

DACATRIA [Myrmicinae: Crematogastrini]

Dacatria Rigato, 1994b: 155. Type-species: *Dacatria templaris* Rigato, 1994b: 157, by original designation.

Taxonomic history

Dacatria in Myrmicinae, Proattini: Rigato, 1994b: 161.

Dacatria in Myrmicinae, Stenammini: Bolton, 1994: 106; Bolton, 1995b: 26; Bolton, 2003: 59, 203.

Dacatria in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Mayriella* genus group: Blaimer, *et al.* 2018: 7.

Dacatria as genus: all authors.

Dacatria references: Eguchi, *et al.* 2011: 15 (diagnosis, Vietnam synopsis).

DACETINOPS [Myrmicinae: Crematogastrini]

Dacetinops Brown & Wilson, 1957a: 1. Type-species: *Dacetinops cibdela* Brown & Wilson, 1957: 4, by original designation.

Taxonomic history

Dacetinops in Myrmicinae, Leptothoracini: Wheeler, G.C. & Wheeler, J. 1985: 257.

Dacetinops incertae sedis in Myrmicinae: Dlussky & Fedoseeva, 1988: 80.

Dacetinops in Myrmicinae, Stenammini: Bolton, 1994: 106; Bolton, 1995b: 26; Bolton, 2003: 59, 203.

Dacetinops in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Vollenhovia* genus group: Blaimer, *et al.* 2018: 7.

Dacetinops as genus: all authors.

Dacetinops catalogues: Bolton, 1995b: 168.

Dacetinops references: Taylor, 1985: 49 (all species revision, key).

DACETON [Myrmicinae: Attini]

Daceton Perty, 1833: 136. Type-species: *Formica armigera* Latreille, 1802c: 244, by monotypy.

Taxonomic history

Daceton in Poneridae, Myrmicidae: Smith, F. 1858b: 160.

Daceton in Myrmicidae, Cryptoceridae: Smith, F. 1853: 226; Emery, 1877a: 81.

Daceton in Cryptoceridae, Dacetini: Ashmead, 1905b: 384 [Dacetonini].

Daceton in Myrmicinae: Mayr, 1865: 26 [Myrmicidae]; Dalla Torre, 1893: 149 [Myrmicinae].

Daceton in Myrmicinae, Dacetini, Dacetiti: Brown, 1952g: 10 (footnote); Brown, 1954b: 465; Brown & Wilson, 1959b: 281; Brandão, 1991: 391.

Daceton in Myrmicinae, Dacetini: Forel, 1893a: 164; Forel, 1892d: 344; Forel, 1895b: 136; Emery, 1895j: 770; Emery, 1896e: 180; Wheeler, W.M. 1910g: 141; Emery, 1914a: 42; Forel, 1917: 246; Wheeler, W.M. 1922a: 666; Emery, 1924d: 316; Donisthorpe, 1943f: 637; Brown, 1948e: 102; Bolton, 1995b: 26; Bolton, 1999: 1653; Shattuck, 2000: 31; Bolton, 2003: 54, 187.

Daceton in Myrmicinae, Attini: Ward, *et al.* 2015: 77.

Daceton as genus: all authors.

[**DACETUM**: unjustified emendation by Agassiz, 1846: 115; and unjustified emendation by Schulz, W.A. 1906: 155.]

[Note: *Dacetum* was treated as a junior synonym of *Daceton* by Brown, 1973b: 179, Bolton, 1995b: 26, Bolton, 2003: 187, but is best regarded as an unjustified emendation.]

Daceton catalogues: Roger, 1863b: 40; Mayr, 1863: 406; Dalla Torre, 1893: 149; Emery, 1924d: 316; Kempf, 1972a: 94; Bolton, 1995b: 168.

Daceton references: Mayr, 1865: 26 (diagnosis); Emery, 1924d: 316 (diagnosis); Bolton, 1994: 105 (synoptic classification); Gronenberg, 1996: 2021 (mandible morphology); Bolton, 1999: 1653

(diagnosis, review of genus, phylogeny); Bolton, 2000: 17 (diagnosis, species synopsis); Azorsa & Sossa-Calvo, 2008: 27 (**all species key**); Baccaro, *et al.* 2015: 224 (genus in Brazil); Fernández & Serna, 2019: 851 (Colombia species key).

DACETUM: unjustified emendation of *Daceton*.

DACRYON [junior synonym of *Podomyrma*]

Dacryon Forel, 1895f: 421. Type-species: *Dacryon omniparens* Forel, 1895f: 421, by monotypy.

Taxonomic history

Dacryon in Myrmicinae, Tetramoriini: Emery, 1896e: 183; Ashmead, 1905b: 383.

Dacryon in Myrmicinae, Myrmicini: Wheeler, W.M. 1910g: 139.

Dacryon in Myrmicinae, Myrmecinini: Emery, 1912b: 105; Emery, 1914a: 41; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 235 [subtribe Mymecinini]; Donisthorpe, 1943f: 637.

Dacryon as genus: Emery, 1896e: 183; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 139; Emery, 1912b: 105; Emery, 1914a: 41; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 235; Donisthorpe, 1943f: 637.

Dacryon as junior synonym of *Podomyrma*: Brown, 1973b: 179 [provisional]; Taylor & Brown, 1985: 80; Taylor, 1987a: 57; Hölldobler & Wilson, 1990: 15; Bolton, 1994: 105; Bolton, 1995b: 26; Shattuck, 1999: 157; Bolton, 2003: 251.

DECACREMA [junior synonym of *Crematogaster* (*Crematogaster*)]

Decacrema Forel, 1910a: 18 [as subgenus of *Crematogaster*]. Type-species: *Crematogaster schencki* Forel, 1891b: 182, by subsequent designation of Wheeler, W.M. 1911f: 161.

Taxonomic history

[*Decacrema* also described as new by Forel, 1910f: 9.]

[Type-species not *Crematogaster* (*Decacrema*) *decamera* Forel, 1910a: 18 (footnote), unjustified subsequent designation by Wheeler, W.M. 1922a: 860.]

Decacrema as genus: Soulié, 1964: 398; Soulié, 1965: 79.

Decacrema as subgenus of *Crematogaster*: Forel, 1910a: 18; Forel, 1917: 242; Arnold, 1920a: 547; Emery, 1922e: 137; Wheeler, W.M. 1922a: 661; subsequent authors; Bolton, 1995b: 26; Bolton, 2003: 238.

Decacrema as junior synonym of *Crematogaster*: Brown, 1973b: 179 [provisional]; Smith, D.R. 1979: 1376; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 124; Tang, J., Li, *et al.* 1995: 64.

Decacrema as junior synonym of *C. (Crematogaster)*: Blaimer, 2012c: 52.

[Note: world list of species in former subgenus *C. (Decacrema)*: Bolton, 1995b: 166.]

[**DECRACREMA**: incorrect subsequent spelling by Arnold, 1920a: 547.]

DECAMERA [junior homonym, replaced by *Hincksidris*]

Decamera Roger, 1863a: 166. Type-species: *Decamera nigella* Roger, 1863a: 167, by monotypy.

Taxonomic history

[Junior homonym of *Decamera* Mulsant, 1842: 503 (Coleoptera).]

Decamera in Formicinae: Mayr, 1865: 10 [Formicidae]; in Camponotinae, Myrmelachistini: Forel, 1917: 249.

Decamera as genus: Roger, 1863b: 14; Mayr, 1865: 10.

Decamera as junior synonym of *Myrmelachista*: Forel, 1878: 376; Forel, 1886f: 214; Mayr, 1887: 525; Dalla Torre, 1893: 174; Hölldobler & Wilson, 1990: 18; Brandão, 1991: 358.

Decamera as subgenus of *Myrmelachista*: Forel, 1886f: 214; Forel, 1917: 249; Wheeler, W.M. 1922a: 696; Emery, 1925b: 32; Donisthorpe, 1943f: 637.

Hincksidris Donisthorpe, 1944b: 59, replacement name for *Decamera* Roger.

DECAMORIUM [junior synonym of *Tetramorium*]

Decamorium Forel, 1913a: 121 [as subgenus of *Tetramorium*]. Type-species: *Tetramorium (Decamorium) decem* Forel, 1913a: 121, by monotypy.

Taxonomic history

Decamorium in Myrmicinae, Tetramoriini: Emery, 1914a: 42; Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 289; subsequent authors.

Decamorium as subgenus of *Tetramorium*: Forel, 1913a: 121; Arnold, 1917: 274.

Decamorium as genus: Emery, 1914a: 42; Forel, 1917: 245; Wheeler, 1922a: 664, 906; Emery, 1924d: 289; subsequent authors; Bolton, 1973a: 355; Bolton, 1976: 297; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 26; Bolton, 2003: 63, 225.

Decamorium as junior synonym of *Tetramorium*: Hita Garcia & Fisher, 2014a: 71.

DECAPHEIDOLO [junior synonym of *Pheidole*]

Decapheidole Forel, 1912f: 237 [as subgenus of *Pheidole*]. Type-species: *Pheidole flavens perpusilla* Emery, 1894c: 157, by subsequent designation of Wheeler, W.M. 1913a: 80.

Taxonomic history

Decapheidole in Myrmicinae, Pheidolini: Wheeler, W.M. 1922a: 661.

Decapheidole as genus: Wheeler, W.M. 1922a: 661; Borgmeier, 1927c: 78.

Decapheidole as subgenus of *Pheidole*: Forel, 1912f: 237, Forel, 1917: 241; Emery, 1922e: 112; Donisthorpe, 1943f: 637; Kempf, 1972a: 183; Brandão, 1991: 368.

Decapheidole as junior synonym of *Pheidole*: Brown, 1973b: 180 [provisional]; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 26; Tang, J., Li, et al. 1995: 54; Bolton, 2003: 234; Wilson, 2003: 6.

DENDROLASIUS [subgenus of *Lasius*]

Dendrolasius Ruzsky, 1912: 630 [as subgenus of *Lasius*]. Type-species: *Formica fuliginosa Latreille*, 1798: 36, by monotypy.

Taxonomic history

[*Dendrolasius* also described as new by Ruzsky, 1914a: 59.]

Dendrolasius as subgenus of *Formicina*: Emery, 1916b: 242; Wheeler, W.M. 1916k: 170; Forel, 1917: 249.

Dendrolasius as subgenus of *Acanthomyops*: Forel, 1916: 460; Donisthorpe, 1927b: 211; Donisthorpe, 1943f: 637.

Dendrolasius as junior synonym of *Lasius*: Brown, 1973b: 180 [provisional]; Hölldobler & Wilson, 1990: 18; Tang, J., Li, et al. 1995: 108.

Dendrolasius as subgenus of *Lasius*: Ruzsky, 1912: 630; Wheeler, W.M. 1922a: 698; Emery, 1925b: 235; Donisthorpe, 1943f: 637; Wilson, 1955a: 14; subsequent authors; Kupryanskaya, 1989: 779; Bolton, 1995b: 26; Bolton, 2003: 97.

[Note: world list of species in *L. (Dendrolasius)*: Bolton, 1995b: 226.]

***Dendrolasius* references:** included under *Lasius*.

DENDROMYRMEX [subgenus of *Camponotus*]

Dendromyrmex Emery, 1895j: 772. Type-species: *Formica chartifex* Smith, F. 1860c: 68, by subsequent designation of Wheeler, W.M. 1911f: 161.

Taxonomic history

Dendromyrmex in Camponotinae: Emery, 1896e: 188.

Dendromyrmex in Camponotinae, Camponotini: Emery, 1895j: 772; Forel, 1899c: 130; Ashmead, 1905b: 384; Wheeler, W.M. 1910g: 144; Forel, 1912i: 89; Forel, 1917: 250.

Dendromyrmex in Formicinae, *Formica* genus group: Agosti, 1991: 295.

Dendromyrmex in Formicinae, Camponotini: Wheeler, W.M. 1922a: 700; Emery, 1925b: 172; subsequent authors; Hölldobler & Wilson, 1990: 19; Brandão, 1991: 339; Bolton, 1995b: 26; Bolton, 2003: 114.

Dendromyrmex as genus: Emery, 1896e: 188; Ashmead, 1905b: 384; Wheeler, W.M. 1910g: 144; Forel, 1912i: 89; Forel, 1917: 250; Wheeler, W.M. 1922a: 700; Emery, 1925b: 172; subsequent authors; Hölldobler & Wilson, 1990: 19; Agosti, 1991: 295; Brandão, 1991: 339; Bolton, 1995b: 26.

Dendromyrmex as subgenus of *Camponotus*: Forel, 1899c: 130; Fernández, 2002: 51; Bolton, 2003: 114.

***Dendromyrmex* references:** included under *Camponotus*.

DEROMYRMA [junior synonym of *Aphaenogaster*]

Deromyrma Forel, 1913b: 350 [as subgenus of *Aphaenogaster*]. Type-species: *Aphaenogaster (Ischnomyrmex) swammerdami* Forel, 1886c: cvi, by original designation.

Taxonomic history

[*Deromyrma* also described as new by Forel, 1913k: 49.]

Deromyrma as subgenus of *Aphaenogaster*: Forel, 1913b: 350; Forel, 1913k: 49; Emery, 1915d: 70; Forel, 1917: 241; Emery, 1921f: 64; Wheeler, W.M. 1922a: 680; subsequent authors; Kempf, 1972a: 22.

Deromyrma as junior synonym of *Aphaenogaster*: Brown, 1973b: 180 [provisional]; Smith, D.R. 1979: 1359; Bolton, 1982: 364; Hölldobler & Wilson, 1990: 12; Ogata, 1991b: 83; Bolton, 1995b: 26; Tang, J., Li, et al. 1995: 49; Bolton, 2003: 229.

DESCOLEMYRMA [junior synonym of *Mycocepurus*]

Descolemyrma Kusnezov, 1951d: 460. Type-species: *Descolemyrma ogloblini* Kusnezov, 1951d: 460 (junior synonym of *Atta (Mycocepurus) goeldii* Forel, 1893g: 370 (footnote)), by monotypy.

Taxonomic history

Descolemyrma in Myrmicinae, Attini: Kusnezov, 1951d: 460.

Descolemyrma as junior synonym of *Mycocepurus*: Kempf, 1963b: 417; Kempf, 1972a: 146; Hölldobler & Wilson, 1990: 14; Bolton, 1995b: 26; Bolton, 2003: 200.

***DHAGNATHOS** [*Haidomyrmecinae]

****Dhagnathos*** Perrichot, Wang & Barden, 2020: 4. Type-species: **Dhagnathos autokrator* Perrichot, Wang & Barden, 2020: 5, by original designation.

Taxonomic history

**Dhagnathos* in *Haidomyrmecinae: Perrichot, Wang & Barden, 2020: 4.

DIABOLUS [junior homonym, replaced by *Karawajewella*]

Diabolus Karavaiev, 1926d: 424 [as subgenus of *Dolichoderus*]. Type-species: *Dolichoderus (Diabolus) bifurcatus* Karavaiev, 1926d: 425 (junior synonym of *Polyrhachis cuspidatus* Smith, F. 1857a: 63), by original designation.

Taxonomic history

[Junior homonym of *Diabolus* Gray, J.E. 1841: 400 (Mammalia).]

Diabolus as subgenus of *Dolichoderus*: Wheeler, W.M. 1935c: 68; Donisthorpe, 1943f: 638.

Diabolus as junior synonym of *Hypoclinea*: Hölldobler & Wilson, 1990: 17.

Karawajewella Donisthorpe, 1944b: 59, replacement name for *Diabolus* Karavaiev.

DIACAMMA [Ponerinae: Ponerini]

Diacamma Mayr, 1862: 713 (diagnosis in key), 718. Type-species: *Ponera rugosa* Le Guillou, 1842: 318, by subsequent designation of Bingham, 1903: 75.

Taxonomic history

Diacamma in Ponerinae: Mayr, 1862: 713 (in key) [Poneridae]; Mayr, 1865: 13 [Poneridae]; Emery, 1887b: 435 [Poneridae]; Dalla Torre, 1893: 28 [Ponerinae]; Emery, 1896e: 178 [Ponerinae].

Diacamma in Ponerinae, Leptogenysii: Forel, 1893a: 162.

Diacamma in Pachycondylinae, Pachycondylini: Ashmead, 1905b: 382.

Diacamma in Ponerinae, Ponerini: Emery, 1895j: 767; Forel, 1900d: 317; Wheeler, W.M. 1910g: 135; Emery, 1911d: 64 [subtribe Pachycondylini]; Forel, 1917: 237 [subtribe Pachycondylini]; Wheeler, W.M. 1922a: 647; subsequent authors; Bolton, 1995b: 26; Bolton, 2003: 44, 161; in Ponerini, *Ponera* genus group: Schmidt, C.A. & Shattuck, 2014: 186.

Diacamma as genus: all authors.

Diacamma catalogues: Mayr, 1863: 407; Roger, 1863b: 16; Dalla Torre, 1893: 28; Emery, 1911d: 64; Chapman & Capco, 1951: 53 (Asia); Taylor & Brown, 1985: 28 (Australia); Taylor, 1987a: 24 (Australia); Bolton, 1995b: 169; Schmidt, C.A. & Shattuck, 2014: 190 (species checklist).

Diacamma references: Mayr, 1865: 13 (diagnosis); Mayr, 1867a: 86 (diagnosis); Emery, 1887b: 435, footnote (all species key); Emery, 1897b: 162 (all species key); Forel, 1900d: 317 (India & Sri Lanka species key); Bingham, 1903: 76 (India, Sri Lanka & Burma species key); Emery, 1911d: 64 (diagnosis); Wilson, 1958d: 366 (Melanesia & Moluccas species revision, key); Ogata, 1987: 111 (diagnosis, Japan); Morisita, *et al.* 1989: 17 (Japan species); Bolton, 1994: 164 (synoptic classification); Bolton, 1995a: 1049 (census); Shattuck, 1999: 183 (Australia synopsis); Bolton, 2003: 161 (synopsis); Shattuck & Barnett, 2006: 14 (**Australia species revision, key**); Eguchi, *et al.* 2014: 30 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 186 (diagnosis, synopsis).

DIAGYNE [junior synonym of *Solenopsis*]

Diagyne Santschi, 1923c: 268 [as subgenus of *Solenopsis*]. Type-species: *Solenopsis succinea* Emery, 1890b: 52, by monotypy.

Taxonomic history

Diagyne in Myrmicinae, Solenopsidini: Donisthorpe, 1943f: 638.

Diagyne as subgenus of *Solenopsis*: Santschi, 1923c: 268; Creighton, 1930b: 42; Donisthorpe, 1943f: 638; Kusnezov, 1962b: 160.

Diagyne junior synonym of *Solenopsis*: Ettershank, 1966: 134; Kempf, 1972a: 232; Bolton, 1973a: 354; Smith, D.R. 1979: 1384; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 108; Bolton, 1995b: 26; Tang, J., Li, *et al.* 1995: 71; Bolton, 2003: 218.

DIAPHOROMYRMA [Myrmicinae: Attini]

Diaphoromyrma Fernández, *et al.* 2009: 56. Type-species: *Diaphoromyrma sofiae* Fernández, *et al.* 2009: 59, by original designation.

Taxonomic history

Diaphoromyrma incertae sedis in Myrmicinae: Fernández, *et al.* 2009: 56.

Diaphoromyrma in Myrmicinae, Attini: Ward, *et al.* 2015: 77.

Diaphoromyrma as genus: all authors.

Diaphoromyrma references: Baccaro, *et al.* 2015: 226 (genus in Brazil).

DICERATOCLINEA [junior synonym of *Dolichoderus*]

Diceratoclinea Wheeler, W.M. 1935c: 69 [as subgenus of *Dolichoderus*]. Type-species: *Dolichoderus scabridus* Roger, 1862a: 244, by original designation.

Taxonomic history

Diceratoclinea as subgenus of *Dolichoderus*: Donisthorpe, 1943f: 638; Chapman & Capco, 1951: 181.

Diceratoclinea as genus: Brown, 1950e: 249.

Diceratoclinea as junior synonym of *Hypoclinea*: Hölldobler & Wilson, 1990: 17.

Diceratoclinea as junior synonym of *Dolichoderus*: Brown, 1973b: 180 [provisional]; Taylor & Brown, 1985: 93; Shattuck, 1992c: 66; Shattuck, 1994: 40; Bolton, 1994: 26; Bolton, 1995b: 26; Bolton, 2003: 85.

DICHTHORAX [junior synonym of *Temnothorax*]

Dichothonax Emery, 1895c: 323 [as subgenus of *Leptothorax*]. Type-species: *Leptothorax (Dichothonax) pergandi* Emery, 1895c: 323, by subsequent designation of Wheeler, W.M. 1911f: 161.

Taxonomic history

Dichothonax in Myrmicinae, Myrmicini: Ashmead, 1905b: 383.

Dichothonax as genus: Ashmead, 1905b: 383.

Dichothonax as subgenus of *Leptothorax*: Emery, 1895c: 323; Ruzsky, 1905b: 158; Wheeler, W.M. 1910g: 139; Forel, 1917: 245; Wheeler, W.M. 1922a: 679; Emery, 1924d: 260; Donisthorpe, 1943f: 638; Creighton, 1950a: 259; Smith, D.R. 1979: 1395; Mackay, 2000: 272 (in key).

Dichothonax as junior synonym of *Leptothorax*: Brown, 1973b: 180 [provisional]; Bolton, 1982: 319; Ogata, 1991b: 93; Bolton, 1994: 105; Bolton, 1995b: 26.

Dichothonax as junior synonym of *Temnothorax*: Bolton, 2003: 253, 271.

DICHTHADIA [junior synonym of *Dorylus*]

Dichthadia Gerstäcker, 1863: 93. Type-species: *Dichthadia glaberrima* Gerstäcker, 1863: 93 (junior synonym of *Typhlopone laevigata* Smith, F. 1857a: 70), by monotypy.

Taxonomic history

[Type-species not *Dichthadia furcata* Gerstäcker, 1872: 267, unjustified subsequent designation by Ashmead, 1906: 26; noted by Wheeler, W.M. 1911f: 161 (footnote).]

Dichthadia in Dorylinae: Mayr, 1865: 17 [Dorylidae]; Forel, 1878: 365 (footnote) [Dorylidae].

Dichthadia in Dorylidae, Dorylinae, Dorylini: Ashmead, 1905b: 381.

Dichthadia in Dorylinae, Dorylini: Emery, 1910b: 8.

Dichthadia as genus: Gerstäcker, 1863: 93; Mayr, 1863: 407; Roger, 1863b: 42; Mayr, 1865: 17; Ashmead, 1905b: 381; Ashmead, 1906: 26.

Dichthadia as subgenus of *Dorylus*: Emery, 1895j: 702; Forel, 1901a: 464; Emery, 1910b: 8; Wheeler, W.M. 1910g: 137; Forel, 1917: 239; Wheeler, W.M. 1922a: 633; subsequent authors; Bolton, 1995b: 26; Bolton, 2003: 149.

Dichthadia as junior synonym of *Dorylus*: Dalla Torre, 1893: 9; Bingham, 1903: 1; Brown, 1973b: 180 [provisional]; Hölldobler & Wilson, 1990: 11; Tang, J., Li, et al. 1995: 43; Borowiec, M.L. 2016: 112.

[Note: world list of species in former subgenus *D. (Dichthadia)*: Emery, 1910b: 8; Bolton, 1995b: 181.]

DICROASPIS [Myrmicinae: Crematogastrini]

Dicroaspis Emery, 1908b: 184. Type-species: *Dicroaspis cryptocera* Emery, 1908b: 185, by monotypy.

Taxonomic history

Dicroaspis in Myrmicinae, Meranoplini: Forel, 1917: 244; Arnold, 1917: 362; Wheeler, W.M. 1922a: 664; Emery, 1924d: 225; Wheeler, W.M. 1934a: 176; Wheeler, W.M. 1935a: 7 (in key); Donisthorpe, 1943f: 639.

Dicroaspis in Myrmicinae, Calyptomyrmecini: Dlussky & Fedoseeva, 1988: 80.
Dicroaspis in Myrmicinae, Stenammini: Bolton, 1994: 106; Bolton, 1995b: 26; Bolton, 2003: 59, 203.
Dicroaspis in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Carebara* genus group: Blaimer, *et al.* 2018: 7.
Dicroaspis as subgenus of *Calyptomyrmex*: Emery, 1915g: 15; Forel, 1917: 244; Wheeler, W.M. 1922a: 887; Emery, 1924d: 225; Donisthorpe, 1943f: 639.
Dicroaspis as junior synonym of *Calyptomyrmex*: Brown, 1973b: 180 [provisional].
Dicroaspis as genus: Emery, 1908b: 184; Arnold, 1917: 362; Wheeler, W.M. 1922a: 664; Wheeler, W.M. 1935a: 7 (in key); Bolton, 1981a: 56; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 26; Bolton, 2003: 59, 203.
Dicroaspis as senior synonym of *Geognomicus*: Bolton, 1981a: 56; Hölldobler & Wilson, 1990: 13; Bolton, 1994: 106; Bolton, 1995b: 26; Bolton, 2003: 203.
Dicroaspis catalogues: Wheeler, W.M. 1922a: 887; Emery, 1924d: 225; Bolton, 1995b: 171; Fisher & Bolton, 2016: 261 (checklist).
Dicroaspis references: Arnold, 1917: 362 (diagnosis); Emery, 1924d: 225 (diagnosis); Bolton, 1981a: 56 (diagnosis, **all species revision, key**); Fisher & Bolton, 2016: 260 (diagnosis).

DILOBOCONDYLA [Myrmicinae: Crematogastrini]

Dilobocondyla Santschi, 1910h: 283. Type-species: *Atopomyrmex selebensis* Emery, 1898b: 234, by subsequent designation of Wheeler, W.M. 1911f: 162.

Taxonomic history

Dilobocondyla in Myrmicinae, Myrmecinini: Emery, 1912b: 105; Emery, 1914a: 41; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 240 [subtribe Podomyrmini]; subsequent authors;

Dilobocondyla in Myrmicinae, Podomyrmini: Dlussky & Fedoseeva, 1988: 79;

Dilobocondyla in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 26; Bolton, 2003: 70, 245.

Dilobocondyla in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Myrmecina* genus group: Blaimer, *et al.* 2018: 7.

Dilobocondyla as genus: all authors.

Dilobocondyla as senior synonym of *Mesomyrma*: Emery, 1912b: 102; Viehmeyer, 1912: 19 (in list); Forel, 1918a: 724; Wheeler, W.M. 1922a: 677; Emery, 1924d: 240; subsequent authors; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 27; Bolton, 2003: 246.

Dilobocondyla catalogues: Emery, 1924d: 240; Chapman & Capco, 1951: 115 (Asia); Bolton, 1995b: 171.

Dilobocondyla references: Emery, 1924d: 240 (diagnosis); Wheeler, W.M. 1924b: 248 (all species key); Shattuck, 1999: 133 (Australia synopsis); Eguchi, *et al.* 2011: 15 (diagnosis, Vietnam synopsis); Bharti & Kumar, 2013: 42 (**all species key**); Zettel & Bruckner, 2013: 137 (Philippines species key).

DIMORPHOMYRMEX [junior synonym of *Gesomyrmex*]

Dimorphomyrmex André, 1892b: 49. Type-species: *Dimorphomyrmex janeti* André, 1892b: 51 (junior synonym of *Gesomyrmex chaperi* André, 1892b: 47), by monotypy.

Taxonomic history

Dimorphomyrmex in Camponotinae: Dalla Torre, 1893: 176 [Camponotinae]; Emery, 1896e: 187 [Camponotinae].

Dimorphomyrmex in Camponotinae, Camponotini: Forel, 1893a: 165.

Dimorphomyrmex in Camponotinae, Dimorphomyrmecini: Emery, 1895j: 772 [Dimorphomyrmecini]; Wheeler, W.M. 1910g: 143 [Dimorphomyrmecini]; Forel, 1917: 248 [Dimorphomyrmicini].

Dimorphomyrmex in Gesomyrmecinae, Gesomyrmecini: Ashmead, 1905b: 384 [Gesomyrmicini].
Dimorphomyrmex in Camponotinae, Gesomyrmecini: Forel, 1912i: 89.
Dimorphomyrmex in Camponotinae, Oecophyllini: Wheeler, W.M. 1915h: 104.
Dimorphomyrmex in Formicinae, Dimorphomymecini: Wheeler, W.M. 1922a: 694; Emery, 1925b: 46; Donisthorpe, 1943f: 639.
Dimorphomyrmex as genus: Dalla Torre, 1893: 176; Emery, 1896e: 187; Ashmead, 1905b: 384; subsequent authors.
Dimorphomyrmex as junior synonym of *Gesomyrmex*: Wheeler, W.M. 1929a: 1 (in text); Hölldobler & Wilson, 1990: 17; Bolton, 1995b: 27; Bolton, 2003: 108.

DINOMYRMEX [Formicinae: Camponotini]

Dinomyrmex Ashmead, 1905b: 384. Type-species: *Formica gigas* Latreille, 1802c: 105, by original designation.

Taxonomic history

Dinomyrmex in Camponotinae, Camponotini: Ashmead, 1905b: 384.
Dinomyrmex in Formicinae, Camponotini: Bolton, 2003: 114; Ward, Blaimer & Fisher, 2016: 345.
Dinomyrmex as junior synonym of *Camponotus*: Brown, 1973b: 180 [provisional].
Dinomyrmex as subgenus of *Camponotus*: Forel, 1913b: 350; Forel, 1914a: 259; Forel, 1917: 250; Emery, 1920b: 236; Arnold, 1922: 612; Wheeler, W.M. 1922a: 704; Emery, 1925b: 69; subsequent authors; Bolton, 1995b: 27; Bolton, 2003: 114.

Dinomyrmex as genus: Ward, Blaimer & Fisher, 2016: 355.

Dinomyrmex as senior synonym of *Myrmogigas*: Forel, 1913b: 350 (in text); Wheeler, W.M. 1913a: 81; Forel, 1914a: 259; Bolton, 1995b: 27; Bolton, 2003: 114.

[Note: *Dinomyrmex* and *Myrmogigas* share the same type-species, synonymy is therefore absolute.]

DINOPONERA [Ponerinae: Ponerini]

Dinoponera Roger, 1861a: 37. Type-species: *Ponera grandis* Guérin-Méneville, 1838: 206 (junior synonym of *Ponera gigantea* Perty, 1833: 135), by monotypy.

Taxonomic history

Dinoponera in Ponerinae: Mayr, 1862: 714 (in key) [Poneridae]; Mayr, 1865: 14 [Poneridae]; Dalla Torre, 1893: 31 [Ponerinae]; Emery, 1896e: 178 [Ponerinae].

Dinoponera in Pachycondylinae, Ectatommini: Ashmead, 1905b: 382.

Dinoponera in Ponerinae, Ponerini: Emery, 1895j: 767; Forel, 1895b: 113; Wheeler, W.M. 1910g: 135; Emery, 1911d: 63 [subtribe Pachycondylini]; Forel, 1917: 237 [subtribe Pachycondylini]; Wheeler, W.M. 1922a: 647; subsequent authors; Bolton, 1995b: 27; Bolton, 2003: 161; in Ponerini, *Pachycondyla* genus group: Schmidt, C.A. & Shattuck, 2014: 140.

Dinoponera as genus: all authors.

Dinoponera catalogues: Roger, 1863b: 19; Mayr, 1863: 407; Dalla Torre, 1893: 31; Emery, 1911d: 63; Kempf, 1972a: 96; Brandão, 1991: 340; Bolton, 1995b: 171; Schmidt, C.A. & Shattuck, 2014: 143 (species checklist).

Dinoponera references: Mayr, 1865: 14 (diagnosis); Emery, 1911d: 63 (diagnosis); Kempf, 1971: 387 (all species revision, key); Bolton, 1994: 164 (synoptic classification); Bolton, 2003: 161 (synopsis); Fernández, 2008: 139 (all species key); Lenhart, et al. 2013: 131 (all species key); Schmidt, C.A. & Shattuck, 2014: 140 (diagnosis, synopsis); Baccaro, et al. 2015: 320 (genus in Brazil); Escárraga, et al. 2017: 134 (males key); Fernández & Guerrero, 2019: 519 (Colombia species).

DIODONTOLEPIS [junior synonym of *Notoncus*]

Diodontolepis Wheeler, W.M. 1920: 53. Type-species: *Melophorus spinisquamis* André, 1896b: 254, by original designation.

Taxonomic history

Diodontolepis in Formicinae, Melophorini: Wheeler, W.M. 1922a: 694; Emery, 1925b: 11; Wheeler, W.M. 1935c: 71; subsequent authors.

Diodontolepis as junior synonym of *Melophorus*: Emery, 1925b: 11.

Diodontolepis as genus: Wheeler, W.M. 1920: 53; Wheeler, W.M. 1935c: 71; Donisthorpe, 1943f: 639; Wheeler, G.C. & Wheeler, J. 1985: 258.

Diodontolepis as junior synonym of *Notoncus*: Brown, 1955d: 477; Taylor & Brown, 1985: 125; Taylor, 1987a: 47; Taylor, 1992a: 61; Bolton, 1994: 50; Bolton, 1995b: 27; Bolton, 2003: 110.

DIPLOMORIUM [Myrmicinae: Crematogastrini]

Diplomorium Mayr, 1901b: 16. Type-species: *Diplomorium longipenne* Mayr, 1901b: 18, by monotypy.

Taxonomic history

Diplomorium in Myrmicinae, Stenammini: Ashmead, 1905b: 383.

Diplomorium in Myrmicinae, *Monomorium* genus group: Ettershank, 1966: 81.

Diplomorium in Myrmicinae, *Solenopsis* genus group: Bolton, 1987: 271.

Diplomorium in Myrmicinae, Monomoriini: Dlussky & Fedoseeva, 1988: 80.

Diplomorium in Myrmicinae, Solenopsidini: Wheeler, W.M. 1910g: 141; Emery, 1914a: 41 [subtribe Solenopsidini]; Arnold, 1916: 240; Forel, 1917: 243; Emery, 1922e: 194 [subtribe Solenopsidini]; Wheeler, W.M. 1922a: 663; subsequent authors; Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106; Bolton, 1995b: 27; Bolton, 2003: 61, 209.

Diplomorium in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Carebara* genus group: Blaimer, *et al.* 2018: 7.

Diplomorium as genus: all authors.

Diplomorium catalogues: Emery, 1922e: 194; Wheeler, W.M. 1922a: 877; Ettershank, 1966: 98; Bolton, 1995b: 171; Fisher & Bolton, 2016: 263 (checklist).

Diplomorium references: Arnold, 1916: 240 (diagnosis); Emery, 1922e: 194 (diagnosis); Ettershank, 1966: 98 (diagnosis, review of genus, species checklist); Bolton, 1987: 278 (diagnosis, revision of genus, species); Fisher & Bolton, 2016: 262 (diagnosis).

DIPLORHOPTRUM [junior synonym of *Solenopsis*]

Diplorhoptrum Mayr, 1855: 449. Type-species: *Formica fugax* Latreille, 1798: 46, by monotypy.

Taxonomic history

Diplorhoptrum in Myrmicinae: Mayr, 1855: 449 [Myrmicidae]; Mayr, 1861: 72 [Myrmicidae].

Diplorhoptrum in Myrmicinae, Solenopsidini: Emery, 1922e: 195; subsequent authors.

Diplorhoptrum as subgenus of *Myrmica*: Smith, F. 1858b: 122.

Diplorhoptrum as genus: Mayr, 1855: 449; Mayr, 1861: 72; Baroni Urbani, 1968b: 68; Kutter, 1977c: 98; Bernard, 1978a: 543; Arnol'di & Dlussky, 1978: 539; Collingwood, 1979: 64; Dlussky & Fedoseeva, 1988: 80; Kupyanskaya, 1990: 132; Atanasov & Dlussky, 1992: 167; Dlussky & Radchenko, 1994: 102; Baroni Urbani, 1995: 20 (footnote).

Diplorhoptrum as subgenus of *Solenopsis*: Creighton, 1930b: 43; Santschi, 1934e: 566 (in text), 568; Creighton, 1950a: 233; Smith, M.R. 1951a: 813; Kusnezov, 1956: 27; Kusnezov, 1957a: 273; Kusnezov, 1962b: 160; Smith, M.R. 1967: 358.

Diplorhoptrum as junior synonym of *Solenopsis*: Mayr, 1862: 751 (in text); Mayr, 1863: 453; Roger, 1863b: 32; Mayr, 1865: 108; Dours, 1873: 170; Emery & Forel, 1879: 464; Dalla Torre, 1893: 75; Forel, 1915d: 9; Emery, 1916b: 163; Emery, 1922e: 195; Wheeler, W.M. 1922a: 877; Donisthorpe, 1943f: 639; Ettershank, 1966: 134; Kempf, 1972a: 232; Bolton,

1973a: 354; Smith, D.R. 1979: 1384; Bolton, 1987: 285; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 107; Bolton, 1994: 106; Bolton, 1995b: 27; Tang, J., Li, *et al.* 1995: 71; Bolton, 2003: 218.

DISCOTHYREA [Proceratiinae: Proceratiini]

Discothyrea Roger, 1863a: 176. Type-species: *Discothyrea testacea* Roger, 1863a: 177, by monotypy.

Taxonomic history

Discothyrea in Ponerinae: Mayr, 1865: 13 [Poneridae]; Dalla Torre, 1893: 18 [Ponerinae].

Discothyrea in Dorylinae: Emery, 1896e: 175 [Dorylinae].

Discothyrea in Dorylinae, Proceratiini: Emery, 1895j: 765.

Discothyrea in Ponerinae, Proceratiini: Ashmead, 1905b: 382; Wheeler, W.M. 1910g: 136; Emery, 1911d: 51; Forel, 1917: 236; Wheeler, W.M. 1922a: 645; Donisthorpe, 1943f: 640; Chapman & Capco, 1951: 76; Kusnezov, 1964: 51; Wheeler, G.C. & Wheeler, J. 1985: 256; Jaffe, 1993: 8; Lattke, 1994: 112; Bolton, 1995b: 27.

Discothyrea in Ponerinae, Ectatommini: Brown, 1958g: 248; Kempf, 1972a: 97; Smith, D.R. 1979: 1339; Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 10; Brandão, 1991: 340; Bolton, 1994: 164.

Discothyrea in Proceratiinae, Proceratiini: Bolton, 2003: 49, 179.

Discothyrea as genus: all authors.

Discothyrea as senior synonym of *Prodiscothyrea*: Brown, 1958g: 248; Bolton, 1973a: 332; Ogata, 1987: 107; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 27; Bolton, 2003: 179; Hita Garcia, Lieberman, *et al.* 2019: 8.

Discothyrea as senior synonym of *Pseudosysphincta*: Brown, 1958g: 248; Bolton, 1973a: 332; Ogata, 1987: 107; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 27; Bolton, 2003: 179; Hita Garcia, Lieberman, *et al.* 2019: 8.

Discothyrea catalogues: Roger, 1863b: 21; Cresson, 1887: 259 (U.S.A.); Dalla Torre, 1893: 18; Emery, 1911d: 51; Wheeler, W.M. 1922a: 761, 762 (Afrotropical *Discothyrea*, *Pseudosysphincta*); Chapman & Capco, 1951: 76, 77 (Asia *Discothyrea*, *Prodiscothyrea*); Smith, M.R. 1951a: 784 (North America); Kempf, 1972a: 97 (Neotropical); Smith, D.R. 1979: 1339 (North America); Taylor & Brown, 1985: 29 (Australia); Taylor, 1987a: 24 (Australia, New Caledonia & New Zealand); Bolton, 1995b: 171; Fisher & Bolton, 2016: 265 (Afrotropical, Malagasy checklist).

Discothyrea references: Mayr, 1865: 13 (diagnosis); Emery, 1911d: 51 (diagnosis); Arnold, 1916: 159 (diagnosis); Weber, 1939a: 99 (Neotropical species key); Brown, 1958g: 248 (review of genus); Brown, 1958h: 19 (New Zealand species); Ogata, 1987: 107 (diagnosis, Japan); Morisita, *et al.* 1989: 16 (Japan species key); Lattke, 1994: 113 (Neotropical species); Bolton, 1995a: 1049 (census); Shattuck, 1999: 184 (Australia synopsis); Bolton, 2003: 179 (synopsis); Sosa-Calvo & Longino, 2008: 223 (Colombia species key); Yoshimura & Fisher, 2009: 9 (Malagasy males diagnosis); Terayama, 2009: 98 (Taiwan species key); Heterick, 2009: 143 (south-western Australia species key); Sarnat & Economo, 2012: 164 (Fiji Is species key); Eguchi, *et al.* 2014: 42 (diagnosis, Vietnam synopsis); Xu, *et al.* 2014a: 34 (Oriental species key); Baccaro, *et al.* 2015: 344 (genus in Brazil); Fisher & Bolton, 2016: 264 (diagnosis); Escárraga, Longino & Sosa-Calvo, 2019: 686 (Colombia species key); Hita Garcia, Lieberman, *et al.* 2019: 13 (**Afrotropical species revision, key**).

DISOLENOPSIS: incorrect subsequent spelling of *Bisolenopsis*.

***DLUSSKYIDRIS** [*incertae sedis* in Formicidae]

Dlusskyidris Bolton, 1994: 187.

Taxonomic history

[Replacement name for **Palaeomyrmex* Dlussky, 1975: 118; junior homonym of **Palaeomyrmex* Heer, 1865: 91 (Homoptera).]

**Dlusskyidris* in **Sphecomyrminae*: Bolton, 1994: 187; Bolton, 1995b: 27; Grimaldi, *et al.* 1997: 7.

**Dlusskyidris* in **Sphecomyrminae*, **Sphecomyrmini*: Bolton, 2003: 74, 261; Barden, 2017: 2.

**Dlusskyidris incertae sedis* in Formicidae: Borysenko, 2017: 14.

**Dlusskyidris* as genus: all authors.

***Dlusskyidris catalogues:** Bolton, 1995b: 172.

***Dlusskyidris references:** Grimaldi, *et al.* 1997: 9 (review of genus); Barden, 2017: 2 (checklist).

DODECAMYRMICA [junior synonym of *Myrmica*]

Dodecamyrmica Arnol'di, 1968: 1803 [as subgenus of *Myrmica*]. Type-species: *Myrmica arnoldii* Dlussky, 1963: 191, by original designation.

Taxonomic history

Dodecamyrmica as junior synonym of *Myrmica*: Brown, 1973b: 180 [provisional]; Francoeur, 1981: 759; Bolton, 1988a: 4; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 75; Bolton, 1995b: 27; Tang, J., Li, *et al.* 1995: 48; Bolton, 2003: 222; Radchenko & Elmes, 2010: 52.

DODOUS [junior synonym of *Pristomyrmex*]

Dodus Donisthorpe, 1946f: 145. Type-species: *Dodus trispinosus* Donisthorpe, 1946f: 145, by original designation.

Taxonomic history

Dodus in Myrmicinae, Solenopsidini: Donisthorpe, 1946f: 145.

Dodus as junior synonym of *Pristomyrmex*: Brown, 1971a: 3; Bolton, 1973a: 348; Bolton, 1981b: 282; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 122; Bolton, 1995b: 27; Tang, J., Li, *et al.* 1995: 61; Bolton, 2003: 256.

DOLEROMYRMA [Dolichoderinae: Leptomyrmecini]

Doleromyrma Forel, 1907a: 28 [as subgenus of *Tapinoma*]. Type-species: *Tapinoma (Doleromyrma) darwinianum* Forel, 1907a: 28, by monotypy.

Taxonomic history

Doleromyrma in Dolichoderinae, Tapinomini: Emery, 1913a: 22; Donisthorpe, 1943f: 640; Hölldobler & Wilson, 1990: 17.

Doleromyrma in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 60; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 19, 84.

Doleromyrma in Dolichoderinae, Leptomyrmecini: Ward, *et al.* 2010: 361.

Doleromyrma as subgenus of *Tapinoma*: Forel, 1907a: 28; Wheeler, W.M. 1910g: 142.

Doleromyrma as subgenus of *Iridomyrmex*: Forel, 1912a: 81.

Doleromyrma as junior synonym of *Iridomyrmex*: Emery, 1913a: 22; Wheeler, W.M. 1922a: 689; Donisthorpe, 1943f: 640; Bolton, 1973a: 359; Smith, D.R. 1979: 1417; Hölldobler & Wilson, 1990: 17; Tang, J., Li, *et al.* 1995: 89.

Doleromyrma as genus: Shattuck, 1992a: 14; Shattuck, 1994: 38; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 84.

Doleromyrma catalogues: Shattuck, 1994: 38; Bolton, 1995b: 172.

Doleromyrma references: Shattuck, 1992a: 14 (diagnosis); Shattuck, 1992c: 60 (diagnosis, review of genus); Shattuck, 1999: 67 (Australia synopsis); Heterick, 2009: 44 (south-western Australia species key).

DOLICHODERUS [Dolichoderinae: Dolichoderini]

Dolichoderus Lund, 1831a: 130. Type-species: *Formica attelaboides* Fabricius, 1775: 394, by monotypy.

Taxonomic history

Dolichoderus in Formicidae: Smith, F. 1858b: 75.

Dolichoderus in Formicinae: Mayr, 1862: 652 (in key) [Formicidae]; Mayr, 1865: 9 [Formicidae].

Dolichoderus in Dolichoderidae: Ashmead, 1905b: 384.

Dolichoderus in Dolichoderinae: Forel, 1878: 386 [Dolichoderidae]; Emery & Forel, 1879: 455 [Dolichoderidae]; Dalla Torre, 1893: 156 [Dolichoderinae]; Forel, 1895b: 107 [Dolichoderidae]; Emery, 1895j: 771; Forel, 1895e: 462; Emery, 1896e: 186 [Dolichoderinae]; Forel, 1899c: 98; Wheeler, W.M. 1910g: 142.

Dolichoderus in Dolichoderinae, Dolichoderini: Emery, 1913a: 7; Wheeler, W.M. 1915h: 77; Emery, 1916b: 209; Forel, 1917: 247; Wheeler, W.M. 1922a: 688; subsequent authors; Bolton, 1995b: 27; Bolton, 2003: 19, 84; Ward, *et al.* 2010: 361.

Dolichoderus as genus: all authors.

Dolichoderus as senior synonym of *Acanthoclinea*: Brown, 1973b: 178 [provisional]; Taylor & Brown, 1985: 93; Shattuck, 1992c: 66; Shattuck, 1994: 40; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 85.

Dolichoderus as senior synonym of *Diabolus*: Shattuck, 1992c: 66; Bolton, 1995b: 27; Bolton, 2003: 86.

Dolichoderus as senior synonym of *Diceratoclinea*: Brown, 1973b: 180 [provisional]; Taylor & Brown, 1985: 93; Shattuck, 1992c: 66; Shattuck, 1994: 40; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 85.

Dolichoderus as senior synonym of *Hypoclinea*: Forel, 1878: 386; Emery & Forel, 1879: 455; Dalla Torre, 1893: 156; Bingham, 1903: 291; Ruzsky, 1905b: 129; Brown, 1973b: 181 [provisional]; Shattuck, 1992c: 66; Mackay, 1993b: 6; Shattuck, 1994: 39; Bolton, 1994: 26; Bolton, 1995b: 27; Xu, 1995a: 34; Bolton, 2003: 85.

Dolichoderus as senior synonym of *Karawajewella*: Brown, 1973b: 181 [provisional]; Shattuck, 1992c: 66; Shattuck, 1994: 39, 40; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 85.

Dolichoderus as senior synonym of *Monacis*: Forel, 1878: 386; Emery & Forel, 1879: 455; Dalla Torre, 1893: 156; Ruzsky, 1905b: 129; Brown, 1973b: 182 [provisional]; Shattuck, 1992c: 66; Mackay, 1993b: 6; Shattuck, 1994: 39; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 85.

Dolichoderus as senior synonym of *Monoceratoclinea*: Shattuck, 1992c: 66; Shattuck, 1994: 40; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 85.

Dolichoderus catalogues: Mayr, 1863: 407, 423 (*Dolichoderus*, *Hypoclinea*); Roger, 1863b: 10, 14, 15 (*Dolichoderus*, *Hypoclinea*, *Monacis*); Emery & Forel, 1879: 455 (Europe); Cresson, 1887: 258 (U.S.A.); Dalla Torre, 1893: 156; Emery, 1913a: 9, 10 (*D. (Monacis)*, *D. (Hypoclinea)*); Chapman & Capco, 1951: 181 (Asia); Smith, M.R. 1951a: 833 (North America); Kempf, 1972a: 98, 118, 141 (Neotropical *Dolichoderus*, *Hypoclinea*, *Monacis*); Smith, D.R. 1979: 1415 (North America); Taylor & Brown, 1985: 93 (Australia); Taylor, 1987a: 24 (Australia, New Caledonia); Brandão, 1991: 340, 347, 356 (Neotropical); Shattuck, 1994: 39; Bolton, 1995b: 172.

Dolichoderus references: Mayr, 1865: 9 (*Dolichoderus*, *Hypoclinea* diagnoses); Mayr, 1867a: 75 (*Hypoclinea* diagnosis); Mayr, 1868b: 54 (*Baltic Amber species key); Mayr, 1870b: 955 (*Hypoclinea* species key); Mayr, 1876: 79 (Australia species key); André, 1882b: 225 (Europe & Algeria species); Mayr, 1886d: 435 (U.S.A. species key); Forel, 1895e: 462 (India & Sri Lanka species key); Bingham, 1903: 292 (India, Sri Lanka & Burma species key); Wheeler, W.M. 1905d: 306 (North America species key); Emery, 1913a: 7 (diagnosis, subgenera key); Mann, 1916: 460 (Brazil *D. (Dolichoderus)* species key); Emery, 1916b: 210 (Italy species); Wheeler, W.M. 1922a: 688 (subgenera key); Clark, 1930b: 253 (Australia *D. (Hypoclinea)* species key); Creighton, 1950a: 333 (*D. (Hypoclinea)* Nearctic species key); Kempf, 1959b: 230 (*Monacis* all species revision, key); Wheeler, J. 1963: 149 (U.S.A., North Dakota species key); Bernard, 1967: 249 (diagnosis); Kempf, 1969: 292 (*D. (Dolichoderus)* Neotropical species key); Kempf, 1972c: 253 (*Monacis*

species, additions to 1959a key); Harada, 1987: 602 (*Monacis all species key*); Lattke, 1987b: 263 (Neotropical *D. bispinosus* group, key); Dlussky & Fedoseeva, 1988: 78 (synoptic classification); Johnson, 1989a: 5 (U.S.A. species key); Hölldobler & Wilson, 1990: 17 (synoptic classification); Shattuck, 1992c: 66 (diagnosis, review of genus); Mackay, 1993b: 17 (**New World all species revision, key**); Radchenko, 1994b: 112 (South Siberia species key); Bolton, 1995a: 1049 (census); Wu, J. & Wang, 1995: 120 (China species key); Xu, 1995a: 34 (China species key); Dlussky, 1997: 52 (in Baltic amber genera key); Shattuck, 1999: 68 (Australia synopsis); Xu, 2001b: 356 (China species key); Zhou, 2001b: 153 (China, Guangxi species key); Dill, 2002: 21, 30 (southeast Asia species groups key, *D. cuspidatus* group revision, key); Dlussky & Rasnitsyn, 2002: 416 (diagnosis for impression fossils); Dlussky, 2002b: 54 (Baltic & Rovno amber species); Dlussky, 2008b: 509 (Europe Eocene amber species key); Heterick, 2009: 45 (south-western Australia species key); Ward, *et al.* 2010: 361 (phylogeny); Ortiz & Fernández, 2011: 24 (Colombia species key); Ortega-De Santiago & Vásquez-Bolaños, 2012: 1008 (Mexico species key); Shattuck & Marsden, 2013: 105 (**Australia all species revision, key**); Dlussky & Perfilieva, 2014: 412 (rock fossil diagnosis); Baccaro, *et al.* 2015: 132 (genus in Brazil); Dubovikoff & Coronado-Blanco, 2017: 1330 (Mexico species key); Guerrero, 2019: 697 (Colombia species key).

***DOLICHOFORMICA** [*Nomen nudum*]

***Dolichoformica** Grimaldi & Engel, 2005: 446 (in table). *Nomen nudum*. Type-species: ***Dolichoformica helferi** Grimaldi & Engel, 2005: 446 (in table). *Nomen nudum*.

***DOLICHOMYRMA** [*incertae sedis* in Aculeata]

***Dolichomyrma** Dlussky, 1975: 121. Type-species: ***Dolichomyrma longiceps** Dlussky, 1975: 121, by original designation.

Taxonomic history

***Dolichomyrma incertae sedis** in Formicidae: Dlussky, 1975: 121.

***Dolichomyrma** in *Armaniidae: Dlussky, 1983: 66; Dlussky & Fedoseeva, 1988: 77; Grimaldi, *et al.* 1997: 7.

***Dolichomyrma incertae sedis** in *Sphecomyrminae: Wilson, 1987: 49.

***Dolichomyrma** in *Armaniinae, *Armaniini: Bolton, 1994: 187; Bolton, 1995b: 27; Bolton, 2003: 73, 260.

***Dolichomyrma** as junior synonym of ***Sphecomyrma**: Wilson, 1987: 49; Hölldobler & Wilson, 1990: 9.

***Dolichomyrma** as genus: Dlussky, 1975: 121; Dlussky, 1983: 66; Dlussky & Fedoseeva, 1988: 77; Carpenter, 1992: 491; Bolton, 1994: 187; Bolton, 1995b: 27; Grimaldi, *et al.* 1997: 7; Bolton, 2003: 73, 260; Borysenko, 2017: 20.

***Dolichomyrma excluded from Formicidae, incertae sedis** in Hymenoptera, Aculeata: Borysenko, 2017: 20.

***Dolichomyrma catalogues**: Bolton, 1995b: 177.

***Dolichomyrma references**: Grimaldi, *et al.* 1997: 5 (notes).

DOLICHORHACHIS [junior synonym of *Hedomyrma*]

Dolichorhachis Mann, 1919: 386 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis (Dolichorhachis) malaensis* Mann, 1919: 386, by monotypy.

Taxonomic history

Dolichorhachis as subgenus of *Polyrhachis*: Mann, 1919: 386; Wheeler, W.M. 1922a: 702; Emery, 1925b: 188; Donisthorpe, 1943f: 640; Bolton, 1995b: 27.

Dolichorhachis as junior synonym of *Hedomyrma*: Dorow, 1995: 26; Bolton, 2003: 124.

DOLIOPONERA [Ponerinae: Ponerini]

Dolioponera Brown, 1974e: 31. Type-species: *Dolioponera fustigera* Brown, 1974e: 32, by original designation.

Taxonomic history

Dolioponera in Ponerinae, Ponerini: Brown, 1974e: 31; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 27; Bolton, 2003: 44, 162; in Ponerini, *incertae sedis* in *Plectroctena* genus group: Schmidt, C.A. & Shattuck, 2014: 168.

Dolioponera as genus: all authors.

Dolioponera catalogues: Bolton, 1995b: 177; Schmidt, C.A. & Shattuck, 2014: 170 (species checklist); Fisher & Bolton, 2016: 266 (checklist).

Dolioponera references: Fisher, 2006: 116 (review of genus); Schmidt, C.A. & Shattuck, 2014: 168 (diagnosis, synopsis); Fisher & Bolton, 2016: 265 (diagnosis).

DOLOPHRA [junior synonym of *Colobopsis*]

Dolophra Wu, J. & Wang, 1994: 35. Type-species: *Dolophra politae* Wu, J. & Wang, 1994: 37, by original designation.

Taxonomic history

Dolophra as genus: Wu, J. & Wang, 1994: 35; Wu, J. & Wang, 1995: 158.

Dolophra as junior synonym of *Camponotus*: Bolton, 1995b: 23.

Dolophra as junior synonym of *Camponotus* (*Colobopsis*): Bolton, 2003: 113, 268.

DOLOPOMYRMEX [Myrmicinae: Solenopsidini]

Dolopomyrmex Cover & Deyrup, 2007: 90. Type-species: *Dolopomyrmex pilatus* Cover & Deyrup, 2007: 92, by original designation.

Taxonomic history

[*Dolopomyrmex* Fisher & Cover, 2007: 83. Unavailable name (stated as such).]

Dolopomyrmex in Myrmicinae, Solenopsidini: Cover & Deyrup, 2007: 90; Ward, *et al.* 2015: 77.

DONISTHORPEA [junior synonym of *Lasius*]

Donisthorpea Morice & Durrant, 1915: 423. Type-species: *Formica nigra* Linnaeus, 1758: 580, by original designation.

Taxonomic history

[Unnecessary replacement name for *Lasius* Fabricius, 1804: 415.]

Donisthorpea in Formicinae, Acanthomyopsini: Donisthorpe, 1943f: 640; Donisthorpe, 1946g: 91.

Donisthorpea as genus: Morice & Durrant, 1915: 423; Donisthorpe, 1915d: 184.

Donisthorpea as subgenus of *Formicina*: Emery, 1916a: 11; Emery, 1916b: 240; Wheeler, W.M. 1916k: 170.

Donisthorpea as subgenus of *Acanthomyops*: Donisthorpe, 1927b: 229; Donisthorpe, 1943f: 640; Donisthorpe, 1946g: 91.

Donisthorpea as junior synonym of *Acanthomyops*: Forel, 1916: 460; Morice & Durrant, 1917: 442; Donisthorpe, 1927b: 209.

Donisthorpea as junior synonym of *Lasius*: Wheeler, W.M. 1916k: 172; Wheeler, W.M. 1922a: 698; Emery, 1925b: 226; Wilson, 1955a: 11; Smith, D.R. 1979: 1435; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 27; Tang, J., Li, *et al.* 1995: 108.

[Note: *Lasius* and *Donisthorpea* share the same type-species; synonymy is therefore absolute.]

DORISIDRIS [junior synonym of *Strumigenys*]

Dorisidris Brown, 1948e: 116. Type-species: *Strumigenys (Codiomyrmex) nitens* Santschi, 1932e: 413, by original designation.

Taxonomic history

Dorisidris in Myrmicinae, Dacetini, Strumigeniti: Brown & Wilson, 1959b: 283; Brandão, 1991: 391.

Dorisidris in Myrmicinae, Dacetini: Brown, 1948e: 116; Kempf, 1972a: 98; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 27.

Dorisidris as genus: Brown & Wilson, 1959b: 282; Kempf, 1972a: 98; Hölldobler & Wilson, 1990: 13; Brandão, 1991: 391; Bolton, 1995b: 27.

Dorisidris as junior synonym of *Pyramica*: Bolton, 1999: 1668; Bolton, 2000: 91; Bolton, 2003: 190.

Dorisidris as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 14; Baroni Urbani & De Andrade, 2007: 102.

DORONOMYRMEX [junior synonym of *Leptothorax*]

Doronomymrmex Kutter, 1945: 485. Type-species: *Doronomymrmex pacis* Kutter, 1945: 486, by monotypy.

Taxonomic history

Doronomymrmex in Myrmicinae, Leptothoracini: Dlussky & Fedoseeva, 1988: 79.

Doronomymrmex in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 27.

Doronomymrmex as genus: Dlussky & Fedoseeva, 1988: 79; Hölldobler & Wilson, 1990: 13; Bolton, 1994: 105; Bolton, 1995b: 27.

Doronomymrmex as junior synonym of *Leptothorax*: Brown, 1973b: 180 [provisional]; Heinze, 1998: 195; Bolton, 2003: 247, 270.

DOROTHEA [junior synonym of *Vollenhovia*]

Dorothea Donisthorpe, 1948c: 65. Type-species: *Dorothea novobritainae* Donisthorpe, 1948c: 65, by monotypy.

Taxonomic history

Dorothea as junior synonym of *Vollenhovia*: Ettershank, 1966: 146; Hölldobler & Wilson, 1990: 16; Ogata, 1991b: 114; Bolton, 1995b: 27; Tang, J., Li, et al. 1995: 63; Bolton, 2003: 206.

DORYLOZELUS [junior synonym of *Leptogenys*]

Dorylozelus Forel, 1915b: 24. Type-species: *Dorylozelus mjobergi* Forel, 1915b: 25 (junior secondary homonym; replacement name: *Leptogenys tricosa* Taylor, 1969: 132), by monotypy.

Taxonomic history

Dorylozelus in Ponerinae, Ponerini: Forel, 1917: 238 [subtribe Ponerini].

Dorylozelus in Ponerinae, Dorylozelini: Wheeler, W.M. 1922a: 646; Donisthorpe, 1943f: 640.

Dorylozelus incertae sedis in Ponerinae, Amblyoponini: Brown, 1960a: 181.

Dorylozelus as genus: Forel, 1917: 238; Wheeler, W.M. 1922a: 646; Donisthorpe, 1943f: 640; Brown, 1960a: 181.

Dorylozelus as junior synonym of *Leptogenys*: Taylor, 1969: 132; Bolton, 1973a: 337; Bolton, 1975a: 240; Smith, D.R., 1979: 1343; Ogata, 1987: 123; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 27; Tang, J., Li, et al. 1995: 35; Xu, 2000a: 223; Bolton, 2003: 163; Schmidt, C.A. & Shattuck, 2014: 92.

DORYLUS [Dorylinae]

Dorylus Fabricius, 1793: 365. Type-species: *Vespa helvola* Linnaeus, 1764: 412, by monotypy.

Taxonomic history

Dorylus in Mutillidae: Latreille, 1802a: 352 [Mutillariae]; Latreille, 1809: 123 [Mutillariae]; Latreille, 1810: 313 [Mutillariae], Latreille, 1817b: 555 [mutillaires].

Dorylus in Formicariae: Latreille, 1804: 179.

Dorylus in Formicites: Lepeletier de Saint-Fargeau, 1835: 226 (in text) [Heterogynides, Formicites].

Dorylus in Dorylidae: Leach, 1815: 147 [Dorylida]; Shuckard, 1840b: 268 [Dorylidae]; Smith, F. 1859b: 1 [Dorylidae]; Smith, F. 1871a: 335 [Dorylidae].

Dorylus in Dorylidae, Dorylinae, Dorylini: Ashmead, 1905b: 381.

Dorylus in Dorylinae, Dorylini: Forel, 1893a: 163; Emery, 1895j: 764 [Dorylili]; Wheeler, W.M. 1910g: 137; Emery, 1910b: 5; Arnold, 1915: 113; Forel, 1917: 239; Wheeler, W.M. 1922a: 633; subsequent authors; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 27; Bolton, 2003: 37, 148.

Dorylus in Dorylinae: Mayr, 1865: 17 [Dorylidae]; Forel, 1878: 365 (footnote) [Dorylidae]; Dalla Torre, 1893: 9 [Dorylinae]; Emery, 1896e: 174 [Dorylinae]; Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 112.

Dorylus as genus: all authors.

Dorylus as senior synonym of *Alaopone*: Dalla Torre, 1893: 9; Bingham, 1903: 1; Hölldobler & Wilson, 1990: 11; Tang, J., Li, *et al.* 1995: 43; Borowiec, M.L. 2016: 112.

Dorylus as senior synonym of *Anomma*: Hölldobler & Wilson, 1990: 11; Tang, J., Li, *et al.* 1995: 43; Borowiec, M.L. 2016: 112.

Dorylus as senior synonym of *Cosmaecetes*: Dalla Torre, 1893: 9; Bolton, 1973a: 357; Hölldobler & Wilson, 1990: 11; Tang, J., Li, *et al.* 1995: 43; Borowiec, M.L. 2016: 112.

Dorylus as senior synonym of *Dichthadia*: Dalla Torre, 1893: 9; Bingham, 1903: 1; Brown, 1973b: 180 [provisional]; Hölldobler & Wilson, 1990: 11; Tang, J., Li, *et al.* 1995: 43; Borowiec, M.L. 2016: 112.

Dorylus as senior synonym of *Rhogmus*: Brown, 1973b: 184 [provisional]; Hölldobler & Wilson, 1990: 11; Tang, J., Li, *et al.* 1995: 43; Borowiec, M.L. 2016: 112.

Dorylus as senior synonym of *Shuckardia*: Bolton, 1973a: 357; Hölldobler & Wilson, 1990: 11; Tang, J., Li, *et al.* 1995: 43; Borowiec, M.L. 2016: 112.

Dorylus as senior synonym of *Sphegomyrmex*: Bolton, 1973a: 357; Hölldobler & Wilson, 1990: 11; Tang, J., Li, *et al.* 1995: 43; Borowiec, M.L. 2016: 112.

Dorylus as senior synonym of *Typhlopone*: Dalla Torre, 1893: 9; Bingham, 1903: 1; Brown, 1973b: 185 [provisional]; Hölldobler & Wilson, 1990: 11; Tang, J., Li, *et al.* 1995: 43; Borowiec, M.L. 2016: 112.

[Note (i): all subgenera were given as provisional junior synonyms of *Dorylus* by Brown, 1973b: 178-184. The list was repeated in Hölldobler & Wilson, 1990: 11 with all subgenera listed as junior synonyms (copied by Tang, J., Li, *et al.* 1995). The taxa reverted to subgeneric status in Bolton, 1994: 35; Bolton, 1995b: 27, pending revision, and were formally synonymised by Borowiec, M.L. 2016: 112.]

[Note (ii): world list of species in former subgenus *D.* (*Dorylus*): Emery, 1910b: 9; Bolton, 1995b: 181.]

Dorylus catalogues: Mayr, 1863: 394, 407, 408, 453, 457 (*Anomma*, *Dichthadia*, *Dorylus*, *Rhogmus*, *Typhlopone*); Roger, 1863b: 20, 20, 41, 42, 42 (*Typhlopone*, *Anomma*, *Dorylus*, *Rhogmus*, *Dichthadia*); Emery & Forel, 1879: 465 (Europe *Typhlopone*); Dalla Torre, 1893: 8, 8, 9 (*Rhogmus*, *Anomma*, *Dorylus*)); Emery, 1910b: 8, 9, 10, 12, 13, 14 (*D.* (*Dichthadia*), *D.* (*Dorylus*)), *D.* (*Anomma*), *D.* (*Typhlopone*), *D.* (*Rhogmus*), *D.* (*Alaopone*)); Wheeler, W.M. 1922a: 727, 735, 742, 745, 747 (Afrotropical *D.* (*Dorylus*)), *D.* (*Anomma*), *D.* (*Typhlopone*), *D.* (*Rhogmus*), *D.* (*Alaopone*)); Chapman & Capco, 1951: 9 (Asia); Bolton, 1995b: 177; Borowiec, M.L. 2016: 121 (species checklist); Fisher & Bolton, 2016: 269 (Afrotropical checklist).

Dorylus references: Shuckard, 1840a: 195 (genera key); Smith, F. 1858b: 110, 112 (*Typhlopone*, *Anomma* diagnoses); Mayr, 1861: 52 (*Typhlopone* diagnosis); Mayr, 1865: 16, 17 (Dorylinae, *Typhlopone*, *Anomma*, *Dorylus*, *Rhogmus*, *Dichthadia* diagnoses); Mayr, 1867a: 91 (*Typhlopone* diagnosis); Forel, 1878: 365 (diagnosis); André, 1882c: 251 (Europe & Algeria species key); Emery, 1895j: 699, 701, 706; 764 (diagnosis genus, subgenera, **all species key**; diagnoses subfamily & tribe); Forel, 1901a: 462 (subgenera key); Bingham, 1903: 2 (diagnosis, India, Sri Lanka & Burma species key); Ashmead, 1906: 22, 25, 26 (subfamilies, tribes & genera keys);

Wheeler, W.M. 1910g: 137 (diagnosis); Emery, 1910b: 4 (diagnosis, tribes, key); Santschi, 1912b: 154 (*D. (Anomma)* species key); Arnold, 1915: 113, 114, 115 125, 129, 133 (tribes key, *Dorylus* subgenera key, South Africa *D. (Dorylus)* species key, *D. (Typhlopone)*, *D. (Rhogmus)*, *D. (Alaopone)*); Forel, 1917: 239 (synoptic classification); Santschi, 1919b: 231 (*D. (Rhogmus)* males key,); Forel, 1921c: 135 (diagnosis); Wheeler, W.M. 1922a: 39, 41, 633 (subfamily & genus diagnoses, tribes & subgenera key); Morley, 1939: 114 (phylogeny); Santschi, 1939a: 152 (*D. (Alaopone)* species, males key); Brown & Nutting, 1950: 123 (venation & phylogeny); Brown, 1954e: 28 (phylogeny); Raignier & van Boven, 1955: 86, 114 (*D. (Anomma)* species key); Borgmeier, 1955: 57 (tribes key); Eisner, 1957: 478 (proventriculus morphology); Wilson, 1964a: 436 (**Indo-Australian species key**); Gotwald, 1969: 49 (mouthparts morphology); Wheeler, G.C. & Wheeler, J. 1972a: 36 (diagnosis); Kempf, 1972a: 265 (Neotropical, synoptic classification); van Boven, 1972: 142 (*D. (Anomma)* queens key); Brown, 1973b: 166 (genera & distribution); van Boven, 1975: 196 (*D. (Dorylus)* queens key); Wheeler, G.C. & Wheeler, J. 1976b: 46 (larvae, review & synthesis); Smith, D.R. 1979: 1326 (North America); Gotwald & Burdette, 1981: 78 (phylogeny); Snelling, R.R. 1981: 390 (synoptic classification); Gotwald & Schaefer, 1982: 187 (*D. (Anomma)* morphology); Gotwald, 1982: 168 (*Dorylus* subgenera key); Barr & Gotwald, 1982: 2652 (phenetic affinities of males); Wheeler, G.C. & Wheeler, J. 1985: 256 (synoptic classification); Billen, 1986: 168 (Dufour's gland); Dlussky & Fedoseeva, 1988: 79 (synoptic classification); Hölldobler & Wilson, 1990: 9 (synoptic classification, world genera, keys); Bolton, 1990c: 1357 (diagnosis, morphology, phylogeny); Baroni Urbani, *et al.* 1992: 316 (phylogeny); Xu, 1994a: 118 (China species key); Bolton, 1994: 35 (diagnosis, synoptic classification); Bolton, 1995a: 1049 (census); Hölldobler, Obermayer & Peeters, 1996: 158 (metatibial gland); Perfilieva, 2002: 1239 (venation); Brady, 2003: 6575 (phylogeny); Bolton, 2003: 36, 147 (diagnosis, synopsis); Brady & Ward, 2005: 593 (phylogeny); Moreau, Bell, *et al.* 2006: 102 (phylogeny); Brady, Schultz, *et al.* 2006: 18173 (phylogeny); Ward, 2007a: 555 (classification); Keller, 2011: 1 (morphology, phylogeny); Brady, *et al.* 2014: 4 (phylogeny); Eguchi, *et al.* 2014: 21 (diagnosis, Vietnam synopsis); Borowiec, M.L. 2016: 112, 117 (diagnosis, species groups); Fisher & Bolton, 2016: 268 (diagnosis).

DORYMYRMEX [Dolichoderinae: Leptomyrmecini]

Dorymyrmex Mayr, 1866a: 494. Type-species: *Dorymyrmex flavescens* Mayr, 1866a: 495, by monotypy.

Taxonomic history

[Type-species not *Formica flavescens* Fabricius, 1793: 353; incorrect subsequent designation by Wheeler, W.M. 1911f: 162.]

Dorymyrmex in Formicinae: Mayr, 1866a: 494 [Formicidae].

Dorymyrmex in Dolichoderinae: Forel, 1878: 383 [Dolichoderidae]; Dalla Torre, 1893: 167 [Dolichoderinae]; Emery, 1895j: 771; Emery, 1896e: 187 [Dolichoderinae]; Forel, 1899c: 103; Wheeler, W.M. 1910g: 142.

Dorymyrmex in Dolichoderidae: Ashmead, 1905b: 384.

Dorymyrmex in Dolichoderinae, Tapinomini: Emery, 1913a: 36; Forel, 1917: 248; Wheeler, W.M. 1922a: 689; Donisthorpe, 1943f: 640; Kempf, 1972a: 99; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 340; Jaffe, 1993: 9.

Dorymyrmex in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 77; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 19, 86.

Dorymyrmex in Dolichoderinae, Leptomyrmecini: Ward, *et al.* 2010: 361.

Dorymyrmex as genus: all authors.

Dorymyrmex as senior synonym of *Ammomyrma*: Shattuck, 1992c: 77; Shattuck, 1994: 73; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 87.

Dorymyrmex as senior synonym of *Araucomyrmex*: Brown, 1973b: 178 [provisional]; Shattuck, 1992c: 77; Shattuck, 1994: 73; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 86.

Dorymyrmex as senior synonym of *Biconomyrma*: Shattuck, 1992c: 78; Shattuck, 1994: 73; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 87.

Dorymyrmex as senior synonym of *Conomyrma*: Brown, 1973b: 179 [provisional]; Shattuck, 1992c: 77; Shattuck, 1994: 73; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 86.

Dorymyrmex as senior synonym of *Psammomyrma*: Forel, 1913b: 350 (in text); Santschi, 1922b: 365; Wheeler, W.M. 1922a: 689; Snelling, R.R. & Hunt, 1976: 93; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 340; Shattuck, 1992c: 77; Shattuck, 1994: 73; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 86.

Dorymyrmex as senior synonym of *Spinomyrma*: Snelling, R.R. & Hunt, 1976: 93; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 340; Shattuck, 1992c: 78; Shattuck, 1994: 74; Bolton, 1994: 26; Bolton, 1995b: 27; Bolton, 2003: 87.

Dorymyrmex catalogues: Cresson, 1887: 257 (U.S.A.); Dalla Torre, 1893: 167; Emery, 1913a: 36; Smith, M.R. 1951a: 836 (North America); Kempf, 1972a: 25, 78, 99 (Neotropical *Araucomyrmex*, *Conomyrma*, *Dorymyrmex*); Smith, D.R. 1979: 1419 (North America); Brandão, 1991: 327, 338, 340 (Neotropical *Araucomyrmex*, *Conomyrma*, *Dorymyrmex*); Shattuck, 1994: 73; Bolton, 1995b: 181.

Dorymyrmex references: Mayr, G. 1868a: 165 (diagnosis); Forel, 1878: 383 (diagnosis); André, 1903: 364 (species key); Emery, 1913a: 36 (diagnosis); Gallardo, 1916a: 21 (Argentina species key); Santschi, 1922b: 364 (history of genus); Wheeler, W.M. 1922a: 689 (subgenera key); Cole, 1942: 371 (U.S.A., Utah species key); Creighton, 1950a: 348 (**Nearctic species key**); Kusnezov, 1952g: 428 (subgenera key); Snelling, R.R. 1973b: 1 (U.S.A. *Conomyrma* species, revision); Snelling, R.R. & Hunt, 1976: 96 (Chile *Araucomyrmex* species key); Allred, 1982: 444 (U.S.A., Utah *Conomyrma* species key); Wheeler, G.C. & Wheeler, J. 1986g: 57 (U.S.A., Nevada *Conomyrma* species key); Trager, 1988: 14 (Southeastern U.S.A. *Conomyrma* species revision, key); Johnson, 1989b: 191 (U.S.A. *Conomyrma* species revision, key); Shattuck, 1992c: 77 (diagnosis, review of genus); Snelling, R.R. 1995: 9 (U.S.A. species revision, key); Bolton, 1995a: 1049 (census); Mackay & Mackay, 2002: 222 (U.S.A., New Mexico species key); Cuezzo & Guerrero, 2012: 4 (Colombia species key); Baccaro, *et al.* 2015: 134 (genus in Brazil); Guerrero, 2019: 708 (Colombia species key).

DREPANOGNATHUS [junior synonym of *Harpegnathos*]

Drepanognathus Smith, F. 1858b: 81. Type-species: *Harpegnathos saltator* Jerdon, 1851: 117, by subsequent designation of Bingham, 1903: 49.

Taxonomic history

[*Drepanognathus* unnecessary replacement name for *Harpegnathos* Jerdon, 1851: 116.]

Drepanognathus in Poneridae: Smith, F. 1858b: 81.

Drepanognathus in Odontomachidae: Smith, F. 1871a: 320.

Drepanognathus in Ponerinae: Mayr, 1862: 714 (in key) [Poneridae]; Mayr, 1865: 14 [Poneridae]; Dalla Torre, 1893: 22 [Ponerinae].

Drepanognathus in Pachycondylinae, Drepanognathini: Ashmead, 1905b: 382.

Drepanognathus as genus: Mayr, 1862: 723; Mayr, 1863: 408; Mayr, 1865: 14; Dalla Torre, 1893: 22; Bingham, 1903: 49; Ashmead, 1905b: 382.

Drepanognathus as senior synonym of *Harpegnathos*: Mayr, 1863: 408; Mayr, 1865: 14; Dalla Torre, 1893: 22; Bingham, 1903: 49.

[Note: Mayr, Dalla Torre, and Bingham give *Drepanognathus* as senior synonym, but *Harpegnathos* has priority.]

Drepanognathus as junior synonym of *Harpegnathos*: Roger, 1861a: 32; Roger, 1863b: 22; Forel, 1893a: 166; Forel, 1900c: 63; Emery, 1911d: 58; subsequent authors; Bolton, 1995b: 27; Bolton, 2003: 162; Schmidt, C.A. & Shattuck, 2014: 54.

***DRYMOMYRMEX** [*incertae sedis* in Formicinae]

**Drymomyrmex* Wheeler, W.M. 1915h: 135. Type-species: **Drymomyrmex fuscipennis* Wheeler, W.M. 1915h: 136, by original designation.

Taxonomic history

**Drymomyrmex* in Camponotinae, Camponotini: Wheeler, W.M. 1915h: 135.

**Drymomyrmex* in Formicinae, Brachymyrmecini: Wheeler, W.M. 1929a: 12.

**Drymomyrmex* in Formicinae, Camponotini: Donisthorpe, 1943f: 641; Dlussky & Fedoseeva, 1988: 77; Bolton, 1994: 50; Bolton, 1995b: 27.

**Drymomyrmex incertae sedis* in Formicinae: Ward, Blaimer & Fisher, 2016: 349.

**Drymomyrmex* as junior synonym of *Camponotus*: Dlussky, 1997: 623; Bolton, 2003: 112.

**Drymomyrmex* as genus: Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 27; Dlussky & Rasnitsyn, 2009: 1036 [by implication *incertae sedis* in Formicinae].

[***DRYOMYRMEX**: incorrect subsequent spelling by Donisthorpe, 1920: 93, Wheeler, W.M. 1929a: 12, Hölldobler & Wilson, 1990: 18.]

DYCLONA [junior synonym of *Cardiocondyla*]

Dyclona Santschi, 1930b: 70 (footnote) [as subgenus of *Cardiocondyla*]. Type-species: *Monomorium cristatum* Santschi, 1912b: 163, by original designation.

Taxonomic history

Dyclona as subgenus of *Cardiocondyla*: Donisthorpe, 1943f: 641.

Dyclona as junior synonym of *Cardiocondyla*: Brown, 1973b: 180 [provisional]; Smith, D.R. 1979: 1375; Bolton, 1982: 309; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 27; Bolton, 2003: 245.

DYOMORIUM [junior synonym of *Vollenhovia*]

Dyomorium Donisthorpe, 1947d: 191. Type-species: *Dyomorium ireneum* Donisthorpe, 1947d: 191, by original designation.

Taxonomic history

Dyomorium in Myrmicinae, Tetramoriini: Donisthorpe, 1947d: 191.

Dyomorium as junior synonym of *Vollenhovia*: Ettershank, 1966: 146; Hölldobler & Wilson, 1990: 16; Ogata, 1991b: 114; Bolton, 1995b: 27; Tang, J., Li, et al. 1995: 63; Bolton, 2003: 206.

DYSEDROGNATHUS [junior synonym of *Strumigenys*]

Dysedrognathus Taylor, 1968d: 132. Type-species: *Dysedrognathus extemenus* Taylor, 1968d: 133, by original designation.

Taxonomic history

Dysedrognathus in Myrmicinae, Dacetini: Taylor, 1968d: 132.

Dysedrognathus as genus: Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 28.

Dysedrognathus as junior synonym of *Pyramica*: Bolton, 1999: 1668; Bolton, 2000: 91; Bolton, 2003: 190.

Dysedrognathus as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 13; Baroni Urbani & De Andrade, 2007: 103.

EBUROPONE [Dorylinae]

Eburopone Borowiec, M.L. 2016: 124. Type-species: *Cerapachys wroughtoni* Forel, 1910e: 422, by original designation.

Taxonomic history

[*Eburopone* Fisher & Bolton, 2016: 271. Unavailable name (stated as such).]

Eburopone in Dorylinae: Borowiec, M.L. 2016: 124; Fisher & Bolton, 2016: 271.

Ebropone references: Brady, et al. 2014: 4 (phylogeny, as *Cerapachys wroughtonii* group); Fisher & Bolton, 2016: 272 (diagnosis, checklist).

ECHINOPLA [Formicinae: Camponotini]

Echinopla Smith, F. 1857a: 79. Type-species: *Echinopla melanarctos* Smith, F. 1857a: 79, by subsequent designation of Wheeler, W.M. 1911f: 162.

Taxonomic history

Echinopla in Formicidae, Cryptoceridae: Smith, F. 1857a: 79; Smith, F. 1858b: 197; Smith, F. 1862a: 50.

Echinopla in Formicidae: Smith, F. 1862d: 415.

Echinopla in Formicinae: Mayr, 1862: 652 (in key) [Formicidae]; Mayr, 1865: 7 [Formicidae].

Echinopla in Camponotinae: Forel, 1878: 368 [Camponotidae]; Dalla Torre, 1893: 272 [Camponotinae]; Emery, 1896e: 189 [Camponotinae].

Echinopla in Camponotinae, Polyrhachidini: Ashmead, 1905b: 384.

Echinopla in Camponotinae, Camponotini: Forel, 1886f: 199; Forel, 1893a: 165; Emery, 1895j: 772; Wheeler, W.M. 1910g: 144; Forel, 1912i: 89; Forel, 1917: 251.

Echinopla in Formicinae, *Formica* genus group: Agosti, 1991: 295.

Echinopla in Formicinae, Camponotini: Wheeler, W.M. 1922a: 701; Emery, 1925b: 210; subsequent authors; Hölldobler & Wilson, 1990: 19; Bolton, 1995b: 28; Bolton, 2003: 27, 121; Ward, Blaimer & Fisher, 2016: 345.

Echinopla as genus: all authors.

Echinopla as senior synonym of *Mesoxena*: Brown, 1973b: 182 [provisional]; Hölldobler & Wilson, 1990: 19; Bolton, 1994: 50; Bolton, 1994: 50; Bolton, 1995b: 28; Bolton, 2003: 121.

[**ECHINOLPA**: incorrect subsequent spelling by Donisthorpe, 1943f: 641.]

Echinopla catalogues: Smith, F. 1862d: 415; Mayr, 1863: 408, 428 (*Echinopla, Mesoxena*); Roger, 1863b: 9, 21 (*Echinopla, Mesoxena*); Emery, 1896d: 369, 382 (classification, list); Emery, 1898a: 231 (additions to 1896d); Emery, 1925b: 211, 212 (*Echinopla, Mesoxena*); Chapman & Capco, 1951: 253, 256 (Asia *Echinopla, Mesoxena*); Taylor & Brown, 1985: 122 (Australia); Taylor, 1987a: 24 (Australia); Bolton, 1995b: 183.

Echinopla references: Smith, F. 1858b: 197 (diagnosis); Mayr, 1865: 7, 10 (*Echinopla, Mesoxena* diagnoses); Mayr, 1867a: 65 (diagnosis); Forel, 1878: 368 (diagnosis); Emery, 1925b: 210, 212 (*Echinopla, Mesoxena* diagnoses); Shattuck, 1999: 95 (Australia synopsis); Xu & Zhou, 2015: 22 (all species key); Zettel & Laciny, 2017: 14 (*E. serrata* group key).

ECITON [Dorylinae]

Eciton Latreille, 1804: 179. Type-species: *Formica hamata* Fabricius, 1782: 494, by subsequent designation of Shuckard, in Swainson & Shuckard, 1840: 173.

Taxonomic history

Eciton in Formicariae: Latreille, 1804: 179; Latreille, 1809: 129.

Eciton in Myrmicites: Lepeletier de Saint-Fargeau, 1835: 179.

Eciton in Poneridae, Myrmicidae: Smith, F. 1858b: 148.

Eciton in Myrmicinae: Mayr, 1865: 17 [Myrmicidae]; Cresson, 1887: 259 [Myrmicidae].

Eciton in Dorylinae: Forel, 1878: 365 (footnote) [Dorylidae]; Dalla Torre, 1893: 1 [Dorylinae]; Forel, 1895b: 118; Emery, 1896e: 175 [Dorylinae]; Forel, 1899c: 22.

Eciton in Dorylidae, Ecitoninae, Ecitonini: Ashmead, 1905b: 381; Ashmead, 1906: 24.

Eciton in Dorylinae, Ecitonini: Forel, 1893a: 163; Emery, 1895j: 765 [Ecitonii]; Emery, 1910b: 17 [Ecitini]; Wheeler, W.M. 1910g: 138; Forel, 1917: 240; Gallardo, 1920: 312; Wheeler, W.M. 1922a: 635; Borgmeier, 1923: 37; Donisthorpe, 1943f: 641; Borgmeier, 1955: 79; Kempf, 1972a: 101; Dlussky & Fedoseeva, 1988: 79.

Eciton in Ecitoninae: Brown, 1973b: 166; Snelling, R.R. 1981: 392.
Eciton in Ecitoninae, Ecitonini: Bolton, 1990c: 1357; Hölldobler & Wilson, 1990: 12; Brandão, 1991: 341; Jaffe, 1993: 13; Bolton, 1994: 39; Bolton, 1995b: 28; Bolton, 2003: 35, 143.
Eciton in Dorylinae: Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 129.
Eciton as junior synonym of *Atta*: Latreille, 1809: 128; Leach, 1815: 147.
Eciton as genus: all authors except Latreille, 1809: 128; Leach, 1815: 147.
Eciton as senior synonym of *Camptognatha*: Smith, F. 1855c: 160; Smith, F. 1858b: 148; Mayr, 1863: 409; Roger, 1863b: 36; Mayr, 1865: 76; Dalla Torre, 1893: 1; Forel, 1899c: 22; Emery, 1910b: 19; Donisthorpe, 1943f: 630; Kempf, 1972a: 101; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 28; Bolton, 2003: 144; Borowiec, M.L. 2016: 129.
Eciton as senior synonym of *Holopone*: Borgmeier, 1936: 55; Donisthorpe, 1943f: 651; Borgmeier, 1955: 162; Kempf, 1972a: 101; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 28; Bolton, 2003: 144; Borowiec, M.L. 2016: 129.
Eciton as senior synonym of *Mayromyrmex*: Emery, 1906a: 718; Emery, 1910b: 19; Donisthorpe, 1943f: 660; Borgmeier, 1955: 162; Kempf, 1972a: 101; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 28; Bolton, 2003: 144; Borowiec, M.L. 2016: 129.
Material of *Ancylognathus* (*nomen nudum*) referred here by Smith, F. 1855c: 160; Smith, F. 1858b: 148; Mayr, 1863: 409; Roger, 1863b: 36; Mayr, 1865: 76; Dalla Torre, 1893: 1; Forel, 1899c: 22; Emery, 1910b: 19; Kempf, 1972a: 101; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 28; Bolton, 2003: 144.
***Eciton* catalogues:** Mayr, 1863: 408; Roger, 1863b: 36; Dalla Torre, 1893: 1; Emery, 1900a: 185 (species list); Emery, 1910b: 20 (*E. (Eciton)*); Kempf, 1972a: 101; Brandão, 1991: 341; Bolton, 1995b: 184; Borowiec, M.L. 2016: 137 (species checklist).
***Eciton* references:** Smith, F. 1858b: 148 (diagnosis); Mayr, 1865: 17, 77 (diagnosis, all species key); Mayr, 1886b: 115 (all species key); Emery, 1900a: 176 (all species, males key); Emery, 1910b: 17, 19 (diagnosis, subgenera key); Gallardo, 1920: 312 (Argentina species key); Borgmeier, 1955: 162, 175 (diagnosis, **all species revision, key**); Watkins, 1976: 9 (**all species key**); Watkins, 1982: 209 (Mexico species key); Billen, 1986: 170 (Dufour's gland); Palacio, 1999: 151 (Colombia species key); Brady, *et al.* 2014: 4 (phylogeny); Baccaro, *et al.* 2015: 156 (genus in Brazil); Borowiec, M.L. 2016: 129 (diagnosis); Palacio, 2019: 599 (Colombia species key).

ECPHORELLA [Dolichoderinae: Tapinomini]

Ecphorella Forel, 1909b: 65 [as subgenus of *Tapinoma*]. Type-species: *Tapinoma (Ecphorella) wellmani* Forel, 1909b: 66, by monotypy.

Taxonomic history

Ecphorella in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 85; Bolton, 1994: 26; Bolton, 2003: 19, 87.

Ecphorella in Dolichoderinae, Tapinomini: Emery, 1913a: 42; Forel, 1917: 248; Hölldobler & Wilson, 1990: 17; Ward, *et al.* 2010: 361.

Ecphorella as subgenus of *Tapinoma*: Forel, 1909b: 65; Wheeler, W.M. 1910g: 142; Emery, 1913a: 42; Forel, 1917: 248; Wheeler, W.M. 1922a: 690.

Ecphorella as genus: Donisthorpe, 1943f: 641; Brown, 1973b: 169 [provisional]; Hölldobler & Wilson, 1990: 17; Shattuck, 1992c: 85; Bolton, 1994: 26; Bolton, 1995b: 28; Bolton, 2003: 87.

***Ecphorella* catalogues:** Wheeler, W.M. 1922a: 925; Shattuck, 1994: 90; Bolton, 1995b: 186; Fisher & Bolton, 2016: 273 (checklist).

***Ecphorella* references:** Shattuck, 1992c: 85 (diagnosis, review of genus); Fisher & Bolton, 2016: 273 (diagnosis).

ECTATOMMA [Ectatomminae: Ectatommini]

Ectatomma Smith, F. 1858b: 102. Type-species: *Formica tuberculata* Olivier, 1792: 498, by subsequent designation of Bingham, 1903: 82.

Taxonomic history

Ectatomma in Poneridae: Smith, F. 1858b: 102; Smith, F. 1871a: 324.

Ectatomma in Ponerinae: Mayr, 1862: 714 (in key) [Poneridae]; Mayr, 1865: 14 [Poneridae]; Mayr, 1868b: 75 [Poneridae]; Dalla Torre, 1893: 23 [Ponerinae]; Emery, 1896e: 178 [Ponerinae].

Ectatomma in Ponerinae, Ponerini: Forel, 1895b: 112; Forel, 1899c: 5; Forel, 1900d: 316.

Ectatomma in Pachycondylinae, Ectatommini: Ashmead, 1905b: 382.

Ectatomma in Ponerinae, Ectatommini: Emery, 1895j: 767; Wheeler, W.M. 1910g: 135; Emery, 1911d: 41; Wheeler, W.M. 1915h: 33; Forel, 1917: 236; Gallardo, 1918b: 27; Wheeler, W.M. 1922a: 643; subsequent authors; Hölldobler & Wilson, 1990: 10; Brandão, 1991: 341; Bolton, 1995b: 28.

Ectatomma in Ectatomminae, Ectatommini: Bolton, 2003: 46, 173; Feitosa & Prada-Achiardi, 2019: 662.

Ectatomma as subgenus of *Acanthoponera*: Emery, 1895j: 767.

[Note: Emery, 1895j: 767, gives *Acanthoponera* as senior name, but *Ectatomma* has priority.]

Ectatomma as genus: all authors except Emery, 1895j: 767.

Ectatomma catalogues: Roger, 1863b: 17; Mayr, 1863: 409; Dalla Torre, 1893: 23; Emery, 1911d: 41; Smith, M.R. 1951a: 783 (North America); Kempf, 1972a: 104 (Neotropical); Smith, D.R. 1979: 1336 (North America); Brandão, 1991: 341; Bolton, 1995b: 186.

Ectatomma references: Mayr, 1865: 14 (diagnosis); Mayr, 1867a: 87 (diagnosis); Emery, 1911d: 41 (diagnosis, subgenera key); Gallardo, 1918b: 30 (Argentina species key); Kusnezov, 1957b: 13 (partial key); Brown, 1958g: 206 (review of genus, **all species key**); Kugler, C. & Brown, 1982: 6 (**all species key**); Fernández, 1991: 551 (Colombia species key); Lattke, 1994: 109 (phylogeny); Arias-Penna, 2008b: 56 (**all species key**); Baccaro, *et al.* 2015: 170 (genus in Brazil); Poteaux, Prada-Achiardi, Fernández & Lachaud, in Delabie, *et al.* 2015: 127 (genetic and phenotypic diversity); Feitosa & Prada-Achiardi, 2019: 665 (Colombia species key).

ECTATONA [unavailable name]

Ectatona Viana & Haedo Rossi, 1957: 109 (attributed to “Smith (1903)”). Unavailable name.

Taxonomic history

Unavailable name (proposed without designation of type-species).

[Note: perhaps *Ectatona* is a misspelling of *Ectatomma*, but that is contradicted by the limited description of the genus provided; the author and date given by Viana & Haedo Rossi make no sense.]

ECTOMOMYRMEX [Ponerinae: Ponerini]

Ectomomyrmex Mayr, 1867a: 83. Type-species: *Ectomomyrmex javanus* Mayr, 1867a: 84, by subsequent designation of Bingham, 1903: 85.

Taxonomic history

Ectomomyrmex in Ponerinae: Mayr, 1867a: 83 [Poneridae]; Dalla Torre, 1893: 30 [Ponerinae]; Emery, 1896e: 178 [Ponerinae].

Ectomomyrmex in Pachycondylinae, Pachycondylini: Ashmead, 1905b: 382.

Ectomomyrmex in Ponerinae, Ponerini: Emery, 1895j: 767; Forel, 1900d: 321; Emery, 1911d: 78 [subtribe Pachycondylini]; Forel, 1917: 237 [subtribe Pachycondylini]; Wheeler, W.M. 1922a: 648; subsequent authors; in Ponerini, *Ponera* genus group: Schmidt, C.A. & Shattuck, 2014: 191.

Ectomomyrmex as subgenus of *Ponera*: Forel, 1901b: 9.

Ectomomyrmex as subgenus of *Pachycondyla*: Emery, 1901a: 42; Wheeler, W.M. 1910g: 135; Emery, 1911d: 78; Arnold, 1915: 53; Forel, 1917: 237.

Ectomomyrmex as junior synonym of *Pachycondyla*: Brown, 1973b: 180 [provisional]; Snelling, R.R. 1981: 389; Hölldobler & Wilson, 1990: 11; Brown, in Bolton, 1994: 164; Bolton, 1995b: 28; Tang, J., Li, et al. 1995: 39; Bolton, 2003: 166; Mackay & Mackay, 2010: 3.

Ectomomyrmex as genus: Mayr, 1867a: 83; Dalla Torre, 1893: 30; Emery, 1896e: 178; Forel, 1900d: 321; Bingham, 1903: 85; Ashmead, 1905b: 382; Wheeler, W.M. 1922a: 648; Wheeler, W.M. & Chapman, 1925: 66; Donisthorpe, 1943f: 641; Chapman & Capco, 1951: 60; Brown, 1963: 9; Taylor & Brown, 1985: 29; Ogata, 1987: 112; Taylor, 1987a: 26; Ogata, 1987: 112; Schmidt, C.A. & Shattuck, 2014: 191.

[**ECTOMYRMEX**: incorrect subsequent spelling by Wheeler, W.M. & Chapman, 1925: 66, Donisthorpe, 1943f: 641.]

Ectomomyrmex catalogues: Dalla Torre, 1893: 30; Emery, 1901a: 46 (species list); Emery, 1911d: 78 (*Pachycondyla (Ectomomyrmex)*); Wheeler, W.M. 1922a: 774 (Afrotropical); Chapman & Capco, 1951: 60 (Asia); Taylor & Brown, 1985: 29 (Australia); Taylor, 1987a: 26 (Australia, New Caledonia & New Zealand); Bolton, 1995b: 302 (as part of *Pachycondyla*); Schmidt, C.A. & Shattuck, 2014: 193 (species checklist).

Ectomomyrmex references: Emery, 1901a: 42 (diagnosis); Bingham, 1903: 86 (India, Sri Lanka & Burma species key); Emery, 1911d: 78 (*Pachycondyla (Ectomomyrmex)* diagnosis); Arnold, 1915: 53 (South Africa *Pachycondyla (Ectomomyrmex)*); Wilson, 1958d: 362 (Melanesia *Ectomomyrmex* species keys); Brown, 1963: 9 (review of *Ectomomyrmex*); Ogata, 1987: 112 (diagnosis, Japan); Morisita, et al. 1989: 18 (Japan *Ectomomyrmex* key); Eguchi, et al. 2014: 31 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 191 (diagnosis, synopsis).

[Note: some *Ectomomyrmex* references occur under *Pachycondyla, sensu lato*.]

***ELAEOMYRMEX** [*incertae sedis* in Dolichoderinae]

**Elaeomyrmex* Carpenter, 1930: 48. Type-species: **Elaeomyrmex gracilis* Carpenter, 1930: 48, by original designation.

Taxonomic history

**Elaeomyrmex* in Dolichoderinae, Tapinomini: Carpenter, 1930: 48; subsequent authors; Hölldobler & Wilson, 1990: 17.

**Elaeomyrmex* in Dolichoderinae, Dolichoderini: Shattuck, 1994: 91; Bolton, 1994: 26; Bolton, 1995b: 28; Bolton, 2003: 19, 87.

**Elaeomyrmex incertae sedis* in Dolichoderinae: Ward, et al. 2010: 362.

**Elaeomyrmex* as genus: all authors.

****Elaeomyrmex catalogues***: Shattuck, 1994: 91; Bolton, 1995b: 187.

***ELAPHRODITES** [*incertae sedis* in Dolichoderinae]

**Elaphrodites* Zhang, J. 1989: 284. Type-species: **Elaphrodites scutulatus* Zhang, J. 1989: 284, by original designation.

Taxonomic history

**Elaphrodites* in Dolichoderinae: Zhang, J. 1989: 284; Bolton, 2003: 19, 87.

**Elaphrodites incertae sedis* in Dolichoderinae: Ward, et al. 2010: 362.

ELASMOPHEIDOLO [junior synonym of *Pheidole*]

Elasmopheidole Forel, 1913k: 43 [as subgenus of *Pheidole*]. Type-species: *Pheidole aberrans* Mayr, 1868a: 172, by subsequent designation of Emery, 1915i: 190.

Taxonomic history

Elasmopheidole as subgenus of *Pheidole*: Forel, 1913k: 43; Emery, 1915i: 190; Forel, 1917: 241; Emery, 1922e: 110; Wheeler, W.M. 1922a: 673; subsequent authors; Kempf, 1972a: 183; Brandão, 1991: 368.

Elasmopheidole as junior synonym of *Pheidole*: Brown, 1973b: 180 [provisional]; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 28; Tang, J., Li, et al. 1995: 54; Bolton, 2003: 234.

***ELDERMYRMEX** [*incertae sedis* in Dolichoderinae]

**Eldermyrmex* Shattuck, in Heterick & Shattuck, 2011: 170. Type-species: **Iridomyrmex oblongiceps* Wheeler, W.M. 1915h: 93, by original designation.

Taxonomic history

**Eldermyrmex* in Dolichoderinae: Shattuck, in Heterick & Shattuck, 2011: 170.

***ELECTROMYRMEX** [*incertae sedis* in Myrmicinae]

**Electromyrmex* Wheeler, W.M. 1910g: 164 (by indication). Type-species: **Electromyrmex klebsi* Wheeler, W.M. 1910g: 164 (by indication), by monotypy.

Taxonomic history

[**Electromyrmex* Wheeler, W.M. 1908g: 413. *Nomen nudum*.]

[**Electromyrmex* also described as new by Wheeler, W.M. 1915h: 55 (diagnosis).]

**Electromyrmex* in Myrmicinae, Myrmicini: Wheeler, W.M. 1915h: 55; Donisthorpe, 1943f: 642.

**Electromyrmex incertae sedis* in Myrmicinae: Dlussky & Fedoseeva, 1988: 80; Bolton, 1994: 106; Bolton, 1995b: 28; Bolton, 2003: 73, 258; Ward, et al. 2015: 77.

**Electromyrmex* as genus: all authors.

***Electromyrmex references:** Wheeler, W.M. 1915h: 55 (diagnosis); Dlussky, 1997: 55 (in Baltic amber genera key).

ELECTROPHEIDOLE [junior synonym of *Pheidole*]

Electropheidole Mann, 1921: 438 [as subgenus of *Pheidole*]. Type-species: *Pheidole (Electropheidole) roosevelti* Mann, 1921: 438, by subsequent designation of Donisthorpe, 1943f: 642.

Taxonomic history

Electropheidole as subgenus of *Pheidole*: Mann, 1921: 438; Wheeler, W.M. 1922a: 672; subsequent authors.

Electropheidole as junior synonym of *Pheidole*: Brown, 1973b: 180 [provisional]; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 90; Bolton, 1995b: 28; Tang, J., Li, et al. 1995: 54; Bolton, 2003: 235.

***ELECTROPONERA** [*incertae sedis* in Ectatomminae]

**Electroponera* Wheeler, W.M. 1915h: 34. Type-species: **Electroponera dubia* Wheeler, W.M. 1915h: 35, by monotypy.

Taxonomic history

**Electroponera incertae sedis* in Ponerinae: Viana & Haedo Rossi, 1957: 109;

**Electroponera* in Ponerinae, Ectatommini: Wheeler, W.M. 1915h: 34; Donisthorpe, 1943f: 642; Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 10; Lattke, 1994: 116; Bolton, 1995b: 28.

**Electroponera incertae sedis* in Ectatomminae, Ectatommini: Bolton, 2003: 46, 176.

**Electroponera* as genus: all authors.

***Electroponera references:** Dlussky, 1997: 51 (in Baltic amber genera key).

EMERYELLA [junior synonym of *Gnampogenys*]

Emeryella Forel, 1901e: 334. Type-species: *Emeryella schmitti* Forel, 1901e: 334, by monotypy.

Taxonomic history

Emeryella in Pachycondylinae, Amblyoponini: Ashmead, 1905b: 283.

Emeryella in Ponerinae, Ectatommini: Wheeler, W.M. 1910g: 135; Emery, 1911d: 46; Forel, 1917: 236; Wheeler, W.M. 1922a: 643; Wheeler, W.M. 1930f: 13; subsequent authors.

Emeryella as genus: Ashmead, 1905b: 283; Wheeler, W.M. 1910g: 135; Emery, 1911d: 46; Forel, 1917: 236; Wheeler, W.M. 1922a: 643; Wheeler, W.M. 1930f: 13,

Emeryella as junior synonym of *Gnamptogenys*: Brown, 1958g: 211; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 28; Bolton, 2003: 174.

EMERYIA [junior synonym of *Cardiocondyla*]

Emeryia Forel, 1890b: cx. Type-species: *Emeryia wroughtonii* Forel, 1890b: cxi, by monotypy.

Taxonomic history

Emeryia as junior synonym of *Cardiocondyla*: Forel, 1892h: 461 (in text); Forel, 1892i: 313; Dalla Torre, 1893: 70; Emery, 1922e: 124; subsequent authors; Bolton, 1973a: 341; Bolton, 1982: 309; Ogata, 1991b: 96; Bolton, 1995b: 28; Bolton, 2003: 244.

EMERYOPONE [Ponerinae: Ponerini]

Emeryopone Forel, 1912m: 761. Type-species: *Emeryopone buttelreepeni* Forel, 1912m: 762, by monotypy.

Taxonomic history

[*Emeryopone* also described as new by Forel, 1913k: 14.]

Emeryopone in Ponerinae, Ponerini: Forel, 1912m: 761; Forel, 1917: 238 [subtribe Ponerini]; subsequent authors; in Ponerini, *Ponera* genus group: Schmidt, C.A. & Shattuck, 2014: 194.

Emeryopone as junior synonym of *Belonopelta*: Baroni Urbani 1975b: 296; Hölldobler & Wilson, 1990: 10.

Emeryopone as genus: Brown, in Bolton, 1994: 164; Bolton, 1995b: 28; Bolton, 2003: 44, 162; Schmidt, C.A. & Shattuck, 2014: 194.

Emeryopone catalogues: Bolton, 1995b: 187; Schmidt, C.A. & Shattuck, 2014: 196 (species checklist).

Emeryopone references: Baroni Urbani 1975b: 298 (**all species key**); Varghese, 2006: 90 (**all species key**); Schmidt, C.A. & Shattuck, 2014: 194 (diagnosis, synopsis).

***EMPLASTUS** [Dolichoderinae]

***Emplastus** Donisthorpe, 1920: 86. Type-species: ***Emplastus emeryi** Donisthorpe, 1920: 86 (junior synonym of ***Dolichoderus britannicus** Cockerell, 1915: 483), by original designation.

Taxonomic history

***Emplastus** in Ponerinae, Ponerini: Donisthorpe, 1920: 86; Donisthorpe, 1943f: 642; Hölldobler & Wilson, 1990: 11; Bolton, 1994: 164; Bolton, 1995b: 28.

***Emplastus incertae sedis** in Ponerinae: Viana & Haedo Rossi, 1957: 109.

***Emplastus incertae sedis** in Dolichoderinae: Ward, *et al.* 2010: 362.

***Emplastus** in Dolichoderinae: Bolton, 2003: 19, 87; Dlussky & Perfilieva, 2014: 414; Dlussky & Putyatina, 2014: 242.

***Emplastus** as genus: all authors.

***Emplastus catalogue:** Bolton, 1995b: 188.

***Emplastus references:** Dlussky & Perfilieva, 2014: 414 (diagnosis); Dlussky & Putyatina, 2014: 242 (diagnosis).

ENDIODIOCTES [junior synonym of *Myrmecocystus*]

Endiodiocytes Snelling, R.R. 1976: 25 [as subgenus of *Myrmecocystus*]. Type-species: *Myrmecocystus melliger* Forel, 1886f: 201, by original designation.

Taxonomic history

Endiodioctes as junior synonym of *Myrmecocystus*: Snelling, R.R. 1981: 403; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 28; Bolton, 2003: 98.

ENERIA [junior synonym of *Strumigenys*]

Eneria Donisthorpe, 1948d: 598. Type-species: *Eneria excisa* Donisthorpe, 1948d: 598 (junior synonym of *Strumigenys loriae* Emery, 1897c: 576), by original designation.

Taxonomic history

Eneria as genus: Chapman & Capco, 1951: 104.

Eneria as junior synonym of *Strumigenys*: Brown, 1949d: 15; Bolton, 1973a: 345; Smith, D.R. 1979: 1403; Bolton, 1983: 358; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 128; Bolton, 1995b: 28; Tang, J., Li, et al. 1995: 84; Bolton, 1999: 1673; Bolton, 2000: 492; Bolton, 2003: 192; Baroni Urbani & De Andrade, 2007: 101.

ENGRAMMA [junior synonym of *Technomyrmex*]

Engramma Forel, 1905b: 180. Type-species: *Engramma lujae* Forel, 1905b: 181, by monotypy.

Taxonomic history

Engramma in Dolichoderinae: Wheeler, W.M. 1910g: 142.

Engramma in Dolichoderinae, Tapinomini: Emery, 1913a: 38; Santschi, 1914b: 117; Forel, 1917: 248; Wheeler, W.M. 1922a: 690; subsequent authors; Hölldobler & Wilson, 1990: 17.

Engramma as genus: Wheeler, W.M. 1910g: 142; Emery, 1913a: 38; Forel, 1917: 248; Wheeler, W.M. 1922a: 690; Donisthorpe, 1943f: 643; Bolton, 1973a: 359; Hölldobler & Wilson, 1990: 17.

Engramma as junior synonym of *Technomyrmex*: Shattuck, 1992c: 153; Shattuck, 1994: 156; Bolton, 1994: 26; Bolton, 1995b: 28; Bolton, 2003: 92; Bolton, 2007a: 4.

ENICTUS: incorrect subsequent spelling of *Aenictus*.

***ENNEAMERUS** [Myrmicinae: Crematogastrini]

***Enneamerus** Mayr, 1868b: 98. Type-species: ***Enneamerus reticulatus** Mayr, 1868b: 100, by monotypy.

Taxonomic history

***Enneamerus** in Myrmicidae, Pheidolidae: Emery, 1877a: 81.

***Enneamerus** in Myrmicinae: Mayr, 1868b: 98 [Myrmicidae]; Dalla Torre, 1893: 78 [Myrmicinae].

***Enneamerus** in Myrmicinae, Tetramoriini: Wheeler, W.M. 1915h: 69.

***Enneamerus** in Myrmicinae, Myrmicariini: Donisthorpe, 1943f: 643.

***Enneamerus incertae sedis** in Myrmicinae: Dlussky & Fedoseeva, 1988: 80.

***Enneamerus** in Myrmicinae, Myrmecinini: Bolton, 1994: 105; Bolton, 1995b: 28; Bolton, 2003: 71, 257.

***Enneamerus** in Myrmicinae, Crematogastrini: Ward, et al. 2015: 77.

***Enneamerus** as genus: all authors.

***Enneamerus references:** Dlussky, 1997: 55 (in Baltic amber genera key).

***EOAENICTITES** [*incertae sedis* in Formicidae]

***Eoaenictites** Hong, 2002: 541. Type-species: ***Eoaenictites castanifurvus** Hong, 2002: 542, by original designation.

Taxonomic history

***Eoaenictites** in Aenictinae: Hong, 2002: 541.

***EOCENIDRIS** [*incertae sedis* in Myrmicinae]

**Eocenidris* Wilson, 1985d: 209. Type-species: **Eocenidris crassa* Wilson, 1985d: 209, by original designation.

Taxonomic history

**Eocenidris incertae sedis* in Myrmicinae: Wilson, 1985d: 209; Dlussky & Fedoseeva, 1988: 81; Bolton, 1994: 106; Bolton, 1995b: 28; Bolton, 2003: 73, 258; Ward, *et al.* 2015: 77.

**Eocenidris* as genus: all authors.

***EOCENOMYRMA** [Myrmicinae: Crematogastrini]

**Eocenomyrma* Dlussky & Radchenko, 2006b: 562. Type-species: **Eocenomyrma orthospina* Dlussky & Radchenko, 2006b: 563, by original designation.

Taxonomic history

**Eocenomyrma* in Myrmicinae, Formicoxenini: Dlussky & Radchenko, 2006b: 563; in Crematogastrini: Ward, *et al.* 2015: 77.

**Eocenomyrma* as genus: all authors.

***Eocenomyrma references:** Dlussky & Radchenko, 2006b: 566 (**all species key**); Radchenko & Dlussky, 2016: 405 (**all species key**).

***EOFORMICA** [*incertae sedis* in Formicidae]

**Eoformica* Cockerell, 1921: 38. Type-species: **Eoformica eocenica* Cockerell, 1921: 38 (junior synonym of **Liometopum pingue* Scudder, 1877a: 742), by monotypy.

Taxonomic history

**Eoformica incertae sedis* in Ponerinae: Cockerell, 1921: 38.

**Eoformica* in Formicinae, Oecophyllini: Donisthorpe, 1943f: 643.

**Eoformica incertae sedis* in Myrmicinae: Carpenter, 1930: 17; Bolton, 1994: 106; Bolton, 1995b: 28; Bolton, 2003: 73, 258.

**Eoformica incertae sedis* in Formicidae: Dlussky & Rasnitsyn, 2002: 424.

**Eoformica* as genus: all authors.

[**Formicites* (collective group name) material absorbed into **Eoformica*: Dlussky & Rasnitsyn, 2002: 424.]

***EOGORGITES** [*incertae sedis* in Ponerinae]

**Eogorgites* Hong, 2002: 525. Type-species: **Eogorgites cingulatus*, by original designation.

**Eogorgites* Hong, 2002: 525. Type-species: **Eogorgites cingulatus* Hong, 2002: 526, by original designation.

Taxonomic history

**Eogorgites* in Ponerinae: Hong, 2002: 525.

***EOLEPTOCERITES** [*incertae sedis* in Formicinae]

**Eoleptocerites* Hong, 2002: 570. Type-species: **Eoleptocerites chinensis* Hong, 2002: 571, by original designation.

Taxonomic history

**Eoleptocerites* in Formicinae: Hong, 2002: 570; *incertae sedis* in Formicinae: Ward, Blaimer & Fisher, 2016: 349.

EOMONOCOMBUS [junior synonym of *Cataglyphis*]

Eomonocombus Arnol'di, 1968: 1815 [as subgenus of *Cataglyphis*]. Type-species: *Myrmecocystus albicans* subsp. *cinnamomeus* Karavaiev, 1910a: 269, by original designation.

Taxonomic history

Eomonocombus as junior synonym of *Cataglyphis*: Brown, 1973b: 180 [provisional]; Agosti, 1990b: 1462; Hölldobler & Wilson, 1990: 18; Agosti, 1994a: 103; Bolton, 1995b: 28; Bolton, 2003: 127.

***EOMYRMEX** [*incertae sedis* in Myrmicinae]

**Eomyrmex* Hong, 1974: 138. Type-species: **Eomyrmex guchengziensis* Hong, 1974: 138 (spelling emended from **guchengzienis* by Bolton, 1995b: 28), by monotypy.

Taxonomic history

**Eomyrmex incertae sedis* in Ponerinae: Hölldobler & Wilson, 1990: 11.

**Eomyrmex incertae sedis* in Myrmicinae: Bolton, 1994: 106; Bolton, 1995b: 28; Bolton, 2003: 73, 258; Ward, *et al.* 2015: 77.

***EOPONERA** [*junior synonym of *Formicium*]

**Eponera* Carpenter, 1929: 301. Type-species: **Eponera berryi* Carpenter, 1929: 301, by original designation.

Taxonomic history

**Eponera* as junior synonym of **Formicium*: Lutz, 1986: 189; Bolton, 1995b: 28; Bolton, 2003: 262.

***EOPONERITES** [*incertae sedis* in Ponerinae]

**Eoponerites* Hong, 2002: 533. Type-species: **Eoponerites longipetiolatus* Hong, 2002: 533, by original designation.

Taxonomic history

**Eoponerites* in Ponerinae: Hong, 2002: 533.

***EOTAPINOMA** [*incertae sedis* in Dolichoderinae]

**Eotapinoma* Dlussky, 1988: 54. Type-species: **Eotapinoma gracilis* Dlussky, 1988: 55, by original designation.

Taxonomic history

**Eotapinoma* in Dolichoderinae, Tapinomini: Dlussky, 1988: 54; Dlussky & Fedoseeva, 1988: 77.

**Eotapinoma* in Dolichoderinae, Dolichoderini: Shattuck, 1994: 91; Bolton, 1994: 26; Bolton, 1995b: 28; Bolton, 2003: 19, 88.

**Eotapinoma incertae sedis* in Dolichoderinae: Ward, *et al.* 2010: 362.

**Eotapinoma* in Dolichoderinae: Barden, 2017: 3.

**Eotapinoma* as stem-taxon to Dolichoderinae: Borysenko, 2017: 19.

**Eotapinoma* as genus: all authors.

**Eotapinoma catalogues*: Shattuck, 1994: 91; Bolton, 1995b: 188.

EPELYSIDRIS [Myrmicinae: Solenopsidini]

Epelysidris Bolton, 1987: 279. Type-species: *Epelysidris brocha* Bolton, 1987: 280, by original designation.

Taxonomic history

Epelysidris in Myrmicinae, *Solenopsis* genus group: Bolton, 1987: 271.

Epelysidris in Myrmicinae, Solenopsidini: Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106; Bolton, 1995b: 28; Bolton, 2003: 61, 210; Ward, *et al.* 2015: 77.

Epelysidris as junior synonym of *Monomorium*: Fernández, in Heterick, 2006: 79; Fernández, 2007b: 130.

Epelysidris as genus: Hölldobler & Wilson, 1990: 13; Bolton, 1994: 106; Bolton, 1995b: 28; Bolton, 2003: 61, 210; Ward, *et al.* 2015: 75.

EPHEBOMYRMEX [junior synonym of *Pogonomyrmex*]

Ephebomyrmex Wheeler, W.M. 1902c: 390 [as subgenus of *Pogonomyrmex*]. Type-species: *Pogonomyrmex naegelii* Forel, in Emery, 1878a: x, by subsequent designation of Wheeler, W.M. 1911f: 163.

Taxonomic history

Ephebomyrmex in Myrmicinae, Myrmicini: Ashmead, 1905b: 383; Forel, 1917: 240; Emery, 1921f: 48; Wheeler, W.M. 1922a: 660; subsequent authors.

Ephebomyrmex as subgenus of *Pogonomyrmex*: Wheeler, W.M. 1902c: 390; Wheeler, W.M. 1910g: 140; Wheeler, W.M. 1911f: 163; Forel, 1917: 240; Emery, 1921f: 48; Wheeler, W.M. 1922a: 660; Gallardo, 1932b: 94; Donisthorpe, 1943f: 643; Kusnezov, 1949c: 293; Creighton, 1950a: 132; Kusnezov, 1951a: 245; Smith, M.R. 1951a: 794; Smith, M.R. 1958c: 115; Kusnezov, 1964: 56; Kusnezov, 1956: 118; Smith, M.R. 1967: 351; Cole, 1968: 22; Smith, D.R. 1979: 1357; Snelling, R.R. 1982a: 108; Mackay, Mackay, Dominguez, et al. 1985: 42.

Ephebomyrmex as genus: Ashmead, 1905b: 383; Creighton, 1957a: 54; Kusnezov, 1960b: 350; Kempf, 1972a: 106; Brown, 1973b: 180; Snelling, R.R. 1981: 395; Wheeler, G.C. & Wheeler, J. 1985: 257; Dlussky & Fedoseeva, 1988: 79; Mackay & Vinson, 1989b: 14; Hölldobler & Wilson, 1990: 13; Brandão, 1991: 342; Taber, 1998: 146.

Ephebomyrmex as junior synonym of *Pogonomyrmex*: Lattke, 1991a: 305; Bolton, 1994: 106; Bolton, 1995b: 28; Fernández & Palacio, 1998: 1649; Bolton, 2003: 223.

EPIATTA [junior synonym of *Atta*]

Epiattra Borgmeier, 1950d: 246 [as subgenus of *Atta*]. Type-species: *Oecodoma laevigata* Smith, F. 1858b: 182, by original designation.

Taxonomic history

Epiattra as junior synonym of *Neoatta*: Borgmeier, 1959b: 358; Kempf, 1972a: 27.

Epiattra as junior synonym of *Atta*: Weber, 1958a: 8; Smith, D.R. 1979: 1413; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 105; Bolton, 1995b: 28; Bolton, 2003: 198; Fernández, et al. 2015: 95.

EPIMYRMA [junior synonym of *Temnothorax*]

Epimyrma Emery, 1915a: 262. Type-species: *Epimyrma kraussei* Emery, 1915a: 262, by original designation.

Taxonomic history

Epimyrma in Myrmicinae, Leptothoracini: Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 263.

Epimyrma in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 28.

Epimyrma as genus: Emery, 1916b: 188; Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 263; Donisthorpe, 1943f: 643; Buschinger, 1990: 245; Hölldobler & Wilson, 1990: 13; Bolton, 1994: 105; Bolton, 1995b: 28.

Epimyrma as junior synonym of *Leptothorax*: Brown, 1973b: 180 [provisional].

Epimyrma as junior synonym of *Myrmoxenus*: Buschinger, 1990: 245 (in text) [provisional]; Bolton, 1994: 105; Bolton, 1995b: 38; Schulz & Sanetra, 2002: 162; Bolton, 2003: 248.

[Note: Buschinger, and Bolton (1994, 1995b), gave *Epimyrma* as senior synonym, but *Myrmoxenus* has priority. *Myrmoxenus* is correctly noted as senior synonym by Schulz & Sanetra, and Bolton (2003).]

Epimyrma as junior synonym of *Temnothorax*: Ward, et al. 2015: 75 [by implication as *Myrmoxenus* synonymised under *Temnothorax*].

EPIPHEIDOLE [junior synonym of *Pheidole*]

Epipheidole Wheeler, W.M. 1903f: 664. Type-species: *Epipheidole inquilina* Wheeler, W.M. 1903f: 664, by monotypy.

Taxonomic history

[*Epipheidole* also described as new by Wheeler, W.M. 1904a: 14.]

Epipheidole in Myrmicinae, Stenammini: Ashmead, 1905b: 383.

Epipheidole in Myrmicinae, Myrmicini: Wheeler, W.M. 1910g: 140.

Epipheidole in Myrmicinae, Pheidolini: Emery, 1914a: 40; Forel, 1917: 241; Emery, 1922e: 114; Wheeler, W.M. 1922a: 661; Creighton, 1950a: 192.

Epipheidole as genus: Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 140; Emery, 1914a: 40; Forel, 1917: 241; Emery, 1922e: 114; Wheeler, W.M. 1922a: 661; Donisthorpe, 1943f: 643; Creighton, 1950a: 192.

Epipheidole as junior synonym of *Pheidole*: Cole, 1965: 174; Bolton, 1973a: 350; Smith, D.R. 1979: 1366; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 28; Tang, J., Li, et al. 1995: 54; Bolton, 2003: 233.

EPITRITUS [junior synonym of *Strumigenys*]

Epitritus Emery, 1869a: 136 (attributed to Haliday). Type-species: *Epitritus argiolus* Emery, 1869a: 136 (attributed to Haliday), by monotypy.

Taxonomic history

Epitritus in Myrmicidae, Cryptoceridae: Emery, 1877a: 81.

Epitritus in Myrmicinae: Emery & Forel, 1879: 465 [Myrmicidae]; Dalla Torre, 1893: 148 [Myrmicinae];

Epitritus in Cryptoceridae, Dacetini: Ashmead, 1905b: 384 [Dacetonini].

Epitritus in Myrmicinae, Dacetini, Strumigeniti: Brown & Wilson, 1959b: 283.

Epitritus in Myrmicinae, Dacetini: Forel, 1892d: 344; Forel, 1893a: 164; Emery, 1895j: 770; Emery, 1896e: 181; Wheeler, W.M. 1910g: 141; Emery, 1914a: 42; Emery, 1916b: 206; Forel, 1917: 246; Arnold, 1917: 384; Wheeler, W.M. 1922a: 666; Emery, 1924d: 326; Donisthorpe, 1943f: 643; Brown, 1948e: 122; Brown, 1949b: 44; Bolton, 1995b: 28.

Epitritus as genus: Emery, 1877a: 81; Emery & Forel, 1879: 465; Forel, 1892d: 344; Forel, 1893a: 164; Dalla Torre, 1893: 148; Emery, 1895j: 770; Emery, 1896e: 181; Ashmead, 1905b: 384; Wheeler, W.M. 1910g: 141; Emery, 1914a: 42; Santschi, 1914b: 114; Emery, 1916b: 206; Forel, 1917: 246; Arnold, 1917: 384; Wheeler, W.M. 1922a: 666; Emery, 1924d: 326; Donisthorpe, 1943f: 643; Brown, 1948e: 122; Brown, 1949b: 44; Brown & Wilson, 1959b: 283; Bolton, 1973a: 343; Bolton, 1983: 354; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 140; Bolton, 1995b: 28.

Epitritus as junior synonym of *Pyramica*: Bolton, 1999: 1667; Bolton, 2000: 90; Bolton, 2003: 188.

Epitritus as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 12; Baroni Urbani & De Andrade, 2007: 101.

EPIXENUS [junior synonym of *Monomorium*]

Epixenus Emery, 1908f: 556. Type-species: *Epixenus andrei* Emery, 1908f: 557 (junior secondary homonym in *Monomorium*; replacement name: *Monomorium advena* Brown & Wilson, 1957b: 244), by subsequent designation of Wheeler, W.M. 1911f: 163.

Taxonomic history

Epixenus in Myrmicinae, Solenopsidini: Emery, 1914a: 41 [subtribe Monomoriini]; Forel, 1917: 243; Emery, 1922e: 184 [subtribe Monomoriini]; Wheeler, W.M. 1922a: 662; Donisthorpe, 1943f: 643.

Epixenus as genus: Emery, 1914a: 41; Forel, 1917: 243; Emery, 1922e: 184; Wheeler, W.M. 1922a: 662; Donisthorpe, 1943f: 643.

Epixenus as junior synonym of *Monomorium*: Brown & Wilson, 1957b: 244; Ettershank, 1966: 82; Bolton, 1973a: 352; Smith, D.R. 1979: 1381; Bolton, 1987: 287, 292; Tinaut & Ortiz, 1988: 167; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 104; Bolton, 1995b: 28; Tang, J., Li, *et al.* 1995: 68; Bolton, 2003: 212.

EPOECUS [junior synonym of *Monomorium*]

Epoecus Emery, 1893a: cclxxvi. Type-species: *Epoecus pergandei* Emery, 1893a: cclxxvi, by monotypy.

Taxonomic history

Epoecus in Myrmicinae, Myrmicini: Emery, 1895j: 769; Wheeler, W.M. 1910g: 139;

Epoecus in Myrmicinae, Stenammini: Ashmead, 1905b: 383;

Epoecus in Myrmicinae, Solenopsidini: Emery, 1914a: 41 [subtribe Anergatini]; Forel, 1917: 243; Emery, 1922e: 204 [subtribe Anergatini]; Wheeler, W.M. 1922a: 663; Donisthorpe, 1943f: 643.

Epoecus as genus: Emery, 1895j: 769; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 139; Emery, 1914a: 41; Forel, 1917: 243; Emery, 1922e: 204; Wheeler, W.M. 1922a: 663; Donisthorpe, 1943f: 643.

Epoecus as junior synonym of *Monomorium*: Ettershank, 1966: 82; Bolton, 1973a: 352; Smith, D.R. 1979: 1381; Bolton, 1987: 287, 298; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 104; Bolton, 1995b: 28; Tang, J., Li, *et al.* 1995: 68; Bolton, 2003: 211.

EPOPOSTRUMA [Myrmicinae: Attini]

Epopostruma Forel, 1895f: 422 [as subgenus of *Strumigenys*]. Type-species: *Strumigenys (Epopostruma) quadrispinosa* Forel, 1895f: 422, by subsequent designation of Wheeler, W.M. 1911f: 163.

Taxonomic history

Epopostruma in Cryptoceridae, Dacetini: Ashmead, 1905b: 384 [Dacetonini].

Epopostruma in Myrmicinae, Dacetini, Epopostrumiti: Brown, 1952g: 10 (footnote); Brown, 1954b: 465; Brown & Wilson, 1959b: 281.

Epopostruma in Myrmicinae, Dacetini: Emery, 1914a: 42; Forel, 1917: 246; Wheeler, W.M. 1922a: 667; Emery, 1924d: 329; Donisthorpe, 1943f: 644; Brown, 1948e: 119; Bolton, 1995b: 29; Bolton, 1999: 1681; Shattuck, 2000: 53; Bolton, 2003: 54, 187.

Epopostruma in Myrmicinae, Attini: Ward, *et al.* 2015: 77.

Epopostruma as subgenus of *Strumigenys*: Forel, 1895f: 422.

Epopostruma as genus: Emery, 1897c: 573; subsequent authors.

Epopostruma as senior synonym of *Hexadaceton*: Brown, 1973b: 181 [provisional]; Bolton, 1983: 270; Taylor & Brown, 1985: 63; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 29; Bolton, 1999: 1681; Shattuck, 2000: 53; Bolton, 2003: 187.

Epopostruma catalogues: Emery, 1924d: 329; Taylor & Brown, 1985: 63; Taylor, 1987a: 26; Bolton, 1995b: 188.

Epopostruma references: Emery, 1924d: 329 (diagnosis); Bolton, 1994: 105 (synoptic classification); Shattuck, 1999: 134 (Australia synopsis); Bolton, 1999: 1678, 1681 (morphology, diagnosis, review of genus, phylogeny); Shattuck, 2000: 53 (diagnosis, **all species revision, key**); Heterick, 2009: 149 (south-western Australia species key).

EQUESSIMESSOR: incorrect subsequent spelling of *Equestrimessor*.

EQUESTRIMESSOR [junior synonym of *Monomorium*]

Equestrimessor Santschi, 1919d: 92 [as subgenus of *Monomorium*]. Type-species: *Holcomyrmex chobauti* Emery, 1896j: 418, by subsequent designation of Donisthorpe, 1943f: 644.

Taxonomic history

Equestrimessor as subgenus of *Monomorium*: Santschi, 1919d: 92; Wheeler, W.M. 1922a: 677; Santschi, 1936a: 32; Donisthorpe, 1943f: 644.

Equestrimessor as junior synonym of *Monomorium*: Ettershank, 1966: 82; Bolton, 1973a: 352; Smith, D.R. 1979: 1381; Bolton, 1987: 287, 297; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 105; Bolton, 1995b: 29; Tang, J., Li, et al. 1995: 68; Bolton, 2003: 213.

Equestrimessor as junior synonym of *Trichomyrmex*: Ward, et al. 2015: 76 [by implication as type-species transferred to *Trichomyrmex*].

[*EQUESSIMESSOR*: incorrect subsequent spelling by Santschi, 1936a: 32.]

EREBOMYRMA [junior synonym of *Carebara*]

Erebomyrma Wheeler, W.M. 1903a: 138. Type-species: *Erebomyrma longii* Wheeler, W.M. 1903a: 140, by monotypy.

Taxonomic history

Erebomyrma in Myrmicinae, Solenopsidini: Wheeler, W.M. 1903a: 145; Wheeler, W.M. 1910g: 140; Wheeler, W.M. 1915h: 46; Wheeler, W.M. 1922a: 663;

Erebomyrma in Myrmicinae, Stenammini: Ashmead, 1905b: 383;

Erebomyrma in Myrmicinae, Pheidologetini: Emery, 1913c: 586 (footnote); Emery, 1914a: 41; Forel, 1917: 244; Emery, 1924d: 218 [subtribe Pheidologetini].

Erebomyrma as genus: Ashmead, 1905b: 383; Emery, 1914a: 41; Wheeler, W.M. 1910g: 140; Emery, 1913c: 586 (footnote); Emery, 1914a: 41; Wheeler, W.M. 1915h: 46; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 218; Donisthorpe, 1943f: 644; Creighton, 1950a: 245; Kusnezov, 1964: 62; Wilson, 1986b: 61; Hölldobler & Wilson, 1990: 13; Brandão, 1991: 342.

Erebomyrma as junior synonym of *Oligomyrmex*: Ettershank, 1966: 119; Kempf, 1972a: 172; Bolton, 1973a: 353; Smith, D.R. 1979: 1389; Ogata, 1991b: 110; Bolton, 1994: 106; Bolton, 1995b: 29; Bolton, 2003: 215.

Erebomyrma as junior synonym of *Carebara*: Fernández, 2004a: 194.

[*EREBOMYRMEX*: incorrect subsequent spelling by Ashmead, 1905b: 383.]

EREMNOCYSTUS [junior synonym of *Myrmecocystus*]

Eremocystus Snelling, R.R. 1976: 92 [as subgenus of *Myrmecocystus*]. Type-species: *Myrmecocystus creightoni* Snelling, R.R. 1971a: 6, by original designation.

Taxonomic history

Eremocystus as junior synonym of *Myrmecocystus*: Snelling, R.R. 1981: 403; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 29; Bolton, 2003: 99.

ERICAPELTA [junior synonym of *Fulakora*]

Ericapelta Kusnezov, 1955: 273. Type-species: *Ericapelta egregia* Kusnezov, 1955: 274, by monotypy.

Taxonomic history

Ericapelta as junior synonym of *Amblyopone*: Brown, 1960a: 156; Bolton, 1973a: 330; Smith, D.R. 1979: 1334; Ogata, 1987: 103; Hölldobler & Wilson, 1990: 9; Bolton, 1995b: 29; Tang, J., Li, et al. 1995: 24; Bolton, 2003: 154.

Ericapelta as junior synonym of *Stigmatomma*: Yoshimura & Fisher, 2012a: 17.

Ericapelta as junior synonym of *Fulakora*: Ward & Fisher, 2016: 691.

ERIMELOPHORUS [junior synonym of *Melophorus*]

Erimelophorus Wheeler, W.M. 1935c: 71 [as subgenus of *Melophorus*]. Type-species: *Melophorus wheeleri* Forel, 1910b: 60, by original designation.

Taxonomic history

Erimelophorus as subgenus of *Melophorus*: Donisthorpe, 1943f: 644.

Erimelophorus as junior synonym of *Melophorus*: Brown, 1955d: 474; Hölldobler & Wilson, 1990: 17; Bolton, 1995b: 29; Bolton, 2003: 131; Heterick, *et al.* 2017: 22.

ERIOPHEIDOLE [junior synonym of *Pheidole*]

Eriopheidole Kusnezov, 1952a: 10. Type-species: *Eriopheidole symbiotica* Kusnezov, 1952a: 16 (junior secondary homonym; replacement name: *Pheidole kusnezovi* Wilson, 2003: 311), by monotypy.

Taxonomic history

Eriopheidole in Myrmicinae, Pheidolini: Kusnezov, 1952a: 10; in Myrmicini: Kempf, 1972a: 107.

Eriopheidole as genus: Kempf, 1972a: 107; Dlussky & Fedoseeva, 1988: 80.

Eriopheidole as junior synonym of *Pheidole*: Brown, 1973b: 180 [provisional]; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Brandão, 1991: 343; Ogata, 1991b: 90; Bolton, 1994: 106; Bolton, 1995b: 29; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235.

ERROMYRMA [Myrmicinae: Solenopsidini]

Erromyrma Bolton & Fisher, in Fisher & Bolton, 2016: 274. Type-species: *Monomorium latinode* Mayr, 1872: 152, by original designation.

Taxonomic history

Erromyrma in Myrmicinae, Solenopsidini: Ward, *et al.* 2015: 68 (in diagram).

ESCHERICHIA [junior synonym of *Probolomyrmex*]

Escherichia Forel, 1910c: 245. Type-species: *Escherichia brevirostris* Forel, 1910c: 246, by monotypy.

Taxonomic history

Escherichia in Ponerinae, Proceratiini: Emery, 1911d: 53; Forel, 1917: 236; Wheeler, W.M. 1922a: 645; Donisthorpe, 1943f: 644.

Escherichia in Ponerinae, Platythyreini: Brown, 1952k: 1.

Escherichia as genus: Emery, 1911d: 53; Forel, 1917: 236; Donisthorpe, 1943f: 644; Brown, 1952k: 6.

Escherichia as junior synonym of *Probolomyrmex*: Taylor, 1965d: 346; Bolton, 1973a: 331; Ogata, 1987: 104; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 29; Bolton, 2003: 180.

EUBOTHROPONERA [junior synonym of *Platythyrea*]

Eubothroponera Clark, 1930c: 8. Type-species: *Eubothroponera dentinodis* Clark, 1930c: 9, by original designation.

Taxonomic history

[Type-species not *Pachycondyla (Bothroponera) tasmaniensis* Forel, 1913g: 176, unjustified subsequent designation by Clark, 1934b: 33.]

Eubothroponera in Ponerinae, Ponerini: Donisthorpe, 1943f: 644.

Eubothroponera in Ponerinae, Platythyreini: Brown, 1952k: 2.

Eubothroponera as genus: Donisthorpe, 1943f: 644; Brown, 1952k: 5.

Eubothroponera as junior synonym of *Platythyrea*: Brown, 1975: 6; Taylor & Brown, 1985: 37; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 29; Bolton, 2003: 172; Schmidt, C.A. & Shattuck, 2014: 48.

EUCREMA [junior synonym of *Crematogaster (Orthocrema)*]

Eucrema Santschi, 1918d: 182 [as subgenus of *Crematogaster*]. Type-species: *Formica acuta* Fabricius, 1804: 411, by original designation.

Taxonomic history

[*Eucrema* incorrectly as a junior synonym of subgenus *Crematogaster sensu stricto*: Emery, 1919b: 62; Emery, 1922e: 137; Soulié, 1964: 389; Soulié, 1965: 78. This incorrect synonymy stems from Emery's 1912d: 272 unjustified subsequent designation of *Formica acuta* Fabricius, 1804: 411 as type-species of *Crematogaster*.]

Eucrema as junior synonym of *Crematogaster* (*Crematogaster*): Emery, 1922e: 137.

Eucrema as junior synonym of *Crematogaster*: Brown, 1973b: 180 [provisional]; Smith, D.R. 1979: 1376; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 125; Tang, J., Li, et al. 1995: 64.

Eucrema as subgenus of *Crematogaster*: Wheeler, W.M. 1922a: 662; Donisthorpe, 1943f: 644; Kempf, 1972a: 82; Bolton, 1995b: 29; Bolton, 2003: 239.

Eucrema as junior synonym of *C. (Orthocrema)*: Blaimer, 2012c: 52.

[Note: world list of species in former subgenus *C. (Eucrema)*: Bolton, 1995b: 166.]

EUCRYPTOCERUS [junior synonym of *Cephalotes*]

Eucryptocerus Kempf, 1951: 127. Type-species: *Cryptocerus oculatus* Spinola, 1851b: 49, by original designation.

Taxonomic history

Eucryptocerus in Myrmicinae, Cephalotini: Kempf, 1951: 127; subsequent authors.

Eucryptocerus in Myrmicinae, Cryptocerini: Dlussky & Fedoseeva, 1988: 79 (anachronism).

Eucryptocerus as genus: Kempf, 1972a: 107; Kempf, 1973c: 460; Brandão, 1991: 343; Bolton, 1994: 105; Bolton, 1995b: 29.

Eucryptocerus as junior synonym of *Cephalotes*: Brown, 1973b: 180 [provisional]; Hölldobler & Wilson, 1990: 13; De Andrade & Baroni Urbani, 1999: 59; Bolton, 2003: 195.

*EULITHOMYRMEX [Agroecomyrmecinae; Agroecomyrmecini]

**Eulithomyrmex* Carpenter, 1935: 91.

Taxonomic history

[Replacement name for **Lithomyrmex* Carpenter, 1930: 34; junior homonym of *Lithomyrmex* Clark, 1928a: 30 (Formicidae).]

**Eulithomyrmex* in Myrmicinae, Agroecomyrmecini: Brown & Kempf, 1968: 184; Bolton, 1994: 105; Bolton, 1995b: 29; Baroni Urbani & De Andrade, 2007: 75.

**Eulithomyrmex* in Agroecomyrmecinae, Agroecomyrmecini: Bolton, 2003: 52, 181.

**Eulithomyrmex* as genus: all authors.

**Eulithomyrmex catalogue*: Bolton, 1995b: 189.

EUMECOPONE [junior synonym of *Neoponera*]

Eumecopone Forel, 1901e: 335 [as subgenus of *Neoponera*]. Type-species: *Neoponera (Eumecopone) agilis*, by monotypy.

Eumecopone as subgenus of *Neoponera*: Emery, 1911d: 71; Forel, 1917: 237; Wheeler, W.M. 1922a: 648; Donisthorpe, 1943f: 644; Kempf, 1972a: 161; Brandão, 1991: 360.

Eumecopone as junior synonym of *Pachycondyla*: Snelling, R.R. 1981: 389; Hölldobler & Wilson, 1990: 11; Brown, in Bolton, 1994: 164; Bolton, 1995b: 29; Tang, J., Li, et al. 1995: 39; Bolton, 2003: 167; Mackay & Mackay, 2010: 3.

Eumecopone as junior synonym of *Neoponera*: Schmidt, C.A. & Shattuck, 2014: 145.

EUOPHTHALMA [junior synonym of *Solenopsis*]

Euopthalma Creighton, 1930b: 43 [as subgenus of *Solenopsis*]. Type-species: *Myrmica globularia* Smith, F. 1858b: 131, by original designation.

Taxonomic history

Euopthalma as subgenus of *Solenopsis*: Donisthorpe, 1943f: 645.

Euopthalma as junior synonym of *Solenopsis*: Ettershank, 1966: 134; Kempf, 1972a: 232; Bolton, 1973a: 354; Smith, D.R. 1979: 1384; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 108; Bolton, 1995b: 29; Tang, J., Li, *et al.* 1995: 71; Bolton, 2003: 218.

EUPONERA [Ponerinae: Ponerini]

Euponera Forel, 1891b: 126 [as subgenus of *Ponera*]. Type-species: *Ponera (Euponera) sikorae* Forel, 1891b: 127, by monotypy.

Taxonomic history

Euponera in Ponerinae: Forel, 1891b: 126 [Poneridae].

Euponera in Ponerinae, Ponerini: Emery, 1895j: 767; Emery, 1911d: 79 [subtribe Pachycondylini]; Wheeler, W.M. 1915h: 37; Arnold, 1915: 63; Forel, 1917: 237 [subtribe Pachycondylini]; Wheeler, W.M. 1922a: 648; subsequent authors; in Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 83.

Euponera as subgenus of *Ponera*: Forel, 1891b: 126; Dalla Torre, 1893: 37; Emery, 1895j: 767.

Euponera as junior synonym of *Pachycondyla*: Brown, in Bolton, 1994: 164; Bolton, 1995b: 29; Bolton, 2003: 166; Mackay & Mackay, 2010: 3.

Euponera as genus: Emery, 1901a: 43; Emery, 1909c: 364; Wheeler, W.M. 1910g: 135; Emery, 1911d: 79; Arnold, 1915: 63; Emery, 1916b: 104; Forel, 1917: 237; Gallardo, 1918b: 64; Wheeler, W.M. 1922a: 648; Borgmeier, 1923: 70; Clark, 1934b: 30; Creighton, 1950a: 44; Chapman & Capco, 1951: 63; Bernard, 1953b: 189; Viana & Haedo Rossi, 1957: 109; Wheeler, G.C. & Wheeler, J. 1985: 256; Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 11; Schmidt, C.A. & Shattuck, 2014: 83.

Euponera catalogues: Emery, 1901a: 46; Emery, 1911d: 80; Wheeler, W.M. 1922a: 774 (as *Ectomomyrmex*); Wheeler, W.M. 1922a: 1008 (Malagasy *Euponera (Euponera)*); Chapman & Capco, 1951: 63 (Asia); Smith, M.R. 1951a: 785 (North America); Bolton, 1995b: 302 (as part of *Pachycondyla*); Schmidt, C.A. & Shattuck, 2014: 86 (species checklist); Fisher & Bolton, 2016: 278 (Afrotropical, Malagasy checklist).

Euponera references: Emery, 1911d: 80 (*Euponera* diagnosis, subgenera key); Arnold, 1915: 63 (Afrotropical *Euponera* diagnosis); Wheeler, W.M. 1922a: 81 (diagnosis); Rakotonirina & Fisher, 2013b: 452 (Madagascar *Pachycondyla sikorae* group key); Eguchi, *et al.* 2014: 32 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 83 (diagnosis, synopsis); Fisher & Bolton, 2016: 276 (diagnosis).

[Note: some *Euponera* references occur under *Pachycondyla*, *sensu lato*.]

EUPRENOLEPIS [Formicinae: Lasiini]

Euprenolepis Emery, 1906b: 134 [as subgenus of *Prenolepis*]. Type-species: *Prenolepis procera* Emery, 1900d: 699, by original designation.

Taxonomic history

Euprenolepis in Camponotinae, Formicini: Wheeler, W.M. 1910g: 143.

Euprenolepis in Formicinae, Acanthomyopsini: Donisthorpe, 1943f: 645.

Euprenolepis in Formicinae, Brachymyrmeceini: Wheeler, G.C. & Wheeler, J. 1985: 258.

Euprenolepis in Formicinae, Prenolepidini: Forel, 1917: 249; Hölldobler & Wilson, 1990: 18.

Euprenolepis in Formicinae, *Pseudolasius* genus group: Agosti, 1991: 296.

Euprenolepis in Formicinae, Plagiolepidini: Bolton, 2003: 23, 102.

Euprenolepis in Formicinae, *Prenolepis* genus group: LaPolla, *et al.* 2010a: 124.

Euprenolepis in Formicinae, Lasiini: Emery, 1925b: 223; Dlussky & Fedoseeva, 1988: 77; Bolton, 1994: 50; Bolton, 1995b: 29; Ward, Blaimer & Fisher, 2016: 347.

Euprenolepis as subgenus of *Prenolepis*: Emery, 1906b: 134; Wheeler, W.M. 1910g: 143; Forel, 1917: 249; Wheeler, W.M. 1922a: 697.

Euprenolepis as subgenus of *Paratrechina*: Emery, 1925b: 223; Donisthorpe, 1943f: 645; Chapman & Capco, 1951: 218.

Euprenolepis as genus: Brown, 1953h: 6; Hölldobler & Wilson, 1990: 18; Bolton, 1994: 50; Bolton, 1995b: 29; Bolton, 2003: 23, 102; LaPolla, 2009: 6.

Euprenolepis as senior synonym of *Chapmanella*: Brown, 1953h: 6; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 29; Bolton, 2003: 102.

***Euprenolepis* catalogues:** Emery, 1925b: 223; Chapman & Capco, 1951: 214; Bolton, 1995b: 189.

***Euprenolepis* references:** Emery, 1925b: 223 (diagnosis); LaPolla, 2009: 6 (diagnosis, **all species revision, key**); LaPolla, Brady & Shattuck, 2010a: 124 (diagnosis, synopsis).

***EURHOPALOTHRIX* [Myrmicinae: Attini]**

Eurhopalothrix Brown & Kempf, 1961: 44. Type-species: *Rhopalothrix bolaui* Mayr, 1870a: 415 (footnote), by original designation.

Taxonomic history

[*Eurhopalothrix* Brown & Kempf, 1960: 202. Unavailable name, proposed without designation of type-species.]

Eurhopalothrix in Myrmicinae, Basicerotini: Brown & Kempf, 1961: 44; Kempf, 1972a: 107; Smith, D.R. 1979: 1409; Brandão, 1991: 343; Bolton, 1995b: 29; Bolton, 1998: 67; Bolton, 2003: 54, 184.

Eurhopalothrix in Myrmicinae, Dacetini: Baroni Urbani & De Andrade, 1994: 31; Baroni Urbani & De Andrade, 2007: 88.

Eurhopalothrix in Myrmicinae, Attini: Ward, *et al.* 2015: 77.

Eurhopalothrix as junior synonym of *Basiceros*: Baroni Urbani & De Andrade, 2007: 88.

Eurhopalothrix as genus: all authors except Baroni Urbani & De Andrade, 2007: 88.

***Eurhopalothrix* catalogues:** Kempf, 1972a: 107 (Neotropical); Smith, D.R. 1979: 1409 (North America); Taylor & Brown, 1985: 64 (Australia); Taylor, 1987a: 26 (Australia, New Caledonia); Brandão, 1991: 343 (Neotropical); Bolton, 1995b: 189.

***Eurhopalothrix* references:** Brown & Kempf, 1960: 202, 245 (diagnosis, **all species revision, key**); Snelling, R.R. 1968c: 3 (supplement to Brown & Kempf, 1960 key); Taylor, 1968b: 334 (**Indo-Australian species key**); Taylor, 1970a: 51 (supplement to Taylor, 1968b key); Taylor, 1990b: 401 (**Old World species key**); Bolton, 1995a: 1049 (census); Shattuck, 1999: 135 (Australia synopsis); Ketterl, Verhaag & Dietz, 2004: 48 (**Neotropical species key**); Mezger & Pfeiffer, 2010: 135 (*E. platisquama* group key); Sarnat & Economo, 2012: 76 (Fiji Is species key); Longino, 2013a: 107 (**New World species key**); Baccaro, *et al.* 2015: 228 (genus in Brazil); Fisher & Bolton, 2016: 279 (diagnosis); Fernández & Serna, 2019: 853 (Colombia species key).

****EURYMYRMEX* [*incertae sedis* in Dolichoderinae]**

**Eurymyrmex* Zhang, Sun & Zhang, 1994: 167 (English translation: 286). Type-species: **Eurymyrmex geologicus* Zhang, Sun & Zhang, 1994: 167, by original designation.

Taxonomic history

**Eurymyrmex* in Dolichoderinae: Zhang, Sun & Zhang, 1994: 167; Bolton, 2003: 19, 88.

**Eurymyrmex incertae sedis* in Dolichoderinae: Ward, *et al.* 2010: 362.

****EURTARSITES* [*incertae sedis* in Formicinae]**

**Eurytarsites* Hong, 2002: 590. Type-species: **Eurytarsites fushunensis* Hong, 2002: 590, by original designation.

Taxonomic history

**Eurytarsites* in Formicinae: Hong, 2002: 590.

**Eurytarsites incertae sedis* in Formicinae: Ward, Blaimer & Fisher, 2016: 349.

EUSPHINCTUS [Dorylinae]

Eusphinctus Emery, 1893a: cclxxv. Type-species: *Eusphinctus furcatus* Emery, 1893a: cclxxv, by monotypy.

Taxonomic history

Eusphinctus in Cerapachyinae, Cerapachyini: Emery, 1911d: 7; Wheeler, W.M. 1922a: 639; Donisthorpe, 1943f: 645.

Eusphinctus in Dorylinae: Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 138.

Eusphinctus as subgenus of *Sphinctomyrmex*: Emery, 1895k: 456; Forel, 1900d: 328; Wheeler, W.M. 1910g: 137; Emery, 1911d: 7; Forel, 1917: 239.

Eusphinctus as junior synonym of *Sphinctomyrmex*: Brown, 1973b: 180 [provisional]; Brown, 1975: 31; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 29; Bolton, 2003: 142.

Eusphinctus as genus: Wheeler, W.M. 1918a: 219; Wheeler, W.M. 1922a: 639; Borowiec, M.L. 2016: 138.

***Eusphinctus* catalogues:** Emery, 1911d: 7; Borowiec, M.L. 2016: 144 (species checklist).

***Eusphinctus* references:** Brady, *et al.* 2014: 4 (phylogeny); Borowiec, M.L. 2016: 138 (diagnosis).

EUTETRAMORIUM [Myrmicinae: Crematogastrini]

Eutetramorium Emery, 1899f: 280. Type-species: *Eutetramorium mocquerysi* Emery, 1899f: 281, by subsequent designation of Wheeler, W.M. 1911f: 163.

Taxonomic history

Eutetramorium in Myrmicinae, Myrmecinini: Emery, 1912b: 105; Emery, 1914a: 41.

Eutetramorium in Myrmicinae, Tetramoriini: Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 141; Emery, 1915i: 192; Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 291; subsequent authors; Wheeler, G.C. & Wheeler, J. 1985: 257.

Eutetramorium in Myrmicinae, Myrmicini: Bolton, 1976: 293; Bolton, 1994: 106; Bolton, 1995b: 29; Bolton, 2003: 62, 220.

Eutetramorium in Myrmicinae, *Eutetramorium* genus group: Bolton & Fisher, 2014: 8.

Eutetramorium in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Podomyrma* genus group: Blaimer, *et al.* 2018: 7.

Eutetramorium as genus: all authors.

***Eutetramorium* catalogues:** Wheeler, W.M. 1922a: 1032; Emery, 1924d: 291; Bolton, 1995b: 190; Fisher & Bolton, 2016: 282 (checklist).

***Eutetramorium* references:** Emery, 1924d: 291 (diagnosis); Kugler, C. 1979b: 255 (sting stucture); Bolton & Fisher, 2014: 9 (diagnosis, **all species revision, key**); Fisher & Bolton, 2016: 280 (diagnosis).

EVELYNA [junior synonym of *Myrmotherinax*]

Evelyna Donisthorpe, 1937c: 273 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis (Evelyna) cheesmanae* Donisthorpe, 1937c: 273, by original designation.

Taxonomic history

Evelyna as subgenus of *Polyrhachis*: Donisthorpe, 1943f: 645.

Evelyna as junior synonym of *Myrmotherinax*: Hung, 1967b: 402; Dorow, 1995: 61; Bolton, 1995b: 29; Bolton, 2003: 124.

EXAMBLYOPONE [junior synonym of *Prionopelta*]

Exambyopone Donisthorpe, 1949g: 401. Type-species: *Exambyopone churchilli* Donisthorpe, 1949g: 401 (junior synonym of *Ponera nominata* Smith, F. 1871a: 323), by original designation.

Taxonomic history

Exambyopone as junior synonym of *Prionopelta*: Brown, 1951: 102; Smith, D.R. 1979: 1335; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 29; Bolton, 2003: 156.

****EXOCRYPTOCERUS*** [junior synonym of *Cephalotes*]

Exocryptocerus Vierbergen & Scheven, 1995: 159. Type-species: **Exocryptocerus serratus* Vierbergen & Scheven, 1995: 159, by original designation.

Taxonomic history

**Exocryptocerus* as junior synonym of *Cephalotes*: De Andrade & Baroni Urbani, 1999: 59; Bolton, 2003: 195.

****FALLOMYRMA*** [*incertae sedis* in Myrmicinae]

Fallomyrma Dlussky & Radchenko, 2006a: 154. Type-species: **Fallomyrma transversa* Dlussky & Radchenko, 2006a: 156, by original designation.

Taxonomic history

**Fallomyrma incertae sedis* in Myrmicinae: Dlussky & Radchenko, 2006a: 154; Ward, *et al.* 2015: 77.

***Fallomyrma* references:** Radchenko & Dlussky, 2018: 156, 160 (diagnosis, **all species key**).

FEROAPONERA [Ponerinae: Ponerini]

Feroponera Bolton & Fisher, 2008c: 26. Type-species: *Feroponera ferox* Bolton & Fisher, 2008c: 28, by original designation.

Taxonomic history

Feroponera in Ponerinae: Ponerini: Bolton & Fisher, 2008c: 26; in Ponerini, *incertae sedis* in *Plectroctena* genus group: Schmidt, C.A. & Shattuck, 2014: 170.

***Feroponera* references:** Schmidt, C.A. & Shattuck, 2014: 170 (diagnosis, synopsis); Fisher & Bolton, 2016: 282 (diagnosis).

FISHEROPONE [Ponerinae: Ponerini]

Fisheropone Schmidt, C.A. & Shattuck, 2014: 87. Type-species: *Ponera ambigua* Weber, 1942a: 46, by original designation.

Taxonomic history

Fisheropone in Ponerinae, Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 87.

***Fisheropone* references:** Fisher & Bolton, 2016: 284 (diagnosis).

FLORENCEA [junior synonym of *Myrmhopla*]

Florencea Donisthorpe, 1937a: 624 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis (Florencea) kirkae* Donisthorpe, 1937a: 624 (junior synonym of *Polyrhachis nigriceps* Smith, F. 1863: 17), by original designation.

Taxonomic history

Florencea as subgenus of *Polyrhachis*: Donisthorpe, 1943f: 645.

Florencea as junior synonym of *Myrmhopla*: Hung, 1967b: 402; Dorow, 1995: 45; Bolton, 1995b: 29; Bolton, 2003: 124.

FORELIFIDIS [junior synonym of *Oxyepoecus*]

Forelifidis Smith, M.R. 1954a: 17.

Taxonomic history

[Replacement name for *Martia* Forel, 1907a: 20; junior homonym of *Martia* Ragonot, 1887: 18 (Lepidoptera).]

Forelididis as junior synonym of *Oxyepoecus*: Brown, 1955b: 68; Kempf, 1972a: 173; Hölldobler & Wilson, 1990: 14; Bolton, 1995b: 29; Bolton, 2003: 216; Albuquerque & Brandão, 2004: 57.

***FONSECAHYMEN [incertae sedis in Formicidae]**

***Fonsecahymen** Martins-Neto & Mendes, 2002: 29. Type-species: **Fonsecahymen stigmata* Martins-Neto & Mendes, 2002: 29, by original designation.

Taxonomic history

Fonsecahymen related to *Oecophylla* (Formicinae): Martins-Neto & Mendes, 2002: 30.

FORELIUS [Dolichoderinae: Leptomyrmecini]

Forelius Emery, 1888d: 389. Type-species: *Iridomyrmex mccooki* McCook, 1880: 187, by monotypy.

Taxonomic history

Forelius in Dolichoderinae: Dalla Torre, 1893: 168 [Dolichoderinae]; Emery, 1895j: 771; Emery, 1896e: 187 [Dolichoderinae]; Forel, 1899c: 102; Wheeler, W.M. 1910g: 142.

Forelius in Dolichoderidae: Ashmead, 1905b: 384.

Forelius Dolichoderinae, Tapinomini: Emery, 1913a: 35; Forel, 1917: 248; Wheeler, W.M. 1922a: 690; Donisthorpe, 1943f: 645; Kempf, 1972a: 108; Smith, D.R. 1979: 1419; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 344; Jaffe, 1993: 9.

Forelius in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 87; Bolton, 1994: 26; Bolton, 1995b: 29; Bolton, 2003: 19, 88.

Forelius in Dolichoderinae, Leptomyrmecini: Ward, *et al.* 2010: 361.

Forelius as genus: all authors.

Forelius as senior synonym of *Neoforelius*: Shattuck, 1992c: 87; Shattuck, 1994: 91; Bolton, 1994: 26; Cuezzo, 2000: 204; Bolton, 1995b: 29; Bolton, 2003: 88.

Forelius catalogues: Dalla Torre, 1893: 168; Emery, 1913a: 35; Smith, M.R. 1951a: 836 (North America); Kempf, 1972a: 108, 160 (Neotropical *Forelius*, *Neoforelius*); Smith, D.R. 1979: 1419 (North America); Brandão, 1991: 344; Shattuck, 1994: 91; Bolton, 1995b: 190.

Forelius references: Emery, 1913a: 35 (diagnosis); Gallardo, 1916a: 74 (Argentina species key); Creighton, 1950a: 343 (Nearctic species, review); Kusnezov, 1957b: 16 (Neotropical species key); Wheeler, G.C. & Wheeler, J. 1986g: 56 (U.S.A., Nevada species key); Shattuck, 1992c: 87 (diagnosis, review of genus); Bolton, 1995a: 1049 (census); Cuezzo, 2000: 197 (diagnosis, **all species revision, key**); Mackay & Mackay, 2002: 227 (U.S.A., New Mexico species key); Guerrero & Fernández, 2008: 58 (addition to key); Baccaro, *et al.* 2015: 136 (genus in Brazil); Guerrero, 2019: 710 (Colombia species key).

FORELOMYRMEX [junior synonym of *Pogonomyrmex*]

Forelomyrmex Wheeler, W.M. 1913a: 80 [as subgenus of *Pogonomyrmex*].

Taxonomic history

[Replacement name for *Janetia* Forel, 1899c: 61 (footnote); junior homonym of *Janetia* Kieffer, 1896: 236 (Diptera).]

Forelomyrmex as subgenus of *Pogonomyrmex*: Wheeler, W.M. 1913a: 80; Forel, 1917: 240; Emery, 1921f: 48; Wheeler, W.M. 1922a: 660; Donisthorpe, 1943f: 646; Kusnezov, 1951a: 245; Kempf, 1972a: 209; Brandão, 1991: 372.

Forelomyrmex as genus: Taber, 1990: 307.

Forelomyrmex as junior synonym of *Pogonomyrmex*: Brown, 1973b: 180 [provisional]; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Lattke, 1991a: 305; Bolton, 1994: 106; Bolton, 1995b: 29; Bolton, 2003: 223; Fernández & Palacio, 1998: 1649.

FORELOPHILUS [subgenus of *Camponotus*]

Forelophilus Kutter, 1931b: 193. Type-species: *Forelophilus overbecki* Kutter, 1931b: 193, by monotypy.

Taxonomic history

Forelophilus in Formicinae, *Formica* genus group: Agosti, 1991: 295.

Forelophilus in Formicinae, Camponotini: Donisthorpe, 1943f: 646; subsequent authors; Hölldobler & Wilson, 1990: 19; Bolton, 1994: 50; Bolton, 1995b: 29; Bolton, 2003: 27, 121; Ward, Blaimer & Fisher, 2016: 349;

Forelophilus as subgenus of *Camponotus*: Ward, Blaimer & Fisher, 2016: 349.

Forelophilus references: included under *Camponotus*.

FORMICA [Formicinae: Formicini]

Formica Linnaeus, 1758: 579. Type-species: *Formica rufa* Linnaeus, 1761: 426, by subsequent designation of Curtis, 1839: 752; Girard, 1879: 1011.

[Note: reasons for the designation of *F. rufa* Linnaeus, 1761, rather than *F. rufa* Linnaeus, 1758, as type-species of *Formica*, are discussed by Yarrow, 1954b: 313, Yarrow, 1955a: 5.]

Taxonomic history

Formica in Formicariae: Latreille, 1802a: 353; Latreille, 1804: 178; Latreille, 1809: 125; Latreille, 1810: 311.

Formica in Formicarides: Leach, 1815: 147.

Formica in Formicites: Lepeletier de Saint-Fargeau, 1835: 199.

Formica in Formicidae: Smith, F. 1858b: 1.

Formica in Formicinae: Mayr, 1855: 300 [Formicidae]; Nylander, 1856b: 53 [Formicinae]; Mayr, 1861: 45 [Formicidae]; Mayr, 1862: 653 (in key) [Formicidae]; Mayr, 1865: 8 [Formicidae]; Mayr, 1868b: 47 [Formicidae]; Forel, 1874: 50 [Formicidae].

Formica in Camponotinae: Forel, 1878: 373 [Camponotidae]; Emery & Forel, 1879: 450 [Camponotidae]; Dalla Torre, 1893: 192 [Camponotinae]; Emery, 1896e: 189 [Camponotinae].

Formica in Camponotinae, Camponotini: Forel, 1886f: 205.

Formica in Camponotinae, Formicini: Forel, 1893a: 165; Emery, 1895j: 772; Forel, 1899c: 127; Wheeler, W.M. 1910g: 143; Forel, 1912i: 89; Wheeler, W.M. 1915h: 120; Emery, 1916b: 252; Forel, 1917: 250.

Formica in Formicinae, Formicini + Lasiini: Hölldobler & Wilson, 1990: 18.

Formica in Formicinae, *Formica* genus group: Agosti, 1991: 295.

Formica in Formicinae, Formicini: Ashmead, 1905b: 384; Bondroit, 1918: 41; Wheeler, W.M. 1922a: 699; Emery, 1925b: 241; subsequent authors; Bolton, 1995b: 29; Bolton, 2003: 28, 127; Ward, Blaimer & Fisher, 2016: 346.

Formica as genus: all authors.

Formica as senior synonym of *Adformica*: Smith, M.R. 1951a: 860; Smith, D.R. 1979: 1448 Hölldobler & Wilson, 1990: 18; Agosti, 1994a: 106; Bolton, 1995b: 29; Tang, J., Li, *et al.* 1995: 103; Bolton, 2003: 128.

Formica as senior synonym of *Coptoformica*: Smith, M.R. 1951a: 860; Smith, D.R. 1979: 1448 Hölldobler & Wilson, 1990: 18; Agosti, 1994a: 106; Bolton, 1995b: 29; Tang, J., Li, *et al.* 1995: 103; Bolton, 2003: 128.

Formica as senior synonym of *Formicina*: Wheeler, W.M. 1911c: 860; Wheeler, W.M. 1911f: 164; Donisthorpe, 1916c: 276 (in text); Donisthorpe, 1943f: 646; Agosti, 1994a: 106; Bolton, 1994: 50; Bolton, 1995b: 29.

Formica as senior synonym of *Neoformica*: Buren, 1968a: 39; Smith, D.R. 1979: 1448 Hölldobler & Wilson, 1990: 18; Agosti, 1994a: 106; Bolton, 1995b: 29; Tang, J., Li, et al. 1995: 103; Bolton, 2003: 128.

Formica as senior synonym of *Raptiformica*: Wheeler, W.M. 1922a: 699 (footnote); Smith, M.R. 1951a: 860; Smith, D.R. 1979: 1448 Hölldobler & Wilson, 1990: 18; Agosti, 1994a: 107; Bolton, 1995b: 29; Tang, J., Li, et al. 1995: 103; Bolton, 2003: 128.

Formica as senior synonym of *Serviformica*: Wheeler, W.M. 1922a: 699 (footnote); Smith, M.R. 1951a: 860; Francoeur, 1973: 34; Smith, D.R. 1979: 1448 Hölldobler & Wilson, 1990: 18; Agosti, 1994a: 106; Bolton, 1995b: 29; Tang, J., Li, et al. 1995: 103; Bolton, 2003: 128.

[Note (i): the names *Coptoformica*, *Raptiformica* and *Serviformica* are all regarded as junior synonyms of *Formica* here. However, it should be noted that many authors prefer to treat them as subgenera of *Formica*, and the names are often found as such throughout the literature.]

[Note (ii): world list of species in *Formica*, arranged by species group: Bolton, 1995b: 206.]

Formica catalogues: Mayr, 1863: 410; Roger, 1863b: 12; Emery & Forel, 1879: 450 (Europe); Cresson, 1887: 255 (U.S.A.); Dalla Torre, 1893: 192; Emery, 1925b: 244, 245, 251, 258 (*F. (Neoformica)*, *F. (Serviformica)*, *F. (Formica)*, *F. (Raptiformica)*); Chapman & Capco, 1951: 197 (Asia); Smith, M.R. 1951a: 857 (North America); Smith, D.R. 1979: 1448 (North America); Bolton, 1995b: 190.

Formica references: Mayr, 1855: 300 (diagnosis, Austria species key); Smith, F. 1858b: 1 (diagnosis); Mayr, 1861: 46 (diagnosis, Europe species key); Mayr, 1865: 8 (diagnosis); André, 1874: 182 (Europe species key); Forel, 1874: 51 (Switzerland species key); Forel, 1878: 373 (diagnosis); André, 1882b: 176 (Europe & Algeria species key); Provancher, 1887: 232 (Canada species key); Nasonov, 1889: 61 (Russia species key); Emery, 1893i: 643 (North America species key); Forel, 1894c: 402 (India species key); Bingham, 1903: 334 (India species key); Ruzsky, 1905b: 318 (Russian Empire species key); Wasmann, 1906: 8 (Luxemburg species key); Emery, 1909b: 180 (Palaearctic species key); Bondroit, 1910: 482 (Belgium species key); Wheeler, W.M. 1913f: 387 (subgenera, species groups, all species keys); Stitz, 1914: 88 (Central Europe species key); Donisthorpe, 1915d: 244 (Britain species key); Emery, 1916b: 257 (Italy species key); Wheeler, W.M. 1916m: 594 (U.S.A., Connecticut species key); Bondroit, 1917a: 174 (France *F. rufa* group, key); Bondroit, 1918: 41 (France & Belgium species key); Wheeler, W.M. 1922a: 699 (subgenera key); Emery, 1925b: 241 (diagnosis, subgenera key); Emery, 1925b: 244, 245, 251, 258 (*F. (Neoformica)*, *F. (Serviformica)*, *F. (Formica)*, *F. (Raptiformica)* diagnoses); Lomnicki, 1925a: 171 (Poland species key); Kuznetsov-Ugamsky, 1926b: 93 (Turkestan species key); Karavaiev, 1927c: 282 (Ukraine species key); Donisthorpe, 1927b: 284 (Britain species key); Arnol'di, 1933b: 603 (Russia species key); Karavaiev, 1936: 220 (Ukraine species key); Menozzi, 1939a: 321 (Himalaya & Tibet species key); Stitz, 1939: 306 (Germany species key); Creighton, 1940a: 1 (North America *F. rufa* subspecies key); Kratochvíl, 1941: 103 (Central Europe species key); Novák & Sadil, 1941: 103 (Central Europe species key); Cole, 1942: 375 (U.S.A., Utah species key); Holgersen, 1943b: 175 (Norway species key); Holgersen, 1944: 200 (Norway species key); Buren, 1944a: 299 (U.S.A., Iowa species key); van Boven, 1947: 187 (Belgium species key); Creighton, 1950a: 456 (**Nearctic species key**); Yarrow, 1954a: 229 (Britain *F. fusca* group); Yarrow, 1955a: 29 (Britain *F. rufa* group, key); Wilson & Brown, 1955: 108 (*F. sanguinea* & *F. neogagates* groups, synopsis); van Boven, 1959: 12 (Netherlands species key); Betrem, 1960b: 75 (*F. rufa* group, key); Gregg, 1963: 498 (U.S.A., Colorado species key); Wheeler, G.C. & Wheeler, J. 1963: 205 (U.S.A., North Dakota species key); Cotti, 1963: 1 (*F. rufa* group, bibliography 1930-61); Dlussky, 1964: 1026 (former U.S.S.R. *F. (Coptoformica)* species key); Collingwood, 1964: 109 (Britain species key); Brown, 1965d: 181 (*F. integra* subgroup); Dlussky, 1965a: 15 (Mongolia and Tibet species key); Dlussky, 1967a: 39 (**Palaearctic species key**); Dlussky, 1967b: 80 (*Baltic

Amber species key); Bernard, 1967: 285 (diagnosis, Western Europe species key); Buren, 1968a: 36 (Nearctic *F. sanguinea* group species key); van Boven, 1970b: 34 (Netherlands species key); Dlussky & Pisarski, 1971: 204 (Poland species key); Francoeur, 1973: 272 (*F. fusca* group **Nearctic, all species revision, key**); Bolton & Collingwood, 1975: 6 (Britain species key); Tarbinsky, 1976: 177 (Kyrgyzstan species key); van Boven, 1977: 94 (Belgium species key); Kutter, 1977c: 236 (Switzerland species key); Arnol'di & Dlussky, 1978: 552 (former European U.S.S.R. species key); Collingwood, 1978: 93 (Iberian Peninsula species key); Collingwood, 1979: 112 (Fennoscandia & Denmark species key); Douwes, 1979: 187 (*F. rufa* group systematics); Kupyanskaya, 1980: 95 (Far Eastern Russia species key); Allred, 1982: 446 (U.S.A., Utah species key); Kupyanskaya, 1984: 103 (Far Eastern Russia *F. truncorum* complex, key); Snelling & Buren, 1985: 71 (*F. sanguinea* group **Nearctic, all species key**); Gösswald, 1985: 274 (Germany species key); Wheeler, G.C. & Wheeler, J. 1986g: 76 (U.S.A., Nevada species key); Nilsson & Douwes, 1987: 74 (Norway species key); Agosti & Collingwood, 1987b: 285 (Balkans species key); Gösswald, 1989: 49 (*F. rufa* group taxonomy); Agosti & Bolton, 1990b: 149 (characters); Wu, J. 1990: 4 (China species key); Dlussky, *et al.* 1990: 138 (Turkmenistan species key); Kupyanskaya, 1990: 174 (Far Eastern Russia species key); Morisita, *et al.* 1991: 31 (Japan species key); Atanasov & Dlussky, 1992: 255 (Bulgaria species key); Agosti, 1994a: 106 (diagnosis, review of genus); Radchenko, 1994b: 112 (South Siberia species key); Arakelian, 1994: 89 (Armenia species key); Bolton, 1995a: 1049 (census); Douwes, 1995: 94 (Sweden species key); Kupyanskaya, 1995: 353 (Far Eastern Russia species key); Wu, J. & Wang, 1995: 138 (China species key); Seifert, 1996b: 201 (Central Europe species key); Skinner & Allen, 1996: 41 (Britain species key); Dlussky, 1997: 55 (in Baltic amber genera key); Collingwood & Prince, 1998: 25 (Portugal species key); Tinaut, A. & Martínez-Ibáñez, 1998: 36 (Iberian Peninsula *F. rufa*, *F. sanguinea* & *F. exsecta* groups, key); Seifert, 2000a: 563 (*F. (Coptoformica) Palaearctic, all species key*); Czechowski, *et al.* 2002: 148 (Poland species key); Chang & He, 2002a: 51 (northwest China species key); Seifert, 2002b: 267 (*F. cinerea* group revision, key); Mackay & Mackay, 2002: 277 (U.S.A., New Mexico species key); Bolton, 2003: 127 (synopsis); Radchenko, 2005b: 188 (North Korea species key); Seifert, 2007: 176 (North and Central Europe species key); Trager, MacGown & Trager, 2007: 627 (*F. pallidefulva* group key); Dlussky, 2008a: 57 (Europe Eocene amber species key); Terayama, 2009: 224 (Taiwan species key); Seifert & Schultz, 2009: 258 (*F. rufibarbis* group key); Czechowski, *et al.* 2012: 371 (Poland species key); Dlussky & Putyatina, 2014: 254 (diagnosis, compression fossils); Radchenko, 2016: 276 (Ukraine species key).

FORMICINA [junior synonym of *Formica*]

Formicina Shuckard, in Swainson & Shuckard, 1840: 172. Type-species: *Formica rufa* Linnaeus, 1761: 426, by subsequent designation of Wheeler, W.M. 1911f: 164.

Taxonomic history

[Type-species not *Formica flava* Fabricius, 1782: 491, unjustified subsequent designation by Emery, 1916a: 61 (footnote); repeated by Emery, 1916b: 239 (footnote), Wheeler, W.M. 1916k: 170, Emery, 1917a: 96.]

Formicina in Camponotinae, Formicini: Forel, 1917: 249.

Formicina in Camponotinae, Prenolepidini: Emery, 1916b: 239.

Formicina as replacement name for *Lasius* Fabricius: Emery, 1916a: 60; Emery, 1916b: 239; Bondroit, 1918: 19.

Formicina as genus: Emery, 1916a: 61; Emery, 1916b: 239; Forel, 1917: 249; Bondroit, 1918: 19.

Formicina as subgenus of *Lasius*: Wheeler, W.M. 1916k: 172.

Formicina as junior synonym of *Lasius*: Emery, 1925b: 226; Brown, 1973b: 180 [provisional]; Hölldobler & Wilson, 1990: 18; Tang, J., Li, *et al.* 1995: 108.

Formicina as junior synonym of *Acanthomyops*: Donisthorpe, 1916c: 276; Donisthorpe, 1927b: 209.

Formicina as junior synonym of *Formica*: Wheeler, W.M. 1911c: 860; Wheeler, W.M. 1911f: 164; Donisthorpe, 1916c: 276 (in text); Donisthorpe, 1943f: 646; Agosti, 1994a: 106; Bolton, 1994: 50; Bolton, 1995b: 30; Bolton, 2003: 128.

[Note (i): *Formica* and *Formicina* share the same type-species, synonymy is therefore absolute.]

[Note (ii): genus *Formicina* Canestrini, 1873: 52, a junior homonym of *Formicina* Shuckard, 1840, is arachnid.]

***FORMICITES** [Formicinae: collective group name]

**Formicites* Dlussky, 1981: 75. [as collective group name.]

**Formicites incertae sedis* in Formicidae: Hölldobler & Wilson, 1990: 19.

**Formicites* as collective group name in Formicinae: Bolton, 1995b: 30; Bolton, 2003: 131.

**Formicites* material absorbed into **Eoformica*: Dlussky & Rasnitsyn, 2002: 424.

[Note: this name is not cognate with the early family-group name *Formicites* Lepeletier de Saint-Fargeau, 1835: 197.]

***FORMICIUM** [*Formiciinae: collective group name]

**Formicum* Westwood, 1854: 393. [Collective group name.]

Taxonomic history

**Formicum* Westwood, 1854: 393. Type-species: **Formicum brodiei* Westwood, 1854: 393.

**Formicum* in *Pseudosiricidae: Handlirsch, 1906: 577; Abe & Smith, 1991: 34 (error).

**Formicum* in Formicidae: Cockerell, 1920: 279.

**Formicum* in *Formiciinae: Lutz, 1986: 181; Hölldobler & Wilson, 1990: 17; Lutz, 1990: 61; Bolton, 1994: 187; Bolton, 1995b: 30; Bolton, 2003: 76, 262.

**Formicum* as collective group name in *Formiciinae: Archibald, *et al.* 2011: 3681.

**Formicum* as junior synonym of *Ponera*: Dalla Torre, 1893: 37.

**Formicum* as junior synonym of **Pseudosirex*: Handlirsch, 1906: 577 (error).

**Formicum* as senior synonym of **Pseudosirex*: Hölldobler & Wilson, 1990: 17 (error).

**Formicum* as genus: Cockerell, 1920: 279; Lutz, 1986: 182; Hölldobler & Wilson, 1990: 17; Lutz, 1990: 61; subsequent authors; Bolton, 1995b: 30, 206; Bolton, 2003: 76, 262.

**Formicum* as senior synonym of **Eoponera*: Lutz, 1986: 182; Bolton, 1995b: 30; Bolton, 2003: 262.

**Formicum* as senior synonym of **Megapterites*: Lutz, 1990: 61; Bolton, 1995b: 30; Bolton, 2003: 262.

FORMICOXENUS [Myrmicinae: Crematogastrini]

Formicoxenus Mayr, 1855: 413. Type-species: *Myrmica nitidula* Nylander, 1846b: 1058, by monotypy.

Taxonomic history

Formicoxenus in Myrmicinae: Mayr, 1855: 413 [Myrmicidae]; Dalla Torre, 1893: 62 [Myrmicinae]; Emery, 1896e: 184 [Myrmicinae].

Formicoxenus in Myrmicinae, Myrmicini: Emery, 1895j: 769; Wheeler, W.M. 1910g: 139.

Formicoxenus in Myrmicinae, Stenammini: Ashmead, 1905b: 383.

Formicoxenus in Myrmicinae, Leptothoracini: Emery, 1914a: 42; Emery, 1916b: 189; Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 264; subsequent authors.

Formicoxenus in Myrmicinae, Formicoxenini: Forel, 1893a: 165; Bolton, 1994: 105; Bolton, 1995b: 30; Bolton, 2003: 70, 246.

Formicoxenus in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Formicoxenus* genus group: Blaimer, *et al.* 2018: 5.

Formicoxenus as subgenus of *Myrmica*: Smith, F. 1858b: 121.

Formicoxenus as junior synonym of *Stenamma*: Mayr, 1863: 454; Roger, 1863b: 25; Emery & Forel, 1879: 457.

Formicoxenus as junior synonym of *Leptothorax*: Brown, 1973b: 180 [provisional].

Formicoxenus as genus: Mayr, 1855: 413; André, 1882c: 273; Dalla Torre, 1893: 62; Forel, 1893a: 165; Emery, 1895j: 769; Emery, 1896e: 184; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 139; Emery, 1914a: 42; Emery, 1916b: 189; Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 264; subsequent authors; Francoeur, *et al.* 1985: 343; Hölldobler & Wilson, 1990: 13; Bolton, 1994: 105; Bolton, 1995b: 30; Bolton, 2003: 70, 246; Ward, *et al.* 2015: 77; Blaimer, *et al.* 2018: 5.

Formicoxenus as senior synonym of *Symmyrmica*: Francoeur, *et al.* 1985: 347; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 30; Bolton, 2003: 246.

***Formicoxenus* catalogues:** Dalla Torre, 1893: 62; Emery, 1924d: 263, 264 (*Symmyrmica*, *Formicoxenus*); Smith, M.R. 1951a: 822 (*Symmyrmica*); Smith, D.R. 1979: 1398 (*Symmyrmica*); Bolton, 1995b: 206.

***Formicoxenus* references:** André, 1882c: 273 (Europe & Algeria species); Emery, 1924d: 263, 264 (*Symmyrmica*, *Formicoxenus* diagnoses); Bernard, 1967: 225 (diagnosis); Francoeur, *et al.* 1985: 374 (diagnosis, **all species revision, key**); Kupyanskaya, 1990: 148 (Far Eastern Russia species key); Radchenko, 1994b: 111 (South Siberia species key); Mackay & Mackay, 2002: 91 (U.S.A., New Mexico species key).

FORMILA [Embolemidae]

Formila de Romand, 1846: xxxii. Type-species: *Formila chevrolatii* Romand, 1846: xxxii, by monotypy.

Taxonomic history

Formila in Formicidae: de Romand, 1846: xxxii; Dalla Torre, 1893: 193.

***Formila* excluded from Formicidae:** transferred to **Embolemidae** by Muesebeck & Walkley, 1951: 1043; Bolton, 2003: 264.

FORMOSIMYRMA [Myrmicinae: Crematogastrini]

Formosimyrma Terayama, 2009: 158. Type-species: *Formosimyrma lanuyensis* Terayama, 2009: 159, by original designation.

Taxonomic history

Formosimyrma in Myrmicinae, Solenopsidini: Terayama, 2009: 158; in Crematogastrini: Ward, *et al.* 2015: 77.

FROGGATTELLA [Dolichoderinae: Leptomyrmecini]

Froggattella Forel, 1902h: 459. Type-species: *Acantholepis kirbii* Lowne, 1865b: 333, by original designation.

Taxonomic history

Froggattella in Dolichoderinae, Tapinomini: Emery, 1913a: 20; Forel, 1917: 248; Wheeler, W.M. 1922a: 689; Wheeler, W.M. 1936a: 1; subsequent authors; Hölldobler & Wilson, 1990: 17.

Froggattella in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 95; Shattuck, 1994: 97; Bolton, 1994: 26; Bolton, 1995b: 30; Bolton, 2003: 19, 88.

Froggattella in Dolichoderinae, Iridomyrmecini, Iridomyrmecina: Dubovikoff, 2005a: 92.

Froggattella in Dolichoderinae, Leptomyrmecini: Ward, *et al.* 2010: 362.

Froggattella as genus: all authors.

***Froggattella* catalogues:** Emery, 1913a: 20; Taylor & Brown, 1985: 95; Taylor, 1987a: 28; Shattuck, 1994: 97; Bolton, 1995b: 207.

***Froggattella* references:** Emery, 1913a: 20 (diagnosis); Wheeler, W.M. 1936a: 5 (diagnosis, **all species key**); Shattuck, 1992c: 95 (diagnosis, review of genus); Shattuck, 1996b: 43 (diagnosis, **all species revision, key**); Shattuck, 1999: 71 (Australia synopsis); Heterick, 2009: 48 (south-western Australia species key).

FULAKORA [Amblyoponinae]

Fulakora Mann, 1919: 279 [as subgenus of *Stigmatomma*]. Type-species: *Stigmatomma (Fulakora) celata* Mann, 1919: 279, by original designation.

Taxonomic history

Fulakora in Amblyoponinae: Bolton, 2003: 154.

Fulakora as subgenus of *Stigmatomma*: Wheeler, W.M. 1922a: 641; Donisthorpe, 1943f: 646.

Fulakora as junior synonym of *Amblyopone*: Brown, 1960a: 155; Bolton, 1973a: 330; Smith, D.R. 1979: 1334; Ogata, 1987: 103; Hölldobler & Wilson, 1990: 9; Bolton, 1995b: 30; Tang, J., Li, et al. 1995: 24; Bolton, 2003: 154.

Fulakora as junior synonym of *Stigmatomma*: Brown, 1949c: 88; Yoshimura & Fisher, 2012a: 17.

Fulakora as genus: Ward & Fisher, 2016: 691.

Fulakora as senior synonym of *Ericapelta*: Ward & Fisher, 2016: 691.

Fulakora as senior synonym of *Paraprionopelta*: Ward & Fisher, 2016: 691.

Fulakora references: Brown, 1960a: 181 (*Paraprionopelta* review); Kempf, 1972a: 181 (*Paraprionopelta* catalogue); Bolton, 1995b: 312 (*Paraprionopelta* catalogue); Ward & Fisher, 2016: 689 (phylogeny); Fernández, Delsinne & Arias-Penna, 2019: 504 (Colombia species key).

[Note: prior to 2016 references that include *Fulakora* species occur under *Amblyopone* and *Stigmatomma*.]

***FURCISUTURA** [*incertae sedis* in Ponerinae]

**Furcisutura* Hong, 2002: 530. Type-species: **Furcisutura wanghuacunensis* Hong, 2002: 530, by original designation.

Taxonomic history

**Furcisutura* in Ponerinae: Hong, 2002: 530.

FURCOTANILLA [junior synonym of *Protanilla*]

Furcotanilla Xu, 2012c: 481. Type-species: *Protanilla furcomandibula* Xu & Zhang, 2002: 140, by original designation.

Taxonomic history

Furcotanilla in Leptanillinae, Anomalomyrmini: Xu, 2012c: 482.

Furcotanilla junior synonym of *Protanilla*: Hsu, P. et al. 2017: 119.

***FUSHUNIFORMICA** [*incertae sedis* in Formicinae]

**Fushuniformica* Hong, 2002: 617. Type-species: **Fushuniformica spinata* Hong, 2002: 617, by original designation.

Taxonomic history

**Fushuniformica* in Formicinae: Hong, 2002: 617.

**Fushuniformica incertae sedis* in Formicinae: Ward, Blaimer & Fisher, 2016: 349.

***FUSHUNOMYRMEX** [*incertae sedis* in Myrmicinae]

**Fushunomyrmex* Hong, 2002: 550. Type-species: **Fushunomyrmex liaoningensis* Hong, 2002: 550, by original designation.

Taxonomic history

**Fushunomyrmex* in Myrmicinae: Hong, 2002: 550.

**Fushunomyrmex incertae sedis* in Myrmicinae: Ward, et al. 2015: 77.

GAESOMYRMEX : unjustified emendation of *Gesomyrmex*.

GALLARDOMYRMA [junior synonym of *Pheidole*]

Gallardomyrma Bruch, 1932: 271. Type-species: *Gallardomyrma argentina* Bruch, 1932: 273, by original designation.

Taxonomic history

Gallardomyrma in Myrmicinae, Pheidolini: Donisthorpe, 1943f: 646.

Gallardomyrma in Myrmicinae, Myrmicini: Kempf, 1972a: 110.

Gallardomyrma as genus: Donisthorpe, 1943f: 646; Kempf, 1972a: 110; Dlussky & Fedoseeva, 1988: 80.

Gallardomyrma as junior synonym of *Pheidole*: Brown, 1973b: 180 [provisional]; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Wilson, 1984: 327; Hölldobler & Wilson, 1990: 15; Brandão, 1991: 344; Ogata, 1991b: 90; Bolton, 1994: 106; Bolton, 1995b: 30; Tang, J., Li, et al. 1995: 54; Bolton, 2003: 235; Wilson, 2003: 6.

GAOLIGONGIDRIS [Myrmicinae: Crematogastrini]

Gaoligongidris Xu, 2012b: 335. Type-species: *Gaoligongodris planidorsa* Xu, 2012b: 336, by original designation.

Taxonomic history

Gaoligongidris in Myrmicinae, Stenammini: Xu, 2012b: 336.

Gaoligongidris in Myrmicinae, Crematogastrini: Ward, et al. 2015: 77.

Gaoligongidris as genus: all authors.

GAUROMYRMEX [Myrmicinae: Crematogastrini]

Gauromyrmex Menozzi, 1933c: 146. Type-species: *Gauromyrmex bengakalisi* Menozzi, 1933c: 146, by monotypy.

Taxonomic history

Gauromyrmex in Myrmicinae, Solenopsidini: Donisthorpe, 1943f: 646; Chapman & Capco, 1951: 161.

Gauromyrmex in Myrmicinae, Formicoxenini: Bolton, 2003: 70, 246.

Gauromyrmex in Myrmicinae, Crematogastrini: Ward, et al. 2015: 77; in Crematogastrini, *Formicoxenus* genus group: Blaimer, et al. 2018: 5.

Gauromyrmex as junior synonym of *Vollenhovia*: Brown, 1973b: 180 [provisional]; Hölldobler & Wilson, 1990: 16; Bolton, 1994: 105; Bolton, 1995b: 30; Tang, J., Li, et al. 1995: 63.

Gauromyrmex as genus: Brown, 1953c: 10; Wu, J. & Wang, 1995: 86; Bolton, 2003: 70, 246, 269.

Gauromyrmex as senior synonym of *Acalama*: Brown, 1953c: 10; Bolton, 1995b: 30; Bolton, 2003: 246.

Gauromyrmex as senior synonym of *Solenomyrma*: Brown, 1953c: 10; Bolton, 1995b: 30; Bolton, 2003: 246.

***Gauromyrmex* catalogues:** Chapman & Capco, 1951: 161 (Asia *Solenomyrma*, *Gauromyrmex*).

***Gauromyrmex* references:** Bolton, 2003: 269 (diagnosis); Eguchi, et al. 2011: 15 (diagnosis, Vietnam synopsis).

GEOGNOMICUS [junior synonym of *Dicroaspis*]

Geognomicus Menozzi, 1924b: 220. Type-species: *Geognomicus wheeleri* Menozzi, 1924b: 220 (junior synonym of *Dicroaspis cryptocera* Emery, 1908b: 185), by original designation.

Taxonomic history

Geognomicus in Myrmicinae, Meranoplini: Menozzi, 1924b: 220; Donisthorpe, 1943f: 647; Wheeler, W.M. 1935a: 7 (in key).

Geognomicus as genus: Donisthorpe, 1943f: 647; Wheeler, G.C. & Wheeler, J. 1985: 257; Dlussky & Fedoseeva, 1988: 81.

Geognomicus as junior synonym of *Dicroaspis*: Bolton, 1981a: 56; Hölldobler & Wilson, 1990: 13; Bolton, 1994: 106; Bolton, 1995b: 30; Bolton, 2003: 203.

***GERONTOFORMICA** [*Sphecomyrminae: *Sphecomyrmini]

**Gerontoformica* Nel & Perrault, in Nel, *et al.* 2004: 24. Type-species: **Gerontoformica cretacica* Nel & Perrault, in Nel, *et al.* 2004: 24, by original designation.

Taxonomic history

**Gerontoformica incertae sedis* in Formicidae: Nel, *et al.* 2004: 24; Barden, 2017: 2.

**Gerontoformica* in *Sphecomyrminae: Perrichot, 2014: 168 (in text).

**Gerontoformica* in *Sphecomyrminae, *Sphecomyrmini: Borysenko, 2017: 15.

**Gerontoformica* as genus: all authors.

**Gerontoformica* as senior synonym of **Sphecomyrmodes*: Barden & Grimaldi, 2016: 4, and in supplemental information (not paginated).

**Gerontoformica* references: Barden, 2017: 2 (checklist).

GESOMYRMEX [Formicinae: Gesomyrmecini]

Gesomyrmex Mayr, 1868b: 50. Type-species: **Gesomyrmex hoernesii* Mayr, 1868b: 52, by monotypy.

Taxonomic history

Gesomyrmex in Formicinae: Mayr, 1868b: 50 [Formicidae].

Gesomyrmex in Camponotinae: Forel, 1878: 376 [Camponotidae]; Dalla Torre, 1893: 175 [Camponotinae]; Emery, 1896e: 187 [Camponotinae].

Gesomyrmex in Camponotinae, Camponotini: Forel, 1893a: 165.

Gesomyrmex in Camponotinae, Oecophyllini: Emery, 1895j: 772; Wheeler, W.M. 1910g: 143.

Gesomyrmex in Gesomyrmecinae, Gesomyrmecini: Ashmead, 1905b: 384 [Gesomyrmicini].

Gesomyrmex in Camponotinae, Gesomyrmecini: Forel, 1912i: 89; Wheeler, W.M. 1915h: 107; Forel, 1917: 249.

Gesomyrmex in Formicinae, Dimorphomyrmecini: Emery, 1925b: 47; Donisthorpe, 1943f: 647.

Gesomyrmex in Formicinae, *Formica* genus group: Agosti, 1991: 295.

Gesomyrmex in Formicinae, Gesomyrmecini: Wheeler, W.M. 1922a: 697; Wheeler, W.M. 1929a: 12; subsequent authors; Hölldobler & Wilson, 1990: 17; Bolton, 1994: 50; Bolton, 1995b: 30; Bolton, 2003: 24, 108; Ward, Blaimer & Fisher, 2016: 347.

Gesomyrmex as genus: all authors.

Gesomyrmex as senior synonym of *Dimorphomyrmex*: Wheeler, W.M. 1929a: 1 (in text); Hölldobler & Wilson, 1990: 17; Bolton, 1995b: 30; Bolton, 2003: 108.

Gesomyrmex as senior synonym of *Gaesomyrmex*: Forel, 1893a: 167; Bolton, 1995b: 30; Bolton, 2003: 108.

[**GAESOMYRMEX**: unjustified emendation of spelling by Dalla Torre, 1893: 175.]

[Note: *Gaesomyrmex* was treated as a junior synonym of *Gesomyrmex* by Forel, 1893a: 167, Bolton, 1995b: 30, Bolton, 2003: 108, but is best regarded as an unjustified emendation.]

***Gesomyrmex* catalogues:** Dalla Torre, 1893: 175, 176 (*Gesomyrmex*, *Dimorphomyrmex*); Emery, 1925b: 46, 47 (*Dimorphomyrmex*, *Gesomyrmex*); Wheeler, W.M. 1929a: 10; Chapman & Capco, 1951: 208 (Asia); Bolton, 1995b: 207.

***Gesomyrmex* references:** Forel, 1878: 376 (diagnosis); Emery, 1925b: 46, 47 (*Dimorphomyrmex*, *Gesomyrmex* diagnoses); Cole, 1949: 76 (all species key); Wheeler, G.C. & Wheeler, J. 1970: 652 (larva diagnosis); Wheeler, G.C. & Wheeler, J. 1976b: 62 (larvae, review & synthesis); Dlussky, 1997: 53 (in Baltic amber genera key); Dlussky, *et al.* 2009: 5, 13 (diagnosis of genus, queens key); Dlussky & Putyatina, 2014: 250 (diagnosis, compression fossils).

GIGANTIOPS [Formicinae: Gigantiopini]

Gigantiops Roger, 1863b: 11. Type-species: *Formica destructor* Fabricius, 1804: 402, by monotypy.

Taxonomic history

Gigantiops in Formicinae: Mayr, 1865: 9 [Formicidae].

Gigantiops in Camponotinae: Forel, 1878: 370 [Camponotidae]; Dalla Torre, 1893: 175 [Camponotinae]; Emery, 1896e: 188 [Camponotinae].

Gigantiops in Gesomyrmecinae, Gigantiopini: Ashmead, 1905b: 384.

Gigantiops in Camponotinae, Oecophyllini: Emery, 1895j: 772; Wheeler, W.M. 1910g: 143; Forel, 1912i: 89; Forel, 1917: 250.

Gigantiops in Formicinae, *Oecophylla* genus group: Agosti, 1991: 295.

Gigantiops in Formicinae, Gigantiopini: Wheeler, W.M. 1922a: 700; Emery, 1925b: 48; Kempf, 1972a: 110; Hölldobler & Wilson, 1990: 18; Brandão, 1991: 344; Bolton, 1994: 50; Bolton, 1995b: 30; Bolton, 2003: 26, 111; Ward, Blaimer & Fisher, 2016: 347.

Gigantiops as genus: all authors.

***Gigantiops* catalogues:** Roger, 1863b: 11; Dalla Torre, 1893: 175; Emery, 1925b: 48; Kempf, 1972a: 110; Bolton, 1995b: 207.

***Gigantiops* references:** Mayr, 1865: 9 (diagnosis); Forel, 1878: 370 (diagnosis); Emery, 1925b: 48 (diagnosis); Wheeler, G.C. & Wheeler, J. 1970: 652 (larva diagnosis); Wheeler, G.C. & Wheeler, J. 1976b: 63 (larvae, review & synthesis); Dlussky & Fedoseeva, 1988: 77 (synoptic classification); Bolton, 1994: 50 (synoptic classification); Bolton, 2003: 25, 111 (diagnosis, synopsis); Baccaro, *et al.* 2015: 180 (genus in Brazil); Fernández & Ortiz-Sepúlveda, 2019: 735 (Colombia species).

GLAMYROMYRMEX [junior synonym of *Strumigenys*]

Glamyromyrmex Wheeler, W.M. 1915e: 487. Type-species: *Glamyromyrmex beebei* Wheeler, W.M. 1915e: 488, by monotypy.

Taxonomic history

Glamyromyrmex in Myrmicinae, Dacetini, Strumigeniti: Brown & Wilson, 1959b: 282; Brandão, 1991: 344.

Glamyromyrmex in Myrmicinae, Dacetini: Wheeler, W.M. 1915e: 491; Forel, 1917: 246; Wheeler, W.M. 1922a: 667; Emery, 1924d: 326; Donisthorpe, 1943f: 647; Brown, 1948e: 116; Kempf, 1972a: 110; Hölldobler & Wilson, 1990: 13; Brandão, 1991: 344; Bolton, 1995b: 30.

Glamyromyrmex as genus: Wheeler, W.M. 1915e: 491; Forel, 1917: 246; Wheeler, W.M. 1922a: 667; Emery, 1924d: 326; Donisthorpe, 1943f: 647; Brown, 1948e: 116; Brown & Wilson, 1959b: 282; Kempf, 1972a: 110; Bolton, 1983: 320; Hölldobler & Wilson, 1990: 13; Brandão, 1991: 344; Bolton, 1995b: 30.

Glamyromyrmex as junior synonym of *Pyramica*: Bolton, 1999: 1667; Bolton, 2000: 91; Bolton, 2003: 189.

Glamyromyrmex as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 14; Baroni Urbani & De Andrade, 2007: 101.

***GLAPHYROMYRMEX** [Formicinae: Lasiini]

****Glaphyromyrmex*** Wheeler, W.M. 1915h: 131. Type-species: **Glaphyromyrmex oligocenicus* Wheeler, W.M. 1915h: 132, by monotypy.

Taxonomic history

**Glaphyromyrmex* in Camponotinae, Formicini: Wheeler, W.M. 1915h: 131.

**Glaphyromyrmex* in Formicinae, Formicini: Donisthorpe, 1943f: 647; Dlussky, 1967: 86; Dlussky & Fedoseeva, 1988: 77; Bolton, 1994: 50; Bolton, 1995b: 30; Bolton, 2003: 28, 129.

**Glaphyromyrmex* in Formicinae, Formicini + Lasiini: Hölldobler & Wilson, 1990: 18.

**Glaphyromyrmex* in Formicinae, Lasiini: Dlussky, 2008a: 46 (in text); Ward, Blaimer & Fisher, 2016: 347.

**Glaphyromyrmex* as genus: all authors.

****Glaphyromyrmex* references:** Dlussky, 1997: 55 (in Baltic amber genera key).

GLYPHOPONE [junior synonym of *Centromyrmex*]

Glyphopone Forel, 1913b: 308. Type-species: *Glyphopone bequaerti* Forel, 1913b: 308, by monotypy.

Taxonomic history

Glyphopone in Ponerinae, Ponerini: Arnold, 1916: 163; Forel, 1917: 237; Wheeler, W.M. 1922a: 647.

Glyphopone as genus: Arnold, 1916: 163; Forel, 1917: 237; Wheeler, W.M. 1922a: 647; Donisthorpe, 1943f: 647.

Glyphopone as junior synonym of *Centromyrmex*: Brown, 1963: 9; Bolton, 1973a: 336; Hölldobler & Wilson: 1990: 11; Bolton, 1995b: 30; Tang, J., Li, et al. 1995: 33; Bolton, 2003: 160; Bolton & Fisher, 2008c: 4; Schmidt, C.A. & Shattuck, 2014: 165.

GLYPTOMYRMEX [junior synonym of *Myrmicocrypta*]

Glyptomyrmex Forel, 1885a: 365. Type-species: *Glyptomyrmex dilaceratum* Forel, 1885a: 365, by monotypy.

Taxonomic history

Glyptomyrmex in Myrmicinae: Dalla Torre, 1893: 149 [Myrmicinae].

Glyptomyrmex in Myrmicinae, Attini: Forel, 1892d: 344; Forel, 1893a: 164.

Glyptomyrmex as genus: Forel, 1892d: 344; Forel, 1893a: 164 Dalla Torre, 1893: 149.

Glyptomyrmex as junior synonym of *Myrmicocrypta*: Emery, 1894c: 224; Forel, 1899c: 38; Ashmead, 1905b: 383; Wheeler, W.M. 1922a: 669; Emery, 1924d: 336; Donisthorpe, 1943f: 647; Kempf, 1972a: 151; Hölldobler & Wilson, 1990: 14; Bolton, 1995b: 30; Bolton, 2003: 200.

[*GLYPTEMYRMEX*: incorrect subsequent spelling by Ashmead, 1905b: 383.]

GNAMPTOGENYS [Ectatomminae: Ectatommini]

Gnamptogenys Roger, 1863a: 174. Type-species: *Ponera tornata* Roger, 1861a: 15 (junior synonym of *Ponera sulcata* Smith, F. 1858b: 99), by subsequent designation of Emery, 1911d: 44.

Taxonomic history

[Type-species not *Gnamptogenys cincinnum* Mayr, unjustified subsequent designation of a *nomen nudum* by Wheeler, W.M. 1911f: 164; discussed by Emery, 1912d: 271, Wheeler, W.M. 1913a: 79.]

Gnamptogenys in Ponerinae: Mayr, 1865: 15 [Poneridae], Dalla Torre, 1893: 23.

Gnamptogenys in Pachycondylinae, Ectatommini: Ashmead, 1905b: 382.

Gnamptogenys in Ponerinae, Ectatommini: Emery, 1895j: 767; Emery, 1911d: 44; Forel, 1917: 236; Wheeler, W.M. 1922a: 643; subsequent authors; Kempf, 1972a: 111; Hölldobler & Wilson, 1990: 10; Brandão, 1991: 344; Bolton, 1995b: 30.

Gnamptogenys in Ectatomminae, Ectatommini: Bolton, 2003: 46, 173; Feitosa & Prada-Achiardi, 2019: 666.

Gnamptogenys as subgenus of *Ectatomma*: Mayr, 1887: 540; Dalla Torre, 1893: 23; Emery, 1895j: 767; Forel, 1895b: 113; Forel, 1899c: 7; Forel, 1908e: 64; Wheeler, W.M. 1910g: 135; Emery, 1911d: 44; Santschi, 1913h: 33; Gallardo, 1918b: 42; Wheeler, W.M. 1922a: 644; Borgmeier, 1923: 60; Kusnezov, 1956: 14.

Gnamptogenys as genus: Mayr, 1863: 422; Roger, 1863b: 19; Mayr, 1865: 15; Mayr, 1870b: 963; Ashmead, 1905b: 382; Forel, 1917: 236; Brown, 1958g: 211; subsequent authors; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 46, 173.

Gnamptogenys as senior synonym of *Alfaria*: Brown, 1958g: 211; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 174.

Gnamptogenys as senior synonym of *Barbourella*: Brown, 1958g: 212; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 175.

Gnamptogenys as senior synonym of *Commateta*: Brown, 1958g: 212; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 175.

Gnamptogenys as senior synonym of *Emeryella*: Brown, 1958g: 211; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 174.

Gnamptogenys as senior synonym of *Holcoponera* Mayr: Brown, 1958g: 211; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 174.

Gnamptogenys as senior synonym of *Mictoponera*: Brown, 1958g: 212; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 174.

Gnamptogenys as senior synonym of *Opisthoscyphus*: Brown, 1958g: 212; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 175.

Gnamptogenys as senior synonym of *Parectatomma*: Brown, 1958g: 212; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 174.

Gnamptogenys as senior synonym of *Poneracantha*: Brown, 1958g: 211; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 174.

Gnamptogenys as senior synonym of *Rhopalopone*: Brown, 1958g: 211; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 174.

Gnamptogenys as senior synonym of *Spaniopone*: Brown, 1958g: 212; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 174.

Gnamptogenys as senior synonym of *Stictoponera*: Brown, 1958g: 211; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 173.

Gnamptogenys as senior synonym of *Tammoteca*: Brown, 1958g: 212; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 175.

Gnamptogenys as senior synonym of *Wheeleripone*: Brown, 1958g: 212; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 30; Bolton, 2003: 174.

***Gnamptogenys* catalogues:** Roger, 1863b: 19; Mayr, 1863: 422; Emery, 1911d: 34, 40, 43, 44, 46, 46, 47 (*Rhopalopone*, *Holcoponera*, *Ectatomma* (*Poneracantha*), *Ectatomma* (*Parectatomma*) & *E.* (*Gnamptogenys*), *Emeryella*, *Alfaria*, *Stictoponera*); Chapman & Capco, 1951: 26, 29 (Asia *Rhopalopone*, *Stictoponera*); Smith, M.R. 1951a: 783 (North America); Kempf, 1972a: 111 (Neotropical); Smith, D.R. 1979: 1337 (North America); Taylor & Brown, 1985: 30 (Australia); Taylor, 1987a: 28 (Australia); Brandão, 1991: 344 (Neotropical); Bolton, 1995b: 208.

***Gnamptogenys* references:** Mayr, 1865: 15 (diagnosis); Mayr, 1870b: 963 (all species key); Mayr, 1887: 540 (diagnosis); Emery, 1889b: 494 (*Ectatomma* (*Stictoponera*) species key); Emery, 1896g: 43, 44 (*G. (Holcoponera)*, *G. (Gnamptogenys)* species keys); Forel, 1900d: 316 (*Stictoponera* India & Sri Lanka species key); Bingham, 1903: 82 (India, Sri Lanka & Burma species key); Emery, 1911d: 34 (*Rhopalopone* diagnosis); Emery, 1911d: 40 (*Holcoponera* diagnosis); Emery, 1911d: 43 (*Ectatomma* (*Poneracantha*) diagnosis); Emery, 1911d: 44 (*Ectatomma* (*Parectatomma*) & *E.* (*Gnamptogenys*) diagnoses); Emery, 1911d: 46 (*Emeryella* & *Alfaria* diagnoses); Emery, 1911d: 47 (*Stictoponera* diagnosis); Gallardo, 1918b: 22, 42 (Argentina species key); Mann, 1919: 286 (*Wheeleripone* species key); Wheeler, W.M. 1924b: 240 (*Rhopalopone* species key); Santschi, 1929h: 471 (*Holcoponera* species key); Brown, 1954h: 1 (*G. coxalis* group species); Brown, 1956: 489 (*Holcoponera* species notes); Brown, 1958g: 211 (revision of genus; **New World species key**: 230; **Old World species key**: 237); Brandão & Lattke, 1990: 489 (*Alfaria* group, status); Lattke,

1990b: 22 (Venezuela species key); Hölldobler & Wilson, 1990: 10 (synoptic classification); Lattke, 1992a: 123 (*G. minuta* group, key); Bolton, 1995a: 1049 (census); Lattke, 1995: 149 (**New World species revision, key**); Wu, J. & Wang, 1995: 36 (China species key); Xu & Zhang, 1996: 56 (China species key); Shattuck, 1999: 185 (Australia synopsis); Zhou, 2001b: 31 (China, Guangxi species key); Lattke, 2004: 51 (**Old World species revision, key**); Lattke, Fernández & Palacio, 2007: 257 (**New World species key**); Lattke, *et al.* 2008: 68 (Colombia species key); Eguchi, *et al.* 2014: 41 (diagnosis, Vietnam synopsis); Baccaro, *et al.* 2015: 172 (genus in Brazil); Chen, *et al.* 2017: 108 (China species key); Feitosa & Prada-Achiardi, 2019: 666 (Colombia species key).

GONEPIMYRMA [junior synonym of *Temnothorax*]

Gonepimyrma Bernard, 1948: 146 [as subgenus of *Epimyrma*]. Type-species: *Epimyrma (Gonepimyrma) africana* Bernard, 1948: 148, by monotypy.

Taxonomic history

Gonepimyrma as junior synonym of *Epimyrma*: Brown, 1973b: 181 [provisional]; Hölldobler & Wilson, 1990: 13.

Gonepimyrma as subgenus of *Epimyrma*: Bolton, 1995b: 30.

Gonepimyrma as subgenus of *Myrmoxenus*: Bolton, 2003: 249.

Gonepimyrma as junior synonym of *Temnothorax*: Ward, *et al.* 2015: 75 [by implication as both *Myrmoxenus* and *Epimyrma* synonymised under *Temnothorax*].

GONIOMMA [Myrmicinae: Stenammini]

Goniomma Emery, 1895c: 298 [as subgenus of *Stenamma*]. Type-species: *Aphaenogaster blanci* André, 1881a: 60 and xlviii, by subsequent designation of Wheeler, W.M. 1911f: 164.

Taxonomic history

Goniomma in Myrmicinae, Myrmicini: Emery, 1895j: 769.

Goniomma in Myrmicinae, Pheidolini: Emery, 1914a: 40; Forel, 1917: 241; Emery, 1921f: 74 [subtribe Stenammini]; Wheeler, W.M. 1922a: 661; subsequent authors; Bolton, 1995b: 30; Bolton, 2003: 64, 230.

Goniomma in Myrmicinae, Stenammini: Ward, *et al.* 2015: 76.

Goniomma as subgenus of *Stenamma*: Emery, 1895j: 769.

Goniomma as subgenus of *Oxyopomyrmex*: Forel, 1905b: 175; Wheeler, W.M. 1910g: 140.

Goniomma as genus: Emery, 1908e: 460; Emery, 1914a: 40; Forel, 1917: 241; Emery, 1921f: 74; Wheeler, W.M. 1922a: 661; subsequent authors; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 30; Bolton, 2003: 64, 230.

Goniomma catalogues: Emery, 1921f: 74; Bolton, 1995b: 211.

Goniomma references: Emery, 1921f: 74 (diagnosis); Santschi, 1929e: 145 (all species key); Bernard, 1967: 154 (diagnosis, Western Europe species key); Collingwood, 1978: 80 (Iberian Peninsula species key); Acosta Salmerón, 1982: 7 (partial revision); Collingwood & Prince, 1998: 14 (Portugal species key).

GONIOMYRMEX: incorrect subsequent spelling of *Goniothorax*.

GONIOTHORAX [junior homonym, replaced by *Nesomyrmex*]

Goniothorax Emery, 1896g: 58 (diagnosis in key) [as subgenus of *Leptothorax*]. Type-species: *Leptothorax vicinus* Mayr, 1887: 620, by subsequent designation of Wheeler, W.M. 1911f: 164.

Taxonomic history

[Junior homonym of *Goniothorax* Milne-Edwards, 1879: 103 (Crustacea).]

Goniothorax in Myrmicinae, Myrmicini: Ashmead, 1905b: 383.

Goniothorax in Myrmicinae, Leptocephalini: Forel, 1917: 244.

Goniothorax as genus: Ashmead, 1905b: 383.

Goniothorax as subgenus of *Leptocephalox*: Ruzsky, 1905b: 158; Wheeler, W.M. 1910g: 139; Forel, 1917: 244; Wheeler, W.M. 1922a: 679, 890, 1029; Emery, 1924d: 249; Donisthorpe, 1943f: 648; Creighton, 1950a: 259.

Goniothorax as junior synonym of *Leptocephalox*: Bolton, 1982: 319; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 93.

Nesomyrmex Wheeler, W.M. 1910a: 259, **replacement name** for *Goniothorax* Emery.

[Note: *Nesomyrmex* is the oldest junior synonym of *Goniothorax* Emery and hence is first available replacement name (Smith, M.R. 1950: 30; Bolton, 1995b: 30; Bolton, 2003: 249, 272).]

[**GONIOMYRMEX**: incorrect subsequent spelling by Ashmead, 1905b: 383.]

GRACILIDRIS [Dolichoderinae: Leptomyrmecini]

Gracilidris Wild & Cuezzo, 2006: 59. Type-species: *Gracilidris pombero* Wild & Cuezzo, 2006: 62, by original designation.

Taxonomic history

Gracilidris in Dolichoderinae: Wild & Cuezzo, 2006: 57.

Gracilidris in Dolichoderinae, Leptomyrmecini: Ward, et al. 2010: 362.

Gracilidris as genus: all authors.

Gracilidris references: Baccaro, et al. 2015: 138 (genus in Brazil); Guerrero, 2019: 710 (Colombia).

GRANISOLENOPSIS [junior synonym of *Solenopsis*]

Granisolenopsis Kusnezov, 1956: 26 [as subgenus of *Solenopsis*] (diagnosis in key). Type-species: *Solenopsis (Granisolenopsis) granivora* Kusnezov, 1957a: 277, by original designation.

Taxonomic history

[*Granisolenopsis* also described as new by Kusnezov, 1957a: 277.]

Granisolenopsis as junior synonym of *Solenopsis*: Ettershank, 1966: 134; Kempf, 1972a: 232; Bolton, 1973a: 354; Smith, D.R. 1979: 1384; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 108; Bolton, 1995b: 30; Tang, J., Li, et al. 1995: 71; Bolton, 2003: 218.

GRESSORIA [unavailable name]

Gressoria Clark, 1925b: 140 [as “division” of *Myrmecia*]. Unavailable name.

Taxonomic history

Unavailable name (proposed without designation of type-species).

[Note: it is apparent from Clark, 1925b: 140, that *Gressoria* includes exactly the same taxa as the old *Myrmecia* (*Myrmecia*), back when the genus was subdivided into several subgenera. According to Clark, “*Gressoria* contains *M. gulosa*, *vindex*, *forficata*, and their allies”.]

GYMNOMYRMEX [junior synonym of *Strumigenys*]

Gymnomyrmex Borgmeier, 1954b: 279. Type-species: *Gymnomyrmex splendens* Borgmeier, 1954b: 279, by original designation.

Taxonomic history

Gymnomyrmex in Myrmicinae, Dacetini, Strumigeniti: Brown & Wilson, 1959b: 282; Brandão, 1991: 346.

Gymnomyrmex in Myrmicinae, Dacetini: Borgmeier, 1954b: 279; Kempf, 1972a: 116; Hölldobler & Wilson, 1990: 13; Brandão, 1991: 346; Bolton, 1995b: 30.

Gymnomyrmex as genus: Brown & Wilson, 1959b: 282; Kempf, 1972a: 116; Hölldobler & Wilson, 1990: 13; Brandão, 1991: 346; Bolton, 1995b: 30.

Gymnomyrmex as junior synonym of *Pyramica*: Bolton, 1999: 1668; Bolton, 2000: 91; Bolton, 2003: 190.

Gymnomyrmex as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 14; Baroni Urbani & De Andrade, 2007: 103.

HAGENSLA [Ponerinae: Ponerini]

Hagensia Forel, 1901f: 333 [as subgenus of *Megaloponera* (*sic*)]. Type-species: *Megaloponera (Hagensia) havilandi* Forel, 1901f: 333, by monotypy.

Taxonomic history

Hagensia in Ponerinae, Ponerini: Emery, 1911d: 69 [subtribe Pachycondylini]; Forel, 1917: 237 [subtribe Pachycondylini]; subsequent authors; in Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 89.

Hagensia as subgenus of *Megaponera*: Forel, 1901f: 333; Wheeler, W.M. 1910g: 135; Emery, 1911d: 69.

Hagensia as subgenus of *Euponera*: Forel, 1917: 237.

Hagensia as junior synonym of *Pachycondyla*: Brown, in Bolton, 1994: 164; Bolton, 1995b: 30; Bolton, 2003: 167; Mackay & Mackay, 2010: 3.

Hagensia as genus: Arnold, 1926: 202; Donisthorpe, 1943f: 648; Arnold, 1951: 53; Wheeler, G.C. & Wheeler, J. 1985: 256; Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 11; Schmidt, C.A. & Shattuck, 2014: 89.

***Hagensia* catalogues:** Emery, 1911d: 69 (*Megaponera (Hagensia)*); Bolton, 1995b: 302 (as part of *Pachycondyla*); Schmidt, C.A. & Shattuck, 2014: 91 (species checklist); Fisher & Bolton, 2016: 287 (checklist).

***Hagensia* references:** Emery, 1911d: 69 (*Megaponera (Hagensia)* diagnosis); Arnold, 1926: 203 (South Africa species key); Arnold, 1951: 53 (**all species key**); Schmidt, C.A. & Shattuck, 2014: 89 (diagnosis, synopsis); Fisher & Bolton, 2016: 286 (diagnosis).

HAGIOMYRMA [subgenus of *Polyrhachis*]

Hagiomyrma Wheeler, W.M. 1911c: 860 [as subgenus of *Polyrhachis*]. Type-species: *Formica ammon* Fabricius, 1775: 394, by original designation.

Taxonomic history

Hagiomyrma as subgenus of *Polyrhachis*: Wheeler, W.M. 1911c: 860; Forel, 1917: 251; Wheeler, W.M. 1922a: 702; Emery, 1925b: 184; subsequent authors; Dorow, 1995: 24; Bolton, 1995b: 30; Bolton, 2003: 123; Mezger & Moreau, 2016: 374.

***Hagiomyrma* references:** included under *Polyrhachis*.

[Note: world list of species in *P. (Hagiomyrma)*: Emery, 1925b: 184; Dorow, 1995: 24; Bolton, 1995b: 359.]

HAGIOTIGMACROS [junior synonym of *Stigmacros*]

Hagiostigmacros McAreavey, 1957: 19 [as subgenus of *Stigmacros*]. Type-species: *Stigmacros barretti* Santschi, 1928e: 477, by original designation.

Taxonomic history

Hagiostigmacros as junior synonym of *Stigmacros*: Brown, 1973b: 181 [provisional]; Taylor & Brown, 1985: 145; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 30; Bolton, 2003: 99.

HAGIOXENUS [junior synonym of *Tetramorium*]

Hagioxenus Forel, 1910a: 8. Type-species: *Hagioxenus schmitzi* Forel, 1910a: 8, by monotypy.

Taxonomic history

Hagioxenus in Myrmicinae, Solenopsidini: Emery, 1914a: 41 [subtribe Monomoriini]; Forel, 1917: 243; Emery, 1922e: 186 [subtribe Monomoriini]; Wheeler, W.M. 1922a: 662; subsequent authors;

Hagioxenus in Myrmicinae, *Monomorium* genus group: Ettershank, 1966: 81.

Hagioxenus as genus: Emery, 1914a: 41; Forel, 1917: 243; Emery, 1922e: 186; Wheeler, W.M. 1922a: 662; subsequent authors; Ettershank, 1966: 81.

Hagioxenus as junior synonym of *Rhopstromyrmex*: Bolton, 1986a: 2; Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 30; Bolton, 2003: 225.

Hagioxenus as junior synonym of *Tetramorium*: Ward, *et al.* 2015: 75 [by implication as *Rhopstromyrmex* synonymised under *Tetramorium*].

***HAIDOMYRMEX** [*Haidomyrmecinae]

**Haidomyrmex* Dlussky, 1996: 84. Type-species: **Haidomyrmex cerberus* Dlussky, 1996: 86, by original designation.

Taxonomic history

**Haidomyrmex* in *Sphecomyrminae: Dlussky, 1996: 84; Grimaldi, *et al.* 1997: 7.

**Haidomyrmex* in *Sphecomyrminae, *Haidomyrmecini: Bolton, 2003: 74, 261; Barden, 2017: 2; Borysenko, 2017: 18; Cao, Perrichot, *et al.* 2020: 2.

**Haidomyrmex* in *Haidomyrmecinae: Perrichot, Wang & Barden, 2020: 4.

**Haidomyrmex* as genus: all authors.

****Haidomyrmex* references:** Grimaldi, *et al.* 1997: 24 (notes); Engel & Grimaldi, 2005: 11 (diagnosis, comments); Barden & Grimaldi, 2012: 4 (diagnosis); Barden, 2017: 2 (checklist); Cao, Perrichot, *et al.* 2020: 2 (diagnosis).

***HAIDOMYRMODES** [*Haidomyrmecinae]

**Haidomyrmodes* Perrichot, *et al.* 2008: 92. Type-species: **Haidomyrmodes mammuthus* Perrichot, *et al.* 2008: 92, by original designation.

Taxonomic history

**Haidomyrmodes* in *Sphecomyrminae, *Haidomyrmecini: Perrichot, *et al.* 2008: 92; Barden, 2017: 2; Borysenko, 2017: 18.

**Haidomyrmodes* in *Haidomyrmecinae: Perrichot, Wang & Barden, 2020: 4.

**Haidomyrmodes* as genus: all authors.

***HAIDOTERMINUS** [*Haidomyrmecinae]

**Haidotermius* McKellar, *et al.* 2013b: 457. Type-species: **Haidotermius cippus* McKellar, *et al.* 2013b: 458, by original designation.

Taxonomic history

**Haidotermius* in *Sphecomyrminae, *Haidomyrmecini: McKellar, *et al.* 2013b: 457; Barden, 2017: 2; Borysenko, 2017: 18.

**Haidotermius* in *Haidomyrmecinae: Perrichot, Wang & Barden, 2020: 4.

**Haidotermius* as genus: all authors.

HALMAMYRMECIA [junior synonym of *Myrmecia*]

Halmamyrmezia Wheeler, W.M. 1922b: 195 [as subgenus of *Myrmecia*]. Type-species: *Myrmecia pilosula* Smith, F. 1858b: 146, by original designation.

Taxonomic history

Halmamyrmezia as subgenus of *Myrmecia*: Donisthorpe, 1943f: 648.

Halmamyrmezia as junior synonym of *Promyrmezia*: Clark, 1927: 37; Clark, 1943: 84; Clark, 1951: 119.

Halmamyrmezia as junior synonym of *Myrmecia*: Brown, 1953j: 1; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 30; Bolton, 2003: 132.

HARNEDIA [junior synonym of *Cephalotes*]

Harnedia Smith, M.R. 1949c: 20 [as subgenus of *Paracryptocerus*]. Type-species: *Cryptocerus umbraculatus* Fabricius, 1804: 420, by original designation.

Taxonomic history

Harnedia in Myrmicinae, Cephalotini: Smith, M.R. 1949c: 20; Kempf, 1951: 233.

Harnedia as subgenus of *Paracryptocerus*: Smith, M.R. 1949c: 20; Kempf, 1951: 233.

Harnedia as junior synonym of *Paracryptocerus*: Kempf, 1972a: 7, 175.

Harnedia as junior synonym of *Zacryptocerus*: Kempf, 1973c: 460; Hölldobler & Wilson, 1990: 16; Brandão, 1991: 384; Bolton, 1995b: 30.

Harnedia as junior synonym of *Cephalotes*: De Andrade & Baroni Urbani, 1999: 59; Bolton, 2003: 195.

HARPAGOXENUS [Myrmicinae: Crematogastrini]

Harpagoxenus Forel, 1893a: 167 (in text).

Taxonomic history

[Replacement name for *Tomognathus* Mayr, 1861: 56; junior homonym of *Tomognathus* Agassiz, 1850: 376 (Pisces).]

Harpagoxenus in Myrmicinae, Stenammini: Ashmead, 1905b: 383.

Harpagoxenus in Myrmicinae, Myrmicini: Wheeler, W.M. 1910g: 139.

Harpagoxenus in Myrmicinae, Leptocephalini: Emery, 1914a: 42; Emery, 1916b: 191; Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 265; Smith, D.R. 1979: 1398.

Harpagoxenus in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 31; Bolton, 2003: 70, 247.

Harpagoxenus in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Formicoxenus* genus group: Blaimer, *et al.* 2018: 5.

Harpagoxenus as genus: all authors.

Harpagoxenus catalogues: Mayr, 1863: 457; Emery & Forel, 1879: 457 (Europe); Dalla Torre, 1893: 63; Emery, 1924d: 265; Smith, M.R. 1951a: 822 (North America); Smith, D.R. 1979: 1398 (North America); Bolton, 1995b: 211.

Harpagoxenus references: Mayr, 1865: 23 (diagnosis); André, 1882c: 279 (Europe & Algeria species); Emery, 1924d: 265 (diagnosis); Creighton, 1950a: 284 (**Nearctic species key**); Bernard, 1967: 223 (diagnosis); Radchenko, 1994b: 112 (South Siberia species key); Xu, 2012a: 21 (**all species key**).

HARPEGNATHOS [Ponerinae: Ponerini]

Harpegnathos Jerdon, 1851: 116. Type-species: *Harpegnathos saltator* Jerdon, 1851: 117, by monotypy.

Taxonomic history

[*Harpegnathos* description duplicated in Jerdon, 1854b: 100.]

Harpegnathos in Odontomachidae: Smith, F. 1871a: 320.

Harpegnathos in Ponerinae: Emery, 1896e: 177 [Ponerinae].

Harpegnathos in Ponerinae, Ponerini: Wheeler, W.M. 1910g: 135; Emery, 1911d: 58 [subtribe Harpegnathini]; Forel, 1917: 237 [subtribe Harpegnathini]; Wheeler, W.M. 1922a: 646; subsequent authors; Bolton, 1995b: 31; Bolton, 2003: 44, 162; in Ponerini, *Harpegnathos* genus group: Schmidt, C.A. & Shattuck, 2014: 53.

Harpegnathos as subgenus of *Drepanognathus*: Smith, F. 1871a: 320.

Harpegnathos as junior synonym of *Drepanognathus*: Mayr, 1863: 408; Dalla Torre, 1893: 22; Bingham, 1903: 49.

[Note: Mayr, Dalla Torre, and Bingham give *Drepanognathus* as senior synonym, but *Harpegnathos* has priority.]

Harpegnathos as senior synonym of *Drepanognathus*: Roger, 1861a: 32; Roger, 1863b: 22; Forel, 1893a: 166; Forel, 1900c: 63; Emery, 1911d: 58; subsequent authors; Bolton, 1995b: 27; Bolton, 2003: 162; Schmidt, C.A. & Shattuck, 2014: 54.

Harpegnathos as genus: Emery, 1896e: 177; Emery, 1911d: 58; Forel, 1917: 237; subsequent authors; Bolton, 2003: 162; Schmidt, C.A. & Shattuck, 2014: 54.

[*HAPEGNATHUS*: incorrect subsequent spelling by Roger, 1863b: 22, Dalla Torre, 1893: 22.]

***Harpegnathos* catalogues:** Roger, 1863b: 22; Mayr, 1863: 408, 422 (*Drepanognathus*, *Harpegnathos*); Dalla Torre, 1893: 22; Emery, 1911d: 58; Chapman & Capco, 1951: 66 (Asia); Bolton, 1995b: 212; Schmidt, C.A. & Shattuck, 2014: 57 (species checklist).

***Harpegnathos* references:** Mayr, 1865: 14 (diagnosis); Forel, 1900c: 63 (India & Sri Lanka species key); Bingham, 1903: 50 (India, Sri Lanka & Burma species key); Emery, 1911d: 58 (diagnosis); Bolton, 1994: 164 (synoptic classification); Bolton, 2003: 162 (synopsis); Eguchi, *et al.* 2014: 33 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 54 (diagnosis, synopsis).

***HEDOMYRMA* [subgenus of *Polyrhachis*]**

Hedomyrma Forel, 1915b: 107 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis ornata* Mayr, 1876: 73, by original designation.

Taxonomic history

Hedomyrma as subgenus of *Polyrhachis*: Forel, 1915b: 107; Forel, 1917: 251; Wheeler, W.M. 1922a: 702; Emery, 1925b: 189; subsequent authors; Dorow, 1995: 26; Bolton, 1995b: 31; Bolton, 2003: 124; Mezger & Moreau, 2016: 374.

Hedomyrma as senior synonym of *Dolichorhachis*: Dorow, 1995: 26; Bolton, 2003: 124.

Hedomyrma as senior synonym of *Morleyidris*: Hung, 1967b: 402; Dorow, 1995: 26; Bolton, 1995b: 31; Bolton, 2003: 124.

***Hedomyrma* references:** included under *Polyrhachis*.

[Note: world list of species in *P. (Hedomyrma)*: Emery, 1925b: 189; Dorow, 1995: 26; Bolton, 1995b: 359.]

****HEERIDRIS* [*incertae sedis* in Formicinae]**

****Heeridris*** Dlussky & Putyatina, 2014: 251. Type-species: **Heeridris croaticus* Dlussky & Putyatina, 2014: 251, by original designation.

Taxonomic history

**Heeridris incertae sedis* in Formicinae: Dlussky & Putyatina, 2014: 251; Ward, Blaimer & Fisher, 2016: 349.

***HEMIOPTICA* [subgenus of *Polyrhachis*]**

Hemioptica Roger, 1862a: 238. Type-species: *Hemioptica scissa* Roger, 1862a: 240, by monotypy.

Taxonomic history

Hemioptica in Formicinae: Mayr, 1862: 769 [Formicidae]; Mayr, 1865: 6 [Formicidae].

Hemioptica in Camponotinae: Dalla Torre, 1893: 271 [Camponotinae]; Emery, 1896e: 189 [Camponotinae].

Hemioptica in Camponotinae, Polyrhachidini: Ashmead, 1905b: 384.

Hemioptica in Camponotinae, Camponotini: Emery, 1895j: 772; Wheeler, W.M. 1910g: 144.

Hemioptica as junior synonym of *Polyrhachis*: Mayr, 1872: 138; Forel, 1878: 368; Forel, 1891b: 77.

Hemioptica as subgenus of *Myrma*: Wheeler, W.M. 1911c: 860; Wheeler, W.M. 1911f: 164.

Hemioptica as genus: Roger, 1862a: 238; Mayr, 1862: 769; Mayr, 1863: 422; Roger, 1863b: 9; Mayr, 1865: 6; Dalla Torre, 1893: 271; Emery, 1895j: 772; Emery, 1896d: 369, 378; Emery, 1896e: 189; Ashmead, 1905b: 384; Wheeler, W.M. 1910g: 144; Emery, 1925b: 209; Donisthorpe, 1943f: 649; Chapman & Capco, 1951: 255.

Hemioptica as subgenus of *Polyrhachis*: Forel, 1915b: 107; Forel, 1917: 251; Wheeler, W.M. 1922a: 701; Dorow & Kohout, 1995: 95; Dorow, 1995: 28; Bolton, 1995b: 31; Bolton, 2003: 123; Mezger & Moreau, 2016: 374.

Hemioptica references: included under *Polyrhachis*.

[Note: world list of species in *P. (Hemioptica)*: Dorow, 1995: 29; Bolton, 1995b: 359.]

HENDECAPHEIDOLE [junior synonym of *Pheidole*]

Hendecapheidole Wheeler, W.M. 1922d: 3 [as subgenus of *Pheidole*]. Type-species: *Pheidole tachigaliae* Wheeler, W.M. 1921f: 148, by original designation.

Taxonomic history

Hendecapheidole as subgenus of *Pheidole*: Donisthorpe, 1943f: 649; Kempf, 1972a: 184.

Hendecapheidole as senior synonym of *Cephalomorium*: Santschi, 1925d: 228.

Hendecapheidole as junior synonym of *Pheidole*: Brown, 1973b: 181 [provisional]; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 90; Bolton, 1995b: 31; Tang, J., Li, et al. 1995: 54; Bolton, 2003: 235; Wilson, 2003: 6.

HENDECATELLA [junior synonym of *Carebara*]

Hendecatella Wheeler, W.M. 1927h: 93 [as subgenus of *Oligomyrmex*]. Type-species: *Oligomyrmex (Hendecatella) capreolus* Wheeler, W.M. 1927h: 93, by monotypy.

Taxonomic history

Hendecatella as subgenus of *Oligomyrmex*: Donisthorpe, 1943f: 650.

Hendecatella as junior synonym of *Oligomyrmex*: Ettershank, 1966: 119; Bolton, 1973a: 353; Smith, D.R. 1979: 1389; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 111; Bolton, 1995b: 31; Tang, J., Li, et al. 1995: 74; Bolton, 2003: 215.

Hendecatella as junior synonym of *Carebara*: Fernández, 2004a: 194.

HEPTACONDYLUS [junior synonym of *Myrmicaria*]

Heptacondylus Smith, F. 1857a: 71. Type-species: *Heptacondylus subcarinatus* Smith, F. 1857a: 73, by subsequent designation of Wheeler, W.M. 1911f: 164.

Taxonomic history

Heptacondylus in Poneridae, Myrmicidae: Smith, F. 1858b: 141.

Heptacondylus in Myrmicinae: Smith, F. 1857a: 71 [Myrmicidae]; Mayr, 1862: 755 [Myrmicidae]; Mayr, 1865: 24 [Myrmicidae].

Heptacondylus as genus: Smith, F. 1858b: 141; Mayr, 1862: 755; Mayr, 1863: 422; Roger, 1863b: 27; Mayr, 1865: 24.

Heptacondylus as junior synonym of *Myrmicaria*: Smith, F. 1865: 73 (in text); Mayr, 1866b: 905; Mayr, 1867a: 111; Smith, F. 1871a: 330; Mayr, 1872: 154; Dalla Torre, 1893: 155; Emery 1922e: 121; subsequent authors; Bolton, 1973a: 349; Bolton, 1995b: 31; Bolton, 2003: 243.

HEPTASTRUMA [junior synonym of *Rhopalothrix*]

Heptastruma Weber, 1934a: 54. Type-species: *Heptastruma wheeleri* Weber, 1934a: 55 (junior secondary homonym in *Rhopalothrix*; replacement name: *Rhopalothrix weberi* Brown & Kempf, 1960: 234), by original designation.

Taxonomic history

Heptastruma in Myrmicinae, Dacetini: Weber, 1934a: 54; Donisthorpe, 1943f: 650; Brown, 1948e: 102.

Heptastruma in Myrmicinae, Basicerotini: Brown, 1949f: 94.

Heptastruma as genus: Donisthorpe, 1943f: 650.

Heptastruma as junior synonym of *Rhopalothrix*: Brown & Kempf, 1960: 230; Kempf, 1972a: 226; Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 31; Bolton, 2003: 185.

HERCYNIA [junior synonym of *Wasmannia*]

Hercynia Enzmann, J. 1947a: 43. Type-species: *Hercynia panamana* Enzmann, J. 1947a: 44 (junior synonym of *Tetramorium auropunctatum* Roger, 1863a: 182), by monotypy.

Taxonomic history

Hercynia as junior synonym of *Ochetomyrmex*: Smith, D.R. 1979: 1402.

Hercynia as junior synonym of *Wasmannia*: Brown, 1948d: 102; Bolton, 1973a: 350; Hölldobler & Wilson, 1990: 16; Bolton, 1995b: 31; Bolton, 2003: 201.

HETEROMYRMEX [junior synonym of *Vollenhovia*]

Heteromyrmex Wheeler, W.M. 1920: 53. Type-species: *Vollenhovia rufiventris* Forel, 1901e: 374, by original designation.

Taxonomic history

Heteromyrmex in Myrmicinae, Solenopsidini: Wheeler, W.M. 1922a: 662; Donisthorpe, 1943f: 650.

Heteromyrmex as genus: Wheeler, W.M. 1922a: 675 (in key); Donisthorpe, 1943f: 650.

Heteromyrmex as junior synonym of *Vollenhovia*: Ettershank, 1966: 146; Hölldobler & Wilson, 1990: 16; Ogata, 1991b: 114; Bolton, 1995b: 31; Tang, J., Li, et al. 1995: 63; Bolton, 2003: 206.

**HETEROMYRMEX* [junior homonym, replaced by **Zhangidris*]

**Heteromyrmex* Zhang, J. 1989: 271. Type-species: **Heteromyrmex atopogaster* Zhang, J. 1989: 271, by original designation.

Taxonomic history

[Junior homonym of *Heteromyrmex* Wheeler, W.M. 1920: 53 (Formicidae).]

**Heteromyrmex incertae sedis* in Myrmicinae: Zhang, J. 1989: 271; *incertae sedis* in Formicinae: Hong, Wu & Ren, 2001: 247.

**Zhangidris* Bolton, 2003: 259, replacement name for **Heteromyrmex* Zhang, J.

HETEROPONERA [Heteroponerinae]

Heteroponera Mayr, 1887: 532. Type-species: *Heteroponera carinifrons* Mayr, 1887: 533, by monotypy.

Taxonomic history

Heteroponera in Ponerinae: Dalla Torre, 1893: 43 [Ponerinae].

Heteroponera in Pachycondylinae, Pachycondylini: Ashmead, 1905b: 382.

Heteroponera in Ponerinae, Ectatommini: Emery, 1911d: 35; Forel, 1917: 236; Kempf, 1972a: 117; subsequent authors; Hölldobler & Wilson, 1990: 10; Brandão, 1991: 346; Bolton, 1995b: 31.

Heteroponera in Heteroponerinae: Bolton, 2003: 47, 177.

Heteroponera in Ectatommidae, Heteroponerini: Feitosa & Prada-Achiardi, 2019: 675.

Heteroponera as subgenus of *Acanthoponera*: Forel, 1917: 236.

Heteroponera as junior synonym of *Acanthoponera*: Emery, 1895j: 767; Emery, 1911d: 35; Wheeler, W.M. 1922a: 643; Wheeler, 1923e: 179; Donisthorpe, 1943f: 650.

Heteroponera as genus: Dalla Torre, 1893: 43; Brown, 1952h: 70; Kusnezov, 1956: 13; Brown, 1958g: 194; Kempf, 1972a: 117; subsequent authors; Bolton, 1995b: 31; Bolton, 2003: 47, 177.

Heteroponera as senior synonym of *Anacanthoponera*: Brown, 1952h: 70; Brown, 1958g: 194; Kempf, 1972a: 117; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 31; Bolton, 2003: 177.

Heteroponera as senior synonym of *Paranomopone*: Brown, in Borgmeier, 1957: 112; Brown, 1958g: 194; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 31; Bolton, 2003: 177.

Heteroponera catalogues: Dalla Torre, 1893: 43; Emery, 1911d: 35 (as part of *Acanthoponera*); Kempf, 1972a: 117 (Neotropical); Taylor & Brown, 1985: 30 (Australia); Taylor, 1987a: 28 (Australia, New Zealand); Bolton, 1995b: 212.

Heteroponera references: Emery, 1911d: 35 (diagnosis); Wheeler, W.M. 1923e: 190 (all species key as part of *Acanthoponera*); Brown, 1958g: 194 (review of genus, **Old World species key**: 196; **New World species key**: 196); Brown, 1958h: 17 (New Zealand species); Kempf, 1962a: 31 (**Neotropical species key**); Fernández, 1993: 250 (Colombia species key); Shattuck, 1999: 186 (Australia synopsis); Arias-Penna & Fernández, 2008: 113 (**Neotropical species key**); Heterick, 2009: 142 (south-western Australia species key); Taylor, R.W. 2011: 118 (Australia species groups and *H. leae* group key); Taylor, 2015b: 156 (Australia species groups and *H. relicta* group key); Baccaro, *et al.* 2015: 196 (genus in Brazil); Feitosa & Prada-Achiardi, 2019: 676 (Colombia species key).

HEXDACETON [junior synonym of *Eopostruma*]

Hexadacetum Brown, 1948e: 120. Type-species: *Hexadacetum frosti* Brown, 1948e: 120, by original designation.

Taxonomic history

Hexadacetum in Myrmicinae, Dacetini: Brown, 1949e: 120.

Hexadacetum in Myrmicinae, Dacetini, Eopostrumiti: Brown, 1954b: 465; Brown & Wilson, 1959b: 281.

Hexadacetum as junior synonym of *Eopostruma*: Brown, 1973b: 181 [provisional]; Bolton, 1983: 270; Taylor & Brown, 1985: 63; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 31; Bolton, 1999: 1681; Shattuck, 2000: 53; Bolton, 2003: 187.

HINCKSIDRIS [junior synonym of *Myrmelachista*]

Hincksidris Donisthorpe, 1944b: 59 [as subgenus of *Myrmelachista*].

Taxonomic history

[Replacement name for *Decamera* Roger, 1863a: 166; junior homonym of *Decamera* Mulsant, 1842: 503 (Coleoptera).]

Hincksidris as subgenus of *Myrmelachista*: Kempf, 1972a: 148.

Hincksidris as junior synonym of *Myrmelachista*: Brown, 1973b: 181 [provisional]; Snelling & Hunt, 1976: 110; Smith, D.R. 1979: 1423; Hölldobler & Wilson, 1990: 18; Brandão, 1991: 358; Bolton, 1995b: 31; Bolton, 2003: 103.

HIPHOELTA: incorrect subsequent spelling of *Xiphopelta*.

HIRTOMYRMA [subgenus of *Polyrhachis*]

Hirtomyrma Kohout, 2010: 199 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis hirta* Viehmeyer, 1914b: 59, by original designation.

Taxonomic history

Hirtomyrma as subgenus of *Polyrhachis*: Kohout, 2010: 199.

Hirtomyrma references: included under *Polyrhachis*.

HOLCOMYRMEX [junior synonym of *Trichomyrmex*]

Holcomyrmex Mayr, 1879: 671. Type-species: *Holcomyrmex scabriceps* Mayr, 1879: 672, by subsequent designation of Bingham, 1903: 280.

Taxonomic history

[*Holcomyrmex* Smith, F. 1873: ix. *Nomen nudum*, attributed to Mayr.]

Holcomyrmex in Myrmicinae: Dalla Torre, 1893: 65 [Myrmicinae]; Emery, 1896e: 185 [Myrmicinae].

Holcomyrmex in Myrmicinae, Myrmicini: Emery, 1895j: 769; Ashmead, 1905b: 383.

Holcomyrmex in Myrmicinae, Solenopsidini: Emery, 1922e: 181 [subtribe Monomoriini]; Donisthorpe, 1943f: 650.

Holcomyrmex as genus: Dalla Torre, 1893: 65; Forel, 1903a: 692; Bingham, 1903: 280; Ashmead, 1905b: 383.

Holcomyrmex as subgenus of *Monomorium*: Wheeler, W.M. 1910g: 139; Emery, 1915i: 190; Forel, 1917: 242; Emery, 1922e: 181; Wheeler, W.M. 1922a: 676; Donisthorpe, 1943f: 650.

Holcomyrmex as junior synonym of *Monomorium*: Emery, 1908h: 667; Ettershank, 1966: 82; Bolton, 1973a: 352; Smith, D.R. 1979: 1381; Bolton, 1987: 287, 295; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 104; Bolton, 1995b: 31; Tang, J., Li, et al. 1995: 68; Bolton, 2003: 211.

Holcomyrmex as junior synonym of *Trichomyrmex*: Ward, et al. 2015: 76.

HOLCOPONERA [junior synonym of *Gnamptogenys*]

Holcoponera Mayr, 1887: 540 [as subgenus of *Ectatomma*]. Type-species: *Gnamptogenys striatula* Mayr, 1884: 32, by subsequent designation of Emery, 1911d: 40, Wheeler, W.M. 1911f: 165.

[Note: publication date of Emery, 1911d, is 9.ix.1911; of Wheeler, W.M. 1911f, is 17.x.1911.]

Taxonomic history

Holcoponera in Ponerinae: Dalla Torre, 1893: 23.

Holcoponera in Pachycondylinae, Ectatommini: Ashmead, 1905b: 382.

Holcoponera in Ponerinae, Ectatommini: Emery, 1895j: 767; Emery, 1911d: 40; Forel, 1917: 236; Gallardo, 1918b: 21; Wheeler, W.M. 1922a: 643; subsequent authors.

Holcoponera as subgenus of *Ectatomma*: Mayr, 1887: 540; Dalla Torre, 1893: 23; Emery, 1895j: 767; Forel, 1895b: 113; Wheeler, W.M. 1910g: 135.

Holcoponera as genus: Emery, 1896g: 43; Emery, 1902a: 181; Ashmead, 1905b: 382; Emery, 1911d: 40; Wheeler, W.M. 1913a: 79; Forel, 1917: 236; Gallardo, 1918b: 21; Wheeler, W.M. 1922a: 643; Borgmeier, 1923: 55; Santschi, 1929h: 437; Donisthorpe, 1943f: 651; Brown, 1956: 489; Kusnezov, 1956: 14.

Holcoponera as junior synonym of *Gnamptogenys*: Brown, 1958g: 211; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 31; Bolton, 2003: 174.

HOLCOPONERA [junior homonym, junior synonym of *Cylindromyrmex*]

Holcoponera Cameron, 1891: 92. Type-species: *Holcoponera whymperi* Cameron, 1891: 92, by monotypy.

Taxonomic history

[Unresolved junior homonym of *Holcoponera* Mayr, 1887: 540 (Formicidae).]

Holcoponera Cameron as junior synonym of *Cylindromyrmex*: Forel, 1892f: 256; Dalla Torre, 1893: 16; Forel, 1899c: 4; Emery, 1911d: 14; Emery, 1912d: 272; Wheeler, W.M. 1913a: 80; subsequent authors; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 31; De Andrade, 1998a: 585; Bolton, 2003: 139; Borowiec, M.L. 2016: 106.

HOLOPONE [junior synonym of *Eciton*]

Holopone Santschi, 1925b: 11 [as subgenus of *Eciton*]. Type-species: *Eciton rapax* Smith, F. 1855c: 163, by original designation.

Taxonomic history

Holopone as junior synonym of *Eciton*: Borgmeier, 1936: 55; Donisthorpe, 1943f: 651; Borgmeier, 1955: 162; Kempf, 1972a: 101; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 31; Bolton, 2003: 144; Borowiec, M.L. 2016: 129.

HOPLOMYRMUS [junior synonym of *Myrma*]

Hoplomyrmus Gerstäcker, 1859: 262. Type-species: *Hoplomyrmus schistaceus* Gerstäcker, 1859: 262, by monotypy.

Taxonomic history

[*Hoplomyrmus* also described as new by Gerstäcker, 1862: 508.]

Hoplomyrmus as junior synonym of *Polyrhachis*: Roger, 1861b: 174; Roger, 1863b: 6; Mayr, 1863: 446; Mayr, 1865: 38; Mayr, 1872: 138; Forel, 1878: 368; Forel, 1891b: 77; Dalla Torre, 1893: 257.

Hoplomyrmus as junior synonym of *Myrma*: Wheeler, W.M. 1911c: 860; Wheeler, W.M. 1911f: 165; Wheeler, W.M. 1922a: 993; Emery, 1925b: 198; Donisthorpe, 1943f: 651; Bolton, 1973b: 288; Bolton, 1995b: 31; Bolton, 2003: 123.

***HUAXIAFORMICA** [*incertae sedis* in Formicinae]

**Huaxiaformica* Hong, 2002: 580. Type-species: **Huaxiaformica mallepetiolata* Hong, 2002: 580, by original designation.

Taxonomic history

**Huaxiaformica* in Formicinae: Hong, 2002: 580.

**Huaxiaformica incertae sedis* in Formicinae: Ward, Blaimer & Fisher, 2016: 349.

HUBERIA [Myrmicinae: Crematogastrini]

Huberia Forel, 1890b: cv. Type-species: *Tetramorium striatum* Smith, F. 1876b: 481, by monotypy.

Taxonomic history

Huberia in Myrmicinae: Dalla Torre, 1893: 70 [Myrmicinae]; Emery, 1896e: 184 [Myrmicinae].

Huberia in Myrmicinae, Stenammini: Ashmead, 1905b: 383.

Huberia in Myrmicinae, Solenopsidini: Emery, 1914a: 41 [subtribe Monomoriini]; Forel, 1917: 242 [subtribe Monomoriini]; Emery, 1922e: 165 [subtribe Monomoriini]; Wheeler, W.M. 1922a: 662.

Huberia incertae sedis in Myrmicinae: Ettershank, 1966: 81.

Huberia in Myrmicinae, Pheidolini: Bolton, 1995b: 31 (error).

Huberia in Myrmicinae, Myrmicini: Emery, 1895j: 769; Wheeler, W.M. 1910g: 139; Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106; Bolton, 2003: 62, 220.

Huberia in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Podomyrma* genus group: Blaimer, *et al.* 2018: 7.

Huberia as genus: all authors.

Huberia catalogues: Dalla Torre, 1893: 70; Emery, 1922e: 165; Ettershank, 1966: 155; Taylor, 1987a: 29; Bolton, 1995b: 212.

Huberia references: Emery, 1922e: 165 (diagnosis); Brown, 1958h: 7 (**all species key**); Ettershank, 1966: 155 (diagnosis, review of genus); Don, 2007: 88 (review of species).

HYLIDRIS [junior synonym of *Pristomyrmex*]

Hylidris Weber, 1941a: 190. Type-species: *Hylidris myersi* Weber, 1941a: 190 (junior synonym of *Pristomyrmex africanus* Karavaiev, 1931d: 47), by original designation.

Taxonomic history

Hylidris in Myrmicinae, Myrmecinini: Weber, 1941a: 183; Donisthorpe, 1943f: 651.

Hylidris as genus: Donisthorpe, 1943f: 651.

Hylidris as junior synonym of *Pristomyrmex*: Brown, 1953c: 9; Bolton, 1973a: 348; Bolton, 1981b: 282; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 122; Bolton, 1995b: 31; Tang, J., Li, *et al.* 1995: 61; Bolton, 2003: 256.

HYLOMYRMA [Myrmicinae: Pogonomyrmecini]

Hylomyrma Forel, 1912g: 16 [as subgenus of *Pogonomyrmex*]. Type-species: *Pogonomyrmex (Hylomyrma) columbicus* Forel, 1912g: 16, by original designation.

Taxonomic history

Hylomyrma in Myrmicinae, Myrmicini: Emery, 1921f: 49; Wheeler, W.M. 1922a: 660; subsequent authors; Bolton, 1995b: 31; Bolton, 2003: 62, 220.

Hylomyrma in Myrmicinae, Pogonomyrmecini: Ward, *et al.* 2015: 76.

Hylomyrma as subgenus of *Pogonomyrmex*: Forel, 1912g: 16; Forel, 1917: 240; Emery, 1921f: 49; Donisthorpe, 1943f: 651; Kusnezov, 1951a: 245; Kusnezov, 1956: 18.

Hylomyrma as genus: Wheeler, W.M. 1922a: 660 (in key); Borgmeier, 1927c: 77; Brown, 1953h: 3; Kempf, 1964e: 54; Kempf, 1972a: 118; Brandão, 1991: 346; Bolton, 1995b: 31; Bolton, 2003: 62, 220.

Hylomyrma as senior synonym of *Lundella*: Brown, 1953h: 3; Kempf, 1972a: 118; Hölldobler & Wilson, 1990: 13; Bolton, 2003: 221.

Hylomyrma catalogues: Emery, 1921f: 49 (*Pogonomyrmex (Hylomyrma)*); Emery, 1924d: 292 (*Lundella*); Kempf, 1972a: 118; Brandão, 1991: 346; Bolton, 1995b: 213.

Hylomyrma references: Emery, 1921f: 49 (*Pogonomyrmex (Hylomyrma)* diagnosis); Emery, 1924d: 292 (*Lundella* diagnosis); Kempf, 1964e: 54 (all species key); Kempf, 1973b: 258 (diagnosis, all species revision, key); Kutter, 1977a: 86 (all species key); Baccaro, *et al.* 2015: 282 (genus in Brazil); Fernández & Serna, 2019: 796 (Colombia species key).

HYPERCOLOBOPSIS [subgenus of *Camponotus*]

Hypercolobopsis Emery, 1920b: 250 [as subgenus of *Camponotus*]. Type-species: *Colobopsis paradoxa* Mayr, 1866b: 887, by original designation.

Taxonomic history

Hypercolobopsis as subgenus of *Camponotus*: Emery, 1920b: 250; Wheeler, W.M. 1922a: 709; Emery, 1925b: 160; subsequent authors; Bolton, 1995b: 31.

Hypercolobopsis as senior synonym of *Neocolobopsis*: Kempf, 1968b: 411; Kempf, 1972a: 43; Bolton, 1995b: 31; Bolton, 2003: 117.

Hypercolobopsis references: included under *Camponotus*.

[Note: world list of species in *C. (Hypercolobopsis)*: Emery, 1920b: 260; Emery, 1925b: 160; Bolton, 1995b: 131.]

HYPPOCHIRA [*incertae sedis* in Formicidae]

Hypochira Buckley, 1866: 169 [as subgenus of *Formica*]. Type-species: *Formica (Hypochira) subspinosa* Buckley, 1866: 169, by monotypy.

Taxonomic history

Hypochira in Formicinae, Formicini: Donisthorpe, 1943f: 652.

Hypochira as junior synonym of *Dolichoderus*: Emery, 1895c: 338; Emery, 1925b: 271.

Hypochira as junior synonym of *Formica*: Dalla Torre, 1893: 192; Forel, 1899c: 127; Wheeler, W.M. 1911f: 165; Donisthorpe, 1943f: 652; Agosti, 1994a: 106; Tang, J., Li, *et al.* 1995: 103.

Hypochira incertae sedis in Dolichoderinae: Smith, D.R. 1979: 1422.

Hypochira unidentifiable taxon, incertae sedis in Formicidae: Bolton, 1995b: 31; Bolton, 2003: 263.

HYPOCLINEA [junior synonym of *Dolichoderus*]

Hypoclinea Mayr, 1855: 377 (attributed to Foerster). Type-species: *Formica quadripunctata* Linnaeus, 1771: 541, by subsequent designation of Wheeler, W.M. 1911f: 165.

Taxonomic history

Hypoclinea in Formicidae: Smith, F. 1858b: 57.

Hypoclinea in Formicinae: Mayr, 1855: 377 [Formicidae]; Mayr, 1861: 40 [Formicidae]; Mayr, 1862: 652 (in key) [Formicidae]; Mayr, 1865: 9 [Formicidae]; Mayr, 1868b: 53 [Formicidae]; Dours, 1873: 166 [Formicidae]; André, 1874: 168 [Formicidae]; Forel, 1874: 59 [Formicidae].

Hypoclinea in Hypoclineidae: Emery, 1877a: 78.

Hypoclinea in Dolichoderidae: Ashmead, 1905b: 384.

Hypoclinea in Dolichoderinae, Dolichoderini: Emery, 1913a: 18; Forel, 1917: 247; subsequent authors.

Hypoclinea as genus: Mayr, 1855: 377; Smith, F. 1858b: 57; Mayr, 1861: 40; Mayr, 1863: 423; Roger, 1863b: 14; Mayr, 1865: 9; Mayr, 1868b: 53; Mayr, 1870b: 953; Smith, 1871a: 310; Forel, 1874: 59; Mayr, 1876: 79; Ashmead, 1905b: 384; Kempf, 1972a: 118; Lattke, 1987b: 259; Dlussky & Fedoseeva, 1988: 78; Mackay & Vinson, 1989b: 17; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 347; Wu, J. & Wang, 1995: 120.

Hypoclinea as subgenus of *Dolichoderus*: Emery, 1894c: 234; Wheeler, W.M. 1910g: 142; Emery, 1913a: 10; Wheeler, W.M. 1915h: 77; Emery, 1916b: 210; Forel, 1917: 247; Borgmeier, 1923: 84; Clark, 1930b: 252; Santschi, 1932b: 16; Wheeler, W.M. 1935c: 69; Donisthorpe, 1943f: 652; McAreavey, 1949: 17; Creighton, 1950a: 331; Chapman & Capco, 1951: 182; Kusnezov, 1956: 28; Kusnezov, 1959: 50; Smith, D.R. 1979: 1415; Kupyanskaya, 1990: 154.

Hypoclinea as junior synonym of *Dolichoderus*: Forel, 1878: 386; Emery & Forel, 1879: 455; Dalla Torre, 1893: 156; Bingham, 1903: 291; Ruzsky, 1905b: 129; Brown, 1973b: 181 [provisional]; Shattuck, 1992c: 66; Mackay, 1993b: 6; Shattuck, 1994: 39; Bolton, 1994: 26; Bolton, 1995b: 31; Xu, 1995a: 34; Bolton, 2003: 85.

HYPOCRYPTOCERUS [junior synonym of *Cephalotes*]

Hypocryptocerus Wheeler, W.M. 1920: 53 [as subgenus of *Cryptocerus*]. Type-species: *Formica haemorrhoidalis* Latreille, 1802c: 276, by original designation.

Taxonomic history

Hypocryptocerus in Myrmicinae, Cryptocerini: Wheeler, W.M. 1922a: 665; Wheeler, W.M. 1936b: 200; Donisthorpe, 1943f: 652.

Hypocryptocerus in Myrmicinae, Cephalotini: Kempf, 1951: 143; Kempf, 1972a: 120.

Hypocryptocerus as subgenus of *Cryptocerus*: Wheeler, W.M. 1920: 53; Wheeler, W.M. 1922a: 665; Donisthorpe, 1943f: 652.

Hypocryptocerus as genus: Wheeler, W.M. 1936b: 200; Kempf, 1951: 143; Kempf, 1972a: 120; Hölldobler & Wilson, 1990: 13.

Hypocryptocerus as junior synonym of *Zacryptocerus*: Kempf, 1973c: 460; Smith, D.R. 1979: 1402; Brandão, 1991: 347; Bolton, 1995b: 31.

Hypocryptocerus as junior synonym of *Cephalotes*: De Andrade & Baroni Urbani, 1999: 59; Bolton, 2003: 195.

HYPOCYLINDROMYRMEX [junior synonym of *Cylindromyrmex*]

Hypocylindromyrmex Wheeler, W.M. 1924a: 106 [as subgenus of *Cylindromyrmex*]. Type-species: *Cylindromyrmex longiceps* André, 1892a: 47, by original designation.

Taxonomic history

Hypocylindromyrmex as subgenus of *Cylindromyrmex*: Donisthorpe, 1943f: 652; Kempf, 1972a: 91.

Hypocylindromyrmex as junior synonym of *Cylindromyrmex*: Brown, 1973b: 181 [provisional]; Brown, 1975: 36; Hölldobler & Wilson, 1990: 10; Brandão, 1991: 339; Bolton, 1995b: 32; De Andrade, 1998a: 585; Bolton, 2003: 139; Borowiec, M.L. 2016: 106.

HYPOPHEIDOLE [*Nomen nudum*]

Hypopheidole Ashmead, 1905b: 383. *Nomen nudum*.

Hypopheidole as *nomen nudum*: Bolton, 2003: 265.

****HYPOPOMYRMEX*** [Myrmicinae: Crematogastrini]

**Hypopomyrmex* Emery, 1891a: 148. Type-species: **Hypopomyrmex bombicci* Emery, 1891a: 149, by monotypy.

Taxonomic history

**Hypopomyrmex* in Myrmicinae: Dalla Torre, 1893: 145 [Myrmicinae].

**Hypopomyrmex* in Myrmicinae, Dacetini: Forel, 1892d: 344; Forel, 1893a: 164; Donisthorpe, 1943f: 652; Brown, 1948e: 102.

**Hypopomyrmex* in Myrmicinae, Dacetini, Hypopomyrmeciti: Brown, 1952g: 10 (footnote).

**Hypopomyrmex* in Myrmicinae, Pheidologetini: Brown & Carpenter, 1979: 422; Bolton, 1994: 106 [Pheidologetonini]; Bolton, 1995b: 32.

**Hypopomyrmex incertae sedis* in Myrmicinae: Dlussky & Fedoseeva, 1988: 80.

**Hypopomyrmex incertae sedis* in Myrmicinae, Solenopsidini: Bolton, 2003: 61, 219.

**Hypopomyrmex* in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77.

**Hypopomyrmex* as genus: all authors.

****Hypopomyrmex* references:** Brown & Carpenter, 1979: 422 (genus reassessment).

HYPOPONERA [Ponerinae: Ponerini]

Hypoponera Santschi, 1938b: 79 [as subgenus of *Ponera*]. Type-species: *Ponera abeillei* André, 1881a: 61 and xlviii, by original designation.

Taxonomic history

Hypoponera in Ponerinae, Ponerini: Donisthorpe, 1943f: 652; subsequent authors; Bolton, 2003: 44, 162; Bolton & Fisher, 2011: 7; in Ponerini, *Hypoponera* genus group: Schmidt, C.A. & Shattuck, 2014: 57.

Hypoponera as subgenus of *Ponera*: Santschi, 1938b: 79; Donisthorpe, 1943f: 652.

Hypoponera as genus: Taylor, 1967a: 9; Bolton, 1973a: 336; subsequent authors; Bolton, 2003: 44, 162; Schmidt, C.A. & Shattuck, 2014: 57.

Hypoponera catalogues: Roger, 1863b: 16; Mayr, 1863: 447; Cresson, 1887: 258 (U.S.A.); Dalla Torre, 1893: 37; Emery, 1911d: 90; Wheeler, W.M. 1922a: 780, 1009 (Afrotropical, Malagasy); Chapman & Capco, 1951: 68 (Asia); Smith, M.R. 1951a: 786 (North America); Kempf, 1972a: 121 (Neotropical); Smith, D.R. 1979: 1342 (North America); Taylor & Brown, 1985: 31 (Australia); Taylor, 1987a: 29 (Australia, New Caledonia & New Zealand); Brandão, 1991: 347 (Neotropical); Bolton, 1995b: 213; Schmidt, C.A. & Shattuck, 2014: 61 (species checklist); Fisher & Bolton, 2016: 289 (Afrotropical, Malagasy checklist).

[Note: prior to 1972 catalogues include both *Hypoponera* and *Ponera* species.]

***Hypoponera* references:** Mayr, 1855: 386 (diagnosis); Smith, F. 1858b: 83 (diagnosis); Mayr, 1862: 721 (diagnosis); Mayr, 1865: 13 (diagnosis); Mayr, 1867a: 85 (diagnosis); Forel, 1874: 64 (Switzerland species key); Mayr, 1879: 661 (all species key); André, 1882c: 239 (Europe & Algeria species key); Emery, 1895b: 60 (Mediterranean species key); Emery, 1896g: 53 (New World species key); Emery, 1900c: 316 (Australia, Papuasia & Oceania species key); Forel, 1900d: 322 (India & Sri Lanka species key); Bingham, 1903: 89 (India, Sri Lanka & Burma species key); Emery, 1909c: 367 (Palaearctic species key); Emery, 1911d: 88 (diagnosis); Arnold, 1915: 76, 77 (diagnosis, South Africa species key); Emery, 1916b: 107 (Italy species key); Bondroit, 1918: 81 (France & Belgium species key); Gallardo, 1918b: 73 (Argentina species key); Mann, 1921: 419 (Fiji Is species key); Menozzi, 1931b: 266 (Costa Rica species key); Smith, M.R. 1936: 420 (North America species key); Stitz, 1939: 58 (Germany species key); Creighton, 1950a: 47 (**Nearctic species key**); Bernard, 1953b: 197 (West Africa species key); Wilson, 1958d: 323, 343 (Melanesia

& Moluccas species, Fiji Is species revisions, keys); Brown, 1958h: 22 (New Zealand species); Bernard, 1967: 83 (diagnosis, Western Europe species key); Taylor, 1967a: 9 (*Hypoponera* diagnosis, discussion); Alayo, 1974: 7 (Cuba species key); Kutter, 1977c: 24 (Switzerland species key); Arnol'di & Dlussky, 1978: 524 (former European U.S.S.R. species key); Agosti & Collingwood, 1987b: 265 (Balkans species key); Ogata, 1987: 122 (diagnosis, Japan); Morisita, *et al.* 1989: 25 (Japan species key); Dlussky, *et al.* 1990: 176 (Turkmenistan species key); Atanasov & Dlussky, 1992: 69 (Bulgaria species key); Bolton, 1994: 164 (synoptic classification); Bolton, 1995a: 1050 (census); Wu, J. & Wang, 1995: 40 (China species key); Collingwood & Agosti, 1996: 311 (Saudi Arabia species key); Dlussky, 1997: 51 (in Baltic amber genera key); Kim, *et al.* 1998: 148 (Korea species key); Shattuck, 1999: 187 (Australia synopsis); Bolton, 2003: 162 (synopsis); Terayama, 2009: 113 (Taiwan species key); Heterick, 2009: 133 (south-western Australia species key); Bolton & Fisher, 2011: 7, 17, 23 (diagnosis, **Afrotropical and West Palaearctic, all species revision, keys**); Sarnat & Economo, 2012: 148 (Fiji Is species key); Eguchi, *et al.* 2014: 34 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 58 (diagnosis, synopsis); Bharti, Akbar, Wachkoo & Singh, 2015: 50 (India species key); Baccaro, *et al.* 2015: 322 (genus in Brazil); Fisher & Bolton, 2016: 288 (diagnosis); Dash & Mackay, 2019: 560 (Colombia species key); Fernández & Guerrero, 2019: 520 (Colombia synopsis).

[Note: prior to 1967 references include both *Hypoponera* and *Ponera* species.]

IBEROFORMICA [Formicinae: Formicini]

Iberoformica Tinaut, 1990a: 282 [as subgenus of *Formica*]. Type-species: *Formica subrufa* Roger, 1859: 236, by original designation.

Taxonomic history

Iberoformica in Formicinae: Formicini: Ward, Blaimer & Fisher, 2016: 346.

Iberoformica as junior synonym of *Formica*: Agosti, 1994a: 107; Bolton, 1995b: 32; Bolton, 2003: 128.

Iberoformica as genus: Muñoz-López, *et al.* 2012: 30; Gómez, Lorite, García, *et al.* 2018: 468.

***Iberoformica* references:** Muñoz-López, *et al.* 2012: 30; Gómez, Lorite, García, *et al.* 2018: 465 (diagnosis).

ICHNOMYRMEX: incorrect subsequent spelling of *Ischnomyrmex*.

ICOTHORAX [junior synonym of *Temnothorax*]

Icothorax Hamann & Klemm, 1967: 415 [as subgenus of *Leptothorax*]. Type-species: *Leptothorax (Icothorax) megalops* Hamann & Klemm, 1967: 417, by monotypy.

Taxonomic history

Icothorax as junior synonym of *Chalepoxenus*: Hölldobler & Wilson, 1990: 13.

Icothorax as junior synonym of *Myrafant*: Baroni Urbani, 1978b: 556.

Icothorax as junior synonym of *Leptothorax*: Brown, 1973b: 182 [provisional]; Bolton, 1982: 319; Ogata, 1991b: 94; Bolton, 1994: 105; Bolton, 1995b: 32.

Icothorax as junior synonym of *Temnothorax*: Bolton, 2003: 253, 271.

IDRISELLA [junior synonym of *Carebara*]

Idrisella Santschi, 1937h: 372. Type-species: *Pheidologeton dentiviridis* Forel, 1913f: 192, by original designation.

Taxonomic history

Idrisella in Myrmicinae, Pheidologetini: Donisthorpe, 1943f: 653.

Idrisella as genus: Donisthorpe, 1943f: 652.

Idrisella as junior synonym of *Pheidologeton*: Ettershank, 1966: 115; Bolton, 1973a: 354; Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 32; Tang, J., Li, *et al.* 1995: 75; Bolton, 2003: 217.

Idrisella as junior synonym of *Carebara*: Fischer, *et al.* 2014: 66.

***ILEMOMYRMEX** [*incertae sedis* in Myrmicinae]

**Ilemomyrmex* Wilson, 1985a: 2. Type-species: **Ilemomyrmex caecus* Wilson, 1985a: 3, by original designation.

Taxonomic history

**Ilemomyrmex* in Myrmicinae, Calyptomyrmecini: Dlussky & Fedoseeva, 1988: 80;

**Ilemomyrmex* in Myrmicinae, Stenammini: Bolton, 1994: 106; Bolton, 1995b: 32;

**Ilemomyrmex incertae sedis* in Myrmicinae, Stenammini: Bolton, 2003: 59, 207;

**Ilemomyrmex incertae sedis* in Myrmicinae: Wilson, 1985a: 2; Brandão, 1991: 348; Ward, *et al.* 2015: 77.

**Ilemomyrmex* as genus: all authors.

***IMHOFFIA** [*incertae sedis* in Formicinae]

**Imhoffia* Heer, 1850: 153. Type-species: **Imhoffia nigra* Heer, 1849: 153, by monotypy.

Taxonomic history

[Also described as new by Heer, 1850: 153.]

**Imhoffia incertae sedis* in Camponotinae: Dalla Torre, 1893: 273.

**Imhoffia incertae sedis* in Formicinae: Handlirsch, 1907: 868; Donisthorpe, 1943f: 653; Bolton, 1994: 51; Bolton, 1995b: 32; Bolton, 2003: 28, 131; Ward, Blaimer & Fisher, 2016: 349.

**Imhoffia* as genus: all authors.

INDOMYRMA [Myrmicinae: Crematogastrini]

Indomyrma Brown, 1986: 37. Type-species: *Indomyrma dasypyx* Brown, 1986: 46, by original designation.

Taxonomic history

Indomyrma in Myrmicinae, Stenammini: Bolton, 1994: 106; Bolton, 1995b: 32; Bolton, 2003: 29, 203; Zryanin, 2012: 223.

Indomyrma in Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Vollenhovia* genus group: Blaimer, *et al.* 2018: 7.

Indomyrma as genus: all authors.

Indomyrma catalogues: Bolton, 1995b: 217.

IRENEA [junior synonym of *Myrmatopa*]

Irenea Donisthorpe, 1938e: 502 [as subgenus of *Dolichoderus*]. Type-species: *Dolichoderus (Irenea) omyrmex* Donisthorpe, 1938e: 502, by original designation.

Taxonomic history

Irenea in Dolichoderinae, Dolichoderini: Donisthorpe, 1938e: 502; Donisthorpe, 1943f: 653; Chapman & Capco, 1951: 186.

Irenea as subgenus of *Dolichoderus*: Donisthorpe, 1938e: 502.

Irenea as genus: Donisthorpe, 1941h: 59; Donisthorpe, 1943f: 653; Chapman & Capco, 1951: 186.

Irenea as junior synonym of *Polyrhachis (Myrmatopa)*: Bolton, 1994: 50; Bolton, 1995b: 32; Dorow, 1995: 42; Bolton, 2003: 124.

IRENEELLA [junior synonym of *Tetramorium*]

Ireneella Donisthorpe, 1941i: 175. Type-species: *Ireneella papuensis* Donisthorpe, 1941i: 175 (junior synonym of *Tetramorium melleum* Emery, 1897c: 586), by original designation.

Taxonomic history

Ireneella in Myrmicinae, Tetramoriini: Donisthorpe, 1941i: 175. Donisthorpe, 1943f: 653.

Ireneella incertae sedis in Formicidae: Wheeler, G.C. & Wheeler, J. 1985: 259.

Ireneella as genus: Donisthorpe, 1943f: 653.

Ireneella as junior synonym of *Rhoptromyrmex*: Bolton, 1976: 298; Bolton, 1986a: 2; Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 32; Bolton, 2003: 225.

Ireneella as junior synonym of *Tetramorium*: Ward, *et al.* 2015: 75 [by implication as *Rhoptromyrmex* synonymised under *Tetramorium*].

IRENEIDRIS [junior synonym of *Syllophopsis*]

Ireneidris Donisthorpe, 1943c: 81. Type-species: *Ireneidris myops* Donisthorpe, 1943c: 81 (junior synonym of *Monomorium subcoecum australicum* Forel, 1907a: 20), by original designation.

Taxonomic history

Ireneidris in Myrmicinae, Solenopsidini [subtribe Monomoriini]: Donisthorpe, 1943c: 82.

Ireneidris as genus: Donisthorpe, 1943f: 653.

Ireneidris as junior synonym of *Monomorium*: Ettershank, 1966: 82; Bolton, 1973a: 352; Smith, D.R. 1979: 1381; Bolton, 1987: 287, 298; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 105; Bolton, 1995b: 32; Tang, J., Li, *et al.* 1995: 68; Bolton, 2003: 213.

Ireneidris as junior synonym of *Syllophopsis*: Ward, *et al.* 2015: 73.

IRENEOPONE [junior synonym of *Nesomyrmex*]

Ireneopone Donisthorpe, 1946d: 242. Type-species: *Ireneopone gibber* Donisthorpe, 1946d: 242, by original designation.

Taxonomic history

Ireneopone in Myrmicinae, Tetramoriini: Donisthorpe, 1946d: 243; Wheeler, G.C. & Wheeler, J. 1985: 257.

Ireneopone in Myrmicinae, Myrmecinini: Bolton, 1976: 292.

Ireneopone incertae sedis in Myrmicinae: Dlussky & Fedoseeva, 1988: 81.

Ireneopone in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 32, 217.

Ireneopone as genus: Bolton, 1976: 292; Wheeler, G.C. & Wheeler, J. 1985: 257; Dlussky & Fedoseeva, 1988: 81; Hölldobler & Wilson, 1990: 13; Bolton, 1994: 105; Bolton, 1995b: 32, 217.

Ireneopone as junior synonym of *Nesomyrmex*: Bolton, 2003: 250, 272.

[**TRENEOPONE**: incorrect subsequent spelling by Chapman & Capco, 1951: 178.]

IRIDOMYRMEX [Dolichoderinae: Leptomyrmecini]

Iridomyrmex Mayr, 1862: 653 (diagnosis in key), 702. Type-species: *Formica detecta* Smith, F. 1858b: 36 (junior synonym of *Formica purpurea* Smith, F. 1858b: 40), by subsequent designation of Bingham, 1903: 297.

Taxonomic history

Iridomyrmex in Formicinae: Mayr, 1862: 653 (in key) [Formicidae]; Mayr, 1865: 10 [Formicidae].

Iridomyrmex in Dolichoderinae: Forel, 1878: 381 [Dolichoderidae]; Dalla Torre, 1893: 168 [Dolichoderinae]; Emery, 1895j: 771; Emery, 1896e: 187 [Dolichoderinae]; Forel, 1899c: 102; Wheeler, W.M. 1910g: 142.

Iridomyrmex in Dolichoderidae: Ashmead, 1905b: 384.

Iridomyrmex in Dolichoderinae, Tapinomini: Emery, 1913a: 21; Wheeler, W.M. 1915h: 86; Arnold, 1915: 145; Forel, 1917: 248; Wheeler, W.M. 1922a: 689; Carpenter, 1930: 50; subsequent authors; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 348; Jaffe, 1993: 9.

Iridomyrmex in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 101; Shattuck, 1994: 99; Bolton, 1994: 26; Bolton, 1995b: 32; Bolton, 2003: 19, 88.

Iridomyrmex in Dolichoderinae, Iridomyrmecini, Iridomyrmecina: Dubovikoff, 2005a: 92.

Iridomyrmex in Dolichoderinae, Leptomyrmecini: Ward, *et al.* 2010: 362.

Iridomyrmex as genus: all authors.

***Iridomyrmex* catalogues:** Roger, 1863b: 13; Mayr, 1863: 424; Cresson, 1887: 257 (U.S.A.); Dalla Torre, 1893: 168; Emery, 1913a: 21; Chapman & Capco, 1951: 188 (Asia); Smith, M.R. 1951a: 835 (North America); Kempf, 1972a: 124 (Neotropical); Smith, D.R. 1979: 1417 (North America); Taylor & Brown, 1985: 96 (Australia); Taylor, 1987a: 30 (Australia, New Caledonia & New Zealand); Shattuck, 1994: 99; Bolton, 1995b: 217.

***Iridomyrmex* references:** Mayr, 1865: 10 (diagnosis); Mayr, 1867a: 76 (diagnosis); Forel, 1878: 381 (diagnosis); Forel, 1895e: 467 (India & Sri Lanka species key); Bingham, 1903: 298 (India, Sri Lanka & Burma species key); Emery, 1913a: 21 (diagnosis); Arnold, 1915: 145 (diagnosis); Creighton, 1950a: 341 (**Nearctic species key**); Bernard, 1967: 250 (diagnosis); Shattuck, 1992a: 14 (diagnosis); Shattuck, 1992c: 101 (diagnosis, review of genus); Shattuck, 1993a: 118 (*I. purpureus* group, key); Shattuck, 1993b: 1306 (*I. calvus* group, key); Shattuck, 1996a: 37 (*I. discors* group); Drusky, 1997: 55 (in Baltic amber genera key); Shattuck, 1998: 303 (*I. conifer* group, key); Shattuck, 1999: 72 (Australia synopsis); Andersen, 2007: 24 (Australia species groups); Heterick, 2009: 48 (south-western Australia species key); Heterick & Shattuck, 2011: 22 (diagnosis, **all species revision, key**).

[Note: prior to Shattuck, 1992c, *Iridomyrmex* references may also include species now in *Anonychomyrma*, *Chronoxenus*, *Doleromyrma*, **Eldermyrmex*, *Gracilidris*, *Linepithema*, *Ochetellus*, *Papyrius*, *Philidris*, and **Yantaromyrmex*.]

IROGERA [junior synonym of *Rogeria*]

Irogera Emery, 1915i: 191 [as subgenus of *Rogeria*]. Type-species: *Rogeria procera* Emery, 1896g: 92, by original designation.

Taxonomic history

Irogera in Myrmicinae, Leptothoracini: Forel, 1917: 245; Emery, 1924d: 267; Donisthorpe, 1943f: 653.

Irogera as subgenus of *Rogeria*: Emery, 1915i: 191; Forel, 1917: 245; Wheeler, W.M. 1922a: 677; Emery, 1924d: 267; Donisthorpe, 1943f: 653.

Irogera as genus: Brown, 1953h: 4 (in text); Kempf, 1961d: 436; Kempf, 1964e: 66.

Irogera as junior synonym of *Rogeria*: Kempf, 1965: 185; Kempf, 1972a: 227; Smith, D.R. 1979: 1391; Hölldobler & Wilson, 1990: 15; Kugler, C. 1994: 23; Bolton, 1995b: 32; Bolton, 2003: 204.

IROPONERA [Ponerinae: Ponerini]

Iroponera Schmidt, C.A. & Shattuck, 2014: 196. Type-species: *Iroponera odax* Schmidt, C.A. & Shattuck, 2014: 198, by original designation.

Taxonomic history

Iroponera in Ponerinae, Ponerini, *incertae sedis* in *Ponera* genus group: Schmidt, C.A. & Shattuck, 2014: 196.

ISCHNOMYRMEX [junior synonym of *Pheidole*]

Ischnomyrmex Mayr, 1862: 738. Type-species: *Myrmica longipes* Smith, F. 1857a: 70 (junior secondary homonym; replacement name: *Pheidole singaporensis* Özdikmen, 2010b: 804), by monotypy.

Taxonomic history

Ischnomyrmex in Myrmicinae: Mayr, 1865: 18 [Myrmicidae]; Dalla Torre, 1893: 98.

Ischnomyrmex in Myrmicinae, Myrmicini: Emery, 1895j: 769; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 140.

Ischnomyrmex in Myrmicinae, Pheidolini: Emery, 1914a: 40; Forel, 1917: 241; Emery, 1922e: 113; Wheeler, W.M. 1922a: 661; subsequent authors.

Ischnomyrmex as junior synonym of *Aphaenogaster*: Emery & Forel, 1879: 461; Bingham, 1903: 270.

Ischnomyrmex as subgenus of *Aphaenogaster*: Forel, 1891b: 166; Dalla Torre, 1893: 98; Forel, 1899c: 59; Emery, 1908c: 313; Wheeler, W.M. 1910g: 140.

Ischnomyrmex as subgenus of *Stenamma*: Emery, 1895a: 179 (footnote); Emery, 1895c: 298; Emery, 1895j: 769; Forel, 1902h: 439; Forel, 1903a: 693.

Ischnomyrmex as subgenus of *Pheidole*: Forel, 1913k: 49.

Ischnomyrmex as genus: Mayr, 1862: 738; Mayr, 1863: 424; Roger, 1863b: 27; Mayr, 1865: 18; Mayr, 1866a: 23; Ashmead, 1905b: 383; Stitz, 1911a: 367; Emery, 1914a: 40; Viehmeyer, 1914d: 601; Forel, 1917: 241; Wheeler, W.M. 1922a: 661; Emery, 1922e: 113; Donisthorpe, 1943f: 653; Kusnezov, 1952b: 10 (in key).

Ischnomyrmex as junior synonym of *Pheidole*: Brown, 1973b: 181 [provisional]; Smith, D.R. 1979: 1365; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 32; Tang, J., Li, et al. 1995: 54; Bolton, 2003: 233.

[*ICHNOMYRMEX*: incorrect subsequent spelling by Santschi, 1911e: 123.]

[*ISCHMOMYRMEX*: incorrect subsequent spelling by Forel, 1917: 241.]

***ISHAKIDRIS* [Myrmicinae: Attini]**

Ishakidris Bolton, 1984: 374. Type-species: *Ishakidris ascitaspis* Bolton, 1984: 375, by original designation.

Taxonomic history

Ishakidris in Myrmicinae, *Phalacromyrmex* genus group: Bolton, 1984: 382.

Ishakidris in Myrmicinae, Dacetini: Baroni Urbani & De Andrade, 1994: 31; Baroni Urbani & De Andrade, 2007: 98.

Ishakidris in Myrmicinae, Phalacromyrmecini: Dlussky & Fedoseeva, 1988: 80; Bolton, 1994: 106; Bolton, 1995b: 32; Bolton, 1998: 67; Bolton, 2003: 55, 192.

Ishakidris in Myrmicinae, Attini: Ward, et al. 2015: 77.

Ishakidris as genus: all authors.

Ishakidris catalogues: Bolton, 1995b: 219.

***ISOLCOMYRMEX* [junior synonym of *Trichomyrmex*]**

Isolcomyrmex Santschi, 1917b: 296 [as subgenus of *Monomorium*]. Type-species: *Holcomyrmex santschii* Forel, 1907b: 203, by monotypy. [Senior synonym of *Monomorium santschianum* Ettershank, 1966: 92; unnecessary replacement name.]

Taxonomic history

Isolcomyrmex as subgenus of *Monomorium*: Santschi, 1917b: 296; Wheeler, W.M. 1922a: 676; Donisthorpe, 1943f: 654.

Isolcomyrmex as junior synonym of *Monomorium*: Ettershank, 1966: 82; Bolton, 1973a: 352; Smith, D.R. 1979: 1381; Bolton, 1987: 287, 296; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 105; Bolton, 1995b: 32; Tang, J., Li, et al. 1995: 68; Bolton, 2003: 213.

Isolcomyrmex as junior synonym of *Trichomyrmex*: Ward, et al. 2015: 76 [by implication as type-species transferred to *Trichomyrmex*].

[*ISCHOLCOMYRMEX*: incorrect subsequent spelling by Santschi, 1936a: 32.]

***ISOPHEIDOLE* [junior synonym of *Pheidole*]**

Isopheidole Forel, 1912m: 765 [as subgenus of *Pheidole*]. Type-species: *Myrmica longipes* Smith, F. 1857a: 70 (junior secondary homonym; replacement name: *Pheidole singaporensis* Özdkmen, 2010b: 804), by monotypy.

Taxonomic history

Isopheidole as junior synonym of *Ischnomyrmex*: Forel, 1913b: 350 (in text); Forel, 1913k: 49; Emery, 1922e: 113; Wheeler, W.M. 1922a: 680 (in key); Donisthorpe, 1943f: 654.

[Note: *Ischnomyrmex* and *Isopheidole* share the same type-species, synonymy is therefore absolute.]

Isopheidole as junior synonym of *Pheidole*: Smith, D.R. 1979: 1365; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 32; Tang, J., Li, et al. 1995: 54; Bolton, 2003: 234.

JANETIA [junior homonym, replaced by *Forelomyrmex*]

Janetia Forel, 1899c: 61 (footnote) [as subgenus of *Pogonomyrmex*]. Type-species: *Pogonomyrmex (Janetia) mayri* Forel, 1899c: 61 (footnote), by monotypy.

Taxonomic history

[Junior homonym of *Janetia* Kieffer, 1896: 236 (Diptera).]

Janetia in Myrmicinae, Myrmicini: Ashmead, 1905b: 383.

Janetia as genus: Ashmead, 1905b: 383.

Janetia as subgenus of *Pogonomyrmex*: Wheeler, W.M. 1911f: 165; Donisthorpe, 1943f: 654 (error).

Forelomyrmex Wheeler, W.M. 1913a: 80, replacement name for *Janetia* Forel.

JOHNIA [junior synonym of *Aulacomyrma*]

Johnia Karavaiev, 1927e: 43 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis (Johnia) schizospina* Karavaiev, 1927e: 44 (junior synonym of *Polyrhachis numeria* Smith, F. 1861b: 42), by monotypy.

Taxonomic history

Johnia as subgenus of *Polyrhachis*: Donisthorpe, 1943f: 654.

Johnia as junior synonym of *Aulacomyrma*: Hung, 1967b: 402; Dorow, 1995: 12; Bolton, 1995b: 32; Bolton, 2003: 125.

KALATHOMYRMEX [Myrmicinae: Attini]

Kalathomyrmex Klingenberg & Brandão, 2009: 21. Type-species: *Myrmicocrypta emeryi* Forel, 1907f: 144, by original designation.

Taxonomic history

Kalathomyrmex in Myrmicinae, Attini: Klingenberg & Brandão, 2009: 21; Ward, et al. 2015: 77.

Kalathomyrmex as genus: all authors.

Kalathomyrmex references: Baccaro, et al. 2015: 230 (genus in Brazil); Fernández & Serna, 2019: 853 (genus in Colombia).

KARAVAIEVIA [subgenus of *Camponotus*]

Karavaievia Emery, 1925b: 115 [as subgenus of *Camponotus*]. Type-species: *Camponotus exsectus* Emery, 1900d: 709, by original designation.

Taxonomic history

Karavaievia as subgenus of *Camponotus*: Emery, 1925b: 115; subsequent authors; Bolton, 1995b: 32; Bolton, 2003: 118.

Karavaievia references: included under *Camponotus*.

[Note: world list of species in *C. (Karavaievia)*: Emery, 1925b: 115; Bolton, 1995b: 131.]

KARAWAJEWELLA [junior synonym of *Dolichoderus*]

Karawajewella Donisthorpe, 1944b: 59.

Taxonomic history

[Replacement name for *Diabolus* Karavaiev, 1926d: 424; junior homonym of *Diabolus* Gray, J.E. 1841: 400 (Mammalia).]

Karawajewella as junior synonym of *Hypoclinea*: Hölldobler & Wilson, 1990: 17.

Karawajewella as junior synonym of *Dolichoderus*: Brown, 1973b: 181 [provisional]; Shattuck, 1992c: 66; Shattuck, 1994: 39, 40; Bolton, 1994: 26; Bolton, 1995b: 32; Bolton, 2003: 85.

KARTIDRIS [Myrmicinae: Crematogastrini]

Kartidris Bolton, 1991: 10. Type-species: *Kartidris nyos* Bolton, 1991: 12, by original designation.

Taxonomic history

Kartidris in Myrmicinae, Pheidolini: Bolton, 1991: 10; Bolton, 1994: 106; Bolton, 1995b: 32; Bolton, 2003: 231.

Kartidris in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Mayriella* genus group: Blaimer, *et al.* 2018: 7.

Kartidris as genus: all authors.

Kartidris catalogues: Bolton, 1995b: 219.

Kartidris references: Bolton, 1991: 12 (all species key); Xu, 1999: 134 (all species key); Eguchi, *et al.* 2011: 16 (diagnosis, Vietnam synopsis).

KEMPFIDRIS [Myrmicinae: Solenopsidini]

Kempfidris Fernández, Feitosa & Lattke, 2014: 3. Type-species: *Monomorium inusuale* Fernández, 2007b: 135, by original designation.

Taxonomic history

Kempfidris incertae sedis in Myrmicinae: Fernández, Feitosa & Lattke, 2014: 3.

Kempfidris in Myrmicinae, Solenopsidini: Ward, *et al.* 2015: 77.

Kempfidris references: Baccaro, *et al.* 2015: 290 (genus in Brazil); Fernández & Serna, 2019: 803 (genus in Colombia).

***KHETANIA** [*incertae sedis* in Aculeata]

***Khetania** Dlussky, 1999a: 65. Type-species: **Khetania mandibulata* Dlussky, 1999a: 65, by original designation.

Taxonomic history

**Khetania* in **Armaniidae*: Dlussky, 1999a: 65.

**Khetania* in **Armaniinae*, **Armaniini*: Bolton, 2003: 260.

**Khetania* as genus: Bolton, 2003: 73, 260; Borysenko, 2017: 20.

***Khetania excluded from Formicidae**, *incertae sedis* in Hymenoptera, Aculeata: Borysenko, 2017: 20.

***KLONDIKIA** [*incertae sedis* in Formicidae]

***Klondkia** Dlussky & Rasnitsyn, 2002: 427. Type-species: **Klondkia whiteae* Dlussky & Rasnitsyn, 2002: 427, by original designation.

Taxonomic history

**Klondkia incertae sedis* in Formicidae: Dlussky & Rasnitsyn, 2002: 427.

***KOHLSIMYRMA** [*incertae sedis* in Formicidae]

***Kohlsimyrma** Dlussky & Rasnitsyn, 2002: 427. Type-species: **Kohlsimyrma laticeps* Dlussky & Rasnitsyn, 2002: 429, by original designation.

Taxonomic history

**Kohlsimyrma incertae sedis* in Formicidae: Dlussky & Rasnitsyn, 2002: 427.

***KOTSHKORKIA** [*incertae sedis* in Dolichoderinae]

**Kotshkorkia* Dlussky, 1981b: 71. Type-species: **Kotshkorkia laticeps* Dlussky, 1981b: 71, by original designation.

Taxonomic history

**Kotshkorkia* in Dolichoderinae: Dlussky & Fedoseeva, 1988: 78; Bolton, 1994: 26; Shattuck, 1994: 115; Bolton, 1995b: 32; Bolton, 2003: 19, 89.

**Kotshkorkia incertae sedis* in Formicinae: Hölldobler & Wilson, 1990: 19 (error).

**Kotshkorkia incertae sedis* in Dolichoderinae: Hölldobler & Wilson, 1990: 17; Ward, *et al.* 2010: 362.

**Kotshkorkia* as genus: all authors.

***Kotshkorkia catalogues**: Shattuck, 1994: 115; Bolton, 1995b: 219.

***KTUNAXIA** [*incertae sedis* in Dolichoderinae]

**Ktunaxia* LaPolla & Greenwalt, 2015: 166. Type-species: **Ktunaxia jucunda* LaPolla & Greenwalt, 2015: 166, by original designation.

Taxonomic history

**Ktunaxia* in Dolichoderinae: LaPolla & Greenwalt, 2015: 166.

KYIDRIS [junior synonym of *Strumigenys*]

Kyidris Brown, 1949d: 3. Type-species: *Kyidris mutica* Brown, 1949d: 3, by original designation.

Taxonomic history

Kyidris in Myrmicinae, Dacetini, Strumigeniti: Brown & Wilson, 1959b: 284.

Kyidris in Myrmicinae, Dacetini: Brown, 1949d: 3; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 32.

Kyidris as genus: Brown & Wilson, 1959b: 282; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 138; Bolton, 1995b: 32.

Kyidris as junior synonym of *Pyramica*: Bolton, 1999: 1668; Bolton, 2000: 91; Bolton, 2003: 190.

Kyidris as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 15; Baroni Urbani & De Andrade, 2007: 103.

***KYROMYRMA** [*incertae sedis* in Formicinae]

**Kyromyrma* Grimaldi & Agosti, 2000: 13681. Type-species: **Kyromyrma neffi* Grimaldi & Agosti, 2000: 13681, by original designation.

Taxonomic history

**Kyromyrma incertae sedis* in Formicinae: Grimaldi & Agosti, 2000: 13681; Bolton, 2003: 28, 131; Ward, Blaimer & Fisher, 2016: 349.

**Kyromyrma* in Formicinae: Barden, 2017: 3.

**Kyromyrma* as stem-taxon to Formicinae: Borysenko, 2017: 19.

**Kyromyrma* as genus: all authors.

LABAUCHENA [junior synonym of *Solenopsis*]

Labauchena Santschi, 1930d: 81. Type-species: *Labauchena daguerrei* Santschi, 1930d: 81, by monotypy.

Taxonomic history

Labauchena in Myrmicinae, Solenopsidini: Santschi, 1930d: 81; subsequent authors.

Labauchena as genus: Donisthorpe, 1943f: 654.

Labauchena as junior synonym of *Solenopsis*: Ettershank, 1966: 134; Kempf, 1972a: 232; Bolton, 1973a: 354; Smith, D.R. 1979: 1384; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 108; Bolton, 1995b: 32; Tang, J., Li, *et al.* 1995: 71; Bolton, 2003: 218.

LABIDOGENYS [junior synonym of *Strumigenys*]

Labidogenys Roger, 1862a: 249. Type-species: *Labidogenys lyroessa* Roger, 1862a: 251, by monotypy.

Taxonomic history

Labidogenys in Myrmicinae, Dacetini: Donisthorpe, 1943f: 654; Brown, 1948e: 102.

Labidogenys in Myrmicinae, Dacetini, Strumigeniti: Brown & Wilson, 1959b: 281.

Labidogenys as genus: Roger, 1862a: 249; Mayr, 1863: 424; Brown, 1948e: 102; Brown & Wilson, 1959b: 281.

Labidogenys as junior synonym of *Strumigenys*: Roger, 1863b: 40; Emery & Forel, 1879: 464; Dalla Torre, 1893: 145; Bingham, 1903: 147; Emery, 1924d: 320; Donisthorpe, 1943f: 654; Brown & Wilson, 1959b: 281; Brown, 1960b: 38; Bolton, 1973a: 345; Smith, D.R. 1979: 1403; Bolton, 1983: 358; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 128; Bolton, 1995b: 32; Tang, J., Li, et al. 1995: 84; Bolton, 1999: 1673; Bolton, 2000: 492; Bolton, 2003: 191; Baroni Urbani & De Andrade, 2007: 101.

LABIDUS [Dorylinae]

Labidus Jurine, 1807: 282. Type-species: *Labidus latreillii* Jurine, 1807: 283 (junior synonym of *Formica coeca* Latreille, 1802c: 270), by monotypy.

Taxonomic history

Labidus in Mutillidae: Latreille, 1809: 123 [Mutillariae]; Latreille, 1810: 313 [Mutillariae].

Labidus unplaced to tribe: Lepeletier de Saint-Fargeau, 1835: 229.

Labidus as subgenus of *Mutilla*: Blanchard, in Cuvier, 1846: pl. 118, fig. 2.

Labidus in Dorylidae: Leach, 1815: 147 [Dorylida]; Haliday, 1836: 331; Shuckard, 1840a: 196; Smith, F. 1859b: 1; Cresson, 1887: 259.

Labidus in Dorylinae: Mayr, 1865: 16 [Dorylidae]; Forel, 1878: 365 (footnote) [Dorylidae].

Labidus in Dorylinae, Ecitonini: Emery, 1910b: 21 [Ecitini]; Forel, 1917: 240; Donisthorpe, 1943f: 654; Borgmeier, 1955: 79; Kempf, 1972a: 126; Smith, D.R. 1979: 1327; Dlussky & Fedoseeva, 1988: 79.

Labidus in Ecitoninae: Brown, 1973b: 166; Snelling, R.R. 1981: 392.

Labidus in Ecitoninae, Ecitonini: Bolton, 1990c: 1357; Hölldobler & Wilson, 1990: 12; Brandão, 1991: 348; Jaffe, 1993: 13; Bolton, 1994: 39; Bolton, 1995b: 32; Bolton, 2003: 35, 144.

Labidus in Dorylinae: Brady, et al. 2014: 4 (in figure); Borowiec, M.L. 2016: 144.

Labidus as junior synonym of *Eciton*: Dalla Torre, 1893: 1; Forel, 1899c: 22.

Labidus as subgenus of *Eciton*: Emery, 1910b: 21; Santschi, 1913h: 35; Forel, 1917: 240; Luederwaldt, 1918: 37; Gallardo, 1920: 312; Wheeler, W.M. 1922a: 635; Borgmeier, 1923: 41; Donisthorpe, 1943f: 654; Smith, M.R. 1947f: 525; Creighton, 1950a: 61; Smith, M.R. 1951a: 779; Kusnezov, 1956: 9.

Labidus as genus: Jurine, 1807: 282; Latreille, 1809: 123; Latreille, 1810: 313; Leach, 1815: 147; Latreille, 1817f: 141; Shuckard, 1840a: 196; Mayr, 1863: 424; Roger, 1863b: 41; Mayr, 1865: 16; Borgmeier, 1953: 4; Borgmeier, 1955: 80; Smith, M.R. 1958c: 108; subsequent authors; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 32; Bolton, 2003: 35, 144; Borowiec, M.L. 2016: 144.

Labidus as senior synonym of *Nycteresia*: Emery, 1910b: 21; Donisthorpe, 1943f: 675; Borgmeier, 1955: 80; Kempf, 1972a: 126; Smith, D.R. 1979: 1328; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 32; Bolton, 2003: 144; Borowiec, M.L. 2016: 144.

Labidus as senior synonym of *Pseudodichthadia*: Emery, 1910b: 21; Donisthorpe, 1943g: 772; Borgmeier, 1955: 80; Kempf, 1972a: 126; Smith, D.R. 1979: 1328; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 32; Bolton, 2003: 144; Borowiec, M.L. 2016: 144.

Labidus catalogues: Roger, 1863b: 21, 41 (*Nycteresia, Labidus*); Mayr, 1863: 424, 436 (*Labidus, Nycteresia*); Cresson, 1887: 259 (U.S.A.); Emery, 1910b: 21 (*E. (Labidus)*); Smith, M.R. 1951a: 779 (North America); Kempf, 1972a: 126 (Neotropical); Smith, D.R. 1979: 1327 (North America); Bolton, 1995b: 219; Borowiec, M.L. 2016: 149 (species checklist).

Labidus references: Mayr, 1865: 16 (diagnosis); Emery, 1910b: 21 (diagnosis); Gallardo, 1920: 312 (Argentina species key); Creighton, 1950a: 62 (**Nearctic species key**); Borgmeier, 1955: 80, 84 (diagnosis, **all species revision, key**); Watkins, 1976: 8 (**all species key**); Watkins, 1982: 209 (Mexico species key); Palacio, 1999: 153 (Colombia species key); Brady, *et al.* 2014: 4 (phylogeny); Baccaro, *et al.* 2015: 158 (genus in Brazil); Borowiec, M.L. 2016: 144 (diagnosis); Palacio, 2019: 606 (Colombia species key).

LACHNOMYRMEX [Myrmicinae: Attini]

Lachnomyrmex Wheeler, W.M. 1910a: 263. Type-species: *Lachnomyrmex scrobiculatus scrobiculatus* Wheeler, W.M. 1910a: 263, by monotypy.

Taxonomic history

Lachnomyrmex in Myrmicinae, Leptocephalini: Emery, 1914a: 42; Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 269; Kempf, 1972a: 128.

Lachnomyrmex in Myrmicinae, Myrmicini: Kusnezov, 1964: 57.

Lachnomyrmex in Myrmicinae, Pheidolini: Hölldobler & Wilson, 1990: 16.

Lachnomyrmex in Myrmicinae, Stenammini: Bolton, 1994: 106; Bolton, 1995b: 32; Bolton, 2003: 59, 203.

Lachnomyrmex in Myrmicinae, Attini: Ward, *et al.* 2015: 77.

Lachnomyrmex as genus: all authors.

Lachnomyrmex catalogues: Emery, 1924d: 269; Kempf, 1972a: 128; Bolton, 1995b: 220.

Lachnomyrmex references: Emery, 1924d: 269 (diagnosis); Smith, M.R. 1944e: 226 (all species key); Weber, 1950c: 3 (all species key); Fernández & Baena, 1997: 112 (**all species key**); Feitosa & Brandão, 2008: 8 (diagnosis, **all species revision, key**); Baccaro, *et al.* 2015: 232 (genus in Brazil); Fernández & Serna, 2019: 856 (Colombia species key).

***LAMPROMYRMEX** [junior synonym of *Monomorium*]

***Lampromyrmex** Mayr, 1868b: 93. Type-species: **Lampromyrmex gracillimus* Mayr, 1868b: 95, by monotypy. (Senior synonym of **Monomorium mayrianum* Wheeler, W.M. 1915h: 45; unnecessary replacement name.)

Taxonomic history

**Lampromyrmex* in Myrmicidae, Pheidolidae: Emery, 1877a: 81.

**Lampromyrmex* in Myrmicinae: Mayr, 1868b: 93 [Myrmicidae]; Dalla Torre, 1893: 78 [Myrmicinae].

**Lampromyrmex* in Myrmicinae, Solenopsidini: Emery, 1922e: 183 [subtribe Monomoriini]; Donisthorpe, 1943f: 655.

**Lampromyrmex* as genus: Dalla Torre, 1893: 78.

**Lampromyrmex* as subgenus of *Monomorium*: Emery, 1922e: 183; Wheeler, W.M. 1922a: 676; Donisthorpe, 1943f: 655.

**Lampromyrmex* as junior synonym of *Monomorium*: Wheeler, W.M. 1915h: 45; Ettershank, 1966: 82; Bolton, 1973a: 352; Smith, D.R. 1979: 1381; Bolton, 1987: 287, 299; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 104; Bolton, 1995b: 32; Tang, J., Li, *et al.* 1995: 68; Bolton, 2003: 211.

LAPAROMYRMEX [junior synonym of *Liomyrmex*]

Laparomyrmex Emery, 1887b: 461. Type-species: *Laparomyrmex gestroi* Emery, 1887b: 461, by monotypy.

Taxonomic history

Laparomyrmex as junior synonym of *Liomyrmex*: Dalla Torre, 1893: 63; Wheeler, W.M. 1911f: 165; subsequent authors; Bolton, 1995b: 33; Rigato & Bolton, 2001: 248; Bolton, 2003: 241.

LASIOMYRMA [Myrmicinae: Crematogastrini]

Lasiomyrma Terayama & Yamane, 2000: 523. Type-species: *Lasiomyrma gedensis* Terayama & Yamane, 2000: 524, by original designation.

Taxonomic history

Lasiomyrma in Myrmicinae, Stenammini: Terayama & Yamane, 2000: 523; Bolton, 2003: 59, 204.

Lasiomyrma in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Lordomyrma* genus group: Blaimer, *et al.* 2018: 7.

Lasiomyrma as genus: all authors.

Lasiomyrma references: Terayama & Yamane, 2000: 527 (all species key); Eguchi, *et al.* 2011: 16 (diagnosis, Vietnam synopsis).

LASIOPHANES [Formicinae: Melophorini]

Lasiophanes Emery, 1895i: 16 (in text) [as subgenus of *Melophorus*]. Type-species: *Formica nigriventris* Spinola, 1851a: 239 (junior primary homonym of *Formica nigriventris* Guérin-Méneville, 1831, pl. 8, fig. 4. Replacement name: *Formica atriventris* Smith, F. 1858b: 51), by subsequent designation of Wheeler, W.M. 1911f: 165.

Taxonomic history

Lasiophanes in Camponotinae, Melophorini: Forel, 1917: 248.

Lasiophanes in Formicinae, *Formica* genus group: Agosti, 1991: 295.

Lasiophanes in Formicinae, Lasiini: Bolton, 2003: 22, 96.

Lasiophanes in Formicinae, Melophorini: Wheeler, W.M. 1922a: 695; Emery, 1925b: 12; Wheeler, W.M. 1935c: 70; subsequent authors; Kempf, 1972a: 128; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 348; Bolton, 1995b: 33; Ward, Blaimer & Fisher, 2016: 347.

Lasiophanes as subgenus of *Melophorus*: Emery, 1895i: 16; Wheeler, W.M. 1910g: 143; Forel, 1917: 248; Emery, 1922a: 90; Emery, 1925b: 12; Donisthorpe, 1943f: 655.

Lasiophanes as genus: Wheeler, W.M. 1922a: 695; Wheeler, W.M. 1935c: 71; Kusnezov, 1952c: 90; Kusnezov, 1956: 31; Kempf, 1972a: 128; Snelling & Hunt, 1976: 104; subsequent authors; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 348; Bolton, 1995b: 33; Bolton, 2003: 22, 96.

Lasiophanes catalogues: Emery, 1925b: 12; Kempf, 1972a: 128; Bolton, 1995b: 220.

Lasiophanes references: Emery, 1922a: 91 (species key); Emery, 1925b: 12 (diagnosis); Kusnezov, 1956: 31 (Argentina species key); Snelling & Hunt, 1976: 104 (all species key).

LASIUS [Formicinae: Lasiini]

Lasius Fabricius, 1804: 415. Type-species: *Formica nigra* Linnaeus, 1758: 580, by subsequent designation of Bingham, 1903: 338.

Taxonomic history

[*Lasius* Jurine, 1801: 164 (Apidae), resurrected by Morice & Durrant, 1915: 421, subsequently suppressed by Act of Commission.]

Lasius in Formicinae: Mayr, 1861: 49 [Formicidae]; Mayr, 1862: 652 (in key) [Formicidae]; Mayr, 1865: 8 [Formicidae]; Mayr, 1868b: 42 [Formicidae]; Forel, 1874: 45 [Formicidae].

Lasius in Camponotinae: Forel, 1878: 374 [Camponotidae]; Emery & Forel, 1879: 452 [Camponotidae]; Forel, 1886f: 206; Dalla Torre, 1893: 181 [Camponotinae]; Emery, 1896e: 189 [Camponotinae].

Lasius in Camponotinae, Camponotini: Forel, 1886f: 206.

Lasius in Camponotinae, Formicini: Forel, 1893a: 165; Forel, 1895b: 103; Emery, 1895j: 772; Forel, 1899c: 127; Wheeler, W.M. 1910g: 143; Forel, 1912i: 89; Wheeler, W.M. 1915h: 120.

Lasius in Formicinae, Formicini: Wheeler, W.M. 1922a: 698; Carpenter, 1930: 58; Chapman & Capco, 1951: 201; Wheeler, G.C. & Wheeler, J. 1970: 651; Wheeler, G.C. & Wheeler, J. 1976b: 101; Wheeler, G.C. & Wheeler, J. 1985: 258.

Lasius in Formicinae, Acanthomyopsini: Donisthorpe, 1943f: 655.

Lasius in Formicinae, Formicini + Lasiini: Hölldobler & Wilson, 1990: 18.

Lasius in Formicinae, *Lasius* genus group: Agosti, 1991: 296.

Lasius in Formicinae, Lasiini: Ashmead, 1905b: 384; Emery, 1925b: 226; subsequent authors; Bolton, 1994: 50; Bolton, 1995b: 33; Bolton, 2003: 22, 96; Ward, Blaimer & Fisher, 2016: 347.

Lasius as junior synonym of *Formica*: Latreille, 1809: 125; Leach, 1815: 147; Stephens, 1829: 356; Smith, F. 1858b: 1.

Lasius as junior synonym of *Acanthomyops*: Forel, 1916: 460; Donisthorpe, 1916c: 276; Morice & Durrant, 1917: 442; Donisthorpe, 1927b: 206; Donisthorpe, 1937d: 132; Donisthorpe, 1943f: 655; Donisthorpe, 1946g: 91.

Lasius as junior synonym of *Formicina*: Emery, 1916a: 61; Emery, 1916b: 239; Emery, 1917a: 96; Wheeler, W.M. 1916k: 170; Bondroit, 1918: 19.

Lasius as genus: Fabricius, 1804: 415; Mayr, 1861: 49; Mayr, 1862: 700; Mayr, 1863: 425; Roger, 1863b: 11; Mayr, 1865: 8; Mayr, 1868b: 42; Dours, 1873: 165; Forel, 1886f: 206; Dalla Torre, 1893: 181; Emery, 1896e: 189; Ashmead: 1905b: 384; Wheeler, W.M. 1911f: 165; Wheeler, W.M. 1916k: 172; Forel, 1918a: 724; Emery, 1922b: 9; Emery, 1925b: 226; Creighton, 1950a: 415; Wilson, 1955a: 11; subsequent authors; Bolton, 1995b: 33; Dlussky, 1997: 59; Bolton, 2003: 22, 96.

Lasius as senior synonym of *Donisthorpea*: Wheeler, W.M. 1916k: 172; Wheeler, W.M. 1922a: 698; Emery, 1925b: 226; Wilson, 1955a: 11; Smith, D.R. 1979: 1435; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 33; Tang, J., Li, et al. 1995: 108; Bolton, 2003: 97.

[Note: *Lasius* and *Donisthorpea* share the same type-species; synonymy is therefore absolute.]

Lasius as senior synonym of **Tylolasius*: Hong, Wu & Ren, 2001: 348.

Subgenera of *Lasius*: nominal plus *Acanthomyops*, *Austrolasius*, *Cautolasius*, *Chthonolasius*, *Dendrolasius*.

[Note (i): all subgenera of *Lasius* were given as provisional junior synonyms of *Lasius* by Brown, 1973b: 179-185. The list was repeated by Hölldobler & Wilson, 1990: 18, and Tang, J., Li, et al. 1995: 108, with all subgenera listed as junior synonyms. They reverted to subgeneric status in Bolton, 1994: 50, Bolton, 1995b: 33, pending further revision.]

[Note (ii): world list of species in *L. (Lasius)*: Bolton, 1995b: 226.]

***Lasius* catalogues:** Roger, 1863b: 11; Mayr, 1863: 394, 425; Emery & Forel, 1879: 452 (Europe); Cresson, 1887: 257 (U.S.A.); Dalla Torre, 1893: 181; Emery, 1925b: 226, 231, 235, 236 (*L. (Lasius)*), *L. (Chthonolasius)*, *L. (Dendrolasius)*, *L. (Acanthomyops)*); Chapman & Capco, 1951: 201 (Asia); Smith, M.R. 1951a: 850 (North America); Smith, D.R. 1979: 1435, 1440 (North America *Lasius*, *Acanthomyops*); Bolton, 1995b: 53, 221 (*Acanthomyops*, *Lasius*).

***Lasius* references:** Mayr, 1861: 49 (diagnosis, Europe species key); Mayr, 1865: 8 (diagnosis); Mayr, 1867a: 74 (diagnosis); André, 1874: 179 (Europe species key); Forel, 1874: 46 (Switzerland species key); Forel, 1878: 374 (diagnosis); André, 1882b: 191 (Europe & Algeria species key); Provancher, 1887: 236 (Canada species key); Nasonov, 1889: 64 (Russia species key); Emery, 1893i: 637 (North America species key); Bingham, 1903: 339 (India species key); Ruzsky, 1905b: 264 (Russian Empire species key); Wasmann, 1906: 10 (Luxemburg species key); Bondroit, 1910: 484 (Belgium species key); Wheeler, W.M. 1910e: 237 (North America *L. umbratus* forms, key); Stitz, 1914: 82 (Central Europe species key); Donisthorpe, 1915d: 188 (Britain species key); Emery, 1916b: 243 (Italy species key); Wheeler, W.M. 1916m: 591 (U.S.A., Connecticut species key); Bondroit, 1918: 19 (France & Belgium species key); Wheeler, W.M. 1922a: 698 (subgenera

key); Emery, 1925b: 226 (diagnosis, subgenera key); Emery, 1925b: 231 (*L. (Chthonolasius)* diagnosis); Emery, 1925b: 235 (*L. (Dendrolasius)* diagnosis); Emery, 1925b: 236 (*L. (Acanthomyops)* diagnosis); Kuznetsov-Ugamsky, 1927e: 186 (Turkestan species key); Karavaiev, 1927c: 277 (Ukraine species key); Donisthorpe, 1927b: 206 (Britain species key); Arnol'di, 1933b: 602 (Russia species key); Karavaiev, 1936: 193 (Ukraine species key); Stärcke, 1937: 57 (Europe *L. umbratus* group, key); Menozzi, 1939a: 313 (Himalaya & Tibet species key); Stitz, 1939: 267 (Germany species key); Kratochvíl, 1941: 100 (Central Europe species key); Novák & Sadil, 1941: 100 (Central Europe species key); Cole, 1942: 373 (U.S.A., Utah species key); Holgersen, 1943b: 174 (Norway species key); Holgersen, 1944: 199 (Norway species key); Buren, 1944a: 296 (U.S.A., Iowa species key); Stärcke, 1944a: 157 (Europe *L. niger* group, key); van Boven, 1947: 184 (Belgium species key); Creighton, 1950a: 418 (*Lasius Nearctic species key*: 418; *Acanthomyops Nearctic species key*: 428); Buren, 1950: 188 (*Acanthomyops queens, key*); Wilson, 1955a: 11, 13, 14 (subgenera review, subgenera *Lasius*, *Chthonolasius*, *Dendrolasius* diagnoses); Wilson, 1955a: 26 (*Lasius all species revision; Nearctic species key*: 26; *Palaeartic species key*: 28); van Boven, 1959: 11 (Netherlands species key); Wheeler, G.C. & Wheeler, J. 1963: 177 (U.S.A., North Dakota *Lasius* species key); Wheeler, G.C. & Wheeler, J. 1963: 195 (U.S.A., North Dakota *Acanthomyops* species key); Gregg, 1963: 453 (U.S.A., Colorado species key); Collingwood, 1963: 155 (Europe *L. umbratus* group species key); Collingwood, 1964: 107 (Britain species key); Bernard, 1967: 349 (diagnosis, Western Europe species key); Wing, 1968: 53 (*Acanthomyops* diagnosis, **all species revision, key**); Bourne, 1973: 19 (Britain species key); van Boven, 1970b: 28 (Netherlands species key); Bolton & Collingwood, 1975: 7 (Britain species key); Tarbinsky, 1976: 133 (Kyrgyzstan species key); van Boven, 1977: 135 (Belgium species key); Kutter, 1977c: 208 (Switzerland species key); Arnol'di & Dlussky, 1978: 555 (former European U.S.S.R. species key); Collingwood, 1978: 89 (Iberian Peninsula species key); Collingwood, 1979: 92 (Fennoscandia & Denmark species key); Yamauchi, 1979: 147 (Japan species keys); Allred, 1982: 444 (U.S.A., Utah *Acanthomyops* species key); Allred, 1982: 450 (U.S.A., Utah *Lasius* species key); Collingwood, 1982: 283 (Himalayan species key); Gösswald, 1985: 268 (Germany species key); Wheeler, G.C. & Wheeler, J. 1986g: 64 (U.S.A., Nevada *Lasius* species key); Wheeler, G.C. & Wheeler, J. 1986g: 68 (U.S.A., Nevada *Acanthomyops* species key); Nilsson & Douwes, 1987: 70 (Norway species key); Agosti & Collingwood, 1987b: 281 (Balkans species key); Dlussky & Fedoseeva, 1988: 77 (synoptic classification); Seifert, 1988a: 143 (Europe *L. (Chthonolasius)* species key); Kupyanskaya, 1989: 781 (East Palaeartic *L. (Dendrolasius)* species key); Dlussky, *et al.* 1990: 158 (Turkmenistan species key); Seifert, 1990: 1 (supplement to European *L. (Chthonolasius)*); Agosti & Bolton, 1990b: 149 (characters); Kupyanskaya, 1990: 211 (Far Eastern Russia species key); Morisita, *et al.*, 1991: 24 (Japan species key); Agosti, 1991: 295 (*Lasius* genus group diagnosis); Seifert, 1992b: 48 (Palaeartic *L. (Lasius)* species key); Atanasov & Dlussky, 1992: 232 (Bulgaria species key); Arakelian, 1994: 111 (Armenia species key); Radchenko, 1994b: 114 (South Siberia species key); Bolton, 1995a: 1050 (census); Douwes, 1995: 92 (Sweden species key); Kupyanskaya, 1995: 361 (Far Eastern Russia species key); Wu, J. & Wang, 1995: 153 (China species key); Seifert, 1996b: 179 (Central Europe species key); Skinner & Allen, 1996: 42 (Britain species key); Dlussky, 1997: 55 (in Baltic amber genera key); Collingwood & Prince, 1998: 22 (Portugal species key); Zhou, 2001b: 187 (China, Guangxi species key); Blacker & Collingwood, 2002: 44 (British species key); Czechowski, *et al.* 2002: 154 (Poland species key); Mackay & Mackay, 2002: 237 (U.S.A., New Mexico *Acanthomyops* species key); Mackay & Mackay, 2002: 331 (U.S.A., New Mexico *Lasius* species key); Radchenko, 2005a: 93 (East Palaeartic *L. (Dendrolasius)* species key); Radchenko, 2005b: 190 (North Korea species key); Seifert, 2007: 159 (North and Central Europe species key); Terayama, 2009: 207 (Taiwan species key); Dlussky, 2011: 218 (European Late Eocene species key); Czechowski, *et al.* 2012: 382 (Poland species key); Bharti & Gul, 2013: 56 (Indian Himalayas species key); Dlussky & Putyatina, 2014: 261 (diagnosis, compression fossils); Radchenko, 2016: 355 (Ukraine species

key); Salata & Borowiec, 2018b: 157 (Crete species key); Kubota, H., *et al.* 2019: 1 (tentorium morphology).

LATINODA [junior synonym of *Pseudomyrmex*]

Latinoda Enzmann, E.V. 1944: 62 [as "branch" of *Pseudomyrma*]. Type-species: *Pseudomyrma latinoda* Mayr, 1878: 877 (junior synonym of *Pseudomyrma concolor* Smith, F. 1860c: 70), by original designation.

Taxonomic history

Latinoda as junior synonym of *Pseudomyrmex*: Ward, 1990: 469; Bolton, 1995b: 33; Bolton, 2003: 135.

LECANOMYRMA [junior synonym of *Carebara*]

Lecanomyrma Forel, 1913k: 56 [as subgenus of *Pheidologeton*]. Type-species: *Pheidologeton (Lecanomyrma) butteli* Forel, 1913k: 56, by monotypy.

Taxonomic history

Lecanomyrma as subgenus of *Pheidologeton*: Forel, 1913k: 56; Forel, 1917: 243; Wheeler, W.M. 1922a: 682; Donisthorpe, 1943f: 655.

Lecanomyrma as subgenus of *Aneleus*: Emery, 1924d: 215.

Lecanomyrma as junior synonym of *Oligomyrmex*: Ettershank, 1966: 119; Bolton, 1973a: 353; Smith, D.R. 1979: 1389; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 111; Bolton, 1995b: 33; Tang, J., Li, *et al.* 1995: 74; Bolton, 2003: 215.

Lecanomyrma as junior synonym of *Carebara*: Fernández, 2004a: 194.

LEIOPELTA [junior synonym of *Belonopelta*]

Leiopelta Baroni Urbani, 1975b: 309. Type-species: *Belonopelta (Belonopelta) deletrix* Mann, 1922: 9, by original designation.

Taxonomic history

Leiopelta as genus: Brandão, 1991: 349.

Leiopelta as junior synonym of *Belonopelta*: Hölldobler & Wilson, 1990: 10; Bolton, 1994: 164; Bolton, 1995b: 33; Bolton, 2003: 160; Schmidt, C.A. & Shattuck, 2014: 138.

LENOMYRMEX [Myrmicinae: Attini]

Lenomyrmex Fernández & Palacio, 1999: 8. Type-species: *Lenomyrmex mandibularis* Fernández & Palacio, 1999: 8, by original designation.

Taxonomic history

Lenomyrmex in Myrmicinae, Pheidolini: Fernández & Palacio, 1999: 8.

Lenomyrmex in Myrmicinae, Lenomyrmecini: Bolton, 2003: 65, 236.

Lenomyrmex in Myrmicinae, Attini: Ward, *et al.* 2015: 77.

Lenomyrmex as genus: all authors.

Lenomyrmex references: Fernández & Palacio, 1999: 14 (**all species key**); Fernández, 2001: 203 (**all species key**); Delsinne & Fernández, 2012: 3 (**all species key**); Rabeling, *et al.* 2016: 90 (**all species key**); Fernández & Serna, 2019: 857 (Colombia species key).

LEONOMYRMA [junior synonym of *Temnothorax*]

Leonomyrma Arnol'di, 1968: 1809. Type-species: *Leonomyrma spinosa* Arnol'di, 1968: 1809, by original designation.

Taxonomic history

Leonomyrma as junior synonym of *Leptothorax*: Brown, 1973b: 181 [provisional].

Leonomyrma as genus: Arnol'di & Dlussky, 1978: 544.

Leonomyrma as junior synonym of *Chalepoxenus*: Buschinger, 1987: 117; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 33; Bolton, 2003: 245.

Leonomyrma as junior synonym of *Temnothorax*: Ward, *et al.* 2015: 75 [by implication as *Chalepoxenus* synonymised under *Temnothorax*].

LEPIDOPONE [junior synonym of *Asphinctopone*]

Lepidopone Bernard, 1953b: 207. Type-species: *Lepidopone lamottei* Bernard, 1953b: 208 (junior synonym of *Asphinctopone silvestrii* Santschi, 1914d: 318), by monotypy.

Taxonomic history

Lepidopone in Ponerinae, Ponerini: Bernard, 1953b: 207.

Lepidopone as junior synonym of *Asphinctopone*: Brown, 1953h: 2; Bolton, 1973a: 334; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 33; Bolton, 2003: 160; Bolton & Fisher, 2008a: 54; Schmidt, C.A. & Shattuck, 2014: 70.

LEPISIOTA [Formicinae: Plagiolepidini]

Lepisiota Santschi, 1926a: 15 [as subgenus of *Acantholepis*]. Type-species: *Plagiolepis rothneyi* Forel, 1894c: 415, by original designation.

Taxonomic history

[*Lepisiota* first available replacement name for *Acantholepis* Mayr, 1861 (junior homonym of *Acantholepis* Kroyer, 1846: 98 (Pisces) (Bolton, 1995b: 33).)]

Lepisiota in Formicinae, Plagiolepidini: Bolton, 1994: 51; Bolton, 1995b: 33; Bolton, 2003: 23, 102; Ward, Blaimer & Fisher, 2016: 348.

Lepisiota as subgenus of *Acantholepis*: Donisthorpe, 1943f: 656.

Lepisiota as junior synonym of *Acantholepis*: Hölldobler & Wilson, 1990: 18.

Lepisiota as genus: Bolton, 1995b: 33, 226; Bolton, 2003: 32, 102.

[Note: *Lepisiota* incorrectly as junior synonym of *Acanthomyrmex*: Brown, 1973b: 181, Snelling, R.R. 1981: 397. In both publications *Acanthomyrmex* is an error for *Acantholepis*.]

[**PSEUDACANTHOLEPIS** Bernard, 1953b: 256. Unavailable name (attributed to Santschi); included taxa referable to *Lepisiota* (Bolton, 1995b: 44).]

Subgenera of *Lepisiota*: nominal plus **Baroniurbania**.

Lepisiota catalogues: Roger, 1863b: 11; Mayr, 1863: 394; Emery & Forel, 1879: 453 (Europe); Dalla Torre, 1893: 171; Wheeler, W.M. 1922a: 934, 1036 (Afrotropical, Malagasy); Emery, 1925b: 23; Chapman & Capco, 1951: 209 (Asia); Bolton, 1995b: 226; Fisher & Bolton, 2016: 292 (Afrotropical checklist).

[Note: references prior to 1995 refer to the genus as *Acantholepis*.]

Lepisiota references: Mayr, 1865: 9 (diagnosis); Forel, 1878: 378 (diagnosis); André, 1882b: 210 (Europe & Algeria species key); Forel, 1892a: 41 (all species key); Forel, 1894c: 411 (India & Sri Lanka species key); Bingham, 1903: 315 (India, Sri Lanka & Burma species key); Arnold, 1920a: 554 (diagnosis, South Africa species key); Wheeler, W.M. 1922a: 214 (diagnosis); Emery, 1925b: 23 (diagnosis); Kuznetsov-Ugamsky, 1929c: 480 (Turkestan species key); Finzi, 1936: 188 (Egypt species key); Collingwood, 1985: 292 (Saudi Arabia species key); Agosti & Collingwood, 1987b: 281 (Balkans species key); Atanasov & Dlussky, 1992: 205 (Bulgaria species key); Xu, 1994c: 232 (China species key); Arakelian, 1994: 80 (Armenia species key); Bolton, 1995a: 1050 (census); Wu, J. & Wang, 1995: 128 (China species key); Collingwood & Agosti, 1996: 363 (Saudi Arabia species key); Zhou, 2001b: 167 (China, Guangxi species key); Sharaf, Monks, *et al.* 2016: 8 (Arabian species key); Fisher & Bolton, 2016: 291 (diagnosis).

[Note: references prior to 1995 refer to the genus as *Acantholepis*.]

LEPTALEA [junior synonym of *Pseudomyrmex*]

Leptalea Erichson, 1839: 309. Type-species: *Formica gracilis* Fabricius, 1804: 405, by subsequent designation of Wheeler, W.M. 1911f: 166.

Taxonomic history

Leptalea in Myrmicinae: Dalla Torre, 1893: 55.

Leptalea in Pseudomyrminae: Donisthorpe, 1943f: 656.

Leptalea as junior synonym of *Pseudomyrma*: Smith, F. 1858b: 153; Mayr, 1863: 451; Roger, 1863b: 24; Smith, F. 1877b: 58; Dalla Torre, 1893: 55; Forel, 1899c: 86; Emery, 1921f: 28; Donisthorpe, 1943f: 656.

Leptalea as junior synonym of *Pseudomyrmex*: Smith, M.R. 1952a: 98; Kempf, 1972a: 214; Smith, D.R. 1979: 1345; Hölldobler & Wilson, 1990: 12; Ward, 1990: 469; Bolton, 1995b: 33; Bolton, 2003: 135.

[Note: *Pseudomyrmex* and *Leptalea* share the same type-species; synonymy is therefore absolute.]

[*LEPTALAEA*: incorrect subsequent spelling by Spinola, 1851b: 52, Spinola, 1853: 68.]

LEPTANILLA [Leptanillinae: Leptanillini]

Leptanilla Emery, 1870: 196. Type-species: *Leptanilla revelierii* Emery, 1870: 196, by monotypy.

Taxonomic history

Leptanilla in Dorylinae: Emery, 1870: 196 [Dorylidae]; Emery, 1904a: 116.

Leptanilla in Myrmicinae: Emery, 1877a: 81 [Myrmicidae]; Emery & Forel, 1879: 456 [Myrmicidae]; André, 1882c: 268 [Myrmicidae]; Dalla Torre, 1893: 72 [Myrmicinae]; Emery, 1896e: 183 [Myrmicinae].

Leptanilla in Myrmicinae, Myrmicini: Emery, 1895j: 769.

Leptanilla in Myrmicinae, Stenammini: Ashmead, 1905b: 383.

Leptanilla in Dorylinae, Leptanillini: Emery, 1910b: 32; Wheeler, W.M. 1910g: 138; Emery, 1916b: 94; Forel, 1917: 240; Wheeler, W.M. 1922a: 636.

Leptanilla in Leptanillinae, Leptanillini: Wheeler, W.M. 1923f: 335; Wheeler, G.C. 1928: 89; Donisthorpe, 1943f: 656; Baroni Urbani, 1977c: 433; Wheeler, G.C. & Wheeler, J. 1985: 256; Drusky & Fedoseeva, 1988: 79; Bolton, 1990b: 276; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 70; Bolton, 1995b: 33; Bolton, 2003: 40, 152.

Leptanilla as genus: all authors.

Leptanilla as senior synonym of *Leptomesites*: Baroni Urbani, 1977c: 433; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 33, 152; Tang, J., Li, et al. 1995: 45; Bolton, 2003: 152.

Leptanilla catalogues: Emery & Forel, 1879: 456 (Europe); Dalla Torre, 1893: 72; Emery, 1910b: 32; Wheeler, G.C. & Wheeler, E.W. 1930: 200; Chapman & Capco, 1951: 17 (Asia); Taylor & Brown, 1985: 53 (Australia); Taylor, 1987a: 34 (Australia); Bolton, 1995b: 229; Fisher & Bolton, 2016: 295 (Afrotropical checklist).

Leptanilla references: André, 1882c: 268 (Europe & Algeria species); Emery, 1904a: 107 (anatomy, affinities); Emery, 1910b: 32 (diagnosis); Emery, 1916b: 94 (Italy species); Bondroit, 1918 (France & Belgium species key); Baroni Urbani, 1977c: 434 (diagnosis, **all species revision, key**); Morisita, et al. 1989: 35 (Japan species key); Ogata, et al. 1995: 32 (diagnosis, males); Shattuck, 1999: 117 (Australia synopsis); Xu, 2002a: 116 (China species key); Xu & Zhang, 2002: 142 (China species key); Bharti & Kumar, 2012c: 624 (**Oriental species key**); Eguchi, et al. 2014: 22 (diagnosis, Vietnam synopsis); Wong & Guénard, 2016a: 140 (**Oriental species key**); Fisher & Bolton, 2016: 294 (diagnosis); Leong, Yamane, et al. 2018: 10 (Oriental and Sino-Japanese species key).

LEPTANILLOIDES [Dorylinae]

Leptanilloides Mann, 1923: 13. Type-species: *Leptanilloides biconstricta* Mann, 1923: 14, by original designation.

Taxonomic history

Leptanilloides in Dorylinae: Mann, 1923: 13.

Leptanilloides in Dorylinae, Ecitonini: Donisthorpe, 1943f: 656.

Leptanilloides incertae sedis in Formicidae: Borgmeier, 1955: 653; Wheeler, G.C. & Wheeler, J. 1985: 259.

Leptanilloides incertae sedis in Dorylinae: Kempf, 1972a: 129.

Leptanilloides in Ecitoninae: Brown, 1973b: 166.

Leptanilloides in Ponerinae, Cerapachyini: Brown, 1975: 18; Dlussky & Fedoseeva, 1988: 79; Hölldobler & Wilson, 1990: 10.

Leptanilloides in Cerapachyinae, Cerapachyini: Bolton, 1990a: 61; Bolton, 1990c: 1357; Brandão, 1991: 349; Jaffe, 1993: 9.

Leptanilloides in Leptanilloidinae: Bolton, in Baroni Urbani, *et al.* 1992: 317; Bolton, 1994: 71; Bolton, 1995b: 33; Brandão, *et al.* 1999: 23; Bolton, 2003: 36, 146.

Leptanilloides in Dorylinae: Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 150.

Leptanilloides as genus: all authors.

Leptanilloides as senior synonym of *Amyrmex*: Borowiec, M.L. 2016: 150.

Leptanilloides as senior synonym of *Asphinctanilloides*: Borowiec, M.L. 2016: 150.

***Leptanilloides* catalogues:** Kempf, 1972a: 129; Bolton, 1995b: 229; Borowiec, M.L. 2016: 156 (species checklist).

***Leptanilloides* references:** Borgmeier, 1955: 652 (diagnosis); Brown, 1975: 34 (notes); Bolton, 1990a: 61 (abdominal morphology); Brandão, *et al.* 1999: 23 (diagnosis, **all species revision, key**); Donoso, *et al.* 2006: 59 (**all species key**); Ward, 2007b: 637 (phylogenetic relationships); Borowiec, M.L. & Longino, 2011: 26 (diagnosis, **all species key**); Brady, *et al.* 2014: 4 (phylogeny); Baccaro, *et al.* 2015: 160 (genus in Brazil); Delsinne, *et al.* 2015: 7 (**all species key**); Borowiec, M.L. 2016: 150 (diagnosis); Palacio, 2019: 610 (Colombia species key).

****LEPTOGASTERITUS*** [*incertae sedis* in Formicinae]

**Leptogasteritus* Hong, 2002: 577. Type-species: **Leptogasteritus capricornutes* Hong, 2002: 577, by original designation.

Taxonomic history

**Leptogasteritus* in Formicinae: Hong, 2002: 577.

**Leptogasteritus incertae sedis* in Formicinae: Ward, Blaimer & Fisher, 2016: 349.

LEPTOGENYS [Ponerinae: Ponerini]

Leptogenys Roger, 1861a: 41. Type-species: *Leptogenys falcigera* Roger, 1861a: 42, by subsequent designation of Bingham, 1903: 52.

Taxonomic history

Leptogenys in Ponerinae: Mayr, 1862: 714 (in key) [Poneridae]; Mayr, 1865: 14 [Poneridae]; Dalla Torre, 1893: 46 [Ponerinae]; Emery, 1896e: 177 [Ponerinae].

Leptogenys in Ponerinae, Leptogenyini: Forel, 1893a: 162; Forel, 1899c: 17; Ashmead, 1905b: 382; Emery, 1911d: 97; Arnold, 1915: 89; Forel, 1917: 238; Gallardo, 1918b: 84; Wheeler, W.M. 1922a: 652; Donisthorpe, 1943f: 656; Chapman & Capco, 1951: 31; Dlussky & Fedoseeva, 1988: 78.

Leptogenys in Ponerinae, Ponerini: Emery, 1895j: 767; Forel, 1900d: 304; Wheeler, W.M. 1910g: 135; Brown, 1963: 3; Kempf, 1972a: 129; Smith, D.R., 1979: 1343; Hölldobler & Wilson: 1990: 11; Brandão, 1991: 349; Jaffe, 1993: 8; Bolton, 1994: 164; Bolton, 1955b: 33; Bolton, 2003: 44, 163; in Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 92.

Leptogenys as genus: all authors.

Leptogenys as senior synonym of *Dorylozelus*: Taylor, 1969: 132; Bolton, 1973a: 337; Bolton, 1975a: 240; Smith, D.R., 1979: 1343; Ogata, 1987: 123; Hölldobler & Wilson: 1990: 11; Bolton, 1955b: 33; Tang, J., Li, *et al.* 1995: 35; Xu, 2000a: 223; Bolton, 2003: 163; Schmidt, C.A. & Shattuck, 2014: 92.

Leptogenys as senior synonym of *Lobopelta*: Emery, 1895k: 461 (footnote); Emery, 1896e: 177 (footnote); Brown, 1973b: 181 [provisional]; Bolton, 1975a: 240; Ogata, 1987: 123; Hölldobler & Wilson: 1990: 11; Bolton, 1995b: 33; Tang, J., Li, et al. 1995: 35; Xu, 2000a: 223; Bolton, 2003: 163; Schmidt, C.A. & Shattuck, 2014: 92.

Leptogenys as senior synonym of *Machaerogenys*: Brown, 1973b: 181 [provisional]; Bolton, 1975a: 240; Ogata, 1987: 123; Hölldobler & Wilson: 1990: 11; Bolton, 1995b: 33; Tang, J., Li, et al. 1995: 35; Xu, 2000a: 223; Bolton, 2003: 163; Schmidt, C.A. & Shattuck, 2014: 92.

Leptogenys as senior synonym of *Microbolbos*: Wilson, 1955b: 136; Bolton, 1973a: 337; Bolton, 1975a: 240; Smith, D.R., 1979: 1343; Ogata, 1987: 123; Hölldobler & Wilson: 1990: 11; Bolton, 1995b: 33; Tang, J., Li, et al. 1995: 35; Xu, 2000a: 223; Bolton, 2003: 163; Schmidt, C.A. & Shattuck, 2014: 92.

Leptogenys as senior synonym of *Odontopelta*: Brown, 1973b: 183 [provisional]; Snelling, R.R. 1981: 390; Taylor & Brown, 1985: 32; Hölldobler & Wilson: 1990: 11; Bolton, 1995b: 33; Tang, J., Li, et al. 1995: 35; Xu, 2000a: 223; Bolton, 2003: 163; Schmidt, C.A. & Shattuck, 2014: 92.

Leptogenys as senior synonym of *Prionogenys*: Taylor, 1988: 33; Hölldobler & Wilson: 1990: 11; Bolton, 1995b: 43; Tang, J., Li, et al. 1995: 35; Xu, 2000a: 223; Bolton, 2003: 163; Schmidt, C.A. & Shattuck, 2014: 92.

***Leptogenys* catalogues:** Mayr, 1863: 426, 427 (*Leptogenys*, *Lobopelta*); Roger, 1863b: 19 (*Lobopelta*, *Leptogenys*); Cresson, 1887: 258 (U.S.A.); Dalla Torre, 1893: 43, 46 (*Lobopelta*, *Leptogenys*); Emery, 1911d: 99, 100, 101, 101 (*Leptogenys* (*Leptogenys*), *L.* (*Machaerogenys*), *L.* (*Odontopelta*), *L.* (*Lobopelta*)); Wheeler, W.M. 1922a: 786, 788 (Afrotropical *Leptogenys* (*Leptogenys*), *L.* (*Lobopelta*)); Wheeler, W.M. 1922a: 1010 (Madagascar); Chapman & Capco, 1951: 31 (Asia); Smith, M.R. 1951a: 787 (North America); Kempf, 1972a: 129 (Neotropical); Smith, D.R. 1979: 1343 (North America); Taylor & Brown, 1985: 32, 39 (Australia); Taylor, 1987a: 34, 64 (Australia, New Caledonia); Brandão, 1991: 349 (Neotropical); Bolton, 1995b: 229; Schmidt, C.A. & Shattuck, 2014: 99 (species checklist); Fisher & Bolton, 2016: 297 (Afrotropical, Madagascar checklist).

***Leptogenys* references:** Mayr, 1865: 14, 15 (*Leptogenys*, *Lobopelta* diagnoses); Mayr, 1867a: 89 (diagnosis); Mayr, 1879: 664 (*Lobopelta* species key); Forel, 1900d: 304 (India & Sri Lanka species key); Bingham, 1903: 52, 55 (India, Sri Lanka & Burma *Leptogenys*, *Lobopelta* species keys); Emery, 1911d: 97, 97, 99, 100, 101, 101 (diagnosis, subgenera key, *L.* (*Leptogenys*), *L.* (*Machaerogenys*), *L.* (*Odontopelta*), *L.* (*Lobopelta*) diagnoses); Arnold, 1915: 89, 89, 95 (diagnosis, South Africa *L.* (*Leptogenys*), *L.* (*Lobopelta*) species keys); Mann, 1919: 298 (Papua New Guinea *L.* (*Leptogenys*) species key); Mann, 1921: 426 (Fiji Islands *L.* (*Lobopelta*) species key); Wheeler, W.M. 1922a: 93 (diagnosis); Wheeler, W.M. 1923d: 14 (New World *L.* (*Lobopelta*) species key); Creighton, 1950a: 51 (*L.* (*Lobopelta*) Nearctic species key); Wilson, 1958a: 113 (Melanesia & Moluccas species revision, key); Wilson, 1958a: 136 (New Caledonia species key); Alayo, 1974: 8 (Cuba species key); Bolton, 1975a: 239 (diagnosis, review of genus; **Afrotropical species revision, key: 244; Malagasy species key: 293**); Ogata, 1987: 123 (diagnosis, Japan); Trager & Johnson, 1988: 30 (U.S.A. species key); Morisita, et al. 1989: 28 (Japan); Bolton, 1995a: 1050 (census); Wu, J. & Wang, 1995: 41 (China species key); Shattuck, 1999: 189 (Australia synopsis); Xu, 2000a: 118 (China species key); Zhou, 2001b: 39 (China, Guangxi species key); Bolton, 2003: 163 (synopsis); Lattke, in Fernández, 2008: 145 (Colombia species, review); Terayama, 2009: 115 (Taiwan species key); Heterick, 2009: 133 (south-western Australia species key); Bakhtiar & Chiang, 2011: 46 (Sabah species, provisional key); Lattke, 2011: 139 (New World species revision, key); Sarnat & Economo, 2012: 154 (Fiji Islands species key); Zhou, Chen, et al. 2012: 886 (China species key); Bharti & Wachkoo, 2013c: 17 (India species key); Eguchi, et al. 2014: 34 (diagnosis, Vietnam synopsis); Schmidt, C.A. &

Shattuck, 2014: 92 (diagnosis, synopsis); Rakotonirina & Fisher, 2014: 11 (**Malagasy species, revision, key**); Xu & He, 2015: 150 (Oriental species key); Baccaro, *et al.* 2015: 324 (genus in Brazil); Fisher & Bolton, 2016: 295 (diagnosis); Arimoto, 2017: 86 (*L. modiglianii* group key); Wachkoo, Maqbool, *et al.* 2018: 6 (Oriental *L. chinensis* group key); Arimoto & Yamane, 2018: 25 (Oriental region species, key); Fernández & Guerrero, 2019: 523 (Colombia species key); Ramage, Jouault, *et al.* 2019: 6 (New Caledonia species key).

LEPTOMESITES [junior synonym of *Leptanilla*]

Leptomesites Kutter, 1948: 286. Type-species: *Leptomesites escheri* Kutter, 1948: 287, by original designation.

Taxonomic history

Leptomesites in Leptanillinae: Kutter, 1948: 286; Wheeler, G.C. & Wheeler, J. 1985: 257.

Leptomesites as junior synonym of *Leptanilla*: Baroni Urbani, 1977c: 433; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 33, 152; Tang, J., Li, *et al.* 1995: 45; Bolton, 2003: 152.

LEPTOMYRMA [junior synonym of *Pheidole*]

Leptomyrma Motschoulsky, 1863: 17. Type-species: *Leptomyrma gracilipes* Motschoulsky, 1863: 17, by monotypy.

Taxonomic history

Leptomyrma in Myrmicidae: Smith, F. 1871a: 329.

Leptomyrma as junior synonym of *Pheidole*: Emery, 1892b: 166; Dalla Torre, 1893: 88; Forel, 1899c: 64; Emery, 1921f: 77; subsequent authors; Bolton, 1973a: 350; Smith, D.R. 1979: 1365; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 33; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 233.

LEPTOMYRMEX [Dolichoderinae: Leptomyrmecini]

Leptomyrmex Mayr, 1862: 652 (diagnosis in key), 695. Type-species: *Formica erythrocephala* Fabricius, 1775: 391, by monotypy.

Taxonomic history

Leptomyrmex in Formicinae: Mayr, 1862: 652 (in key) [Formicidae]; Mayr, 1865: 7 [Formicidae].

Leptomyrmex in Dolichoderinae: Forel, 1878: 386 [Dolichoderidae]; Dalla Torre, 1893: 162 [Dolichoderinae]; Emery, 1895j: 771; Emery, 1896e: 186 [Dolichoderinae]; Wheeler, W.M. 1910g: 142.

Leptomyrmex in Dolichoderidae: Ashmead, 1905b: 384.

Leptomyrmex in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 106; Shattuck, 1994: 115; Bolton, 1994: 26; Bolton, 1995b: 33; Bolton, 2003: 19, 89.

Leptomyrmex in Dolichoderinae, Leptomyrmecini: Emery, 1913a: 15 [Leptomyrmecini]; Wheeler, W.M. 1915d: 262 [Leptomyrmecii]; Forel, 1917: 247; Wheeler, W.M. 1922a: 688; subsequent authors; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 349; Ward, *et al.* 2010: 362; in Leptomyrmecini, *Leptomyrmex* genus group: Dlussky, *et al.* 2014: 937 (in text).

Leptomyrmex as genus: all authors.

Leptomyrmex catalogues: Mayr, 1863: 426; Roger, 1863b: 10; Dalla Torre, 1893: 162; Emery, 1913a: 15; Chapman & Capco, 1951: 186 (Asia); Taylor & Brown, 1985: 103 (Australia); Taylor, 1987a: 35 (Australia, New Caledonia); Brandão, 1991: 349; Shattuck, 1994: 115; Bolton, 1995b: 234.

Leptomyrmex references: Mayr, 1865: 7 (diagnosis); Emery, 1913a: 15 (diagnosis); Wheeler, W.M. 1915d: 264 (Australia species key); Wheeler, W.M. 1934c: 80 (all species key); Shattuck, 1992c: 106 (diagnosis, review of genus); Shattuck, 1999: 74 (Australia synopsis); Smith, D.J. &

Shattuck, 2009: 58 (micro-*Leptomyrmex* all species key); Lucky & Ward, 2010: 1 (diagnosis, macro-*Leptomyrmex* all species revision, key); Barden, *et al.* 2017: 776 (phylogeny).

***LEPTOMYRMULA** [Dolichoderinae: Leptomyrmecini]

***Leptomyrmula** Emery, 1913a: 16 (footnote). Type-species: **Leptomyrmex maravignae* Emery, 1891a: 152, by monotypy.

Taxonomic history

**Leptomyrmula* in Dolichoderinae, Dolichoderini: Shattuck, 1994: 121; Bolton, 1994: 26; Bolton, 1995b: 33; Bolton, 2003: 19, 89.

**Leptomyrmula incertae sedis* in Dolichoderinae: Ward, *et al.* 2010: 362.

**Leptomyrmula* in Dolichoderinae, Leptomyrmecini: Wheeler, W.M. 1915d: 262 [Leptomyrmecii]; subsequent authors; Hölldobler & Wilson, 1990: 17; in Leptomyrmecini, *Leptomyrmex* genus group: Dlussky, *et al.* 2014: 937 (in text).

**Leptomyrmula* as genus: all authors.

***Leptomyrmula catalogues:** Shattuck, 1994: 121; Bolton, 1995b: 235.

LEPTOPONE [junior synonym of *Centromyrmex*]

Leptopone Arnold, 1916: 163 [as subgenus of *Glyphopone*]. Type-species: *Glyphopone (Leptopone) rufigaster* Arnold, 1916: 163 (junior synonym of *Glyphopone bequaerti* Forel, 1913b: 308), by original designation.

Taxonomic history

Leptopone in Ponerinae, Ponerini: Arnold, 1916: 163; Forel, 1917: 237 [subtribe Pachycondylini]; Wheeler, W.M. 1922a: 647.

Leptopone as subgenus of *Glyphopone*: Forel, 1917: 237; Donisthorpe, 1943f: 657.

Leptopone as genus: Wheeler, W.M. 1922a: 647.

Leptopone as junior synonym of *Centromyrmex*: Brown, 1963: 9; Bolton, 1973a: 336; Hölldobler & Wilson: 1990: 11; Bolton, 1995b: 33; Tang, J., Li, *et al.* 1995: 33; Bolton, 2003: 161; Bolton & Fisher, 2008c: 4; Schmidt, C.A. & Shattuck, 2014: 165.

LEPTOTHORAX [Myrmicinae: Crematogastrini]

Leptothorax Mayr, 1855: 431. Type-species: *Formica acervorum* Fabricius, 1793: 358, by subsequent designation of Bingham, 1903: 214.

Taxonomic history

[Type-species not *Myrmica clypeata* Mayr, 1853c: 282, unjustified subsequent designation by Emery, 1912d: 271; repeated by Wheeler, W.M. 1913a: 79, Emery, 1924d: 248, Donisthorpe, 1927b: 161.]

Leptothorax in Myrmicidae, Myrmicidae: Emery, 1877a: 81.

Leptothorax in Myrmicinae: Mayr, 1855: 431 [Myrmicidae]; Mayr, 1861: 57 [Myrmicidae]; Mayr, 1862: 739 [Myrmicidae]; Mayr, 1865: 20 [Myrmicidae]; Dours, 1873: 168 [Myrmicidae]; Forel, 1874: 83 [Myrmicidae]; Emery & Forel, 1879: 458 [Myrmicidae]; Dalla Torre, 1893: 122 [Myrmicinae]; Emery, 1896e: 184, 186 [Myrmicinae].

Leptothorax in Myrmicinae, Myrmicini: Forel, 1895b: 125; Emery, 1895j: 769; Forel, 1899c: 54; Wheeler, W.M. 1910g: 139; Wheeler, W.M. 1915h: 63; Kusnezov, 1964: 57.

Leptothorax in Myrmicinae, Stenammini: Ashmead, 1905b: 383.

Leptothorax in Myrmicinae, Tetramoriini: Santschi, 1914b: 107.

Leptothorax in Myrmicinae, Leptocephalacini: Emery, 1914a: 42; Arnold, 1916: 257; Emery, 1916b: 173; Forel, 1917: 244; Wheeler, W.M. 1922a: 664; Emery, 1924d: 247; Kempf, 1972a: 132; Smith, D.R. 1979: 1391; subsequent authors; Brandão, 1991: 349.

Leptothorax in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 33; Mackay, 2000: 267; Bolton, 2003: 70, 247.

Leptothorax in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Formicoxenus* genus group: Blaimer, *et al.* 2018: 5.

Leptothorax as subgenus of *Myrmica*: Smith, F. 1858b: 118.

Leptothorax as genus: all authors except Smith, F. 1858b: 118.

Leptothorax as senior synonym of *Doronomyrmex*: Brown, 1973b: 180 [provisional]; Heinze, 1998: 195; Bolton, 2003: 247, 270.

Leptothorax as senior synonym of *Mycothorax*: Wheeler, W.M. 1911f: 167; Smith, M.R. 1950: 29; Brown, 1973b: 182 [provisional]; Smith, D.R. 1979: 1396; Bolton, 1982: 319; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 94; Bolton, 1995b: 33; Bolton, 2003: 247, 270.

[Note: *Leptothorax* and *Mycothorax* share the same type-species, synonymy is therefore absolute].

[**LEPTOTHOROX**: incorrect subsequent spelling by Ashmead, 1905b: 383.]

Leptothorax catalogues: Mayr, 1863: 426, 428, 456 (*Leptothorax*, *Macromischa*, *Temnothorax*); Roger, 1863b: 26, 28, 30 (*Leptothorax*, *Macromischa*, *Temnothorax*); Emery & Forel, 1879: 458, 459 (Europe *Leptothorax*, *Temnothorax*); Cresson, 1887: 261 (U.S.A.); Dalla Torre, 1893: 120, 122 (*Macromischa*, *Leptothorax*); Wheeler, W.M. 1922a: 890, 908 (Afrotropical *L.* (*Goniothorax*), *Tetramyrma*); Wheeler, W.M. 1922a: 1029 (Malagasy *L.* (*Goniothorax*)); Emery, 1924d: 245, 247, 249, 251, 259, 260, 260 (*Macromischa*, *Leptothorax*, *L.* (*Goniothorax*), *L.* (*Leptothorax*), *L.* (*Temnothorax*), *L.* (*Dichothonax*), *L.* (*Mycothorax*)); Emery, 1924d: 291 (*Tetramyrma*); Wheeler, W.M. 1931b: 31 (*Macromischa*, *Croesomyrmex*, *Antillaemymex*); Chapman & Capco, 1951: 110 (Asia *Leptothorax*); Smith, M.R. 1951a: 816, 816, 817, 820, 820 (North America *Macromischa*, *Leptothorax* (*Nesomyrmex*), *L.* (*Myrafant*), *L.* (*Dichothonax*), *L.* (*Leptothorax*)); Smith, D.R. 1979: 1390, 1391, 1391, 1395, 1396 (North America *Macromischa*, *Leptothorax* (*Nesomyrmex*), *L.* (*Myrafant*), *L.* (*Dichothonax*), *L.* (*Leptothorax*)); Kempf, 1972a: 132, 135 (Neotropical *Leptothorax* (*Nesomyrmex*), *Macromischa*); Brandão, 1991: 349 (Neotropical); Bolton, 1995b: 145, 235 (*Chalepoxenus*, *Leptothorax sensu lato*); Bolton, 2003: 270 (*Leptothorax* species list).

Leptothorax references: Mayr, 1855: 433 (Austria *Leptothorax* species key); Mayr, 1861: 57, 58 (diagnosis, Europe *Leptothorax* species key); Mayr, 1865: 19, 20, 21 (*Macromischa*, *Leptothorax*, *Temnothorax* diagnoses); Mayr, 1868b: 83 (*Baltic Amber *Macromischa* species key); André, 1874: 188 (Europe *Leptothorax* species key); Forel, 1874: 82, 83 (Switzerland *Temnothorax*, *Leptothorax* species key); André, 1883a: 293 (Europe & Algeria *Leptothorax* species key); Mayr, 1886d: 451 (U.S.A. *Leptothorax* species key); Nasonov, 1889: 70 (Russia species key); Emery, 1891b: 5 (North Africa species key); Emery, 1895c: 317 (North America species key); Emery, 1896g: 58 (Neotropical *Leptothorax*, *L.* (*Goniothorax*) species key); Bingham, 1903: 215 (India, Sri Lanka & Burma *Leptothorax* species key); Wheeler, W.M. 1903c: 223 (North America species key); Ruzsky, 1905b: 570 (Russian Empire species key); Wasmann, 1906: 16 (Luxemburg species key); Wheeler, W.M. 1908a: 141 (*Macromischa* species key); Santschi, 1909b: 460 (*L. rottebergi* group key); Bondroit, 1910: 496 (Belgium species key); Stitz, 1914: 60 (Central Europe species key); Crawley, 1914a: 91 (Britain species key); Crawley, 1914b: 106 (Britain species key, concluded); Donisthorpe, 1915d: 147 (Britain species key); Emery, 1916b: 176 (Italy species key); Wheeler, W.M. 1916m: 581 (U.S.A., Connecticut species key); Arnold, 1916: 257 (*Leptothorax* diagnosis, South Africa species key); Arnold, 1917: 358 (*Tetramyrma* diagnosis); Bondroit, 1918: 117 (France & Belgium species key); Mann, 1920: 408 (*Macromischa* species key); Wheeler, W.M. 1922a: 677, 679 (*Macromischa*, *Leptothorax* subgenera keys); Emery, 1924d: 245 (*Macromischa*); Emery, 1924d: 247 (*Leptothorax* diagnosis, subgenera key); Emery, 1924d: 249 (*L.* (*Goniothorax*) diagnosis); Emery, 1924d: 251 (*L.* (*Leptothorax*) diagnosis); Emery, 1924d: 259 (*L.* (*Temnothorax*) diagnosis); Emery, 1924d: 260 (*L.* (*Dichothonax*), *L.* (*Mycothorax*) diagnoses); Karavaiev, 1927c: 266 (Ukraine species key); Donisthorpe, 1927b: 163 (Britain species key); Kuznetsov-Ugamsky, 1927d: 38 (Turkestan species key); Arnol'di, 1933b: 598 (Russia species key); Menozzi, 1933b: 68 (Israel species key); Karavaiev, 1934: 134 (Ukraine species key);

Wheeler, W.M. 1937b: 463 (*Macromischa* checklist); Menozzi, 1939a: 307 (Himalaya & Tibet species key); Stitz, 1939: 158 (Germany species key); Smith, M.R. 1939e: 503 (U.S.A. *Macromischa* species key); Kratochvíl, 1941: 89 (Central Europe species key); Novák & Sadil, 1941: 89 (Central Europe species key); Cole, 1942: 369 (U.S.A., Utah species key); Holgersen, 1943b: 172 (Norway species key); Holgersen, 1944: 198 (Norway species key); Kratochvíl, Novák & Šnoflák, 1944: 123 (Czechoslovakia males, key); Buren, 1944a: 286 (U.S.A., Iowa species key); van Boven, 1947: 178 (Belgium species key); Creighton, 1950a: 251, 256 (***Macromischa Nearctic species key***: 251; *Leptocephalus* (*Goniocephalus*), *L.* (*Dichocephalus*), *L.* (*Leptocephalus*) ***Nearctic species key***: 256); Smith, M.R. 1952b: 97 (U.S.A. *L. tricarinatus* complex, key); Bernard, 1956a: 151 (Western Europe species groups); Kusnezov, 1958c: 266 (subgenera key); Kempf, 1959c: 394 (*Leptocephalus* (*Nesomyrmex*) ***Neotropical species revision, key***); van Boven, 1959: 8 (Netherlands species key); Gregg, 1963: 380 (U.S.A., Colorado species key); Wheeler, G.C. & Wheeler, J. 1963: 139 (U.S.A., North Dakota species key); Collingwood, 1964: 99 (Britain species key); Bernard, 1967: 185 (diagnosis, Western Europe species key); Bernard, 1967: 187, 222 (*Leptocephalus*, *Chalepoxenus* diagnoses, Western Europe species keys); Bernard, 1967: 224 (*Doronomyrmex* diagnosis); van Boven, 1970b: 20 (Netherlands species key); Arnol'di, 1971: 1824 (Kazakhstan species key); Kutter, 1973d: 269 (*Chalepoxenus*, all species revision, key); Alayo, 1974: 15 (*Macromischa* Cuba species key); Kempf, 1975c: 367 (additions to 1959c key); Bolton & Collingwood, 1975: 5 (Britain species key); Tarbinsky, 1976: 83 (Kyrgyzstan species key); van Boven, 1977: 94 (Belgium species key); Kutter, 1977c: 103 (Switzerland species key); Arnol'di & Dlussky, 1978: 540 (former European U.S.S.R. species key); Collingwood, 1978: 83 (Iberian Peninsula species key); Collingwood, 1979: 68 (Fennoscandia & Denmark species key); Baroni Urbani, 1978b: 533 (*L. (Macromischa)* ***all species revision, key***); Buschinger, 1981: 211 (*Doronomyrmex* review); Allred, 1982: 440 (U.S.A., Utah species key); Bolton, 1982: 319, 323 (*Leptocephalus* diagnosis, ***Afrotropical species key***); Gösswald, 1985: 303 (Germany species key); Wheeler, G.C. & Wheeler, J. 1986g: 51 (U.S.A., Nevada species key); Nilsson & Douwes, 1987: 60 (Norway species key); Agosti & Collingwood, 1987b: 273 (Balkans species key); Dlussky & Soyunov, 1988: 29 (former U.S.S.R. *Temnocephalus* species); Buschinger, Erhardt, *et al.* 1988: 383 (*Chalepoxenus* literature review); Radchenko, 1989a: 41 (*Chalepoxenus*, former U.S.S.R. species key); Hölldobler & Wilson, 1990: 13 (synoptic classification); Dlussky, *et al.* 1990: 184, 188 (Turkmenistan species key); Kupyanskaya, 1990: 136 (Far Eastern Russia species key); Ogata, 1991b: 93 (diagnosis, Japan); Morisita, *et al.* 1992: 26 (Japan species key); Atanasov & Dlussky, 1992: 129 (Bulgaria species key); Arakelian, 1994: 52 (Armenia species key); Radchenko, 1994b: 111 (South Siberia species key); Radchenko, 1994d: 146 (Central & Eastern Palaearctic species key); Bolton, 1995a: 1050 (census); Douwes, 1995: 89 (Sweden species key); Kupyanskaya, 1995: 347 (Far Eastern Russia species key); Wu, J. & Wang, 1995: 108 (China species key); Collingwood & Agosti, 1996: 325 (Saudi Arabia species key); Seifert, 1996b: 13 (Central Europe *Doronomyrmex* species key); Seifert, 1996b: 119 (Central Europe species key); Skinner & Allen, 1996: 45 (Britain species key); Cagniant & Espadaler, 1997: 260, 268 (Morocco *Leptocephalus*, *Chalepoxenus* species keys); Dlussky, 1997: 57 (in Baltic amber genera key); Collingwood & Prince, 1998: 16 (Portugal species key); Terayama & Onoyama, 1999: 73 (Japan species key); Mackay, 2000: 265, 288, 297 (*L. (Myrafant)* ***New World species revision, key***; Mexico & Guatemala species key, species complexes key); Fontenla Rizo, 2001: 15 (Cuba *Macromischa* species key); Chang & He, 2001b: 1 (northwest China species key); Czechowski, *et al.* 2002: 143 (Poland species key); Mackay & Mackay, 2002: 93 (U.S.A., New Mexico species key); Bolton, 2003: 270 (*Leptocephalus* ***genus diagnosis, component species***); Lyu & Cho, 2003b: 269 (Korea species key); Radchenko, 2004: 131 (Eastern Palaearctic species, key); Deyrup & Cover, 2004a: 56 (southeast U.S.A. species key); Radchenko, 2005b: 192 (North Korea species key); Seifert, 2007: 118 (North and Central Europe species key); Czechowski, *et al.* 2012: 366 (Poland species key).

[Note: prior to 2003 *Leptothorax* references also contain species now in *Temnothorax*, *Nesomyrmex*, *Vombisidris*, and their current synonyms.]

LEPTOXENUS [*Nomen nudum*]

Leptoxenus Forel, 1917: 245 (attributed to Santschi). *Nomen nudum*.

Leptoxenus as *nomen nudum*: Bolton, 2003: 265.

***LEUCOTAPHUS** [*incertae sedis* in Formicinae]

**Leucotaphus* Donisthorpe, 1920: 89. Type-species: **Leptothorax gurnetensis* Cockerell, 1915: 485, by original designation.

Taxonomic history

**Leucotaphus* in Camponotinae, Formicini: Donisthorpe, 1920: 89.

**Leucotaphus* in Formicinae, Formicini: Donisthorpe, 1943f: 657; Bolton, 1994: 50; Bolton, 1995b: 33, 246.

**Leucotaphus* in Formicini + Lasiini: Hölldobler & Wilson, 1990: 18.

**Leucotaphus incertae sedis* in Formicinae: Bolton, 2003: 28, 131; Dlussky & Perfilieva, 2014: 420; Ward, Blaimer & Fisher, 2016: 349.

**Leucotaphus* as genus: all authors.

***Leucotaphus references:** Dlussky & Perfilieva, 2014: 420 (diagnosis, review of species).

***LIAOFORMICA** [*incertae sedis* in Formicinae]

**Liaoformica* Hong, 2002: 583. Type-species: **Liaoformica longipetiolata* Hong, 2002: 583, by original designation.

Taxonomic history

**Liaoformica* in Formicinae: Hong, 2002: 583.

**Liaoformica incertae sedis* in Formicinae: Ward, Blaimer & Fisher, 2016: 349.

LILIDRIS [junior synonym of *Solenopsis*]

Lilidris Kusnezov, 1956: 26 (diagnosis in key). Type-species: *Lilidris metatarsalis* Kusnezov, 1957a: 274, by original designation.

Taxonomic history

[*Lilidris* also described as new by Kusnezov, 1957a: 274, and Kusnezov, 1958b: 189.]

Lilidris in Myrmicinae, Solenopsidini: Kusnezov, 1957a: 274; Kusnezov, 1958b: 189; Kusnezov, 1962b: 159; Kusnezov, 1964: 61.

Lilidris as junior synonym of *Solenopsis*: Ettershank, 1966: 134; Kempf, 1972a: 232; Bolton, 1973a: 354; Smith, D.R. 1979: 1384; Ogata, 1991b: 108; Bolton, 1995b: 33; Tang, J., Li, et al. 1995: 71; Bolton, 2003: 219.

LIMNOMYRMEX [junior synonym of *Nesomyrmex*]

Limnomyrmex Arnold, 1948: 222. Type-species: *Limnomyrmex stramineus* Arnold, 1948: 223, by original designation.

Taxonomic history

Limnomyrmex as genus: Arnold, 1952a: 460 (in text).

Limnomyrmex as junior synonym of *Leptothorax*: Bolton, 1973a: 346; Bolton, 1982: 319; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 94; Bolton, 1995b: 33.

Limnomyrmex as junior synonym of *Nesomyrmex*: Brown, 1971a: 4; Bolton, 2003: 250, 272.

LINEPITHEMA [Dolichoderinae: Leptomyrmecini]

Linepithema Mayr, 1866a: 496. Type-species: *Linepithema fuscum* Mayr, 1866a: 497, by monotypy.

Taxonomic history

Linepithema in Formicinae: Mayr, 1866a: 496 [Formicinae].

Linepithema in Dolichoderinae: Forel, 1878: 385 [Dolichoderidae]; Dalla Torre, 1893: 170 [Dolichoderinae]; Emery, 1895j: 771; Wheeler, W.M. 1910g: 142;

Linepithema in Dolichoderidae: Ashmead, 1905b: 384.

Linepithema in Dolichoderinae, Dolichoderini: Emery, 1913a: 14; Forel, 1917: 247; subsequent authors; Brandão, 1991: 354; Shattuck, 1994: 122; Bolton, 1995b: 33; Bolton, 2003: 19, 89.

Linepithema in Dolichoderinae, Tapinomini: Hölldobler & Wilson, 1990: 17.

Linepithema in Dolichoderinae, Leptomyrmecini: Ward, *et al.* 2010: 362.

Linepithema as genus: all authors.

Linepithema catalogues: Dalla Torre, 1893: 170; Emery, 1913a: 15; Kempf, 1972a: 135; Brandão, 1991: 354; Shattuck, 1994: 122; Bolton, 1995b: 246; Fisher & Bolton, 2016: 300 (Afrotropical checklist).

Linepithema references: Emery, 1913a: 15 (diagnosis); Dlussky & Fedoseeva, 1988: 78 (synoptic classification); Shattuck, 1992a: 16 (diagnosis); Shattuck, 1992c: 114 (diagnosis, review of genus); Bolton, 1994: 26 (synoptic classification); Shattuck, 1999: 76 (Australia synopsis); Wild, 2007a: 19 (diagnosis, **all species revision, key**); Baccaro, *et al.* 2015: 142 (genus in Brazil); Fisher & Bolton, 2016: 299 (diagnosis); Escárraga & Guerrero, 2016: 448 (Colombia species key); Guerrero, 2019: 713 (Colombia species key).

*LINGUAMYRMEX [*Haidomyrmecinae]

***Linguamyrmex** Barden & Grimaldi, in Barden, *et al.* 2017: 839. Type-species: ***Linguamyrmex vlasti** Barden & Grimaldi, in Barden, *et al.* 2017: 839, by original designation.

Taxonomic history

***Linguamyrmex** in ***Sphecomyrminae, *Haidomyrmecini**: Barden, *et al.* 2017: 839.

***Linguamyrmex** in ***Haidomyrmecinae**: Perrichot, Wang & Barden, 2020: 4.

LIOMETOPUM [Dolichoderinae: Tapinomini]

Liometopum Mayr, 1861: 38. Type-species: *Formica microcephala* Panzer, 1798: no. 1652, by monotypy.

Taxonomic history

Liometopum in Formicinae: Mayr, 1861: 38 [Formicidae]; Mayr, 1862: 653 (in key) [Formicidae]; Mayr, 1865: 9 [Formicidae]; Dours, 1873: 166 [Formicidae]; André, 1874: 168 [Formicidae].

Liometopum in Dolichoderinae: Forel, 1878: 383 [Dolichoderidae]; Emery & Forel, 1879: 454 [Dolichoderidae]; Dalla Torre, 1893: 163 [Dolichoderinae]; Emery, 1895j: 771; Emery, 1896e: 187 [Dolichoderinae]; Forel, 1899c: 104; Wheeler, W.M. 1910g: 142.

Liometopum in Dolichoderidae: Ashmead, 1905b: 384.

Liometopum in Dolichoderinae, Liometopini: Dlussky & Fedoseeva, 1988: 77.

Liometopum in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 121; Shattuck, 1994: 128; Bolton, 1994: 26; Bolton, 1995b: 33; Bolton, 2003: 19, 89.

Liometopum in Dolichoderinae, Tapinomini: Emery, 1913a: 19; Wheeler, W.M. 1915h: 95; Emery, 1916b: 211; Forel, 1917: 248; Bondroit, 1918: 87; Wheeler, W.M. 1922a: 688; Carpenter, 1930: 46; subsequent authors; Hölldobler & Wilson, 1990: 17; Jaffe, 1993: 9; Ward, *et al.* 2010: 361.

Liometopum as genus: all authors.

Liometopum as senior synonym of ***Poneropsis**: Dlussky & Putyatina, 2014: 245.

Liometopum catalogues: Mayr, 1863: 427; Roger, 1863b: 14; Emery & Forel, 1879: 454 (Europe); Cresson, 1887: 258 (U.S.A.); Dalla Torre, 1893: 52, 162 (***Poneropsis, Liometopum**); Emery, 1913a: 19; Chapman & Capco, 1951: 192 (Asia); Smith, M.R. 1951a: 835 (North America); Smith,

D.R. 1979: 1417 (North America); Shattuck, 1994: 128; Bolton, 1995b: 247, 363 (*Liometopum*, **Poneropsis*).

***Liometopum* references:** Mayr, 1865: 9 (diagnosis); Forel, 1878: 383 (diagnosis); André, 1882b: 220 (Europe & Algeria species); Bingham, 1903: 289 (diagnosis); Wheeler, W.M. 1905e: 322 (North America species); Emery, 1913a: 19 (diagnosis); Creighton, 1950a: 338 (**Nearctic species key**); Gregg, 1963: 438 (U.S.A., Colorado species key); Taylor, 1964: 135 (review of **Poneropsis*); Bernard, 1967: 253 (diagnosis); Wheeler, G.C. & Wheeler, J. 1986g: 55 (U.S.A., Nevada species key); Shattuck, 1992c: 121 (diagnosis, review of genus); Dlussky, 1997: 55 (in Baltic amber genera key); Mackay & Mackay, 2002: 232 (U.S.A., New Mexico species key); Del Toro, Pacheco & Mackay, 2009: 306 (**all species revision, key**); Dlussky & Putyatina, 2014: 245 (diagnosis, compression fossils).

***LIOMYRMEX* [Myrmicinae: Crematogastrini]**

Liomyrmex Mayr, 1865: 23. Type-species: *Myrmica caeca* Smith, F. 1860b: 108 (junior primary homonym; replacement name: *Laparomyrmex gestroi* Emery, 1887b: 461), by monotypy.

Taxonomic history

Liomyrmex in Myrmicidae, Myrmicidae: Emery, 1877a: 81.

Liomyrmex in Myrmicinae: Mayr, 1865: 23 [Myrmicidae]; Dalla Torre, 1893: 63 [Myrmicinae]; Emery, 1896e: 183 [Myrmicinae].

Liomyrmex in Myrmicinae, Myrmicini: Emery, 1895j: 769; Wheeler, W.M. 1910g: 139.

Liomyrmex in Myrmicinae, Stenammini: Ashmead, 1905b: 383.

Liomyrmex in Myrmicinae, Solenopsidini: Emery, 1914a: 41 [subtribe Monomoriini]; Forel, 1917: 243; Emery, 1922e: 191 [subtribe Monomoriini]; Wheeler, W.M. 1922a: 663.

Liomyrmex incertae sedis in Myrmicinae: Ettershank, 1966: 81; Dlussky & Fedoseeva, 1988: 81.

Liomyrmex in Myrmicinae, Metaponini: Hölldobler & Wilson, 1990: 16; Bolton, 1994: 105; Bolton, 1995b: 34.

Liomyrmex in Myrmicinae, Liomyrmecini: Bolton, 2003: 67, 241.

Liomyrmex in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Podomyrma* genus group: Blaimer, *et al.* 2018: 7.

Liomyrmex as genus: all authors.

Liomyrmex as senior synonym of *Laparomyrmex*: Dalla Torre, 1893: 63; Wheeler, W.M. 1911f: 165; subsequent authors; Bolton, 1995b: 34; Rigato & Bolton, 2001: 248; Bolton, 2003: 241.

Liomyrmex as senior synonym of *Promyrma*: Forel, 1913k: 26; Emery, 1921f: 191; Wheeler, W.M. 1922a: 683 (in key); subsequent authors; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 34; Rigato & Bolton, 2001: 248; Bolton, 2003: 241.

Liomyrmex catalogues: Dalla Torre, 1893: 63; Emery, 1922e: 191; Donisthorpe, 1948a: 293; Chapman & Capco, 1951: 162 (Asia); Ettershank, 1966: 152; Bolton, 1995b: 248.

Liomyrmex references: Bingham, 1903: 198 (diagnosis); Emery, 1922e: 191 (diagnosis); Ettershank, 1966: 152 (diagnosis, review of genus); Rigato & Bolton, 2001: 247 (review of genus); Eguchi, *et al.* 2011: 17 (diagnosis, Vietnam synopsis).

***LIOPONERA* [Dorylinae]**

Lioponera Mayr, 1879: 666. Type-species: *Lioponera longitarsus* Mayr, 1879: 667, by monotypy.

Taxonomic history

Lioponera in Ponerinae: Dalla Torre, 1893: 17 [Ponerinae].

Lioponera in Pachycondylinae, Lioponerini: Ashmead, 1905b: 382.

Lioponera in Ponerinae, Cerapachyini: Forel, 1893a: 162; Forel, 1900d: 329; Wheeler, W.M. 1910g: 137; Emery, 1911d: 11; Forel, 1917: 239.

Lioponera in Dorylinae, Cerapachyini: Emery, 1895j: 765.

Lioponera in Cerapachyinae, Cerapachyini: Wheeler, W.M. 1902d: 185; Wheeler, W.M. 1922a: 639; Donisthorpe, 1943f: 657.

Lioponera in Dorylinae: Emery, 1896e: 175 [Dorylinae]; Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 156.

Lioponera as subgenus of *Cerapachys*: Forel, 1892l: 244 (in key).

Lioponera as junior synonym of *Cerapachys*: Brown, 1975: 19; Ogata, 1987: 129; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 34; Tang, J., Li, *et al.* 1995: 25; Bolton, 2003: 140.

Lioponera as genus: Mayr, 1879: 666; Dalla Torre, 1893: 17; Emery, 1896e: 175; Forel, 1900d: 329; Bingham, 1903: 26; Emery, 1911d: 11; Wheeler, W.M. 1922a: 639; Donisthorpe, 1943f: 657; Chapman & Capco, 1951: 21; Wheeler, G.C. & Wheeler, J. 1985: 256; Borowiec, M.L. 2016: 156.

Lioponera as senior synonym of *Neophyracaces*: Borowiec, M.L. 2016: 156.

Lioponera as senior synonym of *Phyracaces*: Borowiec, M.L. 2016: 156.

Lioponera catalogues: Emery, 1911d: 11; Borowiec, M.L. 2016: 163 (species checklist); Fisher & Bolton, 2016: 302 (Afrotropical, Malagasy checklist).

Lioponera references: Brady, *et al.* 2014: 4 (phylogeny); Borowiec, M.L. 2016: 156 (diagnosis); Fisher & Bolton, 2016: 300 (diagnosis); Ramage, Jouault, *et al.* 2019: 8 (New Caledonia species key).

LITHOMYRMEX [junior synonym of *Onychomyrmex*]

Lithomyrmex Clark, 1928a: 30. Type-species: *Lithomyrmex glauerti* Clark, 1928a: 31, by original designation.

Taxonomic history

Lithomyrmex in Ponerinae, Amblyoponini: Clark, 1928a: 30.

Lithomyrmex as genus: Donisthorpe, 1943f: 658.

Lithomyrmex as junior synonym of *Amblyopone*: Brown, 1960a: 156; Bolton, 1973a: 330; Smith, D.R. 1979: 1334; Ogata, 1987: 103; Hölldobler & Wilson, 1990: 9; Bolton, 1995b: 34; Tang, J., Li, *et al.* 1995: 24; Bolton, 2003: 154.

Lithomyrmex as junior synonym of *Stigmatomma*: Yoshimura & Fisher, 2012a: 17.

Lithomyrmex as junior synonym of *Onychomyrmex*: Ward & Fisher, 2016: 691.

*LITHOMYRMEX [junior homonym, replaced by **Eulithomyrmex*]

**Lithomyrmex* Carpenter, 1930: 34. Type-species: **Lithomyrmex rugosus* Carpenter, 1930: 35, by original designation.

Taxonomic history

[Junior homonym of *Lithomyrmex* Clark, 1928a: 30 (Formicidae).]

**Lithomyrmex* in Myrmicinae, Agroecomymecini: Carpenter, 1930: 34.

**Lithomyrmex* as genus: Hölldobler & Wilson, 1990: 14 (error).

**Eulithomyrmex* Carpenter, 1935: 91, replacement name for **Lithomyrmex* Carpenter.

LIVIDOPONE [Dorylinae]

Lividopone Bolton & Fisher, in Fisher & Bolton, 2016: 302. Type-species: *Cerapachys lividus* Brown, 1975: 64, by original designation.

Taxonomic history

[*Lividopone* Borowiec, M.L. 2016: 165. Unavailable name (stated as such).]

Lividopone in Dorylinae: Borowiec, M.L. 2016: 165; Fisher & Bolton, 2016: 302.

Lividopone references: Brady, *et al.* 2014: 4 (phylogeny, as *Cerapachys lividus* group).

LOBOGNATHUS [junior synonym of *Veromessor*]

Lobognathus Enzmann, J. 1947b: 152 (in key) [as subgenus of *Veromessor*].

[Note: the genus-group name *Lobognathus* was an erroneous entry by Enzmann for *Messor lobognathus* Andrews, 1916: 82, hence *Lobognathus* is automatically a junior synonym of *Veromessor* (Brown, 1949a: 49).]

Lobognathus as junior synonym of *Messor*: Bolton, 1982: 338; Hölldobler & Wilson, 1990: 14.

Lobognathus as junior synonym of *Veromessor*: Brown, 1949a: 49; Smith, D.R. 1979: 1364; Ogata, 1991b: 86; Bolton, 1995b: 34; Tang, J., Li, et al. 1995: 53; Bolton, 2003: 232.

LOBOMYRMEX [junior synonym of *Tetramorium*]

Lobomyrmex Kratochvíl, in Novák & Sadil, 1941: 84 [as subgenus of *Tetramorium*]. Type-species: *Tetramorium (Lobomyrmex) ferox silhavyi* Kratochvíl, in Novák & Sadil, 1941: 84 (junior synonym of *Tetramorium caespitum ferox* Ruzsky, 1903b: 309), by monotypy.

Taxonomic history

Lobomyrmex as junior synonym of *Tetramorium*: Brown, 1973b: 181 [provisional]; Bolton, 1976: 359, 364; Bolton, 1980: 196; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 99; Bolton, 1995b: 34; Tang, J., Li, et al. 1995: 78; Bolton, 2003: 227.

LOBOPELTA [junior synonym of *Leptogenys*]

Lobopelta Mayr, 1862: 714 (diagnosis in key), 733. Type-species: *Ponera diminuta* Smith, F. 1857a: 69, by subsequent designation of Bingham, 1903: 54.

Taxonomic history

Lobopelta in Ponerinae: Mayr, 1862: 714 (in key) [Poneridae]; Mayr, 1865: 15 [Poneridae]; Dalla Torre, 1893: 43 [Ponerinae].

Lobopelta in Ponerinae, Leptogenyini: Forel, 1893a: 162; Ashmead, 1905b: 382; Emery, 1911d: 101; Wheeler, W.M. 1922a: 653; Donisthorpe, 1943f: 658.

Lobopelta as genus: Mayr, 1862: 733; Mayr, 1863: 427; Roger, 1863b: 19; Mayr, 1865: 15; Mayr, 1870b: 965; Mayr, 1876: 88; Mayr, 1879: 664; Cresson, 1887: 258; Forel, 1891b: 118; Dalla Torre, 1893: 43; Bingham, 1903: 54; Ashmead, 1905b: 382.

Lobopelta as subgenus of *Leptogenys*: Forel, 1892k: 520; Mayr, 1893: 198; Forel, 1895b: 117; Forel, 1899c: 18; Emery, 1900d: 670; Forel, 1900d: 304; Forel, 1901b: 7; Wheeler, W.M. 1910g: 135; Emery, 1911d: 101; Wheeler, W.M. 1911f: 166; Arnold, 1915: 95; Forel, 1917: 238; Gallardo, 1918b: 85; Wheeler, W.M. 1922a: 653; Wheeler, W.M. 1923d: 1; Borgmeier, 1923: 75; Donisthorpe, 1943f: 658; Creighton, 1950a: 50; Kempf, 1972a: 131; Smith, D.R. 1979: 1343; Brandão, 1991: 349.

Lobopelta as junior synonym of *Leptogenys*: Emery, 1895k: 461 (footnote); Emery, 1896e: 177 (footnote); Brown, 1973b: 181 [provisional]; Bolton, 1975a: 240; Ogata, 1987: 123; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 34; Tang, J., Li, et al. 1995: 35; Xu, 2000a: 223; Bolton, 2003: 163; Schmidt, C.A. & Shattuck, 2014: 92.

LOBOPONERA [Ponerinae: Ponerini]

Loboponera Bolton & Brown, 2002: 3. Type-species: *Loboponera vigilans* Bolton & Brown, 2002: 7, by original designation.

Taxonomic history

[*Loboponera* Bolton, 1994: 156 (in key). Unavailable name (stated as such).]

Loboponera in Ponerinae, Ponerini: Bolton, 2003: 44, 164; in Ponerini, *Plectroctena* genus group: Bolton & Brown, 2002: 2; Schmidt, C.A. & Shattuck, 2014: 171.

Loboponera as genus: all authors.

Loboponera catalogues: Schmidt, C.A. & Shattuck, 2014: 173 (species checklist); Fisher & Bolton, 2016: 306 (checklist).

Loboponera references: Bolton & Brown, 2002: 4 (all species key); Bolton, 2003: 164 (synopsis); Schmidt, C.A. & Shattuck, 2014: 172 (diagnosis, synopsis); Fisher & Bolton, 2016: 305 (diagnosis).

***LONCHOMYRMEX** [Myrmicinae: Crematogastrini]

**Lonchomyrmex* Mayr, 1867b: 61. Type-species: **Formica freyeri* Heer, 1867: 10, by monotypy.

Taxonomic history

**Lonchomyrmex* in Myrmicidae, Myrmicidae: Emery, 1877a: 81.

**Lonchomyrmex incertae sedis* in Myrmicinae: Dalla Torre, 1893: 156 [Myrmicinae].

**Lonchomyrmex* in Formicinae?, Formicini?: Donisthorpe, 1943f: 658.

**Lonchomyrmex* in Myrmicinae, Pheidolini?: Bolton, 1994: 106; Bolton, 1995b: 34, 248.

**Lonchomyrmex incertae sedis* in Myrmicinae, Pheidolini: Bolton, 2003: 64, 236.

**Lonchomyrmex* in Myrmicinae, Crematogastrini: Ward, et al. 2015: 77.

**Lonchomyrmex* as genus: all authors.

***Lonchomyrmex references:** Dlussky & Putyatina, 2014: 274 (diagnosis).

LONCYDA [junior synonym of *Cardiocondyla*]

Loncyda Santschi, 1930b: 70 [as subgenus of *Cardiocondyla*]. Type-species: *Cardiocondyla (Loncyda) monardi* Santschi, 1930b: 70, by monotypy.

Taxonomic history

Loncyda as subgenus of *Cardiocondyla*: Donisthorpe, 1943f: 65.

Loncyda as junior synonym of *Cardiocondyla*: Brown, 1973b: 181 [provisional]; Smith, D.R. 1979: 1375; Bolton, 1982: 309; Hölldobler & Wilson, 1990: 12; Ogata, 1991b: 97; Bolton, 1995b: 34; Bolton, 2003: 245.

***LONGICAPITIA** [*incertae sedis* in Ponerinae]

**Longicapitia* Hong, 2002: 535. Type-species: **Longicapitia reticulata* Hong, 2002: 535, by original designation.

Taxonomic history

**Longicapitia* in Ponerinae: Hong, 2002: 535.

***LONGIFORMICA** [*incertae sedis* in Formicinae]

**Longiformica* Hong, 2002: 603. Type-species: **Longiformica dongzhouheensis* Hong, 2002: 604, by original designation.

Taxonomic history

**Longiformica* in Formicinae: Hong, 2002: 603.

**Longiformica incertae sedis* in Formicinae: Ward, Blaimer & Fisher, 2016: 349.

LOPHOMYRMEX [Myrmicinae: Crematogastrini]

Lophomyrmex Emery, 1892a: 114. Type-species: *Oecodoma quadrispinosa* Jerdon, 1851: 111, by monotypy.

Taxonomic history

Lophomyrmex in Myrmicinae: Dalla Torre, 1893: 74 [Myrmicinae]; Emery, 1896e: 184 [Myrmicinae].

Lophomyrmex in Myrmicinae, Solenopsidini: Emery, 1895j: 770; Wheeler, W.M. 1910g: 141; Wheeler, W.M. 1922a: 663.

Lophomyrmex in Myrmicinae, Myrmicini: Ashmead, 1905b: 383.

Lophomyrmex in Myrmicinae, Pheidologeton genus group: Ettershank, 1966: 81; Bolton, 1987: 265.

Lophomyrmex in Myrmicinae, Pheidologetini: Emery, 1914a: 41 [subtribe Lophomyrmicini]; Forel, 1917: 243; Emery, 1924d: 208 [subtribe Lophomyrmicini]; Donisthorpe, 1943f: 658; Wheeler, G.C. & Wheeler, J. 1985: 257; Dlussky & Fedoseeva, 1988: 80; Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106 [Pheidologetonini].

Lophomyrmex in Myrmicinae, Pheidolini: Rigato, 1994a: 50; Bolton, 1995b: 34; Bolton, 2003: 64, 231.

Lophomyrmex in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Podomyrma* genus group: Blaimer, *et al.* 2018: 7.

Lophomyrmex as junior synonym of *Monomorium*: Dlussky, 1997: 625 (error).

Lophomyrmex as genus: all authors except Dlussky, 1997: 625 (error)

***Lophomyrmex* catalogues:** Dalla Torre, 1893: 74; Emery, 1924d: 208; Chapman & Capco, 1951: 155 (Asia); Ettershank, 1966: 132; Bolton, 1995b: 248.

***Lophomyrmex* references:** Emery, 1893e: 192 (all species key); Forel, 1903a: 695 (India & Sri Lanka species key); Bingham, 1903: 195 (India, Sri Lanka & Burma species key); Emery, 1924d: 208 (diagnosis); Ettershank, 1966: 132 (diagnosis, review of genus); Rigato, 1994a: 47 (diagnosis, **all species revision, key**); Sheela & Ghosh, 2008: 17 (India species key); Eguchi, *et al.* 2011: 17 (diagnosis, Vietnam synopsis); Bharti & Kumar, 2012: 267 (*L. bedoti* group key); Yamane & Hosoihi, 2014: 67 (South China, Indo-China & Thailand species key).

***LORDOMYRMA* [Myrmicinae: Crematogastrini]**

Lordomyrma Emery, 1897c: 591. Type-species: *Lordomyrma furcifera* Emery, 1897c: 591, by subsequent designation of Wheeler, W.M. 1911f: 166.

Taxonomic history

[Type-species not *Podomyrma caledonica* André, 1889: 225, unjustified subsequent designation by Wheeler, W.M. 1919f: 98; rectified by Wheeler, W.M. 1927i: 143 (in text).]

Lordomyrma in Myrmicinae, Myrmicini: Wheeler, W.M. 1910g: 139.

Lordomyrma in Myrmicinae, Myrmecinini: Emery, 1912b: 105; Emery, 1914a: 41; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 238 [subtribe Podomyrmini]; subsequent authors; Kugler, C. 1994: 25.

Lordomyrma in Myrmicinae, Pheidolini: Dlussky & Fedoseeva, 1988: 80; Hölldobler & Wilson, 1990: 16.

Lordomyrma in Myrmicinae, Stenammini: Bolton, 1994: 106; Bolton, 1995b: 34; Bolton, 2003: 59, 204.

Lordomyrma in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77; in Crematogastrini, *Lordomyrma* genus group: Blaimer, *et al.* 2018: 7.

Lordomyrma as genus: all authors.

Lordomyrma senior synonym of *Prodicroaspis*: Hölldobler & Wilson, 1990: 14; Bolton, 1994: 106; Bolton, 1995b: 34; Bolton, 2003: 204; Taylor, 2009: 16.

Lordomyrma senior synonym of *Promeranoplus*: Hölldobler & Wilson, 1990: 14; Bolton, 1994: 106; Bolton, 1995b: 34; Bolton, 2003: 204; Taylor, 2009: 17.

***Lordomyrma* catalogues:** Emery, 1924d: 223, 223, 238 (*Prodicroaspis*, *Promeranoplus*, *Lordomyrma*); Chapman & Capco, 1951: 116 (Asia); Taylor & Brown, 1985: 65 (Australia); Taylor, 1987a: 37, 65, 66 (*Lordomyrma*, *Prodicroaspis*, *Promeranoplus*, Australia, New Caledonia); Bolton, 1995b: 248.

***Lordomyrma* references:** Wheeler, W.M. 1919f: 98 (diagnosis, all species key); Emery, 1924d: 223, 223, 238 (*Prodicroaspis*, *Promeranoplus*, *Lordomyrma* diagnoses); Donisthorpe, 1941a: 37 (all species key); Ogata, 1991b: 117 (diagnosis, Japan); Kugler, C. 1997: 193 (sting structure); Shattuck, 1999: 137 (Australia synopsis); Sarnat, 2006: 13 (Fiji Is species key); Taylor, 2009: 16 (notes on synonyms); Eguchi, *et al.* 2011: 18 (diagnosis, Vietnam synopsis); Sarnat & Economo, 2012: 78 (Fiji Is species key).

***LOWERIELLA* [Dolichoderinae: Bothriomyrmecini]**

Loweriella Shattuck, 1992c: 126. Type-species: *Loweriella boltoni* Shattuck, 1992c: 129, by original designation.

Taxonomic history

Loweriella in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 126; Shattuck, 1994: 130; Bolton, 1994: 26; Bolton, 1995b: 34; Bolton, 2003: 19, 90.

Loweriella in Dolichoderinae, Iridomyrmecini, Bothriomyrmecina: Dubovikoff, 2005a: 93.

Loweriella in Dolichoderinae, Bothriomyrmecini: Ward, *et al.* 2010: 361.

Loweriella as genus: all authors.

Loweriella catalogues: Shattuck, 1994: 130; Bolton, 1995b: 248.

LUNDELLA [junior synonym of *Hylomyrma*]

Lundella Emery, 1915i: 191. Type-species: *Tetramorium reitteri* Mayr, 1887: 621, by original designation.

Taxonomic history

Lundella in Myrmicinae, Tetramoriini: Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 292; Donisthorpe, 1943f: 658.

Lundella as genus: Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 292; Donisthorpe, 1943f: 658.

Lundella as junior synonym of *Hylomyrma*: Brown, 1953h: 3; Kempf, 1972a: 118; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 34.