.) CHINA (Ningxia).

Combination in *Temnothorax*: Zhou, *et al.* 2010: 11 (in key).

**Status as species:** Zhou, *et al.* 2010: 11 (in key); Guénard & Dunn, 2012: 55.

***retifer*.** *Leptocephalus exilis* var. *retifer* Santschi, 1929e: 153 (w.) MOROCCO.

Junior synonym of *exilis*: Baroni Urbani, 1971d: 1041; Bolton, 1995b: 243.

Junior synonym of *obscurior*: Cagniant & Espadaler, 1997: 272.

***risii*.** *Leptocephalus risii* Forel, 1892g: 456 (w.) SPAIN (Canary Is.).

Espadaler & Rodriguez, 1989: 141 (m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Emery, 1893c: 84; Santschi, 1909b: 470 (redescription); Emery, 1924d: 252; Wheeler, W.M. 1927g: 110; Wellenius, 1955: 10; Barquin Diez, 1981: 256; Hohmann, *et al.* 1993: 151; Báez & Ortega, 1978: 190; Bolton, 1995b: 243; Bolton, 2003: 271; Borowiec, L. 2014: 187.

**Senior synonym of *armouri*:** Hohmann, *et al.* 1993: 151; Bolton, 1995b: 243.

**Senior synonym of *elongatus*:** Hohmann, *et al.* 1993: 151; Bolton, 1995b: 243.

**Senior synonym of *globulinodis*:** Barquin Diez, 1981: 256; Hohmann, *et al.* 1993: 151; Bolton, 1995b: 243.

***rogeri*.** *Temnothorax rogeri* Emery, 1869b: 18 (footnote) (w.) GREECE.

André, 1883a: 309 (q.); Forel, 1886e: clxvi (q.).

Combination in *Leptocephalus* (*Temnothorax*): Forel, 1890a: lxxii;

combination in *Temnothorax*: Bolton, 2003: 271.

**Subspecies of *recedens*:** Emery & Forel, 1879: 459; Forel, 1886e: clxvi; Forel, 1892i: 315; Emery, in Dalla Torre, 1893: 126 (footnote); Ruzsky, 1905b: 609; Emery, 1914d: 158; Müller, 1921: 48; Müller, 1923b: 89; Karavaiev, 1927a: 293; Finzi, 1930d: 314; Zimmermann, 1935: 29.

Junior synonym of *recedens*: Dlussky & Soyunov, 1988: 31; Dlussky, Soyunov & Zabelin, 1990: 186; Arakelian, 1994: 59; Bolton, 1995b: 243; Gratiashvili & Barjadze, 2008: 143; Karaman, M.G. 2011b: 32; Legakis, 2011: 19; Radchenko, 2016: 226.

**Status as species:** André, 1883a: 308 (in key); Dalla Torre, 1893: 126; Ruzsky, 1902d: 25; Forel, 1913d: 433; Emery, 1924d: 260; Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 274 (in key); Collingwood, 1993b: 194; Poldi, *et al.* 1995: 4; Petrov, 2006: 96 (in key); Borowiec, L. & Salata, 2013: 374 (redescription); Borowiec, L. 2014: 187; Tohmé, G. & Tohmé, 2014: 136; Salata & Borowiec, 2015c: 139 (in key); Lebas, *et al.* 2016: 370; Salata & Borowiec, 2018c: 50.

***rosae*.** *Leptocephalus laurae* st. *rosae* Santschi, 1915a: 60, fig. 7(2) (w.) TUNISIA.

**Subspecies of *laurae*:** Emery, 1924d: 254; Bolton, 1995b: 243.

***rothneyi*.** *Leptocephalus rothneyi* Forel, 1902c: 230 (w.) INDIA (Uttarakhand, Madhya Pradesh).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Forel, 1903a: 698; Bingham, 1903: 217; Forel, 1906b: 88; Emery, 1924d: 257; Menozzi, 1939a: 308 (in key); Chapman & Capco, 1951: 110; Bolton, 1995b: 243; Bolton, 2003: 271; Bharti, Gul & Schulz, 2012: 335 (in key); Bharti, Guénard, *et al.* 2016: 45; Bharti, Gul & Sasi, 2016: 752 (in key).

***rottenbergii*.** *Macromischa rottenbergii* Emery, 1870: 199 (w.q.) ITALY (Sicily).

[Misspelled as *rottembergi* by Menozzi, 1933b: 68.]

Emery, 1895b: 69 (m.).

Combination in *Leptocephalus*: Emery, 1878b: 51;

combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Emery, 1878b: 51; Emery & Forel, 1879: 459; Emery, 1880: 392; André, 1881b: 72; André, 1883a: 296 (in key); Emery, 1884a: 379; Forel, 1890a: lxxv; Emery, 1891b: 5 (in key); Dalla Torre, 1893: 126; Forel, 1894d: 33; Emery, 1895b: 69; Forel, 1905b: 173; Santschi, 1909b: 472 (redescription); Forel, 1911d: 334; Emery, 1914d: 157; Emery, 1916b: 173; Müller, 1921: 48; Müller, 1923b: 89; Emery, 1924d: 252; Soudek, 1925b: 16; Kutter, 1927: 100; Menozzi, 1933b: 68 (in key); Zimmermann, 1935: 30; Finzi, 1939b: 88; Finzi, 1940: 161; Bernard, 1945: 133; Consani & Zangheri, 1952: 41; Bernard, 1956a: 162; Ceballos, 1956: 307; Baroni Urbani, 1964b: 45; Baroni Urbani, 1964c: 155; Bernard, 1967: 206 (redescription); Baroni Urbani, 1971c: 121; Collingwood, 1978: 83 (in key); Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 273 (in key); Hohmann, *et al.* 1993: 152; Bolton, 1995b: 243; Poldi, *et al.* 1995: 5; Bolton, 2003: 271; Bráčko, 2006: 142; Petrov, 2006: 95 (in key); Karaman, M.G. 2011b: 33; Legakis, 2011: 19; Borowiec, L. & Salata, 2012: 544; Borowiec, L. 2014: 187 (see note in bibliography); Lebas, *et al.* 2016: 372; Salata & Borowiec, 2018c: 50.

Current subspecies: nominal plus *ernesti*, *scabriosus*.

**rougeti.** *Leptothorax cordieri* var. *rougeti* Bondroit, 1918: 127 (w.) FRANCE.

**Subspecies of cordieri:** Emery, 1924d: 253; Bernard, 1967: 216.

**Subspecies of unifasciatus:** Bolton, 1995b: 243; Legakis, 2011: 19.

Junior synonym of *unifasciatus*: Casevitz-Weulersse & Galkowski, 2009: 497.

**Status as species:** Borowiec, L. & Salata, 2012: 544; Borowiec, L. 2014: 188.

\**rudis* Mayr, 1868 [*Macromischa*]; see under **MYRMICA**.

**rudis.** *Leptothorax nevadensis* subsp. *rudis* Wheeler, W.M. 1917a: 508 (w.q.) U.S.A. (California).

Combination in *L. (Myrafant)*: Smith, M.R. 1951a: 818;

combination in *Temnothorax*: Ward, 2005: 19.

**Subspecies of nevadensis:** Creighton, 1950a: 266; Smith, M.R. 1951a: 818; Cole, 1966: 17 (in key); Smith, D.R. 1979: 1393; Bolton, 1995b: 243.

Junior synonym of *nevadensis*: Mackay, 2000: 376.

**Status as species:** Ward, 2005: 19; Snelling, R.R. *et al.* 2014: 72.

**rufescens.** *Leptothorax flavigaster* var. *rufescens* Forel, 1907b: 206 (w.) TUNISIA.

As unavailable (infrasubspecific) name: Santschi, 1911a: 11; Emery, 1924d: 254; Santschi, 1939d: 75 (in key).

**Subspecies of flavigaster:** Bolton, 1995b: 243.

*ruficornis.* *Leptothorax tuberum* subsp. *ruficornis* Emery, 1914d: 157.

[First available use of *Leptothorax tuberum* subsp. *exilis* var. *ruficornis* Emery, 1898c: 135 (in text) (w.) FRANCE; unavailable (infrasubspecific) name.]

Junior synonym of *exilis*: Emery, 1914d: 157 (footnote); Emery, 1916b: 174; Emery, 1924d: 254; Baroni Urbani, 1971d: 1041; Bolton, 1995b: 243; Salata, Borowiec & Trichas, 2018: 778.

*rufithorax.* *Croesomyrmex iris* var. *rufithorax* Wheeler, W.M. 1931b: 24 (w.) CUBA.

Combination in *Macromischa (Croesomyrmex)*: Wheeler, W.M. 1937b: 465.

Subspecies of *iris*: Wheeler, W.M. 1937b: 465; Kempf, 1972a: 137; Alayo, 1974: 36.

Junior synonym of *iris*: Baroni Urbani, 1978b: 454; Brandão, 1991: 352; Bolton, 1995b: 244.

**rufus.** *Temnothorax rufus* Prebus, 2015: 49, figs. 2b, 2d, 4c, 12 (w.) KENYA.

**rugatulus.** *Leptothorax (Leptothorax) rugatulus* Emery, 1895c: 321 (w.) U.S.A. (South Dakota, Colorado).

Taber & Cokendolpher, 1988: 95 (k.).

Combination in *L. (Myrafant)*: Smith, M.R. 1950: 30;

combination in *Temnothorax*: Bolton, 2003: 272.

**Subspecies of curvispinosus:** Wheeler, W.M. 1903c: 241; Wheeler, W.M. 1910g: 567; Cole, 1936a: 36.

**Status as species:** Wheeler, W.M. 1917a: 509; Emery, 1924d: 259; Cole, 1942: 369; Wheeler, G.C. & Wheeler, E.W. 1944: 247; Creighton, 1950a: 267; Smith, M.R. 1951a: 819; Cole, 1953d: 28; Cole, 1954d: 240; Smith, M.R. 1958c: 132; Smith, M.R. 1967: 359; Hunt & Snelling, 1975: 22; Yensen, *et al.* 1977: 183; Wheeler, G.C. & Wheeler, J. 1978: 392; Smith, D.R. 1979: 1394; Allred, 1982: 485; Wheeler, G.C. & Wheeler, J. 1986g: 53; Mackay, Lowrie, *et al.* 1988: 90; Blacker, 1992: 7; Bolton, 1995b: 244; Mackay, 2000: 394 (redescription); Mackay & Mackay, 2002: 136; Bolton, 2003: 272; Ward, 2005: 68; Snelling, R.R. *et al.* 2014: 72.

**Senior synonym of annectens:** Creighton, 1950a: 269; Smith, M.R. 1958c: 132; Smith, D.R. 1979: 1394; Bolton, 1995b: 244; Mackay, 2000: 394; Snelling, R.R. *et al.* 2014: 72.

**Senior synonym of brunnescens:** Mackay, 2000: 394; Snelling, R.R. *et al.* 2014: 73.

**Senior synonym of cockerelli:** Creighton, 1950a: 269; Smith, M.R. 1958c: 132; Smith, D.R. 1979: 1394; Bolton, 1995b: 244; Mackay, 2000: 394; Snelling, R.R. *et al.* 2014: 72.

**Senior synonym of dakotensis:** Mackay, 2000: 394.

**Senior synonym of mediorufus:** Creighton, 1950a: 269; Smith, M.R. 1958c: 132; Smith, D.R. 1979: 1394; Bolton, 1995b: 244; Mackay, 2000: 394; Snelling, R.R. *et al.* 2014: 72.

*rugiceps*. *Macromischa (Croesomyrmex) poeyi* subsp. *rugiceps* Aguayo, 1932: 222 (w.) CUBA.

Combination in *Leptocephalus (Macromischa)*: Baroni Urbani, 1978b: 489.

Subspecies of *poeyi*: Wheeler, W.M. 1937b: 465; Kempf, 1972a: 138; Alayo, 1974: 36.

Status as species: Baroni Urbani, 1978b: 489 (redescription); Brandão, 1991: 352; Bolton, 1995b: 244.

Junior synonym of *poeyi*: Fontenla Rizo, 1997a: 52.

***ruginosus*.** *Temnothorax ruginosus* Zhou, *et al.* 2010: 18, figs. 13-15 (w.) CHINA (Hunan, Guizhou).

**Status as species:** Guénard & Dunn, 2012: 55.

***rugithorax*.** *Leptocephalus (Myrafant) rugithorax* Mackay, 2000: 397, figs. 22, 53, 158, 159 (w.) MEXICO (Hidalgo).

Combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Bolton, 2003: 272.

\**rugosostriata* Mayr, 1868 [*Macromischa*]; see under \****EOCENOMYRMA***.

***rugosus*.** *Leptocephalus (Myrafant) rugosus* Mackay, 2000: 399, figs. 18, 160 (w.) MEXICO (Nuevo León).

Combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Bolton, 2003: 272.

***rugulosus*.** *Leptocephalus (Myrafant) rugulosus* Mackay, 2000: 401, figs. 58, 60, 161, 162 (w.) MEXICO (Michoacan).

Combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Bolton, 2003: 272.

***rupestris*.** *Leptocephalus nigrita* var. *rupestris* Forel, 1909e: 377 (w.q.) ALGERIA.

**Subspecies of nigritus:** Emery, 1924d: 255; Cagniant, 1970a: 419; Bolton, 1995b: 244.

*russula*. *Myrmica russula* Nylander, 1856b: 82 (footnote) (w.q.) DOMINICAN REPUBLIC.

Status as species: Smith, F. 1858b: 132.

Junior synonym of *sallei*: Roger, 1862c: 293; Mayr, 1862: 742; Mayr, 1863: 435; Roger, 1863b: 29, 48; Dalla Torre, 1893: 119; Kempf, 1972a: 138; Baroni Urbani, 1978b: 489; Brandão, 1991: 352; Bolton, 1995b: 244.

*rusticus*. *Leptocephalus rusticus* Santschi, 1918a: 36, fig. D (w.) TUNISIA.

Status as species: Emery, 1924d: 255.

Junior synonym of *oraniensis*: Cagniant, 1970a: 419; Bolton, 1995b: 244.

*sachalinensis*. *Leptothorax tuberum* subsp. *sachalinensis* Kupyanskaya, 1990: 142 (w.q.) RUSSIA (Sakhalin Is).

Subspecies of *tuberum*: Bolton, 1995b: 244.

Junior synonym of *kaszabi*: Radchenko, 1995c: 19; Radchenko, 2004: 124; Radchenko, 2005b: 149.

*saharensis*. *Leptothorax nigrita* var. *saharensis* Santschi, 1929c: 102, fig. 4 (q.) ALGERIA.

[Also described as new by Santschi, 1934f: 170.]

Subspecies of *nigritus*: Bolton, 1995b: 244.

*salambo*. *Leptothorax nigrita* var. *salambo* Santschi, 1912f: 174 (w.) TUNISIA.

Subspecies of *nigritus*: Emery, 1924d: 255; Bolton, 1995b: 244.

*salina*. *Leptothorax tuberum* var. *salina* Karavaiev, 1937: 174, fig. 2 (w.) UKRAINE.

Subspecies of *tuberum*: Bolton, 1995b: 244.

Junior synonym of *unifasciatus*: Radchenko, 1995c: 15; Radchenko, 2016: 230.

*sallei*. *Myrmica sallaei* Guérin-Méneville, 1852: 73, pl. 3, figs. 1-4 (w.q.m.) HAITI.

Combination in *Myrmica*: Mayr, 1862: 742;

combination in *Pogonomyrmex*: Emery, in Dalla Torre, 1893: 119;

combination in *Macromischa*: Forel, 1899c: 57 (footnote);

combination in *Leptothorax* (*Macromischa*): Baroni Urbani, 1978b: 489;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species**: Roger, 1862c: 293; Mayr, 1862: 742; Roger, 1863b: 29, 48; Mayr, 1863: 435; Dalla Torre, 1893: 119; Forel, 1899c: 57 (footnote); Wheeler, W.M. 1905b: 127; Wheeler, W.M. 1908a: 141 (in key); Wheeler, W.M. & Mann, 1914: 31 (redescription); Mann, 1920: 409 (in key); Emery, 1924d: 247; Wheeler, W.M. 1937b: 464; Kempf, 1972a: 138; Baroni Urbani, 1978b: 489 (redescription); Brandão, 1991: 352; Bolton, 1995b: 244; Fontenla Rizo, 2001: 16 (in key); Bolton, 2003: 272; Lubertazzi, 2019: 189.

**Senior synonym of *haytiana***: Baroni Urbani, 1978b: 490; Brandão, 1991: 352; Bolton, 1995b: 244.

**Senior synonym of *opacina***: Baroni Urbani, 1978b: 490; Brandão, 1991: 352; Bolton, 1995b: 244.

**Senior synonym of *russula***: Roger, 1862c: 293; Mayr, 1862: 742; Mayr, 1863: 435; Roger, 1863b: 29; Dalla Torre, 1893: 119; Kempf, 1972a: 138; Baroni Urbani, 1978b: 489; Brandão, 1991: 352; Bolton, 1995b: 244.

*salvini*. *Macromischa salvini* Forel, 1899c: 57, pl. 3, fig. 18 (w.) PANAMA.

Combination in *Leptothorax* (*Macromischa*): Baroni Urbani, 1978b: 494;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species**: Wheeler, W.M. 1908a: 141 (in key); Mann, 1920: 410 (in key); Emery, 1924d: 247; Wheeler, W.M. 1937b: 464; Kempf, 1972a: 138; Baroni Urbani, 1978b: 494 (redescription); Brandão, 1991: 352; Bolton, 1995b: 244; Bolton, 2003: 272.

Current subspecies: nominal plus *obscurior* (unresolved junior homonym).

*santra*. *Leptothorax santra* Terayama & Onoyama, 1999: 92, figs. 27, 28 (w.) JAPAN.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species**: Bolton, 2003: 271; Imai, *et al.* 2003: 154.

*santschii*. *Leptothorax flavispinus* r. *santschii* Forel, 1905b: 173 (w.q.m.) TUNISIA.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Subspecies of *flavispinus***: Santschi, 1911a: 11; Karavaiev, 1912a: 3; Emery, 1924d: 254; Santschi, 1931a: 7; Santschi, 1939d: 75 (in key); Bernard, 1945: 134; Bolton, 1995b: 244.

**Status as species**: Cagniant & Espadaler, 1997: 276; Bolton, 2003: 271; Cagniant, 2006a: 198; Borowiec, L. 2014: 188.

**Senior synonym of *boiteli***: Cagniant & Espadaler, 1997: 276.

**Senior synonym of *facetus***: Cagniant & Espadaler, 1997: 276.

- sardous.** *Leptothonax rottenbergi* var. *sardoa* Santschi, 1909b: 474, fig. 6 (w.) ITALY (Sardinia). Bondroit, 1918: 134 (q.m.). Combination in *Temnothorax*: Bolton, 2003: 271.
- Subspecies of rottenbergi:** Krausse, 1912b: 162; Emery, 1914d: 157; Emery, 1916b: 173; Emery, 1924d: 252; Baroni Urbani, 1971c: 123.
- Status as species:** Bondroit, 1918: 134; Bolton, 1995b: 244; Poldi, *et al.* 1995: 5; Bolton, 2003: 271; Borowiec, L. 2014: 188; Lebas, *et al.* 2016: 372.
- satunini.** *Leptothonax satunini* Ruzsky, 1902b: 477 (w.) ARMENIA. Tarbinsky, 1976: 102 (q.). Combination in *Temnothorax*: Bolton, 2003: 271.
- Subspecies of bulgaricus:** Forel, 1904b: 375; Emery, 1924d: 253; Kuznetsov-Ugamsky, 1926a: 75; Kuznetsov-Ugamsky, 1927d: 40.
- Status as species:** Ruzsky, 1902d: 24; Ruzsky, 1905b: 575; Ruzsky, 1923: 4; Tarbinsky, 1976: 102 (redescription); Arnol'di, 1977a: 203; Dlussky, 1981a: 17; Arakelian, 1994: 57; Radchenko, 1994d: 151 (in key); Bolton, 1995b: 244; Radchenko, 1995a: 26; Bolton, 2003: 271; Schultz, R. *et al.* 2006: 206; Gratiashvili & Barjadze, 2008: 143; Borowiec, L. 2014: 188.
- saxatilis.** *Temnothorax saxatilis* Schulz, A. Heinze & Pusch, 2007: 12, figs. 12, 13, 23, 27, 32, 33 (w.q.) ITALY.
- Status as species:** Borowiec, L. 2014: 188; Lebas, *et al.* 2016: 376.
- saxonicus.** *Leptothonax sordidulus* subsp. *saxonicus* Seifert, 1995: 14, figs. 2, 7, 12, 14 (w.q.) GERMANY, CZECH REPUBLIC, SLOVAKIA, AUSTRIA, BULGARIA, SERBIA. Combination in *Temnothorax*: Seifert, 2006: 8.
- Subspecies of sordidulus:** Csösz, 2001: 102; Czechowski, *et al.* 2002: 52
- Junior synonym of *tergestinus*: Csösz, Heinze & Mikó, 2015: 57.
- Status as species:** Seifert, 2006: 8; Bračko, 2007: 18; Seifert, 2007: 241; Werner & Wiezik, 2007: 150; Casevitz-Weulersse & Galkowski, 2009: 496; Lapeva-Gjonova, *et al.* 2010: 24; Karaman, M.G. 2011b: 33; Borowiec, L. & Salata, 2012: 544; Czechowski, *et al.* 2012: 152; Borowiec, L. 2014: 188; Seifert, 2018: 218.
- scabripes.** *Macromischa (Macromischa) scabripes* Mann, 1920: 416, fig. 4 (w.) CUBA. Combination in *Leptothonax (Macromischa)*: Baroni Urbani, 1978b: 496.
- Status as species: Wheeler, W.M. 1937b: 464; Kempf, 1972a: 138; Alayo, 1974: 17 (in key); Baroni Urbani, 1978b: 496 (redescription); Brandão, 1991: 352; Fontenla Rizo, 1993: 6; Bolton, 1995b: 244.
- Junior synonym of *splendens*: Fontenla Rizo, 1997a: 52.
- scabiosus.** *Leptothonax rottenbergi* st. *scabiosus* Santschi, 1909b: 479 (w.) ALGERIA. [Misspelled in the same publication as *scabrosus*, and by Wellenius, 1955: 11.]
- Status as species:** Bernard, 1945: 133; Cagniant, 1964: 105; Wellenius, 1955: 11.
- Subspecies of annibalisi:** Cagniant, 1968a: 144; Cagniant, 1970a: 418.
- Subspecies of rottenbergii:** Santschi, 1918a: 33; Emery, 1924d: 252; Báez & Ortega, 1978: 190; Barquin Diez, 1981: 273; Hohmann, *et al.* 1993: 152; Bolton, 1995b: 244.
- scandens** Mann, 1922 [*Macromischa*]; see under **ROGERIA**.
- schaufussi.** *Aphaenogaster schaufussi* Forel, 1879b: 465 (w.) SPAIN (date of publication 1.ix.1897). [Aphaenogaster (?) *schaufussi* Emery & Forel, 1879: 463 (date of publication (28).ii.1897). *Nomen nudum* (attributed to Forel).]
- Espadaler, 1997d: 102 (q.m.). Combination in *Leptothonax*: Forel, 1890a: lxxii; combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** André, 1883b: 348; Dalla Torre, 1893: 126; Emery, 1924d: 255; Ceballos, 1956: 307; Collingwood, 1978: 83 (in key); Bolton, 1995b: 244; Espadaler, 1997b: 30; Espadaler, 1997d: 102 (redescription); Bolton, 2003: 271; Borowiec, L. 2014: 188; Galkowski & Lebas, 2016: 84 (in key).

**schaumii.** *Leptothorax schaumii* Roger, 1863a: 180 (w.) U.S.A. (Pennsylvania).

Mayr, 1886d: 451 (m.); Wesson, L.G. & Wesson, R.G. 1940: 95 (q.); Wheeler, G.C. & Wheeler, J. 1960b: 23 (l.).

Combination in *L. (Myrafant)*: Smith, M.R. 1951a: 819;  
combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Roger, 1863b: 26; Mayr, 1863: 460; Mayr, 1886d: 451 (in key); Cresson, 1887: 261; Dalla Torre, 1893: 127; Emery, 1895c: 320; Wheeler, W.M. 1903c: 232; Wheeler, W.M. 1905f: 385; Wheeler, W.M. 1910g: 566; Emery, 1924d: 259; Wesson, L.G. & Wesson, R.G. 1940: 94; Creighton, 1950a: 269; Smith, M.R. 1951a: 819; Smith, M.R. 1958c: 132; Carter, 1962a: 7 (in list); Smith, M.R. 1967: 359; Smith, D.R. 1979: 1394; DuBois & LaBerge, 1988: 139; Deyrup, *et al.* 1989: 97; Wheeler, G.C., *et al.* 1994: 303; Bolton, 1995b: 244; Mackay, 2000: 403 (redescription); Mackay & Mackay, 2002: 137; Bolton, 2003: 272; Deyrup, 2003: 45; Deyrup & Cover, 2004a: 56 (in key); Coovert, 2005: 74; MacGown & Forster, 2005: 72; Ellison, *et al.* 2012: 329; Deyrup, 2017: 147.

**Senior synonym of fortinodis:** Creighton, 1950a: 271; Smith, M.R. 1958c: 132; Smith, D.R. 1979: 1394; Bolton, 1995b: 244; Mackay, 2000: 403; Coovert, 2005: 74.

**Senior synonym of gilvus:** Creighton, 1950a: 271; Smith, M.R. 1958c: 132; Smith, D.R. 1979: 1394; Bolton, 1995b: 244; Mackay, 2000: 404; Coovert, 2005: 74.

**Senior synonym of melanoticus:** Creighton, 1950a: 271; Smith, M.R. 1958c: 132; Smith, D.R. 1979: 1394; Bolton, 1995b: 244; Mackay, 2000: 404; Coovert, 2005: 74.

**schmittii.** *Leptothorax schmittii* Wheeler, W.M. 1903c: 242, pl. 12, fig. 14 (w.) U.S.A. (Colorado).

Combination in *L. (Myrafant)*: Smith, M.R. 1951a: 819;  
combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Wheeler, W.M. 1910g: 567; Wheeler, W.M. 1917a: 507; Emery, 1924d: 258; Creighton, 1950a: 271; Smith, M.R. 1951a: 819; Smith, M.R. 1967: 359; Smith, D.R. 1979: 1395; Wheeler, G.C. & Wheeler, J. 1986g: 52 (in key); Bolton, 1995b: 244; Mackay, 2000: 405 (redescription); Bolton, 2003: 272.

**schoedli.** *Temnothorax schoedli* Seifert, 2006: 8, figs. 8-10 (w.q.) TURKEY.

**Status as species:** Kiran & Karaman, 2012: 26; Borowiec, L. 2014: 189; Csösz, Heinze & Mikó, 2015: 52 (redescription).

**schurri.** *Leptothorax rothneyi* r. *schurri* Forel, 1902c: 231 (w.) INDIA (Madhya Pradesh).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Subspecies of rothneyi:** Forel, 1903a: 698; Emery, 1924d: 257; Chapman & Capco, 1951: 110.

**Status as species:** Bingham, 1903: 218; Bolton, 1995b: 244; Bolton, 2003: 271; Bharti, Gul & Schulz, 2012: 334 (in key); Bharti, Guénard, *et al.* 2016: 45; Bharti, Gul & Sasi, 2016: 752 (in key).

**schwarzi.** *Macromischa (Macromischa) schwarzi* Mann, 1920: 415 (q.) CUBA.

Baroni Urbani, 1978b: 497 (w.).

Combination in *Leptothorax (Macromischa)*: Baroni Urbani, 1978b: 497;  
combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Wheeler, W.M. 1937b: 464; Kempf, 1972a: 138; Alayo, 1974: 16 (in key); Baroni Urbani, 1978b: 497 (redescription); Brandão, 1991: 353; Bolton, 1995b: 244; Bolton, 2003: 272.

**semenovi.** *Leptothorax semenovi* Ruzsky, 1903b: 311 (w.) TURKMENISTAN, KAZAKHSTAN.

Dlussky & Soyunov, 1988: 34 (q.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Ruzsky, 1905b: 605; Kuznetsov-Ugamsky, 1923: 254; Ruzsky, 1923: 4; Emery, 1924d: 255; Kuznetsov-Ugamsky, 1927d: 40; Arnol'di, 1971: 1824 (in key); Arnol'di & Dlussky, 1978: 540 (in key); Dlussky, 1981a: 17; Dlussky & Soyunov, 1988: 33 (redescription); Dlussky, Soyunov & Zabelin, 1990: 187; Bolton, 2003: 271; Borowiec, L. 2014: 189; Radchenko, 2016: 227.

***semiruber*.** *Leptothorax rottenbergi* var. *semiruber* André, 1881b: 72 (w.) ISRAEL.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Subspecies of *rottenbergii*:** André, 1883a: 296; Forel, 1889: 257; Forel, 1892i: 314; Dalla Torre, 1893: 126; Santschi, 1909b: 475 (redescription); Santschi, 1921a: 111; Emery, 1924d: 252; Menozzi, 1933b: 68 (in key); Menozzi, 1936d: 285.

**Status as species:** Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 273 (in key); Kugler, J. 1988: 257; Atanassov & Dlussky, 1992: 141; Collingwood, 1993b: 194; Bolton, 1995b: 244; Bolton, 2003: 271; Petrov, 2006: 96 (in key); Vonshak, *et al.* 2009: 45; Lapeva-Gjonova, *et al.* 2010: 24; Legakis, 2011: 19; Borowiec, L. & Salata, 2012: 544; Kiran & Karaman, 2012: 26; Borowiec, L. & Salata, 2013: 381; Borowiec, L. 2014: 189; Bračko, *et al.* 2014: 16; Tohmé, G. & Tohmé, 2014: 136; Lebas, *et al.* 2016: 372; Salata, Borowiec & Trichas, 2018: 796 (redescription); Salata & Borowiec, 2018c: 50.

**Senior synonym of *balcanica*:** Agosti & Collingwood, 1987a: 56; Bolton, 1995b: 244; Legakis, 2011: 17; Salata, Borowiec & Trichas, 2018: 796.

**Senior synonym of *jesus*:** Salata, Borowiec & Trichas, 2018: 796.

Material of the unavailable name *galatica* referred here by Salata, Borowiec & Trichas, 2018: 796.

***senectutis*.** *Leptothorax (Macromischa) senectutis* Baroni Urbani, 1978b: 499, figs. 24, 121 (w.) CUBA.

Combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Brandão, 1991: 350; Bolton, 1995b: 244; Fontenla Rizo, 2001: 16 (in key); Bolton, 2003: 272.

***sentosus*.** *Temnothorax sentosus* Ward, *et al.* 2015: 75.

**Replacement name for *Leonomyrma spinosa*** Arnol'di, 1968: 1809. [Junior secondary homonym of *Leptothorax tuberum* r. *spinosa* Forel, 1909e: 377.]

***sergensis*.** *Leptothorax rusticus* var. *sergensis* Santschi, 1929e: 154 (w.q.) TUNISIA.

Subspecies of *oraniensis*: Bolton, 1995b: 244.

Junior synonym of *oraniensis*: Cagniant & Espadaler, 1997: 269.

***sericeiventris*** Santschi, 1918 (unavailable name); see under **LEPTOTHORAX**.

***serviculus*.** *Leptothorax serviculus* Ruzsky, 1902b: 476 (w.) RUSSIA, KAZAKHSTAN.

Ruzsky, 1905b: 768 (q.); Radchenko, 1996c: 17 (m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Ruzsky, 1905b: 601; Emery, 1924d: 255; Ruzsky, 1925b: 45; Ruzsky, 1936: 96; Dlussky & Pisarski, 1970: 86; Arnol'di, 1971: 1825 (in key); Collingwood, 1976: 304; Arnol'di & Dlussky, 1978: 540 (in key); Collingwood, 1981: 27; Kupyanskaya, 1990: 140; Radchenko, 1994b: 111 (in key); Radchenko, 1994d: 148 (in key); Bolton, 1995b: 244; Radchenko, 1996c: 16; Bolton, 2003: 271; Lyu & Cho, 2003b: 273; Borowiec, L. 2014: 189.

***sevanensis*.** *Leptothorax sevanensis* Arnol'di, 1977a: 210 (w.q.) ARMENIA.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Arakelian, 1994: 58; Radchenko, 1994d: 156 (in key); Bolton, 1995b: 244; Radchenko, 1995c: 20; Bolton, 2003: 271; Borowiec, L. 2014: 189.

***shannxiensis*.** *Temnothorax shannxiensis* Zhou, *et al.* 2010: 20, figs. 16-18 (w.) CHINA (Shaanxi).

**Status as species:** Guénard & Dunn, 2012: 55.

*shelkovnikovi*. *Leptocephalus (Leptocephalus) shelkovnikovi* Karavaiev, 1926c: 166, fig. 4 (w.) ARMENIA.

Radchenko, 1995a: 27 (q.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Radchenko, 1994d: 153 (in key); Bolton, 1995b: 244; Radchenko, 1995a: 27; Bolton, 2003: 271; Borowiec, L. 2014: 189.

*siciliensis*. *Chalepoxenus siciliensis* Kutter, 1973d: 278, figs. 1, 3, 4, 6 (w.q.) ITALY (Sicily).

Status as species: Poldi, et al. 1995: 5.

Junior synonym of *mullerianus*: Buschinger, Erhardt, Fischer & Ofer, 1988: 398; Mei, 1992b: 152; Bolton, 1995b: 145; Salata, Borowiec & Trichas, 2018: 788.

*silvanus*. *Leptocephalus angustulus* subsp. *silvanus* Forel, 1907b: 206 (w.) ALGERIA.

**Subspecies of angustulus:** Emery, 1924d: 253; Bolton, 1995b: 244.

Junior synonym of *algiricus*: Cagniant & Espadaler, 1997: 278.

**Subspecies of atlantis:** Galkowski & Cagniant, 2017: 187.

*silvestrii*. *Tetramorium silvestrii* Santschi, 1911d: 6 (w.) U.S.A. (Arizona).

Creighton, 1953f: 5 (q.m.).

Combination in *Leptocephalus*: Santschi, 1922a: 68;

combination in *L. (Leptocephalus)*: Creighton, 1953f: 2;

combination in *L. (Myrafant)*: Smith, D.R. 1979: 1395;

combination in *Temnothorax*: Bolton, 2003: 272.

Unidentifiable taxon, *incertae sedis* in *Tetramorium*: Smith, M.R. 1951a: 833.

**Status as species:** Emery, 1924d: 258; Creighton, 1950a: 271; Creighton, 1953f: 2 (redescription); Smith, M.R. 1958c: 132; Hunt & Snelling, 1975: 22; Smith, D.R. 1979: 1395; Allred, 1982: 485; Bolton, 1995b: 244; Mackay, 2000: 407 (redescription); Mackay & Mackay, 2002: 138; Bolton, 2003: 272.

*silvestrii*. *Leptocephalus silvestrii* Menozzi, 1921: 27, fig. 1 (w.q.) ITALY.

[Junior secondary homonym of *Tetramorium silvestrii* Santschi, 1911d: 6.]

Status as species: Baroni Urbani, 1964c: 157.

**Replacement name:** *Leptocephalus minozzii* Santschi, 1922a: 68.

*simesno*. *Leptocephalus simesno* Espadaler, in Cagniant & Espadaler, 1997: 272, fig. 10 (w.q.m.) MOROCCO.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Bolton, 2003: 271; Cagniant, 2006a: 198; Borowiec, L. 2014: 189.

*similis*. *Leptocephalus (Macromischa) similis* Baroni Urbani, 1978b: 501.

Replacement name for *Macromischa affinis* Mann, 1920: 417. [Junior secondary homonym of *Leptocephalus affinis* Mayr, 1855: 442.]

Junior synonym of *laetus*: Snelling, R.R. 1986: 154; Brandão, 1991: 352; Bolton, 1995b: 244; Fontenla Rizo, 1997a: 51.

*similis*. *Temnothorax similis* Csösz, Heinze & Mikó, 2015: 23, figs. 11A-C (w.) TURKEY.

[Unresolved junior secondary homonym of *Leptocephalus similis* Baroni Urbani, 1978b: 501.]

*simlensis*. *Leptocephalus rothneyi* var. *simlensis* Forel, 1904c: 22 (w.) INDIA (Himachal Pradesh).

Bharti, Gul & Sasi, 2016: 750 (q.m.).

**Subspecies of rothneyi:** Forel, 1906b: 88; Emery, 1924d: 257; Menozzi, 1939a: 308 (in key); Bolton, 1995b: 244; Bharti, Gul & Schulz, 2012: 335 (in key); Bharti, Guénard, et al. 2016: 45.

**Status as species:** Bharti, Gul & Sasi, 2016: 749 (redescription).

*simpliciuscula*. *Myrmica simpliciuscula* Nylander, 1856b: 92, pl. 3, fig. 40 (w.) FRANCE.

Status as species: Smith, F. 1858b: 120.

Junior synonym of *interruptus*: Roger, 1859: 258; Mayr, 1861: 59; Roger, 1863b: 26; Mayr, 1863: 427; Dours, 1873: 168; André, 1874: 203 (in list); Forel, 1874: 102 (in list); Emery &

Forel, 1879: 459; Dalla Torre, 1893: 124; Donisthorpe, 1915d: 166; Emery, 1924d: 256; Donisthorpe, 1927b: 185; Bolton, 1995b: 244; Casevitz-Weulersse & Galkowski, 2009: 495; Radchenko, 2016: 232.

**singularis**. *Leptothorax singularis* Radchenko, 1994i: 29, fig. 5a-d (w.q.) TAJIKISTAN (date of publication 31.xii).1994).

[*Leptothorax singularis* Radchenko, 1994d: 150 (in key) (date of publication 21.vi.1994).

Unavailable name (published without designation of type-material).]

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species**: Bolton, 1995b: 244; Radchenko, 1995c: 21; Bolton, 2003: 271.

**skwarrae**. *Macromischa skwarrae* Wheeler, W.M. 1931b: 10 (w.q.) MEXICO (Morelos).

Combination in *Leptothorax* (*Macromischa*): Baroni Urbani, 1978b: 503;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species**: Wheeler, W.M. 1937b: 465; Kempf, 1972a: 138; Baroni Urbani, 1978b: 503 (redescription); Brandão, 1991: 353; Bolton, 1995b: 244; Bolton, 2003: 272.

**slavonicus**. *Leptothorax nylanderi* subsp. *slavonicus* Seifert, 1995: 4, figs. 5, 6, 10, 15, 17, 20 (w.q.) GERMANY, CZECH REPUBLIC, AUSTRIA, ITALY, SLOVENIA, BOSNIA, BULGARIA.

Status as species: Seifert, 1996b: 127, 229; Gallé, *et al.* 1998: 215.

Junior synonym of *crassispinus*: Radchenko, 2000: 44; Werner & Wiezik, 2007: 141; Csösz, *et al.* 2011: 57; Karaman, M.G. 2011b: 28; Czechowski, *et al.* 2012: 148; Csösz, Heinze & Mikó, 2015: 38; Radchenko, 2016: 220.

**smithi**. *Leptothorax smithi* Baroni Urbani, 1978b: 557.

**Replacement name for** *Leptothorax wheeleri* Smith, M.R. 1929: 547. [Junior secondary homonym of *Macromischa wheeleri* Mann, 1920: 422.]

Combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species**: Bolton, 1995b: 244; Mackay, 2000: 409 (redescription); Bolton, 2003: 272; Deyrup, 2003: 45; Deyrup & Cover, 2004a: 57 (in key); Covert, 2005: 75; MacGown & Forster, 2005: 72; Deyrup, 2017: 147.

**smyrnensis**. *Leptothorax bulgaricus* subsp. *smyrnensis* Forel, 1911d: 335 (w.q.) TURKEY.

Salata & Borowiec, 2018c: 32 (q.).

**Subspecies of bulgaricus**: Emery, 1924d: 253; Bolton, 1995b: 244; Kiran & Karaman, 2012: 25.

**Status as species**: Borowiec, L. & Salata, 2018: 8; Salata & Borowiec, 2018c: 32.

**solerii**. *Leptothorax* (*Temnothorax*) *solerii* Menozzi, 1936d: 291, fig. XIII, 2 (w.) GREECE (Scarpanto I.).

Salata & Borowiec, 2018c: 37 (q.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species**: Agosti & Collingwood, 1987a: 56; Bolton, 1995b: 244; Bolton, 2003: 271; Legakis, 2011: 19; Borowiec, L. & Salata, 2012: 545; Borowiec, L. 2014: 190; Salata & Borowiec, 2015c: 139 (in key); Lebas, *et al.* 2016: 370; Salata & Borowiec, 2018c: 36.

**solidinodus**. *Temnothorax solidinodus* Prebus, 2015: 52, fig. 13 (w.) KENYA.

**sordidulus**. *Leptothorax sordidulus* Müller, 1923a: 70 (w.) ITALY.

[Also described as new by Müller, 1923b: 96.]

Novák, in Kratochvíl, *et al.* 1944: 118 (m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species**: Soudek, 1925b: 14; Finzi, 1928b: 129; Zimmermann, 1935: 34; Novák, in Novák & Sadil, 1941: 90 (in key); Novák, in Kratochvíl, *et al.* 1944: 118; Baroni Urbani, 1971c: 123; Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 274 (in key); Schulz, A. 1991: 121; Bolton, 1995b: 244; Poldi, *et al.* 1995: 5; Seifert, 1995: 14; Czechowski, *et al.* 2002: 52; Bolton, 2003: 271; Bračko, 2006: 142; Petrov, 2006: 96 (in

key); Seifert, 2006: 8; Bračko, 2007: 19; Seifert, 2007: 241; Werner & Wiezik, 2007: 150; Lapeva-Gjonova, *et al.* 2010: 25; Csösz, *et al.* 2011: 57; Karaman, M.G. 2011b: 33; Borowiec, L. & Salata, 2012: 545; Kiran & Karaman, 2012: 26; Borowiec, L. 2014: 190; Csösz, Heinze & Mikó, 2015: 55 (redescription); Lebas, *et al.* 2016: 374; Salata & Borowiec, 2018c: 50; Seifert, 2018: 217.

**Senior synonym of *carinthiacus*:** Schulz, A. 1991: 121; Bolton, 1995b: 244; Seifert, 1995: 1 (in text); Seifert, 2006: 8; Karaman, M.G. 2011b: 33; Csösz, Heinze & Mikó, 2015: 55.

**Senior synonym of *mulleri*:** Bolton, 1995b: 244; Seifert, 2006: 8.

*sordidus*, Santschi, 1926f, misspelling, see under *mulleri*.

*specularis*. *Leptothorax exilis* var. *specularis* Emery, 1916b: 174.

[First available use of *Leptothorax tuberum* subsp. *exilis* var. *specularis* Emery, 1898c: 135 (w.) ITALY; unavailable (infrasubspecific) name.]

Santschi, 1923a: 135 (m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

As unavailable (infrasubspecific) name: Emery, 1914d: 157 (footnote); Emery, 1915a: 249.

Subspecies of *exilis*: Bondroit, 1918: 138; Menozzi, 1921: 27; Santschi, 1923a: 135; Emery, 1924c: 166; Emery, 1924d: 254; Menozzi, 1940: 269; Ceballos, 1956: 306; Baroni Urbani, 1971c: 108; Poldi, *et al.* 1995: 5.

Status as species: Collingwood, 1978: 70, 84 (in key); Agosti & Collingwood, 1987b: 275 (in key); Bolton, 1995b: 244; Espadaler, 1997b: 30; Bolton, 2003: 271; Petrov, 2006: 98 (in key); Casevitz-Weulersse & Galkowski, 2009: 496; Borowiec, L. & Salata, 2012: 545; Borowiec, L. 2014: 190; Lebas, *et al.* 2016: 350.

Junior synonym of *exilis*: Baroni Urbani, 1971d: 1041; Salata, Borowiec & Trichas, 2018: 778.

*spinosior*. *Leptothorax congruus* var. *spinosior* Forel, 1901e: 371 (w.) JAPAN.

Wheeler, W.M. 1906c: 317 (q.); Imai, 1966: 119 (k.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Subspecies of *congruus*:** Wheeler, W.M. 1906c: 317; Yano, 1910: 420; Emery, 1924d: 253; Kono & Sugihara, 1939: 12; Teranishi, 1940: 15; Morisita, 1945: 22; Chapman & Capco, 1951: 110; Onoyama, 1980: 197.

**Status as species:** Azuma, 1950: 35; Azuma, 1951: 87; Azuma, 1953: 3; Azuma, 1977: 114; Terayama & Satoh, 1990b: 532; Ogata, 1991b: 96; Morisita, *et al.* 1992: 29; Bolton, 1995b: 245; Wu, J. & Wang, 1995: 109; Radchenko, 1996c: 16; Terayama & Onoyama, 1999: 93 (redescription); Zhou, 2001b: 137; Bolton, 2003: 271; Imai, *et al.* 2003: 156; Lyu & Cho, 2003b: 274; Radchenko, 2004: 128; Zhou, *et al.* 2010: 12 (in key); Guénard & Dunn, 2012: 55.

*spinosus*. *Leptothorax tuberum* r. *spinosus* Forel, 1909e: 377.

[First available use of *Leptothorax tuberum* r. *unifasciatus* var. *spinosus* Forel, 1894d: 38 (w.) ALGERIA; unavailable (infrasubspecific) name.]

Cagniant, 1970b: 203 (q.m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

As unavailable (infrasubspecific) name: Santschi, 1907: 333.

**Subspecies of *tuberum*:** Santschi, 1910b: 64; Emery, 1924d: 257.

**Status as species:** Cagniant, 1968a: 144; Cagniant, 1970a: 428; Cagniant, 1970b: 201 (redescription); Cagniant, 1987c: 249; Buschinger, Erhardt, Fischer & Ofer, 1988: 395; Bolton, 1995b: 245; Cagniant & Espadaler, 1997: 276; Bolton, 2003: 271; Cagniant, 2006a: 198; Borowiec, L. 2014: 190.

**Senior synonym of *maurus*:** Cagniant, 1970b: 208.

*spinosis* Smith, M.R. 1929 (unavailable name); see under **LEPTOTHORAX**.

*spinosis*. *Leonomyrma spinosa* Arnol'di, 1968: 1809, figs. 9, 10 (q.m.) KAZAKHSTAN.

[Junior secondary homonym of *spinosus* Forel, 1909e: 377.]

Combination in *Chalepoxenus*: Buschinger, 1987: 121.

Status as species: Arnol'di & Dlussky, 1978: 544 (in key); Buschinger, 1987: 118; Radchenko, 1989a: 41; Bolton, 1995b: 145.

**Replacement name:** *Temnothorax sentosus* Ward, et al. 2015: 75.

**splendens.** *Macromischa splendens* Wheeler, W.M. 1905b: 98, pl. 7, fig. 9 (w.q.m.) BAHAMAS (New Providence I.).

Combination in *Leptothorax* (*Macromischa*): Baroni Urbani, 1978b: 505; combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Wheeler, W.M. 1908a: 142 (in key); Mann, 1920: 410 (in key); Emery, 1924d: 247; Wheeler, W.M. 1937b: 465; Kempf, 1972a: 138; Baroni Urbani, 1978b: 505 (redescription); Brandão, 1991: 353; Bolton, 1995b: 245; Fontenla Rizo, 1997a: 52; Fontenla Rizo, 2001: 17 (in key); Bolton, 2003: 272.

**Senior synonym of** *brunneipes*: Fontenla Rizo, 1997a: 52.

**Senior synonym of** *scabripes*: Fontenla Rizo, 1997a: 52.

**splendidiceps.** *Leptothorax* (*Myrafant*) *niger* subsp. *splendidiceps* Baroni Urbani, 1968b: 458, figs. 33-36 (w.q.l.) MALTA (Gozo I., Malta I.).

[Misspelled as *splendiceps* by Petrov, 2006: 98 (in key).]

Schembri & Collingwood, 1981: 433 (m.).

**Subspecies of** *laestrygon*: Baroni Urbani, 1971c: 112; Schembri & Collingwood, 1981: 433; Bolton, 1995b: 245.

**Status as species:** Agosti & Collingwood, 1987b: 275 (in key); Schembri & Collingwood, 1995: 156; Petrov, 2006: 98 (in key).

**squamifer.** *Macromischa squamifera* Roger, 1863a: 186 (w.) CUBA.

Baroni Urbani, 1978b: 509 (q.m.).

Combination in *Leptothorax* (*Macromischa*): Baroni Urbani, 1978b: 508; combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Roger, 1863b: 28; Mayr, 1863: 428; Dalla Torre, 1893: 120; Emery, 1896a: 103 (in list); Wheeler, W.M. 1905b: 127; Wheeler, W.M. 1908a: 142 (in key); Wheeler, W.M. 1913b: 487; Mann, 1920: 412; Emery, 1924d: 247; Wheeler, W.M. 1931b: 21; Wheeler, W.M. 1937b: 449, 465; Kempf, 1972a: 138; Alayo, 1974: 15 (in key); Baroni Urbani, 1978b: 508 (redescription); Brandão, 1991: 353; Bolton, 1995b: 245; Fontenla Rizo, 2001: 17 (in key); Bolton, 2003: 272.

**Senior synonym of** *atrinodis*: Wheeler, W.M. 1931b: 21; Baroni Urbani, 1978b: 508; Brandão, 1991: 353; Bolton, 1995b: 245.

**staegeri.** *Leptothorax unifasciatus* var. *staegeri* Bondroit, 1918: 131.

[First available use of *Leptothorax tuberum* r. *unifasciatus* var. *staegeri* Forel, 1917: 251 (w.q.m.) SWITZERLAND; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1924d: 257.

**Subspecies of** *unifasciatus*: Novák, in Novák & Sadil, 1941: 94 (in key); Bolton, 1995b: 245.

**steinbergi.** *Leptothorax steinbergi* Arnol'di, 1971: 1823, fig. 1(3,4) (w.) KAZAKHSTAN.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Radchenko, 1994d: 153 (in key); Bolton, 1995b: 245; Radchenko, 1995d: 5; Bolton, 2003: 271.

**stenotyle.** *Leptothorax stenotyle* Cole, 1956e: 214.

**Replacement name for** *Leptothorax* (*Leptothorax*) *angustinodus* Cole, 1956b: 28. [Junior primary homonym of *Leptothorax angustulus* var. *angustinode*: Stitz, 1917: 336.]

Combination in *L.* (*Myrafant*): Smith, D.R. 1979: 1395;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Smith, M.R. 1958c: 132; Smith, D.R. 1979: 1395; Bolton, 1995b: 245; Mackay, 2000: 410 (redescription); Mackay & Mackay, 2002: 139; Bolton, 2003: 272.  
*stipaceus*. *Leptothorax tuberum* subsp. *stipaceus* Ruzsky, 1905b: 586 (w.q.m.) RUSSIA, KAZAKHSTAN.

[Misspelled as *stipareus* by Ruzsky, 1946: 70.]

Subspecies of *tuberum*: Emery, 1924d: 257.

Status as species: Ruzsky, 1916: 8; Ruzsky, 1925b: 45; Ruzsky, 1936: 95; Ruzsky, 1946: 70; Arnol'di, 1971: 1825 (in key); Bolton, 1995b: 245.

Junior synonym of *tuberum*: Radchenko, 1995c: 14; Radchenko, 2016: 229.

*stitzi*. *Leptothorax cabrerae* var. *stitzi* Santschi, 1918a: 34.

Replacement name for *Leptothorax denticulatus* Stitz, 1917: 336. [Junior primary homonym of *Leptothorax denticulatus* Mayr, 1901b: 5.]

Subspecies of *cabrerae*: Emery, 1924d: 252; Wheeler, W.M. 1927g: 109; Wellenius, 1955: 9; Báez & Ortega, 1978: 189.

Junior synonym of *cabrerae*: Hohmann, *et al.* 1993: 149; Bolton, 1995b: 245.

*stollii*. *Leptothorax stollii* Forel, 1885a: 352 (w.m.) GUATEMALA.

Forel, 1899c: 54 (q.).

Combination in *L. (Myrafant)*: Kempf, 1972a: 132;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Dalla Torre, 1893: 127; Emery, 1896g: 59 (in key); Forel, 1899c: 54; Wheeler, W.M. 1903c: 222; Emery, 1924d: 258; Kempf, 1972a: 132; Bolton, 1995b: 245; Mackay, 2000: 411 (redescription); Bolton, 2003: 272; Branstetter & Sáenz, 2012: 262.

*striatulus*. *Leptothorax striatulus* Stitz, 1937: 133 (w.) MEXICO (Guerrero).

Combination in *L. (Myrafant)*: Kempf, 1972a: 132;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Kempf, 1972a: 132; Bolton, 1995b: 245; Mackay, 2000: 413 (redescription); Bolton, 2003: 272; Johnson, T. *et al.* 2006: 837 (redescription).

*striatus*. *Temnothorax striatus* Zhou, *et al.* 2010: 17, figs. 10-12 (w.) CHINA (Ningxia, Hubei, Henan).

**Status as species:** Guénard & Dunn, 2012: 55.

*strymonensis*. *Temnothorax strymonensis* Csösz, Salata & Borowiec, 2018: 112, figs. 6, 9, 12, 15, 20, 21, 26, 27, 30 (w.q.) BULGARIA, CROATIA, GREECE, TURKEY.

**Status as species:** Salata & Borowiec, 2018c: 50.

*stumperi*. *Epimyrma stumperi* Kutter, 1950b: 340, figs. 4-7 (m.) SWITZERLAND.

Combination in *Myrmoxenus*: Schulz, A. & Sanetra, 2002: 162;

combination in *Temnothorax*: Ward, *et al.* 2015: 75.

Kutter, 1951: 153 (w.q.).

**Status as species:** Kutter, 1951: 152; Stumper & Kutter, 1951: 983; Bernard, 1967: 220 (redescription); Kutter, 1968a: 60; Kutter, 1968b: 204; Kutter, 1973e: 285; Buschinger, 1989: 266; Mei, 1992b: 151; Schulz, A. 1994b: 437; Bolton, 1995b: 188; Poldi, *et al.* 1995: 5; Buschinger, 1997: 8; Schulz, A. & Sanetra, 2002: 162; Casevitz-Weulersse & Galkowski, 2009: 492; Kiran & Karaman, 2012: 23; Borowiec, L. 2014: 137; Lebas, *et al.* 2016: 329; Salata & Borowiec, 2018c: 47; Seifert, 2018: 221.

*subcingulatus*. *Leptothorax luteus* var. *subcingulata* Emery, 1924c: 166 (w.) SPAIN.

Menozzi, 1927b: 91 (q.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Subspecies of luteus:** Menozzi, 1927b: 90; Ceballos, 1956: 306; Plateaux & Cagniant, 2013: 432.

**Status as species:** Collingwood, 1978: 70; Bolton, 1995b: 245; Bolton, 2003: 271; Borowiec, L. 2014: 190; Lebas, *et al.* 2016: 360.

**subditivus.** *Macromischa subditiva* Wheeler, W.M. 1903b: 99, fig. 5 (w.) U.S.A. (Texas).

[Misspelled as *subdetiva* by Mann, 1920: 409 (in key).]

Wheeler, W.M. 1931b: 15 (q.); Smith, M.R. 1939e: 504 (m.).

Combination in *Leptothorax (Macromischa)*: Baroni Urbani, 1978b: 512; combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Wheeler, W.M. 1908a: 141 (in key); Wheeler, W.M. 1910g: 567; Mann, 1920: 409 (in key); Emery, 1924d: 247; Wheeler, W.M. 1931b: 15; Wheeler, W.M. 1937b: 465; Smith, M.R. 1939e: 503 (redescription); Creighton, 1950a: 252; Smith, M.R. 1951a: 816; Creighton, 1966a: 282; Smith, D.R. 1979: 1390; Baroni Urbani, 1978b: 512 (redescription); Brandão, 1991: 353; Bolton, 1995b: 245; Bolton, 2003: 272; Branstetter & Sáenz, 2012: 262; Fernández & Serna, 2019: 826.

**Senior synonym of *flavitarsis*:** Baroni Urbani, 1978b: 512; Brandão, 1991: 353; Bolton, 1995b: 245.

**Senior synonym of *laevissima*:** Baroni Urbani, 1978b: 512; Brandão, 1991: 353; Bolton, 1995b: 245.

**Senior synonym of *luciliae*:** Baroni Urbani, 1978b: 512; Brandão, 1991: 353; Bolton, 1995b: 245.

**suberis.** *Leptothorax (Temnothorax) recedens* var. *suberis* Forel, 1894d: 33 (w.) ALGERIA.

Cagniant & Espadaler, 1997: 268 (m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Subspecies of *recedens*:** Forel, 1895d: 228; Emery, 1924d: 260; Ceballos, 1956: 307.

Junior synonym of *recedens*: Collingwood, 1978: 69; Bolton, 1995b: 245.

**Status as species:** Cagniant & Espadaler, 1997: 268; Bolton, 2003: 271; Cagniant, 2006a: 198; Borowiec, L. 2014: 190.

**submuticus.** *Leptothorax submuticus* Emery, 1915a: 261 (w.q.) MOROCCO.

Status as species: Santschi, 1918a: 37; Emery, 1924d: 255; Bolton, 1995b: 245.

Junior synonym of *convexus*: Cagniant & Espadaler, 1997: 278.

**subnudus.** *Leptothorax nassonovi* var. *subnudus* Ruzsky, 1905b: 581 (w.) CHINA.

Junior synonym of *nassonovi*: Radchenko, 1995d: 9; Radchenko, 2004: 126; Radchenko, 2005b: 151; Radchenko, 2016: 224.

**subtilis.** *Temnothorax subtilis* Csösz, Heinze & Mikó, 2015: 26, figs. 12A-C (w.) TURKEY, GREECE (Crete I.).

**Status as species:** Salata, Borowiec & Trichas, 2018: 798; Salata & Borowiec, 2018c: 50.

**susamyri.** *Leptothorax (Leptothorax) susamyri* Dlussky, 1965b: 28 (w.) KYRGYZSTAN.

Tarbinsky, 1976: 90 (q.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Tarbinsky, 1976: 89 (redescription); Radchenko, 1994d: 150 (in key); Bolton, 1995b: 245; Radchenko, 1995d: 10; Bolton, 2003: 271; Schultz, R. et al. 2006: 206.

**suturalis** Santschi, 1921 (unavailable name); see under **LEPTOTHORAX**.

**suturalis.** *Temnothorax atlantis* subsp. *suturalis* Galkowski & Cagniant, 2017: 188 (w.) MOROCCO,

**taivanensis.** *Leptothorax taivanensis* Wheeler, W.M. 1929g: 54 (w.) TAIWAN.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Chapman & Capco, 1951: 111; Radchenko, 1994d: 148 (in key); Bolton, 1995b: 245; Radchenko, 1996c: 18; Bolton, 2003: 271; Lin & Wu, 2003: 64; Radchenko, 2004: 129; Terayama, 2009: 180; Zhou, et al. 2010: 11 (in key, and footnote); Guénard & Dunn, 2012: 55.

**talassicus.** *Leptothorax talassicus* Tarbinsky, 1976: 101, figs. 142-144 (w.) KYRGYZSTAN.

Junior synonym of *oxianus*: Radchenko, 1994d: 151 (in key); Bolton, 1995b: 245; Radchenko, 1995a: 27; Schultz, R. et al. 2006: 203.

*tamarae*. *Epimyrma tamarae* Arnol'di, 1968: 1811, fig. 11 (w.) GEORGIA.

Combination in *Myrmoxenus*: Schulz, A. & Sanetra, 2002: 162;

combination in *Temnothorax*: Ward, et al. 2015: 75.

**Status as species:** Kutter, 1973e: 289; Arnol'di & Dussky, 1978: 544 (in key); Buschinger, 1989: 266; Arakelian, 1994: 60; Schulz, A. 1994b: 432; Bolton, 1995b: 188; Buschinger, 1997: 8; Gratiashvili & Barjadze, 2008: 141; Borowiec, L. 2014: 138.

*tamarae*. *Leptothorax tamarae* Radchenko, 1994i: 23, fig. 1a,b (w.) GEORGIA (date of publication (31.xii).1994).

[*Leptothorax tamarae* Radchenko, 1994d: 150 (in key) (date of publication 21.vi.1994).

Unavailable name (proposed without designation of type-material).]

[**Junior secondary homonym** of *Epimyrma tamarae* Arnol'di, 1968: 1811.]

Combination in *Temnothorax*: Bolton, 2003: 271.

Status as species: Bolton, 1995b: 245; Radchenko, 1996c: 19; Bolton, 2003: 271; Gratiashvili & Barjadze, 2008: 143; Borowiec, L. 2014: 190.

**Replacement name:** *Temnothorax georgicus* Ward, et al. 2015: 75.

*tamriensis*. *Temnothorax tamriensis* Ajellar, et al. 2018: 97, figs. 1-3 (w.q.) MOROCCO.

*tarbinskii*. *Leonomyrma tarbinskii* Arnol'di, in Tarbinsky, 1976: 88 (footnote).

**Replacement name for** *Leptothorax longipilosus* Tarbinsky, 1976: 88. [Junior primary homonym of *Leptothorax longipilosus* Santschi, 1912f: 174.]

Combination in *Chalepoxenus*: Radchenko, 1989a: 40;

combination in *Temnothorax*: Ward, et al. 2015: 75.

**Status as species:** Radchenko, 1989a: 40 (as *longipilosus*); Bolton, 1995b: 145; Schultz, R. et al. 2006: 203; Guénard & Dunn, 2012: 41.

*tauricus*. *Leptothorax unifasciatus* var. *tauricus* Ruzsky, 1902d: 22 (w.) UKRAINE.

Karavaiev, 1927a: 292 (q.); Radchenko, 1995c: 16 (m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

As unavailable (infrasubspecific) name: Ruzsky, 1905b: 596; Emery, 1924d: 257; Karavaiev, 1927a: 291.

**Subspecies of unifasciatus:** Arnol'di, 1977a: 202; Arnol'di & Dlussky, 1978: 542 (in key).

**Status as species:** Radchenko, 1994d: 157 (in key); Bolton, 1995b: 245; Radchenko, 1995c: 16; Bolton, 2003: 271; Lapeva-Gjonova, et al. 2010: 25; Borowiec, L. 2014: 191; Radchenko, 2016: 226; Salata & Borowiec, 2018c: 50.

**Senior synonym of babuganicus:** Radchenko, 1995c: 16; Radchenko, 2016: 228.

**Senior synonym of pithyusae:** Radchenko, 1994d: 157 (in key); Bolton, 1995b: 245; Radchenko, 1995c: 16; Radchenko, 2016: 228.

*tauricus*. *Chalepoxenus tauricus* Radchenko, 1989a: 37, fig. 1a-g (w.q.) UKRAINE (Crimea).

[**Junior secondary homonym** of *Leptothorax unifasciatus* var. *tauricus* Ruzsky, 1902d: 22.]

Status as species: Bolton, 1995b: 145; Borowiec, L. 2014: 63; Radchenko, 2016: 206.

**Replacement name:** *Temnothorax inquilinus* Ward, et al. 2015: 75.

*tebessae*. *Leptothorax tuberum* r. *tebessae* Forel, 1890a: lxxiv (w.q.) ALGERIA.

Cagniant, 1970a: 424 (m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Subspecies of tuberum:** Emery, in Dalla Torre, 1893: 127 (footnote); Forel, 1894d: 38; Forel, 1905b: 173; Santschi, 1918a: 36.

**Subspecies of nylanderi:** Emery, 1924d: 255.

**Status as species:** Dalla Torre, 1893: 127; Santschi, 1923f: 330; Santschi, 1929e: 156; Cagniant, 1964: 105; Cagniant, 1966b: 279; Cagniant, 1968a: 144; Cagniant, 1970a: 423 (redescription); Cagniant, 1987c: 249; Bolton, 1995b: 245; Cagniant & Espadaler, 1997:

274 (redescription); Bolton, 2003: 271; Cagniant, 2006a: 198; Borowiec, L. 2014: 191 (see note in bibliography).

Current subspecies: nominal plus *gapsensis*.

*tellensis* Santschi, 1939 (unavailable name); see under **LEPTOTHORAX**.

*tembotovi*. *Temnothorax tembotovi* Radchenko & Yusupov, in Radchenko, Yusupov & Fedoseeva, 2015: 166, figs. 7-10 (w.) RUSSIA (Kabardino-Balkarian Republic).

*tenuisculptus*. *Leptocephalus (Macromischa) tenuisculptus* Baroni Urbani, 1978b: 517, figs. 59, 99 (w.) MEXICO (Veracruz).

Combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species**: Brandão, 1991: 351; Bolton, 1995b: 245; Bolton, 2003: 272.

*tenuispinus*. *Leptocephalus tenuispinus* Santschi, 1911i: 285 (q.) TUNISIA.

Combination in *L. (Temnothorax)*: Santschi, 1918a: 32;

combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species**: Santschi, 1912f: 175; Emery, 1924d: 260; Bolton, 1995b: 245; Bolton, 2003: 271; Borowiec, L. 2014: 191.

*tenuispinus* Santschi, 1939 (unavailable name); see under **LEPTOTHORAX**.

*tergestinus*. *Leptocephalus sordidulus* var. *tergestina* Finzi, 1928b: 129 (w.) ITALY.

**Subspecies of sordidulus**: Baroni Urbani, 1971c: 124; Bolton, 1995b: 245; Poldi, *et al.* 1995: 5.

Junior synonym of *sordidulus*: Seifert, 2006: 8.

**Status as species**: Csösz, Heinze & Mikó, 2015: 57 (redescription); Lebas, *et al.* 2016: 374; Salata & Borowiec, 2018c: 39.

*terricola*. *Macromischa (Antillaemyrmex) terricola* Mann, 1920: 423, fig. 7 (w.q.) CUBA.

Combination in *Antillaemyrmex*: Wheeler, W.M. 1931b: 32;

combination in *Leptocephalus (Macromischa)*: Baroni Urbani, 1978b: 518;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species**: Wheeler, W.M. 1937b: 465; Kempf, 1972a: 138; Alayo, 1974: 17 (in key); Baroni Urbani, 1978b: 518 (redescription); Brandão, 1991: 353; Bolton, 1995b: 245; Bolton, 2003: 272.

*terrigena*. *Leptocephalus terrigena* Wheeler, W.M. 1903c: 254, pl. 12, fig. 21 (w.q.) U.S.A. (Texas).

Combination in *L. (Myrafant)*: Smith, M.R. 1951a: 819;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species**: Wheeler, W.M. 1910g: 567; Emery, 1924d: 258; Creighton, 1950a: 272; Smith, M.R. 1951a: 819; Smith, D.R. 1979: 1395; Bolton, 1995b: 245; Mackay, 2000: 414 (redescription); Bolton, 2003: 272.

*tesquorum*. *Leptocephalus tesquorum* Arnol'di, 1977a: 201 (w.) RUSSIA.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species**: Arnol'di & Dlussky, 1978: 541 (in key); Radchenko, 1994d: 150 (in key); Bolton, 1995b: 245; Radchenko, 1996c: 18; Bolton, 2003: 271; Borowiec, L. 2014: 191.

**Senior synonym of elderensis**: Radchenko, 1994d: 150 (in key); Bolton, 1995b: 245; Radchenko, 1996c: 18.

*texanus*. *Leptocephalus texanus* Wheeler, W.M. 1903c: 245, pl. 12, fig. 16 (w.q.m.) U.S.A. (Texas).

Wheeler, G.C. & Wheeler, J. 1960b: 24 (l.).

Combination in *L. (Myrafant)*: Smith, M.R. 1950a: 30;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species**: Wheeler, W.M. 1910g: 567; Emery, 1924d: 258; Smith, M.R. 1932: 159; Wesson, L.G. & Wesson, R.G. 1940: 98; Creighton, 1950a: 272; Smith, M.R. 1951a: 819; Smith, M.R. 1952b: 102; Smith, M.R. 1958c: 133; Carter, 1962a: 7 (in list); Smith, M.R. 1967: 359; Hunt & Snelling, 1975: 22; Smith, D.R. 1979: 1395; Mackay, Lowrie, *et al.*

1988: 90; Wheeler, G.C., *et al.* 1994: 303; Bolton, 1995b: 245; Mackay, 2000: 415 (redescription); Mackay & Mackay, 2002: 139; Bolton, 2003: 272; Deyrup, 2003: 45; Deyrup & Cover, 2004a: 56; Covert, 2005: 76; MacGown & Forster, 2005: 72; Ellison, *et al.* 2012: 330; Deyrup, 2017: 148.

**Senior synonym of *davisi*:** Deyrup & Cover, 2004a: 56.

***theryi*:** *Leptocephalus theryi* Santschi, 1921b: 425, fig. 1 (w.) MOROCCO.

Cagniant & Espadaler, 1997: 273 (q.m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Bernard, 1945: 134; Bolton, 1995b: 245; Cagniant & Espadaler, 1997: 272; Bolton, 2003: 271; Cagniant, 2006a: 198; Borowiec, L. 2014: 191.

***tianpeng*:** *Temnothorax tianpeng* Terayama, 2009: 184, fig. 240 (w.q.) TAIWAN.

***tianschanicus*:** *Leptocephalus tianschanicus* Tarbinsky, 1976: 100, figs. 138-141 (w.) KYRGYZSTAN.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Radchenko, 1994d: 157 (in key); Bolton, 1995b: 245; Radchenko, 1995c: 20; Bolton, 2003: 271; Schultz, R. *et al.* 2006: 206.

***timida*:** *Leptocephalus convexus* var. *timida* Santschi, 1912c: 148 (w.m.) MOROCCO.

Subspecies of *convexus*: Emery, 1924d: 253; Bolton, 1995b: 245.

Junior synonym of *algiricus*: Cagniant & Espadaler, 1997: 278.

***tirolensis*:** *Leptocephalus tirolensis* Gredler, 1858: 26 (w.) AUSTRIA.

Subspecies of *tuberum*: André, 1874: 190 (in key); Emery & Forel, 1879: 459; Emery, in Dalla Torre, 1893: 127 (footnote).

Status as species: Mayr, 1861: 59 (in key); Roger, 1863b: 26; Mayr, 1863: 427; André, 1883a: 297 (in key); Dalla Torre, 1893: 127.

Junior synonym of *affinis*: Emery, 1914d: 158 (footnote); Emery, 1916b: 174; Emery, 1924d: 256; Bernard, 1967: 213; Bolton, 1995b: 245; Radchenko, 2016: 217.

***torrei*:** *Macromischa (Antillaemymex) torrei* Aguayo, 1931: 178 (w.) CUBA.

Combination in *Leptocephalus (Macromischa)*: Baroni Urbani, 1978b: 520; combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Wheeler, W.M. 1937b: 465; Kempf, 1972a: 138; Alayo, 1974: 16 (in key); Baroni Urbani, 1978b: 520 (redescription); Deyrup, *et al.* 1989: 97; Brandão, 1991: 353; Bolton, 1995b: 245; Bolton, 2003: 272; Deyrup, 2003: 45; Deyrup & Cover, 2004a: 56 (in key); Deyrup, 2017: 149.

***totonicapani*:** *Leptocephalus (Macromischa) totonicapani* Baroni Urbani, 1978b: 521, figs. 64, 102 (w.) GUATEMALA.

**Status as species:** Brandão, 1991: 351; Bolton, 1995b: 245; Bolton, 2003: 272; Branstetter & Sáenz, 2012: 262.

***tozae*:** Schmitz, 1950 (*nomen nudum*); see under **LEPTOTHORAX**.

Combination in *Temnothorax*: Bolton, 2003: 272.

***trabutii*:** *Leptocephalus angustulus* r. *trabutii* Forel, 1894d: 37 (w.) ALGERIA.

**Subspecies of *angustulus*:** Santschi, 1911a: 12; Santschi, 1918a: 35; Emery, 1924d: 253; Bernard, 1945: 134; Bolton, 1995b: 245.

**Subspecies of *algiricus*:** Cagniant & Espadaler, 1997: 278.

**Status as species:** Cagniant, 1968a: 144; Cagniant, 1970a: 421; Borowiec, L. 2014: 191 (error); Galkowski & Cagniant, 2017: 189.

**Senior synonym of *lindbergi*:** Cagniant & Espadaler, 1997: 278.

***tramieri*:** *Chalepoxenus tramieri* Cagniant, 1983: 319, figs. (w.q.) MOROCCO.

Combination in *Temnothorax*: Ward, *et al.* 2015: 75.

**Status as species:** Buschinger, Erhardt, Fischer & Ofer, 1988: 391; Bolton, 1995b: 145; Cagniant & Espadaler, 1997: 282; Cagniant, 2006a: 198; Borowiec, L. 2014: 63.

*transitoria* Santschi, 1909 (unavailable name); see under **LEPTOTHORAX**.

**triangularis.** *Temnothorax triangularis* Salata & Borowiec, 2019b: 121, figs. 16-24 (w.q.) GREECE (Euboea I.).

**tricarinatus.** *Leptothorax (Leptothorax) tricarinatus* Emery, 1895c: 321, pl. 8, fig. 14 (w.) U.S.A. (South Dakota).

Smith, M.R. 1952b: 99 (m.).

Combination in *L. (Myrafant)*: Smith, M.R. 1950: 30;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Wheeler, W.M. 1903c: 247; Wheeler, W.M. 1910g: 567; Wheeler, W.M. 1917a: 508; Emery, 1924d: 258; Buren, 1944a: 288; Creighton, 1950a: 273; Smith, M.R. 1951a: 819; Smith, M.R. 1952b: 98 (redescription); Smith, M.R. 1958c: 133; Smith, M.R. 1967: 359; Hunt & Snelling, 1975: 22; Yensen, *et al.* 1977: 183; Smith, D.R. 1979: 1395; Allred, 1982: 485; Wheeler, G.C. & Wheeler, J. 1986g: 54; Mackay, Lowrie, *et al.* 1988: 90; Bolton, 1995b: 245; Mackay, 2000: 417 (redescription); Mackay & Mackay, 2002: 140; Bolton, 2003: 272.

**tricolor.** *Leptothorax tricolor* Santschi, 1925g: 346 (w.) MOROCCO.

Combination in *Temnothorax*: Cagniant, 1964: 104;

combination in *Leptothorax*: Bolton, 1995b: 245;

combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Bolton, 1995b: 245; Bolton, 2003: 271; Borowiec, L. 2014: 191.

**tristis.** *Leptothorax tristis* Bondroit, 1918: 129, fig. 62 (w.) FRANCE.

Combination in *Temnothorax*: Bolton, 2003: 271.

As unavailable (infrasubspecific) name: Menozzi, 1925d: 28.

Status as species: Emery, 1924d: 256; Bernard, 1967: 216 (redescription); Collingwood & Yarrow, 1969: 72; Baroni Urbani, 1971c: 124; Collingwood, 1978: 85 (in key); Agosti & Collingwood, 1987b: 275 (in key); Casevitz-Weulersse, 1990c: 418 (in key); Bolton, 1995b: 245; Poldi, *et al.* 1995: 5; Espadaler, 1997b: 30; Bolton, 2003: 271; Petrov, 2006: 97 (in key); Casevitz-Weulersse & Galkowski, 2009: 496; Borowiec, L. 2014: 192.

Junior synonym of *luteus*: Seifert, *et al.* 2014: 51.

**tristis.** *Croesomyrmex iris* var. *tristis* Wheeler, W.M. 1931b: 25 (w.) CUBA.

[Unresolved junior secondary homonym of *Leptothorax tristis* Bondroit, 1918: 129 (Bolton, 1995b: 246).]

Combination in *Macromischa (Croesomyrmex)*: Wheeler, W.M. 1937b: 465.

Subspecies of *iris*: Wheeler, W.M. 1937b: 465; Kempf, 1972a: 137; Alayo, 1974: 36.

Junior synonym of *iris*: Baroni Urbani, 1978b: 454; Brandão, 1991: 352; Bolton, 1995b: 246.

**tuberoaffinis.** *Leptothorax tuberoaffinis* Bondroit, 1918: 131.

[First available use of *Leptothorax tuberum* r. *affinis* var. *tuberoaffinis* Forel, 1915d: 23 (in key) (w.q.) SWITZERLAND; unavailable (infrasubspecific) name.]

[*Leptothorax tuberum* var. *tuberoaffinis* Forel, 1874: 86, Dalla Torre, 1893: 128. *Nomina nuda*.]

[Misspelled as *tuburoaffinis* by Novák, in Novák & Sadil, 1941: 92 (in key).]

As unavailable (infrasubspecific) name: Emery, 1924d: 256; Stärcke, 1926: 94 (in key).

Subspecies of *affinis*: Stitz, 1939: 174; Novák, in Novák & Sadil, 1941: 92 (in key); Bolton, 1995b: 246 (error).

Junior synonym of *affinis*: Kutter, 1977c: 14; Radchenko, 2016: 217 (error).

Junior synonym of *interruptus*: Plateaux & Cagniant, 2013: 428.

**tuberointerruptus.** *Leptothorax tuberointerruptus* Bondroit, 1918: 126.

[First available use of *Leptothorax tuberum* r. *interruptus* var. *tuberointerruptus* Forel, 1915d: 24 (in key) (w.q.) SWITZERLAND; unavailable (infrasubspecific) name.]

[*Leptothorax tuberum* var. *tuberointerruptus* Forel, 1874: 86; André, 1883a: 300. *Nomina nuda.*]

As unavailable (infrasubspecific) name: Emery & Forel, 1879: 459; Emery, 1924d: 257.

Subspecies of *tuberum*: Stärcke, 1926: 95 (in key).

Subspecies of *interruptus*: Novák, in Novák & Sadil, 1941: 93 (in key); Bolton, 1995b: 246.

Status as species: Betrem, 1926: 217; Douwes & Stille, 1991: 173; Seifert, 1994: 22; Espadaler, 1997b: 30.

Junior synonym of *albipennis*: Orledge, 1998: 31; Czechowski, *et al.* 2002: 46; Casevitz-Weulersse & Galkowski, 2009: 494; Radchenko, 2016: 218.

*tuberonigriceps*. *Leptothorax tuberum* var. *tuberonigriceps* Forel, 1874: 88, 95 (w.q.m.) SWITZERLAND.

As unavailable (infrasubspecific) name: Emery, 1924d: 256.

Subspecies of *tuberum*: Dalla Torre, 1893: 128; Bolton, 1995b: 246.

Junior synonym of *nigriceps*: Plateaux & Cagniant, 2013: 429.

*tuberosa*. *Formica tuberosa* Latreille, 1802c: 259 (w.q.) FRANCE.

[Incorrect subsequent spelling of *tuberum* Fabricius, 1775: 393.]

Combination in *Myrmica*: Latreille, 1809: 131.

Status as species: Walckenaer, 1802: 166; Smith, F. 1858b: 119.

Junior synonym of *tuberum*: Stephens, 1829: 356; Lepeletier de Saint-Fargeau, 1835: 183; Nylander, 1846a: 939; Smith, F. 1851: 4; Dalla Torre, 1893: 127; Ruzsky, 1905b: 582; Donisthorpe, 1915d: 162; Emery, 1924d: 256; Bolton, 1995b: 246; Radchenko, 1995c: 14; Radchenko, 2016: 229.

[Note: although treated by many authors as a junior synonym it seems most probable that *tuberosa* is really just a misspelling.]

*tuberum*. *Formica tuberum* Fabricius, 1775: 393 (w.) SWEDEN.

[Misspelled as *tuberosa* by Latreille, 1802c: 259, Latreille, 1809: 131.]

Latreille, 1798: 47 (q.); Lepeletier de Saint-Fargeau, 1835: 183 (q.m.); Nylander, 1846a: 939 (q.m.); Adlerz, 1886: 82 (gynandromorph); Hauschteck, 1962: 219 (k.).

Combination in *Manica*: Jurine, 1807: 279;

combination in *Myrmica*: Latreille, 1809: 131;

combination in *Leptothorax*: Mayr, 1855: 442;

combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Fabricius, 1782: 492; Fabricius, 1787: 309; Gmelin, 1790: 2801; Christ, 1791: 505; Olivier, 1792: 497; Fabricius, 1793: 358; Latreille, 1798: 47; Fabricius, 1804: 407; Jurine, 1807: 279; Latreille, 1809: 131; Billberg, 1820: 104; Stephens, 1829: 356; Lepeletier de Saint-Fargeau, 1835: 183; Zetterstedt, 1838: 452; Nylander, 1846a: 939; Smith, F. 1851: 4; Schenck, 1852: 131; Curtis, 1854: 216; Mayr, 1855: 442 (redescription); Nylander, 1856b: 91; Gredler, 1858: 27; Smith, F. 1858b: 119; Mayr, 1861: 59 (in key); Roger, 1863b: 26; Mayr, 1863: 427; Dours, 1873: 168; Forel, 1874: 84 (in key); André, 1874: 191 (in key); Emery & Forel, 1879: 458; Provancher, 1881b: 359; Provancher, 1883: 602; André, 1883a: 298 (in key); Forel, 1886e: clxviii; Cresson, 1887: 261; Nasonov, 1889: 31; Emery, 1891b: 5 (in key); Forel, 1892i: 314; Lameere, 1892: 68; Dalla Torre, 1893: 127; Ruzsky, 1896: 72; Saunders, E. 1896: 37; Ruzsky, 1902d: 21; Ruzsky, 1905b: 582; Viehmeyer, 1906: 68; Wasmann, 1906: 119 (in key); Bondroit, 1910: 496; Santschi, 1910e: 649; Karavaiev, 1912b: 581; Krausse, 1912b: 162; Stitz, 1914: 62; Crawley, 1914a: 91 (in key); Emery, 1914d: 157; Emery, 1914e: 2; Forel, 1915d: 22 (in key); Donisthorpe, 1915d: 162; Karavaiev, 1916: 499; Emery, 1916b: 174; Escherich, 1917: 328 (in key); Menozzi, 1918: 85; Nadig, 1918: 339; Santschi, 1919e: 242; Soudek, 1922: 51; Finzi, 1924a: 13; Emery, 1924d: 256; Santschi, 1926f: 287; Stärcke, 1926: 94 (in key); Donisthorpe, 1927b: 181; Karavaiev, 1927a: 291; Karavaiev, 1927c: 266 (in key); Kutter, 1927: 100; Menozzi,

1927b: 91; Kuznetsov-Ugamsky, 1929b: 43; Finzi, 1930d: 314; Karavaiev, 1930b: 146; Karavaiev, 1931e: 212; Gösswald, 1932: 87; Arnol'di, 1933b: 599 (in key); Karavaiev, 1934: 139; Novák, in Novák & Sadil, 1941: 92 (in key); Holgersen, 1943b: 172 (in key); Holgersen, 1944: 170; Novák, in Kratochvíl, *et al.* 1944: 120; Ruzsky, 1946: 70; Arnol'di, 1948: 211 (in list); Schmitz, 1950: 15; Ceballos, 1956: 307; Collingwood, 1962: 218; Baroni Urbani, 1964c: 157; Kutter, 1968a: 60; Collingwood & Yarrow, 1969: 71; Arnol'di, 1971: 1825 (in key); Baroni Urbani, 1971c: 124; Collingwood, 1971: 161; Bolton & Collingwood, 1975: 5 (in key); Pisarski, 1975: 21; Arnol'di, 1977a: 204; Tarbinsky, 1976: 96 (redescription); van Boven, 1977: 106; Kutter, 1977c: 134; Arnol'di & Dlussky, 1978: 543 (in key); Collingwood, 1978: 85 (in key); Collingwood, 1979: 75; Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 276 (in key); Nilsson & Douwes, 1987: 60; Casevitz-Weulersse, 1990c: 418 (in key); Douwes & Stille, 1991: 173; Atanassov & Dlussky, 1992: 142; Arakelian, 1994: 58; Radchenko, 1994d: 157 (in key); Bolton, 1995b: 246; Douwes, 1995: 90; Poldi, *et al.* 1995: 5; Radchenko, 1995c: 14; Espadaler, 1997b: 30; Collingwood & Prince, 1998: 16 (in key); Gallé, *et al.* 1998: 215; Orledge, 1998: 25; Czechowski, *et al.* 2002: 44; Markó & Csösz, 2002: 114; Bolton, 2003: 271; Bračko, 2006: 142; Markó, Sipos, *et al.* 2006: 70; Petrov, 2006: 98 (in key); Schultz, R. *et al.* 2006: 203; Bračko, 2007: 19; Seifert, 2007: 234; Werner & Wiezik, 2007: 141; Zryanin & Zryanina, 2007: 231; Gratiashvili & Barjadze, 2008: 143; Casevitz-Weulersse & Galkowski, 2009: 496; Lapeva-Gjonova, *et al.* 2010: 25; Boer, 2010: 52; Csösz, *et al.* 2011: 57; Karaman, M.G. 2011b: 34; Legakis, 2011: 19; Borowiec, L. & Salata, 2012: 546; Czechowski, *et al.* 2012: 139; Kiran & Karaman, 2012: 26; Salata & Borowiec, 2013: 407; Borowiec, L. 2014: 192; Lebas, *et al.* 2016: 376; Radchenko, 2016: 229; Seifert, 2018: 209.

**Senior synonym of acutinodis:** Arakelian, 1994: 58; Bolton, 1995b: 246; Radchenko, 1995c: 15; Radchenko, 2016: 229.

**Senior synonym of alaicus:** Radchenko, 1995c: 14; Schultz, R. *et al.* 2006: 203; Radchenko, 2016: 229.

**Senior synonym of ciscaucasicus:** Radchenko, 1995c: 15; Radchenko, 2016: 229.

**Senior synonym of curvithorax:** Casevitz-Weulersse & Galkowski, 2009: 496.

**Senior synonym of nigricephalus:** Collingwood, 1971: 161; Radchenko, 1995c: 14; Radchenko, 2016: 229.

**Senior synonym of pratostepposus:** Radchenko, 1994d: 157 (in key); Bolton, 1995b: 246; Radchenko, 1995c: 14; Radchenko, 2016: 229.

**Senior synonym of pyrenaeus:** Casevitz-Weulersse, 1990c: 436; Casevitz-Weulersse & Galkowski, 2009: 496.

**Senior synonym of stipaceus:** Radchenko, 1995c: 14; Radchenko, 2016: 229.

**Senior synonym of tuberosa:** Stephens, 1829: 356; Lepeletier de Saint-Fargeau, 1835: 183; Nylander, 1846a: 939; Smith, F. 1851: 4; Dalla Torre, 1893: 127; Ruzsky, 1905b: 582; Donisthorpe, 1915d: 162; Emery, 1924d: 256; Bolton, 1995b: 246; Radchenko, 1995c: 14; Casevitz-Weulersse & Galkowski, 2009: 496; Radchenko, 2016: 229.

Material of the *nomen nudum nigroscutellata* referred here by Emery, 1914e: 2; Bolton, 1995b: 246.

**tuneticus.** *Leptothorax bucheti* var. *tunetica* Santschi, 1918a: 34 (w.q.m.) TUNISIA.

[Misspelled as *tunetina* by Emery, 1924d: 251.]

**Subspecies of annibalensis:** Cagniant, 1970a: 419.

**Subspecies of bucheti:** Emery, 1924d: 251; Santschi, 1939d: 74; Bolton, 1995b: 246.

**turcicus.** *Leptothorax turcicus* Santschi, 1934d: 278 (w.) TURKEY.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Bolton, 1995b: 246; Bolton, 2003: 271; Borowiec, L. & Salata, 2012: 546; Kiran & Karaman, 2012: 26; Borowiec, L. 2014: 192; Salata & Borowiec, 2018c: 50; Seifert, 2018: 212; Salata & Borowiec, 2019b: 115.

**turritellus.** *Leptothorax turritellus* Espadaler, in Cagniant & Espadaler, 1997: 279, figs. 28, 63 (w.q.m.) MOROCCO.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Bolton, 2003: 271; Cagniant, 2006a: 198; Borowiec, L. 2014: 192.

**tuscaloosae.** *Leptothorax (Myrafant) tuscaloosae* Wilson, 1951: 128 (w.q.) U.S.A. (Alabama).

Combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Smith, M.R. 1958c: 133; Carter, 1962a: 7 (in list); Smith, M.R. 1967: 359; Smith, D.R. 1979: 1395; Bolton, 1995b: 246; Mackay, 2000: 419 (redescription); Bolton, 2003: 272; Deyrup & Cover, 2004a: 56 (in key); MacGown & Forster, 2005: 72; Deyrup, 2017: 149.

**tyndalei.** *Leptothorax tuberum* subsp. *tyndalei* Forel, 1909e: 373 (w.) ALGERIA.

Cagniant, 1966a: 18 (q.m.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Subspecies of tuberum:** Emery, 1924d: 257.

**Status as species:** Cagniant, 1966a: 17; Cagniant, 1966b: 279; Cagniant, 1968a: 144; Cagniant, 1970a: 423; Bolton, 1995b: 246; Cagniant & Espadaler, 1997: 273; Bolton, 2003: 271; Cagniant, 2006a: 198; Borowiec, L. 2014: 192; Lebas, *et al.* 2016: 350.

**Senior synonym of balli:** Cagniant & Espadaler, 1997: 273.

**Senior synonym of cervantesi:** Cagniant & Espadaler, 1997: 273.

**typicus.** *Leptothorax tuberum typicus* Ruzsky, 1896: 72. *Nomen nudum*.

**ucrainicus.** *Leptothorax unifasciatus* subsp. *ucrainicus* Arnol'di, 1977a: 204 (w.) UKRAINE, RUSSIA.

Subspecies of *unifasciatus*: Arnol'di & Dlussky, 1978: 542 (in key); Bolton, 1995b: 246.

Junior synonym of *unifasciatus*: Radchenko, 1995c: 15; Radchenko, 2016: 230.

**umbratipes.** *Macromischa affinis* subsp. *umbratipes* Wheeler, W.M. 1937b: 455 (w.) CUBA.

Combination in *Leptothorax (Macromischa)*: Baroni Urbani, 1978b: 522.

Subspecies of *affinis*: Kempf, 1972a: 135; Alayo, 1974: 37.

Status as species: Baroni Urbani, 1978b: 522 (redescription); Brandão, 1991: 353; Bolton, 1995b: 246.

Junior synonym of *laetus*: Fontenla Rizo, 1997a: 51.

**unifasciatointerruptus.** *Leptothorax tuberum* var. *unifasciatointerruptus* Forel, 1874: 89 (m.) SWITZERLAND.

As unavailable (infrasubspecific) name: Emery & Forel, 1879: 459; Forel, 1915d: 23 (in key); Emery, 1916b: 175; Emery, 1924d: 257; Menozzi, 1925d: 28; Gösswald, 1932: 149.

Subspecies of *tuberum*: André, 1883a: 300; Dalla Torre, 1893: 128.

Subspecies of *unifasciatus*: Bondroit, 1918: 131; Zimmermann, 1935: 33; Novák, in Novák & Sadil, 1941: 94 (in key); Baroni Urbani, 1971c: 127; Bolton, 1995b: 246 (error).

Junior synonym of *unifasciatus*: Kutter, 1977c: 14; Radchenko, 2016: 230.

[Note: this taxon is considered a hybrid, *albipennis* × *unifasciatus*, by Plateaux & Cagniant, 2013: 432.]

**unifasciatonigriceps.** *Leptothorax unifasciatus* var. *unifasciatonigriceps* Novák, in Novák & Sadil, 1941: 93 (in key).

[First available use of *Leptothorax tuberum* subsp. *nigriceps* var. *unifasciatonigriceps* Gösswald, 1932: 149 (w.q.) GERMANY; unavailable (infrasubspecific) name.]

**Subspecies of unifasciatus:** Bolton, 1995b: 246.

**unifasciatonigricepoides.** *Leptothorax (Leptothorax) unifasciatus* var. *unifasciatonigricepoides* Novák, in Novák & Sadil, 1941: 94 (in key) (w.) CZECH REPUBLIC.

[First available use of *Leptothorax tuberum* var. *unifasciatonigricipoides* Dalla Torre, 1893: 128. *Nomen nudum* (attributed to Forel).]

As unavailable (infrasubspecific) name: Emery, 1924d: 257; Gösswald, 1932: 149.

*unifasciatonylanderi* Emery & Forel, 1879 (unavailable name); see under **LEPTOTHORAX**.

*unifasciatotuberum* Forel, 1892i: 314 (*nomen nudum*); see under **LEPTOTHORAX**.

**unifasciatus.** *Formica unifasciata* Latreille, 1798: 47 (w.q.m.) FRANCE.

Wheeler, G.C. & Wheeler, J. 1955b: 25 (l.).

Combination in *Manica*: Jurine, 1807: 279;

combination in *Myrmica*: Latreille, 1809: 131; Losana, 1834: 332;

combination in *Leptothorax*: Mayr, 1855: 444;

combination in *Temnothorax*: Bolton, 2003: 272.

**Subspecies of tuberum:** Forel, 1874: 85 (in key); Emery & Forel, 1879: 459; André, 1883a: 299; Forel, 1886e: clxviii; Forel, 1890a: lxxv; Emery, 1891b: 5; Lameere, 1892: 69; Emery, in Dalla Torre, 1893: 127 (footnote); Forel, 1894d: 38; Ruzsky, 1896: 72; Saunders, E. 1896: 38; Ruzsky, 1905b: 593; Bondroit, 1910: 497; Santschi, 1910e: 649; Karavaiev, 1912b: 581; Stitz, 1914: 63; Crawley, 1914a: 91 (in key); Emery, 1914d: 158; Forel, 1915d: 23 (in key); Emery, 1916b: 175; Escherich, 1917: 328 (in key); Nadig, 1918: 339; Menozzi, 1921: 28; Santschi, 1921a: 110; Soudek, 1922: 54; Santschi, 1923f: 331; Finzi, 1924a: 13; Emery, 1924d: 257; Menozzi, 1925d: 28; Schkaff, 1925: 275; Karavaiev, 1926c: 163; Stärcke, 1926: 94 (in key); Karavaiev, 1927a: 291; Kuznetsov-Ugamsky, 1929b: 43; Gösswald, 1932: 88; Arnol'di, 1933b: 599 (in key); Grandi, 1935: 101; Rösler, 1950: 225; Ceballos, 1956: 307; Hamann & Klemm, 1976: 672.

**Status as species:** Latreille, 1802c: 257; Jurine, 1807: 279; Latreille, 1809: 131; Stephens, 1829: 356; Losana, 1834: 332; Shuckard, 1838: 626; Erichson, 1839: 357; Nylander, 1849: 44; Smith, F. 1851: 5; Schenck, 1852: 101; Curtis, 1854: 216; Mayr, 1855: 444 (redescription); Smith, F. 1855b: 128; Nylander, 1856b: 91; Smith, F. 1857b: 39; Gredler, 1858: 27; Smith, F. 1858b: 120; Mayr, 1861: 59 (in key); Roger, 1863b: 26; Mayr, 1863: 427; Emery, 1869b: 15; Smith, F. 1871b: 3; Dours, 1873: 168; André, 1874: 191 (in key); Emery, 1878a: x (in list); Emery, 1878b: 50; Saunders, E. 1880: 220; White, W.F. 1884: 266; Nasonov, 1889: 32; Dalla Torre, 1893: 129; Ruzsky, 1902a: 234; Ruzsky, 1902d: 21; Viehmeyer, 1906: 68; Wasmann, 1906: 120 (in key); Bondroit, 1912: 351; Emery, 1915h: 1; Menozzi, 1918: 85; Bondroit, 1918: 131; Müller, 1923a: 70; Müller, 1923b: 91; Betrem, 1926: 217; Finzi, 1928b: 130; Finzi, 1930d: 314; Cori & Finzi, 1931: 239; Soudek, 1931: 9; Finzi, 1933: 164; Santschi, 1933a: 21; Zimmermann, 1935: 32; Novák, in Novák & Sadil, 1941: 93 (in key); Novák, in Kratochvíl, *et al.* 1944: 122; van Boven, 1947: 179 (in key); Arnol'di, 1948: 211 (in list); Consani & Zangheri, 1952: 41; Bernard, 1956a: 163; Bernard, 1967: 211 (redescription); Yarrow, 1967: 27; Kutter, 1968a: 60; Collingwood & Yarrow, 1969: 71; Arnol'di, 1971: 1825 (in key); Baroni Urbani, 1971c: 125; Collingwood, 1971: 162; Banert & Pisarski, 1972: 351; Baroni Urbani, 1974: 234; Bolton & Collingwood, 1975: 5 (in key); Pisarski, 1975: 22; Arnol'di, 1977a: 204; van Boven, 1977: 107; Kutter, 1977c: 134; Arnol'di & Dlussky, 1978: 542 (in key); Collingwood, 1978: 85 (in key); Collingwood, 1979: 76; Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 275 (in key); Dlussky, Soyunov & Zabelin, 1990: 191; Casevitz-Weulersse, 1990c: 418 (in key); Douwes & Stille, 1991: 173; Atanassov & Dlussky, 1992: 144; Collingwood, 1993b: 194; Arakelian, 1994: 58; Radchenko, 1994d: 157 (in key); Bolton, 1995b: 246; Poldi, *et al.* 1995: 5; Radchenko, 1995c: 15; Schembri & Collingwood, 1995: 154; Cagniant & Espadaler, 1997: 274; Espadaler, 1997b: 30; Collingwood & Prince, 1998: 16 (in key); Gallé, *et al.* 1998: 215; Czechowski, *et al.* 2002: 45; Markó & Csösz, 2002: 114; Bolton, 2003: 271; Karaman, G.S. & Karaman, 2005: 56; Bračko, 2006: 142; Cagniant, 2006a: 198; Markó, Sipos, *et al.* 2006: 71; Petrov, 2006: 98 (in key); Bračko, 2007: 19; Seifert, 2007:

236; Werner & Wiezik, 2007: 141; Wetterer, *et al.* 2007: 26; Zryanin & Zryanina, 2007: 231; Gratiashvili & Barjadze, 2008: 143; Vonshak, *et al.* 2009: 45; Lapeva-Gjonova, *et al.* 2010: 25; Csösz, *et al.* 2011: 57; Karaman, M.G. 2011b: 34; Legakis, 2011: 19; Borowiec, L. & Salata, 2012: 546; Czechowski, *et al.* 2012: 141; Kiran & Karaman, 2012: 26; Salata & Borowiec, 2013: 407; Borowiec, L. 2014: 192 (see note in bibliography); Bračko, *et al.* 2014: 16; Lebas, *et al.* 2016: 378; Radchenko, 2016: 230; Salata & Borowiec, 2018c: 50; Seifert, 2018: 211.

**Senior synonym of *anoplogynus*:** Emery, 1916b: 175; Emery, 1924d: 257; Baroni Urbani, 1971c: 125; Bolton, 1995b: 246; Radchenko, 2016: 230.

**Senior synonym of *brauneri*** Karavaiev: Radchenko, 1995c: 15; Radchenko, 2016: 230.

**Senior synonym of *brauniella*:** Radchenko, 1995c: 15; Radchenko, 2016: 230.

**Senior synonym of *cordieri*:** Casevitz-Weulersse, 1990c: 417; Bolton, 1995b: 246; Casevitz-Weulersse & Galkowski, 2009: 497; Radchenko, 2016: 230.

**Senior synonym of *kirillovi*:** Radchenko, 1995c: 15; Radchenko, 2016: 230.

**Senior synonym of *salina*:** Radchenko, 1995c: 15; Radchenko, 2016: 230.

**Senior synonym of *ucrainicus*:** Radchenko, 1995c: 15; Radchenko, 2016: 230.

**Senior synonym of *unifasciatointerruptus*:** Kutter, 1977c: 14; Radchenko, 2016: 230.

**Senior synonym of *volubilis*:** Cagniant & Espadaler, 1997: 274; Radchenko, 2016: 230.

Material of the unavailable name *paolii* referred here by Casevitz-Weulersse, 1990c: 417; Bolton, 1995b: 246.

Current subspecies: nominal plus *cordieri*, *obenbergeri*, *staegeri*, *unifasciatonigricepsoides*, *unifasciatonigriceps*.

***universitatis*.** *Leptothorax universitatis* Espadaler, 1997b: 33, fig. 2 (w.q.m.) SPAIN.

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Bolton, 2003: 271; Borowiec, L. 2014: 193; Lebas, *et al.* 2016: 370; Catarineu, *et al.* 2017: 143 (in key).

***usunkul*.** *Leptothorax usunkul* Ruzsky, 1924: 152 (w.) RUSSIA (Siberia).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Ruzsky, 1925a: 289; Bolton, 1995b: 246; Radchenko, 1996c: 19; Bolton, 2003: 271.

***vandeli*.** *Epimyrma vandeli* Santschi, 1927b: 126 (q.m.) FRANCE.

[Note: m. described but not named: Vandel, 1926: 198.]

Status as species: Menozzi, 1931c: 47 (redescription); Bernard, 1945: 134; Bernard, 1950a: 19; Bernard, 1967: 219 (redescription); Kutter, 1968b: 204; Collingwood & Yarrow, 1969: 73; Cagniant, 1970a: 428; Kutter, 1973e: 285; Buschinger, 1981: 213.

Junior synonym of *kraussei*: Buschinger, Fischer, *et al.* 1987: 274; Buschinger, 1989: 267; Mei, 1992b: 148; Schulz, A. 1994b: 432; Bolton, 1995b: 188; Buschinger, 1997: 8; Casevitz-Weulersse & Galkowski, 2009: 491; Salata, Borowiec & Trichas, 2018: 784.

***variabilis*.** *Temnothorax variabilis* Salata, Borowiec & Trichas, 2018: 798, figs. 80-88 (w.) GREECE (Crete I.).

**Status as species:** Salata & Borowiec, 2018c: 49.

***veneris*** Santschi, 1918 (unavailable name); see under **LEPTOTHORAX**.

***veneris*.** *Temnothorax atlantis* subsp. *veneris* Galkowski & Cagniant, 2017: 187 (w.) TUNISIA.

***versicolor*.** *Macromischa versicolor* Roger, 1863a: 187 (w.) CUBA.

Mann, 1929: 166 (q.); Baroni Urbani, 1978b: 524 (m.).

Combination in *M. (Croesomyrmex)*: Mann, 1920: 421; Wheeler, W.M. 1937b: 465;

combination in *Croesomyrmex*: Wheeler, W.M. 1931b: 32;

combination in *Leptothorax (Macromischa)*: Baroni Urbani, 1978b: 523;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Roger, 1863b: 28; Mayr, 1863: 428; Dalla Torre, 1893: 120; Emery, 1896a: 103 (in list); Wheeler, W.M. 1905b: 127; Wheeler, W.M. 1908a: 141 (in key); Wheeler, W.M. 1913b: 487; Mann, 1920: 421 (redescription); Emery, 1924d: 247; Mann, 1929: 166; Wheeler, W.M. 1937b: 465; Kempf, 1972a: 138; Alayo, 1974: 17 (in key); Baroni Urbani, 1978b: 523 (redescription); Brandão, 1991: 353; Bolton, 1995b: 246; Fontenla Rizo, 2001: 16 (in key); Bolton, 2003: 272.

**Senior synonym of lugens:** Baroni Urbani, 1978b: 523; Brandão, 1991: 353; Bolton, 1995b: 246.

**Senior synonym of nigra:** Baroni Urbani, 1978b: 523; Brandão, 1991: 353; Bolton, 1995b: 246.

Current subspecies: nominal plus *guanahacabibes*.

**villarensis.** *Macromischa manni* var. *villarensis* Aguayo, 1931: 177 (w.) CUBA (date of publication (31).xii.1931).

**Replacement name for Macromischa manni** Wheeler, W.M. 1931b: 19 (date of publication (31).vii.1931). [Junior secondary homonym of *Leptothorax manni* Wheeler, W.M. 1914b: 53.]

[Note: *villarensis* junior synonym of *manni* Wheeler, W.M. 1931b: 19 (synonymy by Baroni Urbani, 1978b: 531, Snelling, R.R. 1986: 155); hence *villarensis* first available replacement name (Snelling, R.R. 1986: 155).]

Combination in *Temnothorax*: Bolton, 2003: 272.

**Subspecies of manni:** Wheeler, W.M. 1937b: 449, 464; Kempf, 1972a: 137; Alayo, 1974: 38.

**Status as species:** Snelling, R.R. 1986: 155; Brandão, 1991: 353; Bolton, 1995b: 246; Fontenla Rizo, 2001: 16 (in key); Bolton, 2003: 272.

**Senior synonym of williami:** Snelling, R.R. 1986: 155; Bolton, 1995b: 246.

**violaceus.** *Macromischa (Macromischa) violacea* Mann, 1924: 20 (w.) CUBA.

Combination in *Leptothorax (Macromischa)*: Baroni Urbani, 1978b: 526; combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Wheeler, W.M. 1937b: 465; Kempf, 1972a: 138; Alayo, 1974: 17 (in key); Baroni Urbani, 1978b: 526 (redescription); Brandão, 1991: 353; Bolton, 1995b: 246; Fontenla Rizo, 2001: 16 (in key); Bolton, 2003: 272.

**volgensis.** *Leptothorax nassonovi* subsp. *volgensis* Ruzsky, 1905b: 582 (w.) RUSSIA.

Kupyanskaya, 1990: 142 (q.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Subspecies of nassonovi:** Emery, 1924d: 255.

**Status as species:** Arnol'di, 1977a: 203; Arnol'di & Dlussky, 1978: 540 (in key); Radchenko, 1994d: 153, 156 (in key); Bolton, 1995b: 246; Radchenko, 1995d: 9; Bolton, 2003: 271; Zryannin & Zryannina, 2007: 232; Borowiec, L. 2014: 193; Radchenko, 2016: 231.

*volubilis.* *Leptothorax volubilis* Santschi, 1929e: 155, fig. 5 (w.q.) MOROCCO.

Status as species: Bolton, 1995b: 246.

Junior synonym of *unifasciatus*: Cagniant & Espadaler, 1997: 274; Radchenko, 2016: 230.

**wardi.** *Temnothorax wardi* Snelling, R.R. et al. 2014: 73, figs. 18-19, 24-26 (w.) U.S.A. (California), MEXICO (Baja California).

*wasmanni* Forel, 1901 [*Macromischa*]; see under **TETRAMORIUM**.

*wernerii.* *Leptothorax wernerii* Radchenko, 1994i: 24, fig. 2a-c (w.) RUSSIA (Caucasus).

Combination in *Temnothorax*: Bolton, 2003: 271.

Status as species: Radchenko, 1994d: 149 (in key); Bolton, 1995b: 246; Radchenko, 1996c: 18; Bolton, 2003: 271; Borowiec, L. 2014: 193.

Junior synonym of *alpinus*: Radchenko, Yusupov & Fedoseeva, 2015: 163 (in text).

**wheeleri.** *Macromischa (Croesomyrmex) wheeleri* Mann, 1920: 422, fig. 6 (w.q.) CUBA.

Wheeler, G.C. & Wheeler, J. 1955b: 18 (l.); Baroni Urbani, 1978b: 529 (m.).

Combination in *Croesomyrmex*: Wheeler, W.M. 1931b: 32;

combination in *Leptocephalus (Macromischa)*: Baroni Urbani, 1978b: 527;

combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Mann, 1924: 21; Aguayo, 1931: 181; Wheeler, W.M. 1937b: 465; Brown, 1959e: 73; Kempf, 1972a: 138; Alayo, 1974: 16 (in key); Baroni Urbani, 1978b: 527 (redescription); Brandão, 1991: 353; Bolton, 1995b: 246; Fontenla Rizo, 2001: 16 (in key); Bolton, 2003: 272.

**Senior synonym of petri:** Brown, 1959e: 73; Kempf, 1972a: 139; Baroni Urbani, 1978b: 527; Brandão, 1991: 353; Bolton, 1995b: 246.

*wheeleri*. *Leptocephalus wheeleri* Smith, M.R. 1929: 547, fig. 1 (w.q.) U.S.A. (Mississippi).

[Junior secondary homonym of *Macromischa wheeleri* Mann, 1920: 422.]

Wheeler, G.C. & Wheeler, J. 1989a: 323 (l.).

Combination in *L. (Myrafant)*: Smith, M.R. 1951a: 819.

Status as species: Smith, M.R. 1931a: 18; Wesson, L.G. & Wesson, R.G. 1940: 96; Creighton, 1950a: 273; Smith, M.R. 1951a: 819; Wilson, 1952a: 67 (redescription); Smith, M.R. 1958c: 133; Smith, D.R. 1979: 1395; Deyrup, *et al.* 1989: 97.

**Replacement name:** *Leptocephalus smithi* Baroni Urbani, 1978b: 557.

*whitfordi*. *Leptocephalus (Myrafant) whitfordi* Mackay, 2000: 421, figs. 65, 67, 188-190 (w.q.m.) U.S.A. (New Mexico, Texas), MEXICO (Nuevo León, San Luis Potosí)

Combination in *Temnothorax*: Bolton, 2003: 272.

**Status as species:** Mackay & Mackay, 2002: 141; Bolton, 2003: 272; Ward, 2005: 68; Snelling, R.R. *et al.* 2014: 80.

*williami*. *Leptocephalus (Macromischa) williami* Baroni Urbani, 1978b: 530.

Unnecessary replacement name for *manni* Wheeler, 1931b: 19.

Junior synonym of *villarensis*: Snelling, R.R. 1986: 155; Bolton, 1995b: 246.

*wollastoni*. *Leptocephalus wollastoni* Donisthorpe, 1940a: 45 (w.) PORTUGAL (Madeira I.).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Bolton, 1995b: 246; Bolton, 2003: 271; Wetterer, *et al.* 2007: 27; Borowiec, L. 2014: 193.

*wroughtonii*. *Leptocephalus wroughtonii* Forel, 1904c: 22 (w.) INDIA (Jammu & Kashmir).

Combination in *Temnothorax*: Bolton, 2003: 271.

**Status as species:** Forel, 1906b: 88; Emery, 1924d: 257; Menozzi, 1939a: 308 (in key); Bolton, 1995b: 246; Bolton, 2003: 271; Bharti, Gul & Schulz, 2012: 335 (in key); Bharti, Guénard, *et al.* 2016: 45; Bharti, Gul & Sasi, 2016: 752 (in key).

*wui*. *Leptocephalus congruus* var. *wui* Wheeler, W.M. 1929f: 7 (w.q.m.) CHINA (Beijing).

Combination in *Temnothorax*: Radchenko, 2004: 129.

**Subspecies of congruus:** Wheeler, W.M. 1930h: 70; Chapman & Capco, 1951: 110; Bolton, 1995b: 246.

**Status as species:** Radchenko, 2004: 129; Zhou, *et al.* 2010: 10 (in key); Guénard & Dunn, 2012: 55.

*xanthos*. *Temnothorax xanthos* Radchenko, 2004: 114, figs. 4-6 (w.) NORTH KOREA.

**Status as species:** Radchenko, 2005b: 152; Guénard & Dunn, 2012: 55.

*yanwan*. *Temnothorax yanwan* Terayama, 2009: 185 (w.) TAIWAN.

*zabelini*. *Chalepoxenus zabelini* Radchenko, 1989a: 39, fig. 1d-zh (q.m.) TURKMENISTAN.

Combination in *Temnothorax*: Ward, *et al.* 2015: 75.

**Status as species:** Dlussky, Soyunov & Zabelin, 1990: 192; Bolton, 1995b: 145.

*zaleskyi*. *Epimyrma zaleskyi* Sadil, 1953a: 188, figs. 1, 2 (w.q.) CZECH REPUBLIC.

Combination in *Temnothorax*: Ward, *et al.* 2015: 75.

**Status as species:** Kutter, 1968b: 204; Kutter, 1973e: 285; Buschinger, 1989: 266; Schulz, A. 1994b: 432; Bolton, 1995b: 188; Werner & Wiezik, 2007: 150.

***zhejiangensis*.** *Temnothorax zhejiangensis* Zhou, *et al.* 2010: 21, figs. 19-21 (w.) CHINA (Zhejiang).

**Status as species:** Guénard & Dunn, 2012: 56.