

PACHYCONDYLA [Ponerinae: Ponerini]

Pachycondyla Smith, F. 1858b: 105. Type-species: *Formica crassinoda* Latreille, 1802c: 198, by subsequent designation of Emery, 1901a: 42.

Taxonomic history

Pachycondyla in Poneridae: Smith, F. 1858b: 105; Smith, 1871a: 324.

Pachycondyla in Ponerinae: Mayr, 1862: 713 [Poneridae]; Mayr, 1865: 13 [Poneridae]; Dalla Torre, 1893: 32 [Ponerinae]; Emery, 1896e: 179 [Ponerinae].

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

Pachycondyla in Ponerinae, Ponerini: Emery, 1895j: 767; Forel, 1895b: 114; Forel, 1899c: 10; Wheeler, W.M. 1910g: 135; Emery, 1911d: 73 [subtribe Pachycondylini]; Arnold, 1915: 53; Forel, 1917: 237 [subtribe Pachycondylini]; Wheeler, W.M. 1922a: 648; subsequent authors; Bolton, 1995b: 40; Bolton, 2003: 44, 165; in Ponerini, *Pachycondyla* genus group: Schmidt, C.A. & Shattuck, 2014: 152.

Pachycondyla as genus: all authors.

Pachycondyla catalogues: Mayr, 1863: 439; Roger, 1863b: 18; Dalla Torre, 1893: 32; Emery, 1901a: 45 (species list); Emery, 1911d: 73; Smith, M.R. 1951a: 785 (North America); Kempf, 1972a: 174; Smith, D.R. 1979: 1339 (North America); Brandão, 1991: 365 (Neotropical); Bolton, 1995b: 302 (*Pachycondyla, sensu lato*); Schmidt, C.A. & Shattuck, 2014: 155 (species checklist).

Pachycondyla references: Mayr, 1862: 719 (diagnosis); Mayr, 1865: 13 (diagnosis); Mayr, 1870a: 396 (Colombia + Panama (= New Grenada) species key); Emery, 1890a: 71 (Neotropical species key); Emery, 1901a: 42 (diagnosis); Emery, 1911d: 73 (diagnosis, subgenera key); Kempf, 1961b: 192 (Brazil species key); Kempf, 1964e: 51 (**Neotropical species key**); Alayo, 1974: 7 (Cuba species key); Bolton, 1994: 164 (*Pachycondyla, sensu lato*, synoptic classification); Bolton, 1995a: 1051 (*Pachycondyla, sensu lato* census); Wu, J. & Wang, 1995: 45 (*Pachycondyla, sensu lato*, China species key); Xu, 1995b: 104 (*Pachycondyla, sensu lato*, China species key); Collingwood & Agosti, 1996: 310 (*Pachycondyla, sensu lato*, Saudi Arabia species key); Dlussky, 1997: 51 (in Baltic amber genera key); Kim, *et al.* 1998: 147 (*Pachycondyla, sensu lato*, Korea species key); Shattuck, 1999: 196 (*Pachycondyla, sensu lato*, Australia fauna synopsis); Zhou, 2001b: 35 (*Pachycondyla, sensu lato*, China, Guangxi species key); Dlussky & Rasnitsyn, 2002: 424 (*Pachycondyla, sensu lato*, wingless female fossils, diagnosis); Wild, 2002: 4 (*Pachycondyla, sensu lato*, Paraguay species key); Bolton, 2003: 165 (*Pachycondyla, sensu lato*, synopsis); Mackay, Mackay, *et al.* 2008: 172 (*Pachycondyla, sensu lato*, **Neotropical species key**); Terayama, 2009: 108 (*Pachycondyla, sensu lato*, Taiwan species keys); Heterick, 2009: 134 (*Pachycondyla, sensu lato*, south-western Australia species key); Mackay & Mackay, 2010: 4 (*Pachycondyla, sensu lato*, diagnosis, **New World species revision, key**: 107); Dlussky & Wedmann, 2012: 746 (*Pachycondyla, sensu lato*, Germany Eocene fossils key); Schmidt, C.A. & Shattuck, 2014: 152 (diagnosis, synopsis); Baccaro, *et al.* 2015: 332 (genus in Brazil); Fernández & Guerrero, 2019: 540 (Colombia species key).

[Note: in the references, *Pachycondyla, sensu lato* refers to the paraphyletic genus as recorded in Bolton, 1995b: 302, and Bolton, 2003: 165; *i.e.* before the revision of Schmidt, C.A. & Shattuck, 2014: 152.]

PACHYSIMA [junior synonym of *Tetraponera*]

Pachysima Emery, 1912b: 97 [as subgenus of *Sima*]. Type-species: *Tetraponera aethiops* Smith, F. 1877b: 71, by monotypy.

Taxonomic history

Pachysima in Myrmicinae, Pseudomyrmini: Forel, 1917: 240; Emery, 1921f: 22.

Pachysima in Pseudomyrmicinae: Wheeler, W.M. 1922a: 112, 654.

Pachysima as genus: Wheeler, W.M. 1918c: 308 (footnote); Wheeler, W.M. 1922a: 112, 654; Donisthorpe, 1943f: 680; Bolton, 1973a: 358; Wheeler, G.C. & Wheeler, J. 1985: 256.

Pachysima as subgenus of *Sima*: Emery, 1912b: 97; Forel, 1917: 240; Arnold, 1916: 174; Emery, 1921f: 22.

Pachysima as junior synonym of *Tetraponera*: Brown, 1973b: 183 [provisional]; Ward, 1990: 470; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 41; Tang, J., Li, *et al.* 1995: 46; Bolton, 2003: 136.

PAEDALGUS [junior synonym of *Carebara*]

Paedalgus Forel, 1911i: 217. Type-species: *Paedalgus escherichi* Forel, 1911i: 218, by monotypy.

Taxonomic history

Paedalgus in Myrmicinae, Solenopsidini: Forel, 1911i: 218; Wheeler, W.M. 1922a: 663.

Paedalgus in Myrmicinae, *Pheidologeton* genus group: Ettershank, 1966: 81; Bolton, 1987: 265.

Paedalgus in Myrmicinae, Pheidologetini: Emery, 1914a: 41; Forel, 1917: 244; Emery, 1924d: 221 [subtribe Pheidologetini]; Dlussky & Fedoseeva, 1988: 80; Bolton, 1994: 106 [Pheidologetonini]; Bolton, 1995b: 41.

Paedalgus in Myrmicinae, Solenopsidini: Bolton, 2003: 61, 216.

Paedalgus as genus: Emery, 1914a: 41; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 221; Donisthorpe, 1943f: 680; Ettershank, 1966: 81; Bolton, 1973a: 353; Bolton, 1987: 265; Dlussky & Fedoseeva, 1988: 80; Hölldobler & Wilson, 1990: 14; Bolton & Belshaw. 1993: 181; Bolton, 1994: 106; Bolton, 1995b: 41; Bolton, 2003: 61, 216.

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

PALAEATTA [junior synonym of *Atta*]

Palaeatta Borgmeier, 1950d: 244 [as subgenus of *Atta*]. Type-species: *Atta sexdens bisphaerica* Forel, 1908c: 348, by original designation.

Taxonomic history

Palaeatta as subgenus of *Atta*: Borgmeier, 1950d: 244; Borgmeier, 1959b: 377; Kempf, 1972a: 28; Brandão, 1991: 328.

Palaeatta as junior synonym of *Atta*: Weber, 1958a: 8; Brown, 1973b: 183 [provisional]; Smith, D.R. 1979: 1413; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 105; Bolton, 1995b: 41; Bolton, 2003: 198; Fernández, *et al.* 2015: 95.

***PALAEOMYRMEX** [Homoptera]

****Palaeomyrmex*** Heer, 1865: 91. Type-species: **Palaeomyrmex prodromus* Heer, 1865: 91, by monotypy.

Taxonomic history

****Palaeomyrmex*** in Formicidae: Heer, 1865: 91; Scudder, 1891: 231.

****Palaeomyrmex incertae sedis*** in Formicidae, Camponotinae: Dalla Torre, 1893: 273.

*** *Palaeomyrmex* excluded from Formicidae:** transferred to **Homoptera** by Handlirsch, 1906: 507; Bolton, 1995b: 41; Bolton, 2003: 264.

***PALAEOMYRMEX** [junior homonym, replaced by **Dlusskyidris*]

**Palaeomyrmex* Dlussky, 1975: 118. Type-species: **Palaeomyrmex zherichini* Dlussky, 1975: 118, by original designation.

Taxonomic history

[Junior homonym of **Palaeomyrmex* Heer, 1865: 91 (Homoptera).]

**Palaeomyrmex* in *Sphecomyrminae: Dlussky, 1975: 118; Dlussky, 1983: 66.

**Palaeomyrmex* in *Sphecomyrmidae: Dlussky, 1987: 132; Dlussky & Fedoseeva, 1988: 77.

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

**Palaeomyrmex* Dlussky as genus: Dlussky & Fedoseeva, 1988: 77; Carpenter, 1992: 493.

[**PALEOMYRMEX**: incorrect subsequent spelling by Hölldobler & Wilson, 1990: 9.]

Dlusskyidris* Bolton, 1994: 187, **replacement name for **Palaeomyrmex* Dlussky.

***PALEOSMINTHURUS** [junior synonym of *Camponotus*]

**Paleosminthurus* Pierce, W.D. & Gibrion, 1962: 146. Type-species: **Paleosminthurus juliae* Pierce, W.D. & Gibrion, 1962: 147, by monotypy.

Taxonomic history

[**Paleosminthurus juliae* Pierce, W.D. & Gibrion, 1962: 147, as junior synonym of *Formica festinata* Buckley, 1866: 164. Snelling, R.R. pers. comm. to B. Bolton, 2004, unpublished]

**Paleosminthurus* in Collembola, family *Paleosminthuridae: Pierce, W.D. & Gibrion, 1962: 146; *incertae sedis* in Formicidae: Najt, 1987: 152; Hölldobler & Wilson, 1990: 18.

**Paleosminthurus* in Formicidae, *Paleosminthurinae: Bolton, 1994: 187 [provisional subfamily status]; Bolton, 1995b: 14, 41; Bolton, 2003: 76, 263.

**Paleosminthurus* as genus: all authors.

**Paleosminthurus* as junior synonym of *Camponotus*: Snelling, R.R. (pers. comm. to B. Bolton, 2004). [Synonymy remained unpublished at his death in 2008, but is accepted provisionally here.]

PALTOTHYREUS [Ponerinae: Ponerini]

Paltothyreus Mayr, 1862: 714 (diagnosis in key), 735. Type-species: *Formica tarsata* Fabricius, 1798: 280, by monotypy.

Taxonomic history

Paltothyreus in Ponerinae: Mayr, 1862: 714 [Poneridae]; Mayr, 1865: 15 [Poneridae]; Forel, 1891b: 135 [Poneridae]; Dalla Torre, 1893: 32 [Ponerinae]; Emery, 1896e: 178 [Ponerinae].

Paltothyreus in Pachycondyliinae, Ectatommini: Ashmead, 1905b: 382.

Paltothyreus in Ponerinae, Ponerini: Emery, 1895j: 767; Wheeler, W.M. 1910g: 135; Emery, 1911d: 62 [subtribe Pachycondyliini]; Arnold, 1915: 43; Forel, 1917: 237 [subtribe Pachycondyliini]; Wheeler, W.M. 1922a: 647; subsequent authors; Bolton, 1995b: 41; in Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 124.

Paltothyreus as junior synonym of *Pachycondyla*: Brown, in Bolton, 1994: 164; Bolton, 1995b: 41; Bolton, 2003: 166; Mackay & Mackay, 2010: 3.

Paltothyreus as genus: Mayr, 1863: 440; Roger, 1863b: 17; Forel, 1891b: 135; Dalla Torre, 1893: 32; Mayr, 1895: 126; Emery, 1896e: 178; Ashmead, 1905b: 382; Emery, 1911d: 62; Arnold, 1915: 43 (diagnosis); Wheeler, W.M. 1922a: 763; Donisthorpe, 1943f: 680; Bolton, 1973a: 338; Hölldobler & Wilson, 1990: 11; Schmidt, C.A. & Shattuck, 2014: 124.

***Paltothyreus* catalogues:** Roger, 1863b: 17; Mayr, 1863: 440; Dalla Torre, 1893: 32; Emery, 1911d: 62; Wheeler, W.M. 1922a: 763; Bolton, 1995b: 302 (as part of *Pachycondyla*); Schmidt, C.A. & Shattuck, 2014: 127 (species checklist); Fisher & Bolton, 2016: 351 (checklist).

***Paltothyreus* references:** Mayr, 1865: 15 (diagnosis); Forel, 1891b: 135 (diagnosis); Emery, 1911d: 62 (diagnosis); Arnold, 1915: 43 (diagnosis); Santschi, 1919h: 81 (infraspecific taxa key); Wheeler, W.M. 1922a: 60 (diagnosis); Schmidt, C.A. & Shattuck, 2014: 124 (diagnosis, synopsis); Fisher & Bolton, 2016: 350 (diagnosis).

PAPYRIUS [Dolichoderinae: Leptomyrmecini]

Papyrius Shattuck, 1992a: 17. Type-species: *Iridomyrmex nitida* Mayr, 1862: 702, by original designation.

Taxonomic history

Papyrius in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 134; Shattuck, 1994: 134; Bolton, 1994: 26; Bolton, 1995b: 41; Bolton, 2003: 19, 90.

Papyrius in Dolichoderinae, Iridomyrmecini, Iridomyrmecina: Dubovikoff, 2005a: 92.

Papyrius in Dolichoderinae, Leptomyrmecini: Ward, *et al.* 2010: 362.

Papyrius as genus: all authors.

***Papyrius* catalogues:** Shattuck, 1994: 134; Bolton, 1995b: 311.

***Papyrius* references:** Shattuck, 1992c: 134 (diagnosis, review of genus); Shattuck, 1999: 79 (Australia synopsis); Heterick, 2009: 58 (south-western Australia species key).

PARACOLOBOPSIS [junior synonym of *Myrmaphaenus*]

Paracolobopsis Emery, 1920b: 249 [as subgenus of *Camponotus*]. Type-species: *Camponotus salvini* Forel, 1899c: 153, by original designation.

Taxonomic history

Paracolobopsis as subgenus of *Camponotus*: Emery, 1920b: 249; Wheeler, W.M. 1922a: 709; Santschi, 1922c: 120.

[Note: world list of *C. (Paracolobopsis)*: Emery, 1920b: 259.]

Paracolobopsis as junior synonym of *Myrmaphaenus*: Emery, 1925b: 152; Kempf, 1972a: 44; Smith, D.R. 1979: 1434; Bolton, 1995b: 41; Bolton, 2003: 117.

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

Paracrema Santschi, 1918d: 182 [as subgenus of *Crematogaster*]. Type-species: *Crematogaster spengeli* Forel, 1912n: 56, by original designation.

Taxonomic history

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

Paracrema as junior synonym of *Crematogaster*: Brown, 1973b: 183 [provisional]; Smith, D.R. 1979: 1376; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 125; Tang, J., Li, *et al.* 1995: 64.

Paracrema as subgenus of *Crematogaster*: Santschi, 1918d: 182; Emery, 1922e: 155; Wheeler, W.M. 1922a: 662; subsequent authors; Bolton, 1995b: 41; Bolton, 2003: 240.

Paracrema as junior synonym of *C. (Crematogaster)*: Blaimer, 2012c: 53.

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

PARACRYPTOCERUS [junior synonym of *Cephalotes*]

Paracryptocerus Emery, 1915i: 192 [as subgenus of *Cryptocerus*]. Type-species: *Cryptocerus spinosus* Mayr, 1862: 761, by original designation.

Taxonomic history

Paracryptocerus in Myrmicinae, Cryptocerini: Forel, 1917: 246; Wheeler, W.M. 1922a: 665; Emery, 1924d: 306; Donisthorpe, 1943f: 680.

Paracryptocerus in Myrmicinae, Cephalotini: Smith, M.R. 1949c: 20; Kempf, 1951: 153; subsequent authors.

Paracryptocerus as subgenus of *Cryptocerus*: Emery, 1915i: 192; Forel, 1917: 246; Wheeler, W.M. 1922a: 665; Emery, 1924d: 306; Donisthorpe, 1943f: 680.

Paracryptocerus as genus: Smith, M.R. 1949c: 20; Kempf, 1951: 153; Kempf, 1972a: 175.

Paracryptocerus as junior synonym of *Zacryptocerus*: Kempf, 1973c: 460; Smith, D.R. 1979: 1402; Hölldobler & Wilson, 1990: 16; Brandão, 1991: 365; Bolton, 1995b: 41.

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

PARAENICTUS [junior synonym of *Aenictus*]

Paraenictus Wheeler, W.M. 1929g: 27 [as subgenus of *Aenictus*]. Type-species: *Aenictus (Paraenictus) silvestrii* Wheeler, W.M. 1929g: 28, by monotypy.

Taxonomic history

Paraenictus in Dorylinae: Wheeler, W.M. 1929g: 27.

Paraenictus as subgenus of *Aenictus*: Donisthorpe, 1943f: 680.

Paraenictus as junior synonym of *Aenictus*: Wilson, 1964a: 444; Bolton, 1973a: 357; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 41; Tang, J., Li, *et al.* 1995: 42; Bolton, 2003: 147; Borowiec, M.L. 2016: 78.

PARAFORMICA [junior synonym of *Cataglyphis*]

Paraformica Forel, 1915b: 95 (footnote) [as subgenus of *Formica*]. Type-species: *Formica (Paraformica) emmae* Forel, 1909e: 381, by monotypy.

Taxonomic history

Paraformica in Camponotinae, Formicini: Forel, 1917: 250.

Paraformica in Formicinae, Formicini: Wheeler, W.M. 1922a: 699; Emery, 1925b: 260.

Paraformica as subgenus of *Formica*: Forel, 1915b: 95; Forel, 1917: 250; Wheeler, W.M. 1922a: 699.

Paraformica as genus: Emery, 1925b: 260; Donisthorpe, 1943f: 680.

Paraformica as subgenus of *Proformica*: Kuznetsov-Ugamsky, 1928a: 7.

Paraformica as subgenus of *Cataglyphis*: Santschi, 1925g: 353; Santschi, 1929b: 30.

Paraformica as junior synonym of *Cataglyphis*: Brown, 1973b: 183 [provisional]; Agosti, 1990b: 1462; Hölldobler & Wilson, 1990: 18; Agosti, 1994a: 103; Bolton, 1995b: 41; Bolton, 2003: 127.

PARAHOLCOMYRMEX: incorrect subsequent spelling of *Parholcomyrmex*.

**PARAMERANOPLUS* [Myrmicinae: Crematogastrini]

**Parameranoplus* Wheeler, W.M. 1915h: 69. Type-species: **Parameranoplus primaevus* Wheeler, W.M. 1915h: 69, by monotypy.

Taxonomic history

**Parameranoplus* in Myrmicinae, Tetramoriini: Wheeler, W.M. 1915h: 69; Donisthorpe, 1943f: 681.

- **Parameranoplus incertae sedis* in Myrmicinae: Dlussky & Fedoseeva, 1988: 81.
- **Parameranoplus* in Myrmicinae, Meranoplini: Bolton, 1994: 105; Bolton, 1995b: 41, 311; Bolton, 2003: 68, 242.
- **Parameranoplus* in Myrmicinae, Crematogastrini: Ward, *et al.* 2015: 77.
- **Parameranoplus* as genus: all authors.
- ****Parameranoplus* references:** Dlussky, 1997: 55 (in Baltic amber genera key).

PARAMYCETOPHYLAX [Myrmicinae: Attini]

Paramycetophylax Kusnezov, 1956: 24 (diagnosis in key). Type-species: *Sericomyrmex bruchi* Santschi, 1916e: 383, by original designation.

Taxonomic history

- Paramycetophylax* in Myrmicinae, Attini: Ward, *et al.* 2015: 77.
- Paramycetophylax* as junior synonym of *Mycetophylax*: Weber, 1958d: 262; Kempf, 1972a: 145; Hölldobler & Wilson, 1990: 14; Bolton, 1995b: 41; Bolton, 2003: 199.
- Paramycetophylax* as genus: Klingenberg & Brandão, 2009: 26.
- Paramycetophylax* references:** Klingenberg & Brandão, 2009: 26 (diagnosis, review).

PARAMYRMAMBLYS [subgenus of *Camponotus*]

Paramyrmamblys Santschi, 1926c: 604 [as subgenus of *Camponotus*]. Type-species: *Camponotus (Myrmamblys) ostiarius* Forel, 1914d: 258, by original designation.

Taxonomic history

- Paramyrmamblys* as subgenus of *Camponotus*: Santschi, 1926c: 604; subsequent authors; Bolton, 1995b: 41; Bolton, 2003: 119.
- [Note: world list of species in *C. (Paramyrmamblys)*: Bolton, 1995b: 131.]

PARAMYRMICA [junior synonym of *Myrmica*]

Paramyrmica Cole, 1957a: 37. Type-species: *Paramyrmica colax* Cole, 1957a: 37, by original designation.

Taxonomic history

- Paramyrmica* in Myrmicinae, Myrmicini: Wheeler, G.C. & Wheeler, J. 1985: 257.
- Paramyrmica* as genus: Gregg, 1961: 215; Smith, M.R. 1967: 350; Smith, D.R. 1979: 1351; Wheeler, G.C. & Wheeler, J. 1985: 257.
- Paramyrmica* as junior synonym of *Myrmica*: Brown, 1973b: 183 [provisional]; Bolton, 1988a: 3; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 75; Bolton, 1995b: 41; Tang, J., Li, *et al.* 1995: 48; Bolton, 2003: 222; Radchenko & Elmes, 2010: 52.

PARAMYRMA [junior synonym of *Solenopsis*]

Paranamyрма Kusnezov, 1953d: 17. Type-species: *Paranamyрма solenopsidis* Kusnezov, 1953d: 17, by monotypy.

Taxonomic history

- [*Paranamyрма* also described as new by Kusnezov, 1954a: 9.]
- Paranamyрма* in Myrmicinae, Solenopsidini: Kusnezov, 1957a: 267 (in key); Kusnezov, 1962b: 160; Kusnezov, 1964: 61.
- Paranamyрма* 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: 41; Tang, J., Li, *et al.* 1995: 71; Bolton, 2003: 218.

***PARANEURETUS** [Aneuretinae]

**Paraneuretus* Wheeler, W.M. 1915h: 73. Type-species: **Paraneuretus tornquisti* Wheeler, W.M. 1915h: 75, by original designation.

Taxonomic history

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

[**Paraneuretus* Wheeler, W.M. 1910g: 148. *Nomen nudum*.]

[**Paraneuretus* Emery, 1913a: 2. *Nomen nudum* (attributed to Wheeler, W.M.).]

**Paraneuretus* in Dolichoderinae, Aneuretini: Wheeler, W.M. 1915h: 73; Donisthorpe, 1943f: 681.

**Paraneuretus* in Aneuretinae: Wilson, Eisner, Wheeler & Wheeler, 1956: 93 (footnote); Snelling, R.R. 1981: 400; Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 17; Bolton, 1994: 15; Bolton, 1995b: 41; Bolton, 2003: 18, 80.

**Paraneuretus* as genus: all authors.

****Paraneuretus* catalogues:** Shattuck, 1994: 2; Bolton, 1995b: 311.

****Paraneuretus* references:** Dlussky, 1997: 53 (in Baltic amber genera key).

PARANOMOPONE [junior synonym of *Heteroponera*]

Paranomopone Wheeler, W.M. 1915c: 117. Type-species: *Paranomopone relictata* Wheeler, W.M. 1915c: 188, by monotypy.

Taxonomic history

Paranomopone in Ponerinae, Ectatommini: Forel, 1917: 236; Emery, 1919c: 106; Wheeler, W.M. 1922a: 642; Wheeler, W.M. 1930f: 13; Donisthorpe, 1943f: 681.

Paranomopone as genus: Forel, 1917: 236; Emery, 1919c: 106; Wheeler, W.M. 1922a: 642; Wheeler, W.M. 1930f: 13; Donisthorpe, 1943f: 681.

Paranomopone as junior synonym of *Heteroponera*: Brown, in Borgmeier, 1957: 112; Brown, 1958g: 194; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 41; Bolton, 2003: 177.

***PARAPARATRECHINA** [Formicinae: Lasiini]

Paraparatrechina Donisthorpe, 1947d: 192 [as subgenus of *Paratrechina*]. Type-species: *Paratrechina (Paraparatrechina) pallida* Donisthorpe, 1947d: 192, by monotypy.

Taxonomic history

Paraparatrechina in Formicinae, Acanthomyopsini: Donisthorpe, 1947d: 192.

Paraparatrechina in Formicinae, *Prenolepis* genus group: LaPolla, Brady & Shattuck, 2010a: 127.

Paraparatrechina in Formicinae, Lasiini: Ward, Blaimer & Fisher, 2016: 347.

Paraparatrechina as junior synonym of *Paratrechina*: Brown, 1973b: 183 [provisional]; Trager, 1984b: 58; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 41; Tang, J., Li, *et al.* 1995: 93; Bolton, 2003: 104.

Paraparatrechina as genus: LaPolla, Brady & Shattuck, 2010a: 128.

***Paraparatrechina* catalogue:** Fisher & Bolton, 2016: 353 (Afrotropical, Malagasy checklist).

***Paraparatrechina* references:** LaPolla, Brady & Shattuck, 2010a: 128 (diagnosis, status, synopsis); LaPolla, Cheng & Fisher, 2010: 3 (**Afrotropical and Malagasy species revision, key**); LaPolla & Fisher, 2014a: 141 (**Afrotropical and Malagasy species key**); Fisher & Bolton, 2016: 352 (diagnosis).

[Note: prior to 2010 *Paraparatrechina* references are included under *Paratrechina*.]

PARAPHACOTA [junior synonym of *Monomorium*]

Paraphacota Santschi, 1919d: 90. Type-species: *Paraphacota surcoufi* Santschi, 1919d: 90 (junior synonym of *Myrmica subopaca* Smith, F. 1858b: 127), by monotypy.

Taxonomic history

[Type-species not *Phacota noualhierii* Emery, 1895b: 67, unjustified subsequent designation by Santschi, 1927d: 245; repeated by Ettershank, 1966: 82, Bolton, 1973a: 352.]

Paraphacota in Myrmicinae, Solenopsidini: Wheeler, W.M. 1922a: 663; Donisthorpe, 1943f: 681.

Paraphacota as genus: Donisthorpe, 1943f: 681.

Paraphacota as junior synonym of *Monomorium*: Santschi, 1927d: 243; Ettershank, 1966: 82; Bolton, 1973a: 352; Smith, D.R. 1979: 1381; Bolton, 1987: 287, 293; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 105; Bolton, 1995b: 41; Bolton, 2003: 213.

***PARAPHAENOGASTER** [Myrmicinae: Stenammini]

***Paraphaenogaster** Dlussky, 1981b: 68. Type-species: **Paraphaenogaster microphthalmus* Dlussky, 1981b: 69, by original designation.

Taxonomic history

***Paraphaenogaster** in Myrmicinae, Pheidolini: Dlussky & Fedoseeva, 1988: 80; Bolton, 1994: 106; Bolton, 1995b: 41, 312.

***Paraphaenogaster incertae sedis** in Myrmicinae, Pheidolini: Bolton, 2003: 64, 236.

***Paraphaenogaster** in Myrmicinae, Stenammini: Ward, *et al.* 2015: 76.

***Paraphaenogaster** as genus: all authors.

[***PARAPHAEOGASTER**: incorrect subsequent spelling by Hong, 1984: 8.]

***Paraphaenogaster references**: Dlussky & Perfilieva, 2014: 432 (diagnosis); Dlussky & Putyatina, 2014: 271 (diagnosis, compression fossils).

PARAPHEIDOLE [junior synonym of *Pheidole*]

Parapheidole Emery, 1915d: 68. Type-species: *Aphaenogaster oculata* Emery, 1899f: 276, by monotypy.

Taxonomic history

Parapheidole in Myrmicinae, Pheidolini: Forel, 1917: 241; Emery, 1922e: 115; Wheeler, W.M. 1922a: 661.

Parapheidole as genus: Forel, 1917: 241; Emery, 1922e: 115; Wheeler, W.M. 1922a: 661.

Parapheidole as junior synonym of *Pheidole*: Brown, 1973b: 183 [provisional]; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 90; Bolton, 1995b: 41; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234.

PARAPLAGIOLEPIS [junior synonym of *Plagiolepis*]

Paraplagiolepis Faber, 1969: 65 [as subgenus of *Plagiolepis*]. Type-species: *Plagiolepis xene* Stärcke, 1936: 279, by monotypy.

Taxonomic history

Paraplagiolepis as junior synonym of *Plagiolepis*: Brown, 1973b: 183 [provisional]; Smith, D.R. 1979: 1422; Hölldobler & Wilson, 1990: 18; Bolton, 1994: 51; Bolton, 1995b: 41; Bolton, 2003: 105.

PARAPONERA [Paraponerinae]

Paraponera Smith, F. 1858b: 100. Type-species: *Formica clavata* Fabricius, 1775: 394, by monotypy.

Taxonomic history

Paraponera in Poneridae: Smith, F. 1858b: 100.

Paraponera in Ponerinae: Mayr, 1862: 714 [Poneridae]; Mayr, 1865: 14 [Poneridae]; Dalla Torre, 1893: 18 [Ponerinae]; Emery, 1896e: 177 [Ponerinae].

Paraponera in Ponerinae, Ponerini: Forel, 1895b: 111; Forel, 1899c: 10.

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

Paraponera in Ponerinae, Ectatommini: Emery, 1895j: 767; Wheeler, W.M. 1910g: 135; Brown, 1954e: 25 (in text); Brown, 1958g: 205; Kusnezov, 1964: 50; Kempf, 1972a: 181; Wheeler, G.C. & Wheeler, J. 1985: 256; Dlussky & Fedoseeva, 1988: 79; Hölldobler & Wilson, 1990: 10; Bolton, 1994: 164.

Paraponera in Ponerinae, Paraponerini: Emery, 1911d: 27; Forel, 1917: 236; Wheeler, W.M. 1922a: 641; Donisthorpe, 1943f: 681; Jaffe, 1993: 7; Lattke, 1994: 111; Bolton, 1995b: 41.

Paraponera in Paraponerinae: Bolton, 2003: 48, 178.

Paraponera as genus: all authors.

Paraponera catalogues: Mayr, 1863: 440; Roger, 1863b: 18; Dalla Torre, 1893: 18; Emery, 1911d: 27; Kempf, 1972a: 181; Bolton, 1995b: 312;

Paraponera references: Mayr, 1862: 730 (diagnosis); Mayr, 1865: 14 (diagnosis); Emery, 1911d: 27 (diagnosis); Brown, 1958g: 205 (review of genus); Kugler, C. 1991: 154 (sting structure); Lattke, 1994: 111 (review of genus, phylogeny); Bolton, 2003: 47, 178 (diagnosis, synopsis); Ouellette, Fisher *et al.* 2006: 359 (phylogeny); Brady, Schultz, *et al.* 2006: 18173 (phylogeny); Moreau, Bell *et al.* 2006: 102 (phylogeny); Ward, 2007a: 555 (classification); Keller, 2011: 1 (morphology, phylogeny); Baccaro, *et al.* 2015: 308 (genus in Brazil).

PARAPRIONOPELTA [junior synonym of *Fulakora*]

Paraprionopelta Kusnezov, 1955: 270. Type-species: *Paraprionopelta minima* Kusnezov, 1955: 271, by monotypy.

Taxonomic history

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

Paraprionopelta incertae sedis in Formicidae: Wheeler, G.C. & Wheeler, J. 1985: 259.

Paraprionopelta in Ponerinae, Amblyoponini: Kempf, 1972a: 181; Jaffe, 1993: 7; Bolton, 1994: 164; Bolton, 1995b: 41.

Paraprionopelta incertae sedis in Amblyoponinae: Bolton, 2003: 42, 156.

Paraprionopelta as genus: Brown, 1960a: 181; Kempf, 1972a: 181; Bolton, 1995b: 41; Bolton, 2003: 42, 156.

Paraprionopelta as junior synonym of *Amblyopone*: Brown, 1973b: 183 [provisional]; Hölldobler & Wilson, 1990: 9; Tang, J., Li, *et al.* 1995: 24.

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

PARASIMA [junior synonym of *Tetraponera*]

Parasima Donisthorpe, 1948d: 592 [as subgenus of *Tetraponera*]. [Unnecessary replacement name for *Sima*, *sensu* Emery, 1921f: 23 (not *Sima* Roger, 1863a: 178).]

Taxonomic history

Parasima as junior synonym of *Tetraponera*: Ward, 1990: 470; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 41; Tang, J., Li, *et al.* 1995: 46; Bolton, 2003: 136.

PARASYSCIA [Dorylinae]

Parasyscia Emery, in André, 1882c: 235. Type-species: *Parasyscia piochardi* Emery, in André, 1882c: 236, by monotypy.

Taxonomic history

Parasyscia in Ponerinae: Forel, 1891b: 137 [Poneridae]; Dalla Torre, 1893: 17 [Ponerinae].

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

Parasyscia in Dorylinae, Cerapachyini: Emery, 1895j: 765.

Parasyscia in Ponerinae, Cerapachyini: Forel, 1893a: 162 [Cerapachysii]; Ashmead, 1905b: 382; Emery, 1911d: 9.

Parasyscia in Dorylinae: Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 198.

Parasyscia as subgenus of *Cerapachys*: Forel, 1892l: 243 (in key); Emery, 1902c: 24; Wheeler, W.M. 1902d: 185; Emery, 1909c: 356; Wheeler, W.M. 1910g: 137; Emery, 1911d: 9; Forel, 1917: 239; Wheeler, W.M. 1922a: 639; Donisthorpe, 1943f: 681; Smith, M.R. 1947f: 528; Creighton, 1950a: 57; Smith, M.R. 1951a: 782.

Parasyscia as junior synonym of *Cerapachys*: Kempf, 1972a: 7, 76; Brown, 1975: 18; Smith, D.R. 1979: 1333; Ogata, 1987: 129; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 41; Tang, J., Li, *et al.* 1995: 25; Bolton, 2003: 140.

Parasyscia as genus: Forel, 1891b: 137; Dalla Torre, 1893: 17; Emery, 1896e: 175; Ashmead, 1905b: 382; Borowiec, M.L. 2016: 198.

Parasyscia **catalogues**: Emery, 1911d: 9; Borowiec, M.L. 2016: 204 (species checklist); Fisher & Bolton, 2016: 355 (Afrotropical, Malagasy checklist).

Parasyscia **references**: Brady, *et al.* 2014: 4 (phylogeny); Borowiec, M.L. 2016: 198 (diagnosis); Fisher & Bolton, 2016: 354 (diagnosis).

PARATOPULA [Myrmicinae: Crematogastrini]

Paratopula Wheeler, W.M. 1919e: 144. Type-species: *Atopomyrmex ceylonicus* Emery, 1901f: 114, by original designation.

Taxonomic history

Paratopula in Myrmicinae, Myrmecini: Wheeler, W.M. 1922a: 663.

Paratopula in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 41.

Paratopula in Myrmicinae, Paratopulini: Bolton, 2003: 65, 237.

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

Paratopula as junior synonym of *Atopula*: Brown, 1973b: 183 [provisional].

Paratopula as genus: Wheeler, W.M. 1922a: 678 (footnote); Donisthorpe, 1943f: 682; Bolton, 1988b: 125; Hölldobler & Wilson, 1990: 14; Bolton, 1995b: 41; Bolton, 2003: 65, 237.

Paratopula **catalogues**: Chapman & Capco, 1951: 115, 118 (Asia *Atopula*, *Paratopula*); Bolton, 1995b: 312.

Paratopula **references**: Bolton, 1988b: 125 (diagnosis, review of genus, **all species revision, key**); Eguchi, *et al.* 2011: 22 (diagnosis, Vietnam synopsis); Xu & Xu, 2012: 595 (**all species key**); Luo & Guénard, 2017: 10 (**all species key**).

PARATRACHYMYRMEX [Myrmicinae: Attini]

Paratrachymyrmex Solomon, Rabeling, Sosa-Calvo & Schultz, in Solomon, Rabeling, *et al.* 2019: 952. Type-species: *Atta (Trachymyrmex) intermedia* Forel, 1909a: 249, by original designation.

Taxonomic history

Paratrachymyrmex in Myrmicinae, Attini, **Attina**: Solomon, Rabeling, *et al.* 2019: 940.

PARATRECHINA [Formicinae: Lasiini]

Paratrechina Motschoulsky, 1863: 13. Type-species: *Paratrechina currens* Motschoulsky, 1863: 14 (junior synonym of *Formica longicornis* Latreille, 1802c: 113), by subsequent designation of Wheeler, W.M. 1911f: 170.

Taxonomic history

Paratrechina in Formicinae, Acanthomyopsini: Donisthorpe, 1943f: 682.

Paratrechina in Formicinae, Prenolepidini: Chapman & Capco, 1951: 218; Hölldobler & Wilson, 1990: 18.

Paratrechina in Formicinae, Myrmelachistini: Wheeler, G.C. & Wheeler, J. 1970: 652; Wheeler, G.C. & Wheeler, J. 1976b: 101.

Paratrechina in Formicinae, Brachymyrmecini: Wheeler, G.C. & Wheeler, J. 1985: 258.

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

Paratrechina in Formicinae, Plagiolepidini: Bolton, 2003: 23, 104.

Paratrechina in Formicinae, *Prenolepis* genus group: LaPolla, Brady & Shattuck, 2010a: 128.

Paratrechina in Formicinae, Lasiini: Emery, 1925b: 216; Stitz, 1939: 379; Bernard, 1953b: 257; Kempf, 1972a: 182; Bolton, 1973a: 361; Smith, D.R. 1979: 1442; Dlussky & Fedoseeva, 1988: 77; Brandão, 1991: 365; Jaffe, 1993: 14; Bolton, 1994: 50; Bolton, 1995b: 42; Ward, Blaimer & Fisher, 2016: 347.

Paratrechina as junior synonym of *Prenolepis*: Dalla Torre, 1893: 177; Forel, 1899c: 125; Wheeler, W.M. 1922a: 940.

Paratrechina as genus: all authors except Dalla Torre, 1893: 177; Forel, 1899c: 125; Wheeler, W.M. 1922a: 940.

***Paratrechina* catalogues:** Dalla Torre, 1893: 177 (as part of *Prenolepis*); Emery, 1925b: 216; Chapman & Capco, 1951: 218 (Asia); Kempf, 1972a: 182 (Neotropical); Smith, D.R. 1979: 1442 (North America); Taylor & Brown, 1985: 129 (Australia); Bolton, 1995b: 312; Fisher & Bolton, 2016: 358 (Afrotropical, Malagasy checklist).

***Paratrechina* references:** André, 1882b: 203 (Europe & Algeria species key); Forel, 1894c: 406 (India & Sri Lanka species key); Emery, 1925b: 216 (diagnosis); Finzi, 1936: 191 (Egypt species key); Buren, 1944a: 295 (U.S.A., Iowa species key); Creighton, 1950a: 404 (**Nearctic species key**); Kusnezov, 1956: 32 (Argentina species key); Bernard, 1967: 347 (diagnosis, Western Europe species key); Alayo, 1974: 26 (Cuba species key); Arnol'di & Dlussky, 1978: 556 (former European U.S.S.R. species key); Trager, 1984b: 65 (**Nearctic species revision, key**); Wheeler, G.C. & Wheeler, J. 1986g: 64 (U.S.A., Nevada species key); Collingwood, 1985: 298 (Saudi Arabia species key); Morisita, *et al.* 1991: 20 (Japan species key); Bolton, 1995a: 1051 (census); Wu, J. & Wang, 1995: 150 (China species key); Collingwood & Agosti, 1996: 369 (Saudi Arabia species key); Terayama, 1999c: 50 (Japan species key); Shattuck, 1999: 104 (Australia synopsis); Zhou, 2001b: 177 (China, Guangxi species key); Mackay & Mackay, 2002: 354 (U.S.A., New Mexico species key); Terayama, 2009: 210 (Taiwan species key); Heterick, 2009: 104 (south-western Australia species key); LaPolla, Brady & Shattuck, 2010a: 127 (diagnosis, synopsis); LaPolla, Hawkes & Fisher, 2013: 75 (**all species key**); LaPolla & Fisher,

2014b: 41 (**all species key**); Baccaro, *et al.* 2015: 190 (genus in Brazil); Fisher & Bolton, 2016: 356 (diagnosis); Fernández & Ortiz-Sepúlveda, 2019: 738 (Colombia species).
[Note: prior to 2010 *Paratrechina* references also include *Nylanderia* and *Paraparatrechina*.]

PARECTATOMMA [junior synonym of *Gnamptogenys*]

Parectatomma Emery, 1911d: 44 [as subgenus of *Ectatomma*]. Type-species: *Ectatomma* (*Gnamptogenys*) *triangulare* Mayr, 1887: 544, by original designation.

Taxonomic history

Parectatomma as subgenus of *Gnamptogenys*: Forel, 1917: 236.

Parectatomma as subgenus of *Ectatomma*: Wheeler, W.M. 1922a: 643; Donisthorpe, 1943f: 682; Creighton, 1950a: 35; Kusnezov, 1956: 14.

Parectatomma as junior synonym of *Gnamptogenys*: Brown, 1958g: 212; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 42; Bolton, 2003: 174.

PARHOLCOMYRMEX [junior synonym of *Trichomyrmex*]

Parholcomyrmex Emery, 1915i: 190 (in text) [as subgenus of *Monomorium*]. Type-species: *Myrmica gracillima* Smith, F. 1861a: 34 (junior synonym of *Atta destructor* Jerdon, 1851: 105), by original designation.

Taxonomic history

Parholcomyrmex as subgenus of *Monomorium*: Emery, 1915i: 190; Forel, 1917: 242; Emery, 1922e: 179; Wheeler, W.M. 1922a: 676; subsequent authors.

Parholcomyrmex as junior synonym of *Monomorium*: Ettershank, 1966: 82; Kempf, 1972a: 143; Bolton, 1973a: 352; Smith, D.R. 1979: 1381; Bolton, 1987: 287, 296; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 104; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 68; Bolton, 2003: 212.

Parholcomyrmex as junior synonym of *Trichomyrmex*: Ward, *et al.* 2015: 76.

[**PARAHOLCOMYRMEX**: incorrect subsequent spelling by Emery, 1915i: 191 (in key), Forel, 1917: 242.]

PARVAPONERA [Ponerinae: Ponerini]

Parvaponera Schmidt, C.A. & Shattuck, 2014: 198. Type-species: *Belonopelta darwinii* Forel, 1893d: 460, by original designation.

Taxonomic history

Parvaponera in Ponerinae, Ponerini, *Ponera* genus group: Schmidt, C.A. & Shattuck, 2014: 198.

***Parvaponera* catalogues**: Schmidt, C.A. & Shattuck, 2014: 200 (species checklist); Fisher & Bolton, 2016: 360 (Afrotropical, Malagasy checklist).

***Parvaponera* references**: Eguchi, *et al.* 2014: 38 (diagnosis, Vietnam synopsis); Fisher & Bolton, 2016: 358 (diagnosis).

PARVIMYRMA [junior synonym of *Carebara*]

Parvimyrma Eguchi & Bui, 2007: 40. Type-species: *Parvimyrma sangi* Eguchi & Bui, 2007: 44, by original designation.

Taxonomic history

Parvimyrma in Myrmicinae, *Solenopsis* genus group: Eguchi & Bui, 2007: 40.

Parvimyrma as genus: Eguchi, *et al.* 2011: 23 (error)

Parvimyrma as junior synonym of *Carebara*: Fernández, 2010: 195.

PATAGONOMYRMEX [Myrmicinae: Pogonomyrmecini]

Patagonomyrmex Johnson, R.A. & Moreau, 2016: 10. Type-species: *Pogonomyrmex angustus* Mayr, 1870b: 970, by original designation.

Taxonomic history

Patagonomyrmex in Myrmicinae, Pogonomyrmecini: Johnson, R.A. & Moreau, 2016: 9.

Patagonomyrmex references: Johnson, R.A. & Moreau, 2016: 10 (**all species revision, key**).

PEDETES [junior synonym of *Odontomachus*]

Pedetes Bernstein, 1861: 7. Type-species: *Pedetes macrorhynchus* Bernstein, 1861: 8, by monotypy.

Taxonomic history

Pedetes as junior synonym of *Odontomachus*: Dalla Torre, 1893: 49; Emery, 1911d: 111; subsequent authors; Bolton, 1973a: 333; Brown, 1976a: 96; Ogata, 1987: 125; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 30; Bolton, 2003: 165; Schmidt, C.A. & Shattuck, 2014: 114.

PENASTRUMA [junior synonym of *Strumigenys*]

Pentastruma Forel, 1912a: 50. Type-species: *Pentastruma sauteri* Forel, 1912a: 51, by monotypy.

Taxonomic history

Pentastruma in Myrmicinae, Dacetini, Strumigeniti: Brown & Wilson, 1959b: 282.

Pentastruma in Myrmicinae, Dacetini: Emery, 1914a: 42; Forel, 1917: 246; Wheeler, W.M. 1922a: 666; Emery, 1924d: 326; Donisthorpe, 1943f: 682; Brown, 1948e: 102; Hölldobler & Wilson, 1990: 14; Bolton, 1995b: 42.

Pentastruma as genus: Emery, 1914a: 42; Forel, 1917: 246; Wheeler, W.M. 1922a: 666; Emery, 1924d: 326; Donisthorpe, 1943f: 682; Brown, 1948e: 102; Brown & Wilson, 1959b: 282; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 135; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 83.

Pentastruma as junior synonym of *Pyramica*: Bolton, 1999: 1667; Bolton, 2000: 91; Bolton, 2003: 189.

Pentastruma as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 15; Baroni Urbani & De Andrade, 2007: 101.

PERGANDEA [*Nomen nudum*]

Pergandea Ashmead, 1905b: 382. *Nomen nudum*.

Pergandea as *nomen nudum*: Bolton, 2003: 266.

PERISSOMYRMEX [Myrmicinae: Crematogastrini]

Perissomyrmex Smith, M.R. 1947i: 281. Type-species: *Perissomyrmex snyderi* Smith, M.R. 1947i: 282, by original designation.

Taxonomic history

Perissomyrmex in Myrmicinae, Pheidolini: Hölldobler & Wilson, 1990: 16.

Perissomyrmex in Myrmicinae, Archaeomyrmecini?: Brandão, 1991: 391.

Perissomyrmex in Myrmicinae, Myrmecini: Smith, M.R. 1947i: 281; Kempf, 1972a: 182; Dlussky & Fedoseeva, 1988: 79; Bolton, 1994: 105; Bolton, 1995b: 42; Longino & Hartley, 1995: 199; Bolton, 2003: 71, 256.

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

Perissomyrmex as genus: all authors.

***Perissomyrmex* catalogues:** Kempf, 1972a: 182; Bolton, 1995b: 316.

***Perissomyrmex* references:** Longino & Hartley, 1995: 195 (review); Radchenko, 2003: 18 (**all species revision, key**); Zhou & Huang, 2006: 189 (China species, key); Ogata & Okido, 2007: 358 (**all species revision, key**); Xu & Zhang, 2012: 148 (diagnosis, **all species revision, key**).

PERONOMYRMEX [Myrmicinae: Crematogastrini]

Peronomyrmex Viehmeyer, 1922: 212. Type-species: *Peronomyrmex overbecki* Viehmeyer, 1922: 213, by monotypy.

Taxonomic history

Peronomyrmex in Myrmicinae, Dacetini: Donisthorpe, 1943f: 682; Brown, 1948e: 102.

Peronomyrmex in Myrmicinae, Meranoplini: Brown, 1949f: 84.

Peronomyrmex incertae sedis in Myrmicinae: Dlussky & Fedoseeva, 1988: 81.

Peronomyrmex in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 42; Bolton, 2003: 70, 250.

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

Peronomyrmex as genus: all authors.

***Peronomyrmex* catalogues:** Taylor & Brown, 1985: 74; Taylor, 1987a: 53; Bolton, 1995b: 316.

***Peronomyrmex* references:** Taylor, 1970b: 209 (review of genus); Shattuck, 1999: 151 (synopsis); Shattuck, 2006: 50 (**all species, key**).

PETALOMYRMEX [Formicinae: Plagiolepidini]

Petalomyrmex Snelling, R.R. 1979b: 5. Type-species: *Petalomyrmex phylax* Snelling, R.R. 1979b: 5, by original designation.

Taxonomic history

Petalomyrmex in Formicinae, Myrmelachistini: Hölldobler & Wilson, 1990: 18.

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

Petalomyrmex in Formicinae, Brachymyrmecini: Wheeler, G.C. & Wheeler, J. 1985: 258; Bolton, 1994: 50; Bolton, 1995b: 42.

Petalomyrmex in Formicinae, Plagiolepidini: Bolton, 2003: 23, 104; Ward, Blaimer & Fisher, 2016: 348.

Petalomyrmex as genus: all authors.

***Petalomyrmex* catalogue:** Bolton, 1995b: 316.

***Petalomyrmex* reference:** Fisher & Bolton, 2016: 360 (diagnosis).

***PETRAEOMYRMEX** [*incertae sedis* in Dolichoderinae]

****Petraeomyrmex*** Carpenter, 1930: 55. Type-species: **Petraeomyrmex minimus* Carpenter, 1930: 55, by original designation.

Taxonomic history

****Petraeomyrmex*** in Dolichoderinae, Tapinomini: Hölldobler & Wilson, 1990: 17.

**Petraeomyrmex* in Dolichoderinae, Dolichoderini: Shattuck, 1994: 135; Bolton, 1994: 26; Bolton, 1995b: 42; Bolton, 2003: 19, 90.

**Petraeomyrmex incertae sedis* in Dolichoderinae: Carpenter, 1930: 55; Ward, *et al.* 2010: 362.

**Petraeomyrmex* as genus: all authors.

****Petraeomyrmex* catalogues**: Shattuck, 1994: 135; Bolton, 1995b: 316.

***PETROPONE** [*incertae sedis* in Aculeata]

****Petropone*** Dlussky, 1975: 119. Type-species: **Petropone petiolata* Dlussky, 1975: 119, by original designation.

Taxonomic history

**Petropone* in Ponerinae: Dlussky, 1975: 119.

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

**Petropone incertae sedis* in *Armaniidae: Dlussky & Fedoseeva, 1988: 77; Bolton, 1994: 187; Bolton, 1995b: 42.

**Petropone incertae sedis* in Formicidae: Bolton, 2003: 49, 181; Barden, 2017: 3.

Petropone* **excluded from Formicidae, *incertae sedis* in Hymenoptera, Aculeata: Grimaldi, *et al.* 1997: 7; Borysenko, 2017: 20.

**Petropone* as junior synonym of **Sphecomyrma*?: Hölldobler & Wilson, 1990: 9.

**Petropone* as genus: Carpenter, 1992: 493; Bolton, 1994: 187; Bolton, 1995b: 42, 316; Grimaldi, *et al.* 1997: 7; Bolton, 2003: 49, 181; Barden, 2017: 3; Borysenko, 2017: 20.

PHACOTA [junior synonym of *Monomorium*]

Phacota Roger, 1862b: 260. Type-species: *Phacota sichelii* Roger, 1862b: 262, by monotypy.

Taxonomic history

Phacota in Myrmicidae, Pheidolidae: Emery, 1877a: 81.

Phacota in Myrmicinae: Mayr, 1865: 22 [Myrmicidae]; Emery & Forel, 1879: 464 [Myrmicidae]; Dalla Torre, 1893: 71 [Myrmicinae].

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

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

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

Phacota in Myrmicinae, Solenopsidini: Emery, 1896e: 182; Emery, 1914a: 41 [subtribe Monomoriini]; Forel, 1917: 243; Emery, 1922e: 187 [subtribe Monomoriini]; Wheeler, W.M. 1922a: 662; subsequent authors; Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106; Bolton, 1995b: 42; Bolton, 2003: 61, 217.

Phacota as genus: Mayr, 1863: 440; Roger, 1863b: 28; Mayr, 1865: 22; Emery, 1877a: 81; Emery & Forel, 1879: 464; Dalla Torre, 1893: 71; Emery, 1895j: 769; Emery, 1896e: 182; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 139; Emery, 1914a: 41; Forel, 1917: 243; Emery, 1922e: 187; Wheeler, W.M. 1922a: 662; subsequent authors; Hölldobler & Wilson, 1990: 14; Bolton, 1987: 281; Bolton, 1994: 106; Bolton, 1995b: 42; Bolton, 2003: 61, 217.

Phacota as junior synonym of *Monomorium*: Ettershank, 1966: 82; Bolton, 1973a: 351; Fernández, in Heterick, 2006: 79; Fernández, 2007b: 130.

PHALACROMYRMEX [Myrmicinae: Attini]

Phalacromyrmex Kempf, 1960b: 89. Type-species: *Phalacromyrmex fugax* Kempf, 1960b: 90, by original designation.

Taxonomic history

Phalacromyrmex incertae sedis in Myrmicinae: Kempf, 1960b: 90; Jaffe, 1993: 12.

Phalacromyrmex in Myrmicinae, Myrmicini: Kusnezov, 1964: 56.

Phalacromyrmex in Myrmicinae, Dacetini: Kempf, 1972a: 182; Baroni Urbani & De Andrade, 1994: 31; Baroni Urbani & De Andrade, 2007: 99.

Phalacromyrmex in Myrmicinae, *Phalacromyrmex* genus group: Bolton, 1984: 382; Brandão, 1991: 368.

Phalacromyrmex in Myrmicinae, Phalacromyrmecini: Dlussky & Fedoseeva, 1988: 80; Bolton, 1994: 106; Bolton, 1995b: 42; Bolton, 1998: 67; Bolton, 2003: 55, 192.

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

Phalacromyrmex as genus: all authors.

***Phalacromyrmex* catalogues:** Kempf, 1972a: 182; Bolton, 1995b: 316.

***Phalacromyrmex* references:** Bolton, 1984: 377 (review of genus); Baccaro, *et al.* 2015: 250 (genus in Brazil).

PHARAOPHANES [junior synonym of *Monomorium*]

Pharaophanes Bernard, 1967: 168 (attributed to Santschi) [as subgenus of *Monomorium*]. Type-species: *Formica pharaonis* Linnaeus, 1758: 580, by monotypy.

Taxonomic history

[***Pharaophanes*** Bernard, 1953b: 238 (attributed to Santschi) [as subgenus of *Monomorium*]. Unavailable name (proposed without designation of type-species): Baroni Urbani, 1971c: 90, Bolton, 1987: 288; Ogata, 1991b: 105, Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 68. Taxa included by Bernard (1953) are all referable to *Monomorium* (Bolton, 1987: 288; Bolton, 1995b: 42).]

Pharaophanes Bernard, 1967, as junior synonym of *Monomorium*: Bolton, 2003: 213.

PHASMOMYRMEX [subgenus of *Camponotus*]

Phasmomyrmex Stitz, 1910: 146. Type-species: *Phasmomyrmex sericeus* Stitz, 1910: 146 (junior synonym of *Camponotus buchneri* Forel, 1886f: 183), by monotypy.

Taxonomic history

Phasmomyrmex in Dolichoderinae: Stitz, 1910: 146; Donisthorpe, 1943f: 683.

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

Phasmomyrmex in Formicinae, Camponotini: Forel, 1910e: 421; Emery, 1920b: 252; Wheeler, W.M. 1922a: 701; Emery, 1925b: 57; subsequent authors; Hölldobler & Wilson, 1990: 19; Bolton, 1995b: 42; Bolton, 2003: 27, 122.

Phasmomyrmex as genus: Stitz, 1910: 146; Emery, 1920b: 252; Wheeler, W.M. 1922a: 701; Emery, 1925b: 57; subsequent authors; Bolton, 1973a: 360; Hölldobler & Wilson, 1990: 19; Bolton, 1995b: 42; Bolton, 2003: 27, 122.

Phasmomyrmex as subgenus of *Camponotus*: Forel, 1912i: 90; Forel, 1914a: 264; Forel, 1917: 251; Ward, Blaimer & Fisher, 2016: 349.

Phasmomyrmex as senior synonym of *Myrmacantha*: Hölldobler & Wilson, 1990: 19; Ward, Blaimer & Fisher, 2016: 349.

Phasmomyrmex as senior synonym of *Myrmorhachis*: Brown, 1973b: 182 [provisional]; Hölldobler & Wilson, 1990: 19; Ward, Blaimer & Fisher, 2016: 349.

***Phasmomyrmex* references:** included under *Camponotus*.

[Note: world list of species in *C. (Phasmomyrmex)*: Wheeler, W.M. 1922a: 992; Emery, 1925b: 57; Bolton, 1995b: 316.]

PHAULOMYRMA [Leptanillinae: Leptanillini]

Phaulomyrma Wheeler, G.C. & Wheeler, E.W. 1930: 193. Type-species: *Phaulomyrma javana* Wheeler, G.C. & Wheeler, E.W. 1930: 193, by original designation.

Taxonomic history

Phaulomyrma in Leptanillinae, Leptanillini: Wheeler, G.C. & Wheeler, E.W. 1930: 201; Donisthorpe, 1943f: 683; Dlussky & Fedoseeva, 1988: 79; Bolton, 1990b: 277; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 70; Bolton, 1995b: 42; Bolton, 2003: 40; 152.

Phaulomyrma as genus: all authors.

Phaulomyrma catalogues: Bolton, 1995b: 316.

Phaulomyrma references: Petersen, 1968: 593 (review of genus); Baroni Urbani, 1977c: 480 (review of genus); Ogata, *et al.* 1995: 32 (review of genus).

PHEIDOLACANTHINUS [junior synonym of *Pheidole*]

Pheidolacanthinus Smith, F. 1865: 75. Type-species: *Pheidolacanthinus armatus* Smith, F. 1865: 75 (junior synonym of *Myrmica quadrispinosa* Smith, F. 1865: 72), by monotypy.

Taxonomic history

Pheidolacanthinus in Myrmicidae: Smith, F. 1871a: 333.

Pheidolacanthinus in Myrmicinae: Dalla Torre, 1893: 98 [Myrmicinae].

Pheidolacanthinus as genus: Smith, F. 1871a: 333; Dalla Torre, 1893: 98.

Pheidolacanthinus as subgenus of *Pheidole*: Emery, 1915i: 190; Forel, 1917: 241; Emery, 1921f: 81; Wheeler, W.M. 1922a: 673; Donisthorpe, 1943f: 683.

Pheidolacanthinus as junior synonym of *Pheidole*: Brown, 1973b: 183 [provisional]; Smith, D.R. 1979: 1365; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1994:106; Bolton, 1995b: 42; Bolton, 2003: 233.

[**PHIDOLACANTHINUS**: unjustified emendation of spelling by Schulz, W.A. 1906: 155.]

PHEIDOLE [Myrmicinae: Attini]

Pheidole Westwood, 1839: 219. Type-species: *Atta providens* Sykes, 1835: 103, by monotypy.

Taxonomic history

Pheidole in Attidae: Smith, F. 1858b: 172; Smith, F. 1860a: 74; Smith, F. 1862a: 49.

Pheidole in Myrmicidae: Smith, F. 1871a: 331; Cresson, 1887: 262.

Pheidole in Myrmicidae, Pheidolidae: Emery, 1877a: 81.

Pheidole in Myrmicinae: Mayr, 1861: 69 [Myrmicidae]; Mayr, 1865: 22 [Myrmicidae]; Dours, 1873: 169 [Myrmicidae]; Forel, 1874: 81 [Myrmicidae]; Emery & Forel, 1879: 463 [Myrmicidae]; Dalla Torre, 1893: 88 [Myrmicinae]; Emery, 1896e: 184 [Myrmicinae].

Pheidole in Myrmicinae, Myrmicini: Forel, 1895b: 127; Emery, 1895j: 769; Forel, 1899c: 64; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 139; Santschi, 1914b: 75; Kempf, 1972a: 183; Brandão, 1991: 368.

Pheidole in Myrmicinae, Pheidolini: Forel, 1893a: 165; Emery, 1914a: 40; Emery, 1916b: 147; Forel, 1917: 241; Arnold, 1920a: 414; Emery, 1921f: 77; Wheeler, W.M. 1922a: 661; subsequent authors; Bolton, 1995b: 42; Bolton, 2003: 64, 232.

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

Pheidole as genus: all authors.

- Pheidole* as senior synonym of *Allophaidole*: Emery, 1915i: 190; Emery, 1921f: 84; Smith, D.R. 1979: 1366; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234.
- Pheidole* as senior synonym of *Anergatides*: Brown, 1973b: 178 [provisional]; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Wilson, 1984: 328; Hölldobler & Wilson, 1990: 15; Bolton, 1994: 106; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234.
- Pheidole* as senior synonym of *Anisopheidole*: Ward, *et al.* 2015: 75.
- Pheidole* as senior synonym of *Bruchomyrma*: Brown, 1973b: 179 [provisional]; Wilson, 1984: 327; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Wilson, 1984: 327; Hölldobler & Wilson, 1990: 15; Brandão, 1991: 332; Bolton, 1994: 106; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Wilson, 2003: 6; Bolton, 2003: 235.
- Pheidole* as senior synonym of *Cardiopheidole*: Emery, 1915i: 190; Emery, 1921f: 84; Kempf, 1972a: 185; Smith, D.R. 1979: 1366; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234.
- Pheidole* senior synonym of *Cephalomorium*: Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 90; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235; Wilson, 2003: 6.
- Pheidole* as senior synonym of *Ceratopheidole*: Smith, D.R. 1979: 1365; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 233; Wilson, 2003: 6.
- Pheidole* as senior synonym of *Conothoracoides*: Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 90; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235.
- Pheidole* as senior synonym of *Conothorax*: Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 90; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235.
- Pheidole* as senior synonym of *Decapheidole*: Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234; Wilson, 2003: 6.
- Pheidole* as senior synonym of *Elasmopheidole*: Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234.
- Pheidole* as senior synonym of *Electropheidole*: Smith, D.R. 1979: 1365-1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 90; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235.
- Pheidole* as senior synonym of *Epipheidole*: Cole, 1965: 174; Bolton, 1973a: 350; Smith, D.R. 1979: 1365; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 233.
- Pheidole* as senior synonym of *Eriopheidole*: 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: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235.
- Pheidole* as senior synonym of *Gallardomyrma*: Brown, 1973b: 180 [provisional]; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Wilson, 1984: 327; Hölldobler & Wilson, 1990: 15; Brandão, 1991: 340; Ogata, 1991b: 90; Bolton, 1994: 106; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235; Wilson, 2003: 6.

- Pheidole* as senior synonym of *Hendecapheidole*: Brown, 1973b: 181 [provisional]; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 90; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235; Wilson, 2003: 6.
- Pheidole* as senior synonym of *Ischnomyrmex*: Smith, D.R. 1979: 1365; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 233.
- Pheidole* as senior synonym of *Isopheidole*: Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234.
- Pheidole* as senior synonym of *Leptomyrma*: 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: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 233.
- Pheidole* as senior synonym of *Machomyrma*: Ward, *et al.* 2015: 75.
- Pheidole* as senior synonym of *Macropheidole*: Smith, M.R. 1951a: 800; Brown, 1973b: 181 [provisional]; Smith, D.R. 1979: 1366; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234.
- Pheidole* as senior synonym of *Oecophthora*: Smith, F. 1858a: 282; Smith, F. 1858b: 172; Mayr, 1863: 438; Roger, 1863b: 30; Mayr, 1865: 93; Mayr, 1872: 153; Dours, 1873: 169; Forel, 1891b: 169; Dalla Torre, 1893: 88; Forel, 1899c: 64; Emery, 1921f: 77; Donisthorpe, 1943f: 677; Kempf, 1972a: 183; Smith, D.R. 1979: 1365; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 233.
- Pheidole* as senior synonym of *Parapheidole*: Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 90; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234.
- Pheidole* as senior synonym of *Pheidolacanthinus*: Brown, 1973b: 183 [provisional]; Smith, D.R. 1979: 1365; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1994:106; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 233.
- Pheidole* as senior synonym of *Scrobopheidole*: Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234; Wilson, 2003: 6.
- Pheidole* as senior synonym of *Stegopheidole*: Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235.
- Pheidole* as senior synonym of *Sympheidole*: Smith, D.R. 1979: 1365; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 233; Wilson, 2003: 6.
- Pheidole* as senior synonym of *Trachypheidole*: Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235; Wilson, 2003: 6.
- Pheidole* as senior synonym of *Xenoaphaenogaster*: Bolton, 1987: 291 (in text); Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235.
- [**PHIDOLE**: incorrect subsequent spelling by Bingham, 1903: 220.]
- [**PHIDOLA**: unjustified emendation of spelling by Schulz, W.A. 1906: 155.]

***Pheidole* catalogues:** Mayr, 1863: 424, 440 (*Ischnomyrmex*, *Pheidole*); Roger, 1863b: 27, 30 (*Ischnomyrmex*, *Pheidole*); Emery & Forel, 1879: 463 (Europe); Cresson, 1887: 262 (U.S.A.); Dalla Torre, 1893: 88, 98 (*Pheidole*, *Pheidolacanthinus*); Emery, 1921f: 76, 81, 81, 83, 83, 84 (*Machomyrma*, *Pheidole* (*Macropheidole*), *P.* (*Pheidolacanthinus*), *P.* (*Stegopheidole*), *P.* (*Anisopheidole*), *P.* (*Pheidole*)); Emery, 1922e: 110, 111, 112, 112, 112, 113, 114, 115, 115, 116 (*P.* (*Elasmopheidole*), *P.* (*Trachypheidole*), *P.* (*Scropopheidole*), *P.* (*Decapheidole*), *P.* (*Ceratopheidole*), *Ischnomyrmex*, *Epipheidole*, *Sympheidole*, *Parapheidole*, *Anergatides*); Wheeler, W.M. 1922a: 806, 879 (Afrotropical *Pheidole*, *Anergatides*); Wheeler, W.M. 1922a: 1017, 1021 (Malagasy *Pheidole*, *Parapheidole*); Chapman & Capco, 1951: 135, 137 (Asia *Ceratopheidole*, *Conothorax*, *Ischnomyrmex*, *Pheidole*); Smith, M.R. 1951a: 799, 806, 807 (North America *Pheidole*, *Epipheidole*, *Sympheidole*); Ettershank, 1966: 129 (*Anisopheidole*); Kempf, 1972a: 183 (Neotropical); Smith, D.R. 1979: 1365 (North America); Taylor & Brown, 1985: 54, 65, 74 (Australia *Anisopheidole*, *Machomyrma*, *Pheidole*); Taylor, 1987a: 7, 53 (Australia, New Caledonia & New Zealand *Anisopheidole*, *Pheidole*); Brandão, 1991: 368 (Neotropical); Bolton, 1995b: 63, 248, 316 (*Anisopheidole*, *Machomyrma*, *Pheidole*); Fisher & Bolton, 2016: 366 (Afrotropical, Malagasy checklist).

***Pheidole* references:** Smith, F. 1858b: 172 (diagnosis); Mayr, 1861: 69, 70 (diagnosis, Europe species key); Mayr, 1865: 18, 22 (*Ischnomyrmex*, *Pheidole* diagnoses); Mayr, 1867a: 92, 96 (*Ischnomyrmex*, *Pheidole* diagnoses); Mayr, 1870b: 977, 979 (Australia & New World species keys); Mayr, 1876: 102 (Australia species key); André, 1883b: 382 (Europe & Algeria species key); Mayr, 1879: 674 (Asia species key); Mayr, 1887: 582 (New World species key); Nasonov, 1889: 75 (Russia species key); Emery, 1895c: 288 (North America species key); Mayr, 1896: 241 (Africa species, partial key); Emery, 1896g: 80 (*P. flavens* group, key); Forel, 1902c: 165 (India species key); Forel, 1902f: 523 (India & Sri Lanka species key); Bingham, 1903: 223 (India, Sri Lanka & Burma species key); Wheeler, W.M. 1908a: 133 (Puerto Rico species key); Emery, 1916b: 149 (Italy species key); Arnold, 1920a: 414 (diagnosis, South Africa species key); Mann, 1921: 442 (Fiji Is species key); Emery, 1921f: 76, 78, 80, 81, 81, 83, 83, 84 (*Machomyrma*, *Pheidole* diagnosis, subgenera key, *P.* (*Macropheidole*), *P.* (*Pheidolacanthinus*), *P.* (*Stegopheidole*), *P.* (*Anisopheidole*), *P.* (*Pheidole*) diagnoses); Emery, 1922e: 110, 111, 112, 112, 112, 113, 114, 115, 115, 116 (*P.* (*Elasmopheidole*), *P.* (*Trachypheidole*), *P.* (*Scropopheidole*), *P.* (*Decapheidole*), *P.* (*Ceratopheidole*), *Ischnomyrmex*, *Epipheidole*, *Sympheidole*, *Parapheidole*, *Anergatides* diagnoses); Wheeler, W.M. 1922a: 126, 672 (diagnosis, subgenera key); Gallardo, 1932c: 179 (Argentina *Elasmopheidole* species key); Finzi, 1936: 165 (Egypt species key); Menozzi, 1939a: 298 (Himalaya species key); Cole, 1942: 362 (U.S.A., Utah species key); Buren, 1944a: 285 (U.S.A., Iowa species key); Creighton, 1950a: 163 (*Pheidole* **Nearctic species key**: 163; *Epipheidole* Nearctic species: 192; *Sympheidole* Nearctic species: 194); Kusnezov, 1952b: 61 (Argentina species key); Smith, M.R. 1955c: 302 (*P.* (*Hendecapheidole*) species key); Gregg, 1959: 9 (U.S.A. species key); Gregg, 1963: 407 (U.S.A., Colorado species key); Wheeler, G.C. & Wheeler, J. 1963: 126 (U.S.A., North Dakota species key); Ettershank, 1966: 129 (*Anisopheidole* diagnosis, review of genus); Bernard, 1967: 149 (diagnosis, Western Europe species key); Gregg, 1969: 95 (addition to Gregg, 1959 U.S.A. key); Alayo, 1974: 11 (Cuba species key); Allred, 1982: 441 (U.S.A., Utah species key); Ogata, 1982: 191 (Japan species key); Collingwood, 1985: 253 (Saudi Arabia species key); Naves, 1985: 54 (U.S.A., Florida species key); Wheeler, G.C. & Wheeler, J. 1986g: 41 (U.S.A., Nevada species key); Agosti & Collingwood, 1987b: 271 (Balkans species key); Hölldobler & Wilson, 1990: 15 (synoptic classification); Kupyanskaya, 1990: 123 (Far

Eastern Russia species key); Ogata, 1991b: 88 (diagnosis, Japan); Morisita, *et al.* 1992: 22 (Japan species key); Kupyanskaya, 1995: 345 (Far Eastern Russia species key); Bolton, 1995a: 1051 (census); Wu, J. & Wang, 1995: 99 (China species key); Collingwood & Agosti, 1996: 322 (Saudi Arabia species key); Park & Kim, 2000: 109 (Korea species key); Shattuck, 1999: 125, 139, 152 (Australia *Anisopheidole*, *Machomyrma*, *Pheidole*, synopsis); Eguchi, 1999: 103 (Borneo *P. longipes* group, key); Ward, 2000: 96 (U.S.A. *P. hyatti* complex, key); Zhou, 2001b: 121 (China, Guangxi species key); Eguchi, 2001b: 10 (Borneo species key); Mackay & Mackay, 2002: 149 (U.S.A., New Mexico species key); Wilson, 2003: 27 (**New World, all species revision, key**); Moreau, 2008: 224 (phylogeny of genus); Eguchi, 2008: 8 (North Vietnam species key); Sarnat, 2008: 8 (Fiji Is *P. roosevelti* group, key); Terayama, 2009: 171 (Taiwan species key); Heterick, 2009: 169 (south-western Australia species key); Eguchi, *et al.* 2011: 23 (diagnosis, Vietnam synopsis); Sarnat & Moreau, 2011: 114 (*P. roosevelti* group phylogeny and radiation); Fischer, *et al.* 2012: 9 (Afrotropical *P. pulchella* group key); Sarnat & Economo, 2012: 93 (Fiji Is species key); Fischer & Fisher, 2013: 308 (SW Indian Ocean islands species key); Sarnat, *et al.* 2015: 13 (introduced species key); Baccaro, *et al.* 2015: 252 (genus in Brazil); Fischer, *et al.* 2016: 13 (*P. knowlesi* group key); Sarnat, *et al.* 2016: 11 (*P. cervicornis* group key); Fisher & Bolton, 2016: 364 (diagnosis); Fernández & Serna, 2019: 868 (Colombia fauna); Serna, Suárez & Pérez, 2019: 919 (Colombia species, diagrammatic identifications).

PHEIDOLOGETON [junior synonym of *Carebara*]

Pheidologeton Mayr, 1862: 750. Type-species: *Oecodoma diversa* Jerdon, 1851: 109, by subsequent designation of Bingham, 1903: 160.

Taxonomic history

Pheidologeton in Myrmicidae, Pheidolidae: Emery, 1877a: 81.

Pheidologeton in Myrmicinae: Mayr, 1865: 22 [Myrmicidae]; Dalla Torre, 1893: 72 [Myrmicinae].

Pheidologeton in Myrmicinae, *Pheidologeton* genus group: Ettershank, 1966: 81; Bolton, 1987: 265.

Pheidologeton in Myrmicinae, Pheidologetini: Emery, 1913c: 586 (footnote); Emery, 1914a: 41; Forel, 1917: 243; Emery, 1924d: 211 [subtribe Pheidologeteni]; Dlussky & Fedoseeva, 1988: 80; Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106 [Pheidologetonini]; Bolton, 1995b: 42.

Pheidologeton in Myrmicinae, Solenopsidini: Forel, 1893a: 164; Emery, 1895j: 770; Emery, 1896e: 182; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 140; Wheeler, W.M. 1922a: 663; Bolton, 2003: 61, 217.

Pheidologeton as genus: Mayr, 1863: 442; Roger, 1863b: 30; Mayr, 1865: 22; Emery, 1877a: 81; Dalla Torre, 1893: 72; Forel, 1893a: 164; Emery, 1895j: 770; Emery, 1896e: 182; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 140; Emery, 1914a: 41; Forel, 1917: 243; Wheeler, W.M. 1922a: 663; Emery, 1924d: 211; Donisthorpe, 1943f: 683; Ettershank, 1966: 81; Bolton, 1973a: 353; Bolton, 1987: 265; Dlussky & Fedoseeva, 1988: 80; Hölldobler & Wilson, 1990: 15; Bolton, 1994: 106; Bolton, 1995b: 42; Bolton, 2003: 61, 217; Eguchi, *et al.* 2011: 24.

Pheidologeton as junior synonym of *Carebara*: Fischer, *et al.* 2014: 63.

[*PHIDOLOGETON*: incorrect subsequent spelling by Bingham, 1903: 160; unjustified emendation of spelling by Schulz, W.A. 1906: 155.]

PHIDOLA: unjustified emendation of *Pheidole*.

PHIDOLACANTHINUS: unjustified emendation of *Pheidolacanthinus*.

PHIDOLE: incorrect subsequent spelling of *Pheidole*.

PHIDOLOGETON: incorrect subsequent spelling and unjustified emendation of *Pheidologeton*.

PHILIDRIS [Dolichoderinae: Leptomyrmecini]

Philidris Shattuck, 1992a: 17. Type-species: *Formica cordata* Smith, F. 1859a: 137, by original designation.

Taxonomic history

Philidris in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 140; Shattuck, 1994: 135; Bolton, 1994: 26; Bolton, 1995b: 42; Bolton, 2003: 90.

Philidris in Dolichoderinae, Iridomyrmecini, Iridomyrmecina: Dubovikoff, 2005a: 92.

Philidris in Dolichoderinae, Leptomyrmecini: Ward, *et al.* 2010: 362.

Philidris as genus: all authors.

***Philidris* catalogues**: Shattuck, 1994: 135; Bolton, 1995b: 334.

***Philidris* references**: Shattuck, 1992c: 140 (diagnosis, review of genus); Shattuck, 1999: 80 (Australia synopsis).

PHRYNOPONERA [Ponerinae: Ponerini]

Phrynoponera Wheeler, W.M. 1920: 53. Type-species: *Bothroponera gabonensis* André, 1892a: 50, by original designation.

Taxonomic history

Phrynoponera in Ponerinae, Ponerini: Wheeler, W.M. 1922a: 648; subsequent authors; Bolton, 1995b: 42; Bolton, 2003: 44, 169; Bolton & Fisher, 2008b: 35; in Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 127.

Phrynoponera as junior synonym of *Pachycondyla*: Brown, 1973b: 183 [provisional]; Snelling, R.R. 1981: 389.

Phrynoponera as genus: Wheeler, W.M. 1920: 53; Wheeler, W.M. 1922a: 75; Bolton, 1973a: 338; Hölldobler & Wilson, 1990: 11; Bolton, 1994: 165; Bolton, 1995b: 42; Bolton, 2003: 44, 169; Bolton & Fisher, 2008b: 37; Schmidt, C.A. & Shattuck, 2014: 127.

***Phrynoponera* catalogues**: Wheeler, W.M. 1922a: 773; Bolton, 1995b: 334; Schmidt, C.A. & Shattuck, 2014: 129 (species checklist); Fisher & Bolton, 2016: 370 (checklist).

***Phrynoponera* references**: Wheeler, W.M. 1922a: 75 (diagnosis, all species key); Bolton & Fisher, 2008b: 37, 41 (diagnosis, **all species revision, key**); Schmidt, C.A. & Shattuck, 2014: 127 (diagnosis, synopsis); Fisher & Bolton, 2016: 370 (diagnosis).

PHYRACACES [junior synonym of *Lioponera*]

Phyracaces Emery, 1902c: 23. Type-species: *Cerapachys mayri* Forel, 1892l: 244, by original designation.

Taxonomic history

Phyracaces in Ponerinae, Cerapachyini: Ashmead, 1905b: 382; Wheeler, W.M. 1910g: 137; Emery, 1911d: 10; Arnold, 1915: 17; Forel, 1917: 239.

Phyracaces in Cerapachyinae, Cerapachyini: Wheeler, W.M. 1902d: 185; Wheeler, W.M. 1922a: 639; Donisthorpe, 1943f: 683.

Phyracaces as subgenus of *Cerapachys*: Forel, 1907a: 10 (in text).

Phyracaces as genus: Ashmead, 1905b: 382; Emery, 1911d: 10; Wheeler, W.M. 1922a: 639, 1005; Donisthorpe, 1943f: 683; Chapman & Capco, 1951: 22; Bolton, 1973a: 340; Wheeler, G.C. & Wheeler, J. 1985: 256.

Phyracaces as junior synonym of *Cerapachys*: Brown, 1973b: 183 [provisional]; Brown, 1975: 19; Ogata, 1987: 129; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 25; Bolton, 2003: 140.

Phyracaces as junior synonym of *Lioponera*: Borowiec, M.L. 2016: 156.

PHYSATTA [junior synonym of *Myrmicaria*]

Physatta Smith, F. 1857a: 77. Type-species: *Physatta dromedarius* Smith, F. 1857a: 78 (junior synonym of *Heptacondylus carinatus* Smith, F. 1857a: 73), by monotypy.

Taxonomic history

Physatta in Formicidae, Myrmicidae: Smith, F. 1857a: 77.

Physatta in Attidae: Smith, F. 1858b: 171.

Physatta as genus: Smith, F. 1858b: 171.

Physatta as junior synonym of *Heptacondylus*: Mayr, 1862: 755 (in text); Mayr, 1863: 442; Roger, 1863b: 27; Mayr, 1865: 110.

Physatta 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; Bingham, 1903: 117; Emery 1922e: 121; subsequent authors; Bolton, 1973a: 349; Bolton, 1995b: 42; Bolton, 2003: 243.

[Note: Smith, F. 1858b: 140, states, "...the genus *Physatta*,...may prove to be the other sex of *Myrmicaria*." Later in the same publication Smith, F. 1858b: 171, notes that *Physatta* and *Heptacondylus* both have seven antennomeres.]

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

Physocrema Forel, 1912f: 220 [as subgenus of *Crematogaster*]. Type-species: *Crematogaster inflata* Smith, F. 1857a: 76, by subsequent designation of Wheeler, W.M. 1913a: 82.

Taxonomic history

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

Physocrema as junior synonym of *Crematogaster*: Brown, 1973b: 183 [provisional]; Smith, D.R. 1979: 1376; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 125; Tang, J., Li, *et al.* 1995: 64.

Physocrema as subgenus of *Crematogaster*: Forel, 1912f: 220; Forel, 1917: 242; Emery, 1922e: 139; Wheeler, W.M. 1922a: 662; subsequent authors; Bolton, 1995b: 42; Bolton, 2003: 239.

Physocrema as junior synonym of *C. (Crematogaster)*: Blaimer, 2012c: 53.

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

PILOTROCHUS [Myrmicinae: Attini]

Pilotrochus Brown, 1978a: 218. Type-species: *Pilotrochus besmerus* Brown, 1978a: 221, by original designation.

Taxonomic history

Pilotrochus incertae sedis in Myrmicinae: Brown, 1978a: 218.

Pilotrochus in Myrmicinae, *Phalacromyrmex* genus group: Bolton, 1984: 381.

Pilotrochus incertae sedis in Formicidae: Wheeler, G.C. & Wheeler, J. 1985: 259.
Pilotrochus in Myrmicinae, Dacetini: Baroni Urbani & De Andrade, 1994: 31; Baroni Urbani & De Andrade, 2007: 100.
Pilotrochus in Myrmicinae, Phalacromyrmecini: Dlussky & Fedoseeva, 1988: 80; Bolton, 1994: 106; Bolton, 1995b: 42; Bolton, 1998: 67; Bolton, 2003: 55, 193.
Pilotrochus in Myrmicinae, Attini: Ward, *et al.* 2015: 77.
Pilotrochus as genus: all authors.
***Pilotrochus* catalogues:** Bolton, 1995b: 334; Fisher & Bolton, 2016: 372 (checklist).
***Pilotrochus* references:** Bolton, 1984: 380 (review of genus); Fisher & Bolton, 2016: 372 (diagnosis).

***PITYOMYRMEX** [Aneuretinae: *Pityomyrmecini]

***Pityomyrmex** Wheeler, W.M. 1915h: 98. Type-species: **Pityomyrmex tornquisti* Wheeler, W.M. 1915h: 99, by monotypy.

Taxonomic history

***Pityomyrmex** in Dolichoderinae, *Pityomyrmecini: Wheeler, W.M. 1915h: 98; Dlussky & Fedoseeva, 1988: 78.

***Pityomyrmex** in Formicinae, *Pityomyrmecini: Donisthorpe, 1943f: 684.

***Pityomyrmex** in Dolichoderinae, Dolichoderini: Shattuck, 1994: 139; Bolton, 1994: 26; Bolton, 1995b: 42; Bolton, 2003: 19, 90.

***Pityomyrmex** in Aneuretinae: Dlussky & Rasnitsyn, 2009: 1036.

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

***Pityomyrmex** as genus: all authors.

[***PYTHIOMYRMEX**: incorrect subsequent spelling by Dlussky, 1997: 53, 58.]

***Pityomyrmex catalogues:** Shattuck, 1994: 139; Bolton, 1995b: 334.

***Pityomyrmex references:** Dlussky, 1997: 53 (in Baltic amber genera key).

PLAGIOLEPIS [Formicinae: Plagiolepidini]

Plagiolepis Mayr, 1861: 42. Type-species: *Formica pygmaea* Latreille, 1798: 45, by monotypy.

Taxonomic history

Plagiolepis in Formicinae: Mayr, 1861: 42 [Formicinae]; Mayr, 1862: 652 [Formicidae]; Mayr, 1865: 7 [Formicidae]; Mayr, 1868b: 36 [Formicidae]; Forel, 1874: 45 [Formicidae].

Plagiolepis in Camponotinae: Forel, 1878: 378 [Camponotidae]; Emery & Forel, 1879: 453 [Camponotidae]; Dalla Torre, 1893: 172 [Camponotinae]; Emery, 1896: 188 [Camponotinae].

Plagiolepis in Camponotinae, Plagiolepidini: Forel, 1886f: 212; Forel, 1893a: 165; Emery, 1895j: 771; Wheeler, W.M. 1910g: 143; Forel, 1912i: 88; Wheeler, W.M. 1915h: 100; Emery, 1916b: 219; Forel, 1917: 249; Arnold, 1920a: 578.

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

Plagiolepis in Formicinae, Plagiolepidini: Ashmead, 1905b: 384; Bondroit, 1918: 18; Wheeler, W.M. 1922a: 696; Emery, 1925b: 19; Santschi, 1926a: 14; subsequent authors; Kempf, 1972a: 205; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 42; Bolton, 2003: 23, 105; Ward, Blaimer & Fisher, 2016: 348.

Plagiolepis as genus: all authors.

Plagiolepis as senior synonym of *Anacantholepis*: Brown, 1973b: 178 [provisional]; Smith, D.R. 1979: 1422; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 42; Bolton, 2003: 105, 268.

Plagiolepis as senior synonym of *Aporomyrmex*: Brown, 1973b: 178 [provisional]; Smith, D.R. 1979: 1422; Hölldobler & Wilson, 1990: 18; Bolton, 1994: 51; Bolton, 1995b: 42; Bolton, 2003: 105.

Plagiolepis as senior synonym of *Paraplagiolepis*: Brown, 1973b: 183 [provisional]; Smith, D.R. 1979: 1422; Hölldobler & Wilson, 1990: 18; Bolton, 1994: 51; Bolton, 1995b: 42; Bolton, 2003: 105.

Plagiolepis as senior synonym of **Rhopalomyrmex*: Dlussky, 1997: 624; Bolton, 2003: 105.

[**PLAGROLEPIS**: incorrect subsequent spelling by Ashmead, 1905b: 384.]

Plagiolepis catalogues: Mayr, 1863: 442; Roger, 1863b: 11; Emery & Forel, 1879: 453 (Europe); Dalla Torre, 1893: 172, 175 (*Plagiolepis*, **Rhopalomyrmex*); Wheeler, W.M. 1922a: 928, 930, 1035 (Afrotropical *P. (Plagiolepis)*, *P. (Anacantholepis)*, Malagasy); Emery, 1925b: 19, 22 (*P. (Plagiolepis)*, *P. (Anacantholepis)*); Chapman & Capco, 1951: 212, 213 (Asia *Anacantholepis*, *Plagiolepis*); Kempf, 1972a: 205 (Neotropical); Smith, D.R. 1979: 1422 (North America); Taylor & Brown, 1985: 130 (Australia); Taylor, 1987a: 55 (Australia, New Caledonia); Bolton, 1995b: 334; Fisher & Bolton, 2016: 374 (Afrotropical, Malagasy checklist).

Plagiolepis references: Mayr, 1865: 7 (diagnosis); Mayr, 1867a: 73 (diagnosis); Forel, 1878: 376, 378 (**Rhopalomyrmex*, *Plagiolepis* diagnoses); André, 1882b: 208 (Europe & Algeria species key); Forel, 1894c: 414 (India & Sri Lanka species key); Bingham, 1903: 320 (India, Sri Lanka & Burma species key); Arnold, 1920a: 578 (diagnosis, subgenera key); Arnold, 1922: 579 (South Africa species key); Wheeler, W.M. 1922a: 211, 696 (diagnosis, subgenera key); Emery, 1925b: 19, 22 (*P. (Plagiolepis)*, *P. (Anacantholepis)* diagnoses); Stitz, 1939: 231 (Germany species key); Kratochvíl, 1941: 98 (Central Europe species key); Novák & Sadil, 1941: 98 (Central Europe species key); Bernard, 1967: 272 (diagnosis, Western Europe species key); Kutter, 1977c: 185 (Switzerland species key); Collingwood, 1978: 89 (Iberian Peninsula species key); Gösswald, 1985: 264 (Germany species key); Collingwood, 1985: 297 (Saudi Arabia species key); Agosti & Collingwood, 1987b: 280 (Balkans species key); Radchenko, 1989b: 153 (European former U.S.S.R. species key); Dlussky, *et al.* 1990: 161 (Turkmenistan species key); Morisita, *et al.* 1991: 16 (Japan species key); Atanasov & Dlussky, 1992: 201 (Bulgaria species key); Arakelian, 1994: 78 (Armenia species key); Bolton, 1995a: 1052 (census); Wu, J. & Wang, 1995: 130 (China species key); Radchenko, 1996a: 178 (Central & Southern Palaearctic species key); Collingwood & Agosti, 1996: 362 (Saudi Arabia species key); Seifert, 1996b: 178 (Central Europe species key); Dlussky, 1997: 53 (in Baltic amber genera key); Collingwood & Prince, 1998: 22 (Portugal species key); Shattuck, 1999: 106 (Australia synopsis); Seifert, 2007: 158 (North and Central Europe species key); Terayama, 2009: 213 (Taiwan species key); Heterick, 2009: 106 (south-western Australia species key); Dlussky, 2010: 72 (Eocene European amber species key); Sharaf, Aldawood & Taylor, 2011: 208 (Arabian Peninsula species key); Fisher & Bolton, 2016: 373 (diagnosis); Radchenko, 2016: 341 (Ukraine species key); Salata, Borowiec & Radchenko, 2018: 819 (north-eastern Mediterranean species key).

PLANIMYRMA [junior synonym of *Aphaenogaster*]

Planimyрма Viehmeyer, 1914d: 604 [as subgenus of *Aphaenogaster*]. Type-species: *Stenammas (Ischnomyrmex) lorai* Emery, 1897d: 563, by original designation.

Taxonomic history

Planimyрма as subgenus of *Aphaenogaster*: Viehmeyer, 1914d: 604; Emery, 1915d: 72; Forel, 1917: 241; Emery, 1921f: 65; Wheeler, W.M. 1922a: 680; Santschi, 1932b: 13; Donisthorpe, 1943f: 684.

Planimyрма as junior synonym of *Aphaenogaster*: Brown, 1973b: 184 [provisional]; Smith, D.R. 1979: 1359; Bolton, 1982: 364; Hölldobler & Wilson, 1990: 12; Ogata, 1991b: 83; Bolton, 1995b: 42; Tang, J., Li, *et al.* 1995: 49; Bolton, 2003: 229.

PLATYSTRUMA [junior synonym of *Strumigenys*]

Platystruma Brown, 1953g: 112 [as subgenus of *Smithistruma*]. Type-species: *Strumigenys* (*Cephaloxys*) *depressiceps* Weber, 1934a: 47, by original designation.

Taxonomic history

Platystruma in Myrmicinae, Dacetini: Brown, 1953g: 112.

Platystruma as subgenus of *Smithistruma*: Kempf, 1972a: 232.

Platystruma as junior synonym of *Smithistruma*: Brown, 1973a: 35 (in text); Smith, D.R. 1979: 1405; Bolton, 1983: 274; Hölldobler & Wilson, 1990: 15; Brandão, 1991: 378; Ogata, 1991b: 132; Bolton, 1995b: 43.

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

Platystruma as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 2007: 103.

PLATYTHYREA [Ponerinae: Platythyreini]

Platythyrea Roger, 1863a: 172. Type-species: *Pachycondyla punctata* Smith, F. 1858b: 108, by subsequent designation of Bingham, 1903: 73.

[Note: the same type-species was unnecessarily proposed by Emery, 1911d: 29.]

Taxonomic history

Platythyrea in Ponerinae: Mayr, 1865: 14 [Poneridae]; Dalla Torre, 1893: 27 [Ponerinae]; Emery, 1896e: 177 [Ponerinae].

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

Platythyrea in Ponerinae, Ponerini: Forel, 1899c: 3; Forel, 1900d: 314; Wheeler, W.M. 1910g: 135.

Platythyrea in Pachycondyliinae, Ectatommini: Ashmead, 1905b: 382.

Platythyrea in Ponerinae, Platythyreini: Emery, 1911d: 28; Wheeler, W.M. 1915h: 36; Arnold, 1915: 22; Forel, 1917: 237; Wheeler, W.M. 1922a: 641; subsequent authors; Bolton, 1995b: 43; Bolton, 2003: 45, 172; Schmidt, C.A. & Shattuck, 2014: 48; subsequent authors.

Platythyrea as genus: all authors.

Platythyrea senior synonym of *Eubothroponera*: Brown, 1975: 6; Taylor & Brown, 1985: 37; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 43; Bolton, 2003: 172; Schmidt, C.A. & Shattuck, 2014: 48.

[**PLATYSTHYREA**: incorrect subsequent spelling by Viana & Haedo Rossi, 1957: 109.]

Platythyrea catalogues: Mayr, 1863: 442; Roger, 1863b: 17; Dalla Torre, 1893: 27; Emery, 1911d: 28; Wheeler, W.M. 1922a: 758, 1007 (Afrotropical & Malagasy catalogues); Chapman & Capco, 1951: 47 (Asia); Smith, M.R. 1951a: 783 (North America); Kempf, 1972a: 206 (Neotropical); Smith, D.R. 1979: 1336 (North America); Taylor & Brown, 1985: 37 (Australia); Taylor, 1987a: 56 (Australia); Brandão, 1991: 371 (Neotropical); Bolton, 1995b: 336; Schmidt, C.A. & Shattuck, 2014: 51 (species checklist); Fisher & Bolton, 2016: 376 (Afrotropical, Malagasy checklist).

Platythyrea references: Mayr, 1865: 14 (diagnosis); Forel, 1900d: 314 (India & Sri Lanka species key); Bingham, 1903: 74 (India, Sri Lanka & Burma species key); Emery, 1911d: 28 (diagnosis); Arnold, 1915: 22 (diagnosis, South Africa species key); Mann, 1916: 403

(Neotropical species key); Wheeler, W.M. 1922a: 57 (diagnosis); Clark, 1930c: 9 (*Eubothroponera* species key); Brown, 1952k: 1 (diagnosis, genera); Wilson, 1958a: 150 (Melanesia & Moluccas species revision, key); Bolton, 1973a: 331 (diagnosis); Brown, 1975: 6 (diagnosis, **all species revision**; **Africa species key**: 9; **Madagascar species key**: 10; **Indo-Australia species key**: 10; **New World species key**: 10); Wheeler, G.C. & Wheeler, J. 1976b: 48 (larvae, review & synthesis); Dlussky & Fedoseeva, 1988: 79 (synoptic classification); Hölldobler & Wilson, 1990: 10 (synoptic classification); Bolton, 1994: 164 (synoptic classification); Bolton, 1995a: 1052 (census); Dlussky, 1997: 51 (in Baltic amber genera key); Shattuck, 1999: 198 (Australia synopsis); Bolton, 2003: 44, 171 (diagnosis, synopsis); Fernández, 2008: 207 (**Neotropical species key**); Heterick, 2009: 136 (south-western Australia species key); Eguchi, *et al.* 2014: 39 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 48, (diagnosis, synopsis); Baccaro, *et al.* 2015: 312 (genus in Brazil); Fisher & Bolton, 2016: 376 (diagnosis); Fernández & Guerrero, 2019: 512 (Colombia species key).

PLECTROCTENA [Ponerinae: Ponerini]

Plectroctena Smith, F. 1858b: 101. Type-species: *Plectroctena mandibularis* Smith, F. 1858b: 101, by monotypy.

Taxonomic history

Plectroctena in Poneridae: Smith, F. 1858b: 101.

Plectroctena in Ponerinae: Mayr, 1862: 713 [Poneridae]; Mayr, 1865: 12 [Poneridae]; Dalla Torre, 1893: 31 [Ponerinae]; Emery, 1896e: 178 [Ponerinae].

Plectroctena in Pachycondyliinae, Pachycondyliini: Ashmead, 1905b: 382.

Plectroctena in Ponerinae, Ponerini: Emery, 1895j: 767; Wheeler, W.M. 1910g: 135; Emery, 1911d: 94 [subtribe Plectroctenini]; Arnold, 1915: 84; Forel, 1917: 238 [subtribe Plectroctenini]; Wheeler, W.M. 1922a: 650; subsequent authors; Bolton, 1995b: 43; Bolton, 2003: 44, 169; in Ponerini, *Plectroctena* genus group: Bolton & Brown, 2002: 2; Schmidt, C.A. & Shattuck, 2014: 174.

Plectroctena as genus: all authors.

Plectroctena as senior synonym of *Cacopone*: Bolton, 1974c: 313; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 43; Bolton, 2003: 169; Schmidt, C.A. & Shattuck, 2014: 174.

***Plectroctena* catalogues**: Mayr, 1863: 442; Roger, 1863b: 19; Dalla Torre, 1893: 31; Emery, 1911d: 94; Wheeler, W.M. 1922a: 783, 785, 786 (*Plectroctena*, *Myopias*, *Cacopone*); Bolton, 1995b: 337; Schmidt, C.A. & Shattuck, 2014: 177 (species checklist); Fisher & Bolton, 2016: 379 (checklist).

***Plectroctena* references**: Mayr, 1865: 12 (diagnosis); Emery, 1911d: 94 (diagnosis); Arnold, 1915: 84 (diagnosis, South Africa species); Wheeler, W.M. 1922a: 85 (diagnosis); Santschi, 1924a: 172 (all species revision, key); Bolton, 1973a: 339 (diagnosis); Bolton, 1974c: 309 (diagnosis, **all species revision, key**); Bolton, 1994: 164 (synoptic classification); Bolton & Brown, 2002: 11 (**all species key**); Bolton, 2003: 169 (synopsis); Schmidt, C.A. & Shattuck, 2014: 174 (diagnosis, synopsis); Fisher & Bolton, 2016: 377 (diagnosis).

****Plesiomyrmex*** [Myrmicinae: Myrmicini]

****Plesiomyrmex*** Dlussky & Radchenko, 2009: 437. Type-species: **Plesiomyrmex tubulatus* Dlussky & Radchenko, 2009: 439, by original designation.

Taxonomic history

**Plesiomyrmex* in Myrmicinae, Myrmicini: Dlussky & Radchenko, 2009: 439; Ward, *et al.* 2015: 76.

PODOMYRMA [Myrmicinae: Crematogastrini]

Podomyrma Smith, F. 1859a: 145. Type-species: *Podomyrma femorata* Smith, F. 1859a: 145, by subsequent designation of Wheeler, W.M. 1911f: 170.

Taxonomic history

Podomyrma in Myrmicidae: Smith, F. 1871a: 327.

Podomyrma in Myrmicidae, Myrmicidae: Emery, 1877a: 81.

Podomyrma in Myrmicinae: Mayr, 1865: 24 [Myrmicidae]; Dalla Torre, 1893: 59 [Myrmicinae]; Emery, 1896e: 184 [Myrmicinae].

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

Podomyrma in Myrmicinae, Myrmecini: Ashmead, 1905b: 383; Emery, 1912b: 105; Emery, 1914a: 41; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 236 [subtribe Podomyrmini].

Podomyrma in Myrmicinae, Podomyrmini: Dlussky & Fedoseeva, 1988: 79.

Podomyrma in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 43; Bolton, 2003: 70, 251.

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

Podomyrma as genus: all authors.

Podomyrma as senior synonym of **Acrostigma*: Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 19; Bolton, 1995b: 43; Bolton, 2003: 251.

Podomyrma as senior synonym of *Dacryon*: Brown, 1973b: 179 [provisional]; Taylor & Brown, 1985: 80; Taylor, 1987a: 57; Hölldobler & Wilson, 1990: 15; Bolton, 1994: 105; Bolton, 1995b: 43; Shattuck, 1999: 157; Bolton, 2003: 251.

Podomyrma as senior synonym of *Pseudopodomyrma*: Brown, 1973b: 184 [provisional]; Taylor & Brown, 1985: 80; Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 43; Bolton, 2003: 251.

***Podomyrma* catalogues:** Mayr, 1863: 443; Roger, 1863b: 27; Dalla Torre, 1893: 59; Emery, 1924d: 235, 236 (*Dacryon*, *Podomyrma*); Chapman & Capco, 1951: 119 (Asia); Taylor & Brown, 1985: 80 (Australia); Taylor, 1987a: 57 (Australia); Bolton, 1995b: 338.

***Podomyrma* references:** Mayr, 1865: 24 (diagnosis); Mayr, 1867a: 107 (diagnosis); Mayr, 1876: 109 (Australia species key); Viehmeyer, 1914c: 521 (Papua species key); Emery, 1924d: 235, 236 (*Dacryon*, *Podomyrma* diagnoses); Bolton, 1995a: 1052 (census); Taylor, 1999: 173 (Australia species nomenclature); Shattuck, 1999: 157 (Australia synopsis); Heterick, 2009: 173 (south-western Australia species key).

POECILOMYRMA [Myrmicinae: Crematogastrini]

Poecilomyrma Mann, 1921: 445. Type-species: *Poecilomyrma senirewae* Mann, 1921: 446, by original designation.

Taxonomic history

Poecilomyrma in Myrmicinae, Myrmecini: Donisthorpe, 1943f: 684.

Poecilomyrma in Myrmicinae, in Podomyrmini: Dlussky & Fedoseeva, 1988: 79.

Poecilomyrma in Myrmicinae, in Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 43; Bolton, 2003: 70, 251.

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

Poecilomyrma as subgenus of *Leptothorax*: Wheeler, W.M. 1922a: 679 (footnote).

Poecilomyrma as genus: Mann, 1921: 445; Hölldobler & Wilson, 1990: 15; Bolton, 1994: 89; Bolton, 1995b: 43, 339; Bolton, 2003: 70, 251.

***Poecilomyrma* references:** Sarnat & Economo, 2012: 111 (**all species key**).

POGONOMYRMEX [Myrmicinae: Pogonomyrmecini]

Pogonomyrmex Mayr, 1868a: 169. Type-species: *Formica badia* Latreille, 1802c: 238, by subsequent designation of Wheeler, W.M. 1911f: 170.

Taxonomic history

Pogonomyrmex in Myrmicidae, Myrmicidae: Emery, 1877a: 81.

Pogonomyrmex in Myrmicidae: Cresson, 1887: 260.

Pogonomyrmex in Myrmicinae: Dalla Torre, 1893: 118 [Myrmicinae]; Emery, 1896e: 185 [Myrmicinae].

Pogonomyrmex in Myrmicinae, Myrmicini: Forel, 1895b: 125; Emery, 1895j: 769; Forel, 1899c: 61; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 140; Emery, 1914a: 40; Forel, 1917: 240; Emery, 1921f: 44; Wheeler, W.M. 1922a: 660; subsequent authors; Brandão, 1991: 372; Bolton, 1995b: 43; Bolton, 2003: 62, 223.

Pogonomyrmex in Myrmicinae, Pogonomyrmecini: Ward, *et al.* 2015: 76.

Pogonomyrmex as genus: all authors.

Pogonomyrmex as senior synonym of *Ephebomyrmex*: Lattke, 1991a: 305; Bolton, 1994: 106; Bolton, 1995b: 43; Fernández & Palacio, 1998: 1649; Bolton, 2003: 223.

Pogonomyrmex as senior synonym of *Forelomyrmex*: Brown, 1973b: 180 [provisional]; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Lattke, 1991a: 305; Bolton, 1994: 106; Bolton, 1995b: 43; Fernández & Palacio, 1998: 1649; Bolton, 2003: 223.

Pogonomyrmex as senior synonym of *Janetia* Forel: Hölldobler & Wilson, 1990: 15; Lattke, 1991a: 305; Bolton, 1994: 106; Bolton, 1995b: 43; Fernández & Palacio, 1998: 1649; Bolton, 2003: 223.

***Pogonomyrmex* catalogues:** Cresson, 1887: 260 (U.S.A.); Dalla Torre, 1893: 118; Emery, 1921f: 44, 48, 48 (*Pogonomyrmex*, *P. (Ephebomyrmex)*, *P. (Forelomyrmex)*); Smith, M.R. 1951a: 791, 794 (North America *Pogonomyrmex*, *Ephebomyrmex*); Kempf, 1972a: 106, 206 (Neotropical *Ephebomyrmex*, *Pogonomyrmex*); Smith, D.R. 1979: 1353 (North America); Brandão, 1991: 342, 372 (Neotropical *Ephebomyrmex*, *Pogonomyrmex*); Bolton, 1995b: 339.

***Pogonomyrmex* references:** Mayr, 1870b: 970 (all species key); Mayr, 1887: 608 (all species key); Wheeler, W.M. 1902a: 97 (North America species key); Emery, 1921f: 44, 48, 48 (*Pogonomyrmex*, *P. (Ephebomyrmex)*, *P. (Forelomyrmex)* diagnoses); Gallardo, 1932b: 95 (Argentina species key); Cole, 1942: 364 (U.S.A., Utah species key); Kusnezov, 1949c: 301 (Argentina *P. (Ephebomyrmex)* species key); Creighton, 1950a: 113 (**Nearctic species key**); Kusnezov, 1951a: 254 (Argentina species key); Kusnezov, 1954c: 85 (Bolivia species key); Creighton, 1957a: 54 (North America *Ephebomyrmex*); Gregg, 1963: 317 (U.S.A., Colorado species key); Cole, 1968: 21, 38, 155 (North America *Pogonomyrmex* & *P. (Ephebomyrmex)* diagnoses, **Nearctic species revision, keys**); Snelling, R.R. & Hunt, 1976: 72 (Chile species key); Allred, 1982: 442 (U.S.A., Utah species key); Snelling, R.R. 1982a: 104 (supplement to Cole, 1968 key); Snelling, R.R. 1982a: 108 (North America *P. (Ephebomyrmex)* species key); Mackay, Mackay, *et al.* 1985: 42 (Mexico species key); Wheeler, G.C. & Wheeler, J. 1986g: 26

(U.S.A., Nevada species key); Wheeler, G.C. & Wheeler, J. 1986g: 33 (U.S.A., Nevada *Epehebomyrmex* species key); Shattuck, 1987: 175 (*P. occidentalis* complex key); Taber, 1990: 307 (U.S.A. species complexes, phylogeny); Bolton, 1995a: 1052 (census); Taber, 1998: 146, 147 (*Epehebomyrmex*, *Pogonomyrmex* **all species keys**); Fernández & Palacio, 1998: 1657 (northern South America species key); Mackay & Mackay, 2002: 180 (U.S.A., New Mexico species key); Lattke, 2006: 56 (northern South America species key); Johnson, R.A. & Overson, 2009: 313 (*P. californicus* group key); Cuzzo & Claver, 2009: 99 (Argentina species key); Johnson, R.A. *et al.* 2013: 225 (*P. californicus* group key); Johnson, R.A. & Cover, 2015: 248 (Hispaniola species key); Johnson, R.A. 2015:11 (**South America species key**); Baccaro, *et al.* 2015: 284 (genus in Brazil); Fernández & Serna, 2019: 795 (Colombia species key).

***POLANSKIELLA** [junior synonym of **Archimyrmex*]

**Polanskiella* Rossi de Garcia, 1983: 19. Type-species: **Polanskiella smekali* Rossi de Garcia, 1983: 19, by monotypy.

Taxonomic history

**Polanskiella incertae sedis* in Formicidae: Rossi de Garcia, 1983: 19.

**Polanskiella* in Myrmeciinae: Petrulevicius, 1999: 96.

**Polanskiella incertae sedis* in Myrmeciinae: Ward & Brady, 2003: 377; Bolton, 2003: 30, 134.

**Polanskiella* as genus: Rossi de Garcia, 1983: 19; Petrulevicius, 1999: 96; Bolton, 2003: 30, 134; Ward & Brady, 2003: 377.

**Polanskiella* as junior synonym of **Ameghinoia*: Dlussky & Fedoseeva, 1988: 133 (in text).

**Polanskiella* as junior synonym of **Archimyrmex*: Dlussky & Rasnitsyn, 2002: 420; Dlussky & Perfilieva, 2003: 40; Bolton, 2003: 370 (postscript).

POLYERGUS [Formicinae: Formicini]

Polyergus Latreille, 1804: 179. Type-species: *Formica rufescens* Latreille, 1798: 44, by monotypy.

Taxonomic history

Polyergus in Formicariae: Latreille, 1804: 179; Latreille, 1809: 126; Latreille, 1810: 311.

Polyergus in Formicarides: Leach, 1815: 147.

Polyergus in Formicites: Lepeletier de Saint-Fargeau, 1835: 198.

Polyergus in Formicidae: Smith, F. 1858b: 57.

Polyergus in Formicinae: Mayr, 1855: 383 [Formicidae]; Nylander, 1856b: 74 [Formicineae]; Mayr, 1861: 43 [Formicinae]; Mayr, 1862: 653 [Formicidae]; Mayr, 1865: 8 [Formicidae]; Forel, 1874: 58 [Formicidae].

Polyergus in Camponotinae: Forel, 1878: 367 [Camponotidae]; Dalla Torre, 1893: 214 [Camponotinae]; Emery, 1896e: 189 [Camponotinae].

Polyergus in Camponotinae, Camponotini: Forel, 1886f: 200.

Polyergus in Camponotinae, Formicini: Forel, 1893a: 165; Emery, 1895j: 772; Forel, 1899c: 128; Wheeler, W.M. 1910g: 143; Forel, 1912i: 89; Emery, 1916b: 268; Forel, 1917: 250.

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

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

Polyergus in Formicinae, Formicini: Ashmead, 1905b: 384; Bondroit, 1918: 41; Wheeler, W.M. 1922a: 699; Emery, 1925b: 267; subsequent authors; Bolton, 1995b: 43; Bolton, 2003: 28, 129; Ward, Blaimer & Fisher, 2016: 346.

Polyergus as genus: all authors.

***Polyergus* catalogues:** Smith, F. 1858b: 57; Mayr, 1863: 443; Roger, 1863b: 12; Emery & Forel, 1879: 450 (Europe); Cresson, 1887: 255 (U.S.A.); Dalla Torre, 1893: 214; Emery, 1925b: 267; Chapman & Capco, 1951: 203 (Asia); Smith, M.R. 1951a: 873 (North America); Smith, D.R. 1979: 1466 (North America); Bolton, 1995b: 342.

***Polyergus* references:** Latreille, 1818c: 441; Mayr, 1855: 383 (diagnosis); Mayr, 1861: 43 (diagnosis); Mayr, 1865: 8 (diagnosis); Forel, 1878: 373 (diagnosis); André, 1882b: 162 (Europe & Algeria species); Emery, 1925b: 267 (diagnosis); Buren, 1944a: 310 (U.S.A., Iowa species key); Smith, M.R. 1947g: 152 (U.S.A. species key); Creighton, 1950a: 556 (**Nearctic species key**); Gregg, 1963: 632 (U.S.A., Colorado species key); Wheeler, G.C. & Wheeler, J. 1963: 274 (U.S.A., North Dakota species key); Bernard, 1967: 329 (diagnosis); Wheeler, J. 1968: 156 (Nearctic species, male genitalia); Wheeler, G.C. & Wheeler, J. 1986g: 95 (U.S.A., Nevada species key); Kupyanskaya, 1990: 207 (Far Eastern Russia species key); Agosti, 1994a: 109 (diagnosis, review of genus); Kupyanskaya, 1995: 361 (Far Eastern Russia species key); Mackay & Mackay, 2002: 359 (U.S.A., New Mexico species key); Bolton, 2003: 129 (synopsis); Trager, 2013: 509 (**all species revision, key**).

POLYHOMOA [junior synonym of *Strumigenys*]

Polyhomoa Azuma, 1950: 36. Type-species: *Polyhomoa itoi* Azuma, 1950: 36 (junior synonym of *Kyidris mutica* Brown, 1949d: 3), by monotypy.

Taxonomic history

Polyhomoa as junior synonym of *Kyidris*: Creighton, 1950b: 93; Brown & Yasumatsu, 1951: 93; Bolton, 1983: 270; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 43.

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

Polyhomoa as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 2007: 103.

POLYRHACHIS [Formicinae: Camponotini]

Polyrhachis Smith, F. 1857a: 58. Type-species: *Formica bihamata* Fabricius, 1775: 394, by original designation.

[Note: Fabricius, 1775: 394, Smith, F. 1858b: 58, Wheeler, W.M. 1911f: 170, Donisthorpe, 1943f: 685, and many others, attribute *Formica bihamata* to Drury, 1773: 73, pl. 38, figs. 7, 8. Drury's work contains both description and illustration, but the species is not named; first use of the name appears in Fabricius, 1775: 394.]

Taxonomic history

[*Polyrhachis* Shuckard, in Swainson & Shuckard, 1840: 172. *Nomen nudum*.]

Polyrhachis in Formicidae: Smith, F. 1858b: 58.

Polyrhachis in Formicinae: Mayr, 1862: 652 [Formicidae]; Mayr, 1865: 6 [Formicidae].

Polyrhachis in Camponotinae: Forel, 1878: 367 [Camponotidae]; Dalla Torre, 1893: 257 [Camponotinae]; Emery, 1896e: 189 [Camponotinae].

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

Polyrhachis in Camponotinae, Camponotini: Forel, 1886f: 194; Forel, 1893a: 165; Emery, 1895j: 772; Wheeler, W.M. 1910g: 144; Forel, 1912i: 89; Forel, 1917: 251; Arnold, 1924: 741.

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

Polyrhachis in Formicinae, Camponotini: Wheeler, W.M. 1922a: 701; Emery, 1925b: 175; subsequent authors; Hölldobler & Wilson, 1990: 19; Bolton, 1995b: 43; Bolton, 2003: 27, 122; Ward, Blaimer & Fisher, 2016: 345.

Polyrhachis as subgenus of *Myrma*: Wheeler, W.M. 1911c: 860; Wheeler, W.M. 1911f: 170.

[*Myrma* as subgenus of *Polyrhachis*: Forel, 1915b: 106; Forel, 1917: 251; Wheeler, W.M. 1922a: 702, 993; Emery, 1925b: 198; subsequent authors.]

[Note: although *Myrma* antedates *Polyrhachis*, the former has been treated as a subgenus of the latter since Forel, 1917: 251 (see Hung, 1967b: 396 for history). Dorow, Kohout & Taylor, 1997: 236, proposed the precedence of *Polyrhachis* over *Myrma* and that precedence was established by the ICZN (Opinion 1919) 1999: 92.]

Polyrhachis as genus: all authors except for Wheeler, W.M. 1911c: 860, Wheeler, W.M. 1911f: 170.

[**POLYRACHIS**: incorrect subsequent spelling by Arnold, 1924: 741.]

Subgenera of *Polyrhachis* (alphabetical order with synonyms indicated): nominal plus *Aulacomyrma* (= *Johnia*), *Campomyrma*, *Chariomyrma*, *Cyrtomyrma*, *Hagiomyrma*, *Hedomyrma* (= *Dolichorhachis*, = *Morleyidris*), *Hemioptica*, *Hirtomyrma*, *Myrma* (= *Anoplomyrma*, = *Hoplomyrmus*, = *Pseudocyrtomyrma*), *Myrmatopa* (= *Irenea*), *Myrmhopla* (= *Cephalomyrma*, = *Florencea*), *Myrmothrinax* (= *Evelyna*).

[Note (i): all subgenera were given as provisional junior synonyms of *Polyrhachis* by Brown, 1973b: 178-184. The list was repeated in Hölldobler & Wilson, 1990: 19, and Tang, J., Li, *et al.* 1995: 117, with all subgenera listed as junior synonyms. They reverted to subgeneric status in Bolton, 1994: 50, and Bolton, 2003: 123. The entry of *Chariomyrma*, *Hagiomyrma* and *Hedomyrma* under the synonymy of *Polyrhachis* by Taylor & Brown, 1985: 131, is not considered as confirmation as the three subgenera all range outside the Austral Region.]

[Note (ii): world list of species in *P. (Polyrhachis)*: Emery, 1925b: 181; Dorow, 1995: 64; Bolton, 1995b: 360.]

***Polyrhachis* catalogues**: Mayr, 1863: 422, 443 (*Hemioptica*, *Polyrhachis*); Roger, 1863b: 6, 9 (*Polyrhachis*, *Hemioptica*); Dalla Torre, 1893: 257, 271 (*Polyrhachis*, *Hemioptica*); Emery, 1896d: 367, 378 (classification, list); Emery, 1898a: 227 (additions to 1896d); Wheeler, W.M. 1922a: 992 (Afrotropical); Emery, 1925b: 178 (*P. (Campomyrma)*); Emery, 1925b: 180 (*P. (Myrmatopa)*); Emery, 1925b: 181 (*P. (Polyrhachis)*); Emery, 1925b: 182 (*P. (Myrmothrinax)*); Emery, 1925b: 184 (*P. (Hagiomyrma)*); Emery, 1925b: 185 (*P. (Chariomyrma)*); Emery, 1925b: 188 (*P. (Dolichorhachis)*); Emery, 1925b: 189 (*P. (Hedomyrma)*); Emery, 1925b: 190 (*P. (Myrmhopla)*); Emery, 1925b: 197 (*P. (Aulacomyrma)*); Emery, 1925b: 198 (*P. (Myrma)*); Emery, 1925b: 206 (*P. (Pseudocyrtomyrma)*); Emery, 1925b: 207 (*P. (Cyrtomyrma)*); Emery, 1925b: 209 (*Hemioptica*); Chapman & Capco, 1951: 186, 255, 256 (Asia *Irenea*, *Hemioptica*, *Polyrhachis*); Taylor & Brown, 1985: 131 (Australia); Taylor, 1987a: 59 (Australia, New Caledonia); Kohout & Taylor, 1990: 509 (Australia); Bolton, 1995b: 342; Dorow, 1995: 12; Fisher & Bolton, 2016: 381 (Afrotropical checklist).

***Polyrhachis* references**: Smith, F. 1858b: 58 (diagnosis); Mayr, 1865: 6 (*Polyrhachis*, *Hemioptica* diagnoses); Mayr, 1867a: 40, 41 (diagnosis, species groups (as "turmae")); Mayr, 1876: 68 (Australia species key); Forel, 1878: 368 (diagnosis); Mayr, 1879: 648 (species groups); André, 1887: 286 (Afrotropical species key); Forel, 1893c: 17 (India & Sri Lanka species key); Emery, 1897d: 579, 582 (*P. relucens* & *P. guerini* groups, keys); Bingham, 1903: 383 (India, Sri Lanka & Burma species key); Santschi, 1910h: 284 (*P. rastellata* group key); Viehmeyer, 1914b: 50, 54 (*P. rastellata* & *P. hostilis* groups, keys); Wheeler, W.M. 1922a: 256, 701 (diagnosis, subgenera key); Arnold, 1924: 741 (diagnosis, South Africa species key); Emery, 1925b: 175 (diagnosis, subgenera key); Emery, 1925b: 178 (*P. (Campomyrma)* diagnosis); Emery, 1925b: 180 (*P. (Myrmatopa)* diagnosis); Emery, 1925b: 181 (*P. (Polyrhachis)* diagnosis); Emery, 1925b: 182 (*P. (Myrmothrinax)* diagnosis); Emery, 1925b: 184 (*P. (Hagiomyrma)* diagnosis); Emery, 1925b: 185 (*P. (Chariomyrma)* diagnosis); Emery, 1925b: 188 (*P. (Dolichorhachis)* diagnosis); Emery, 1925b: 189 (*P. (Hedomyrma)* diagnosis); Emery, 1925b: 190 (*P. (Myrmhopla)* diagnosis); Emery, 1925b: 197 (*P. (Aulacomyrma)* diagnosis); Emery, 1925b: 198 (*P. (Myrma)* diagnosis); Emery, 1925b: 206 (*P. (Pseudocyrtomyrma)* diagnosis); Emery, 1925b: 207 (*P. (Cyrtomyrma)* diagnosis); Emery, 1925b: 209 (*Hemioptica*

diagnosis); Donisthorpe, 1938c: 246 (*P. (Cyrtomyrma)* review); Santschi, 1939c: 13 (*P. (Pseudocyrtomyrma)* species key); Hung, 1962: 24 (Taiwan species key); Hung, 1967b: 395 (review of subgenera); Hung, 1970: 5 (*P. (Polyrhachis)* **all species revision, key**); Bolton, 1973b: 289 (**Afrotropical species revision, key**); Bolton, 1975c: 1 (*P. sexspinosa* group, key); Kohout, 1987: 169 (Philippines *P. sexspinosa* group, key); Kohout, 1989: 515 (Australia *P. relucens* group, key); Kohout, 1990: 500 (*P. viehmeyeri* group, key); Morisita, *et al.* 1991: 45 (Japan species key); Wang C. & Wu, 1991: 596 (China species key); Dorow & Kohout, 1995: 96 (*P. (Hemioptica)* **species key**); Bolton, 1995a: 1052 (census); Dorow, 1995: 9 (subgenera revision, subgenera key); Dorow, 1995: 10-11 (*P. (Myrmhopla)* species groups, key; *P. arachne*, *P. cryptoceroides*- *P. flavoflagellata*-, *P. furcata*- and *P. hector* species groups, keys); Dorow, 1995: 12 (*P. (Aulacomyrma)* synopsis); Dorow, 1995: 13 (*P. (Campomyrma)* synopsis); Dorow, 1995: 16 (*P. (Chariomyrma)* synopsis); Dorow, 1995: 21 (*P. (Cyrtomyrma)* synopsis); Dorow, 1995: 24 (*P. (Hagiomyrma)* synopsis); Dorow, 1995: 26 (*P. (Hedomyrma)* synopsis); Dorow, 1995: 28 (*P. (Hemioptica)* synopsis); Dorow, 1995: 30 (*P. (Myrma)* synopsis); Dorow, 1995: 42 (*P. (Myrmatopa)* synopsis); Dorow, 1995: 45 (*P. (Myrmhopla)* synopsis); Dorow, 1995: 61 (*P. (Myrmotherinx)* synopsis); Dorow, 1995: 63 (*P. (Polyrhachis)* synopsis); Wu, J. & Wang, 1995: 159 (China species key); Shattuck, 1999: 107 (Australia synopsis); Zhou, 2001b: 190 (China, Guangxi species key); Xu, 2002b: 523 (China *P. (Cyrtomyrma)* species key; Bolton, 2003: 122 (synopsis); Karmaly, 2004: 542 (India species key); Kohout, 2006a: 146 (*P. cryptoceroides* group, key); Kohout, 2006b: 87 (*P. (Cyrtomyrma)* of Australia, Borneo, New Guinea, Solomon Is, keys); Kohout, 2007a: 189 (*P. (Aulacomyrma)* diagnosis, **all species revision, key**); Kohout, 2007c: 8 (*P. (Campomyrma)* Borneo, key); Kohout, 2008a: 255 (Sulawesi species, keys); Kohout, 2008b: 298 (*P. vestita* group key); Kohout, 2008d: 12 (*P. flavoflagellata* group key); Kohout, 2009: 40, 44 (modifications to Kohout 2006b key); Terayama, 2009: 218 (Taiwan species key); Heterick, 2009: 106 (south-western Australia species key); Kohout, 2010: 169 (Australia subgenera key; *P. (Myrmhopla)* **Australia species key**: 171; *P. (Hirtomyrma)* **Australia species key**: 200); Kohout, 2012a: 38 (*P. (Myrma)* **Australia species key**: 38; *P. (Myrmatopa)* **Australia species key**: 43; *P. (Myrmotherinx)* **Australia species key**: 50; Kohout, 2013a: 17 (*P. (Myrma)* *continua* group key); Kohout, 2013d: 94, 110 (*P. (Campomyrma)* *gravis* and *micans* groups keys); Kohout, 2013e: 494 (*P. (Hagiomyrma)* **all species key**); Kohout, 2013f: 141 (*P. (Myrma)* *aculeata* group key); Kohout, 2014: 4 (*P. (Polyrhachis)* species key); Mezger & Moreau, 2016: 369 (phylogeny of genus, subgenera); Rigato, 2016: 7 (**Afrotropical species revision, key**); Fisher & Bolton, 2016: 380 (diagnosis).

PONERA [Ponerinae: Ponerini]

Ponera Latreille, 1804: 179. Type-species: *Formica coarctata* Latreille, 1802b: 65, by subsequent designation of Westwood, 1840a: 83.

[Note: type-designation is discussed by Taylor, 1967a: 6.]

Taxonomic history

Ponera in Formicariae: Latreille, 1804: 179; Latreille, 1809: 127; Latreille, 1810: 311.

Ponera in Formicarides: Leach, 1815: 147.

Ponera in Ponerites: Lepeletier de Saint-Fargeau, 1835: 188.

Ponera in Poneridae: Smith, F. 1858b: 83; Smith, F. 1871a: 320.

Ponera in Ponerinae: Mayr, 1855: 386 [Poneridae]; Nylander, 1856b: 75 [Ponerinae]; Smith, F. 1857a: 65 [Poneridae]; Mayr, 1861: 54 [Poneridae]; Mayr, 1862: 713 [Poneridae]; Mayr, 1865: 13 [Poneridae]; Forel, 1874: 62 [Poneridae]; Emery & Forel, 1879: 455 [Poneridae]; Dalla Torre, 1893: 37 [Ponerinae]; Emery, 1896e: 179 [Ponerinae].

Ponera in Ponerinae, Ponerini: Emery, 1895j: 767; Forel, 1899c: 15; Ashmead, 1905b: 382; Wheeler, W.M. 1910g: 135; Emery, 1911d: 88 [subtribe Ponerini]; Wheeler, W.M. 1915h: 38; Arnold, 1915: 77; Emery, 1916b: 106; Forel, 1917: 238 [subtribe Ponerini]; Wheeler, W.M. 1922a: 650; subsequent authors; Bolton, 1995b: 43; Bolton, 2003: 44, 170; in Ponerini, *Ponera* genus group: Schmidt, C.A. & Shattuck, 2014: 200.

Ponera as genus: all authors.

Ponera as senior synonym of *Pseudocryptopone*: Wilson, 1957: 356; Smith, D.R. 1979: 1341; Ogata, 1987: 120; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 43; Bolton, 2003: 170; Schmidt, C.A. & Shattuck, 2014: 200.

Ponera as senior synonym of *Pteroponera*: Brown, 1973b: 184 [provisional]; Hölldobler & Wilson, 1990: 11; Brown, in Bolton, 1994: 164; Bolton, 1995b: 43; Bolton, 2003: 170; Schmidt, C.A. & Shattuck, 2014: 200.

Ponera as senior synonym of *Selenopone*: Wilson, 1957: 356; Smith, D.R. 1979: 1341; Ogata, 1987: 120; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 43; Bolton, 2003: 170; Schmidt, C.A. & Shattuck, 2014: 200.

***Ponera* catalogues:** Mayr, 1863: 447; Roger, 1863b: 16; Emery & Forel, 1879: 455 (Europe); Cresson, 1887: 258 (U.S.A.); Dalla Torre, 1893: 37; Emery, 1901a: 44 (species list); Emery, 1911d: 90; Wheeler, W.M. 1922a: 780, 1009 (Afrotropical, Malagasy); Chapman & Capco, 1951: 68, 73, 74 (Asia *Ponera*, *Pseudocryptopone*, *Selenopone*); Smith, M.R. 1951a: 786 (North America); Smith, D.R. 1979: 1341 (North America); Taylor & Brown, 1985: 38 (Australia); Taylor, 1987a: 63 (Australia, New Caledonia & New Zealand); Bolton, 1995b: 360; Schmidt, C.A. & Shattuck, 2014: 204 (species checklist); Fisher & Bolton, 2016: 384 (Afrotropical, Malagasy checklist).

***Ponera* references:** [Prior to 1967 all references include *Hypoconera* + *Ponera* species.]

Latreille, 1818c: 569; Mayr, 1855: 386 (diagnosis); Smith, F. 1858b: 83 (diagnosis); Mayr, 1861: 54 (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, Papuaia & Oceania species key); Forel, 1900d: 322 (India & Sri Lanka *Ponera* (*Ponera*) species key); Emery, 1901a: 41 (diagnosis); Bingham, 1903: 89 (India, Sri Lanka & Burma species key); Emery, 1909c: 367 (Palearctic species key); Emery, 1911d: 88 (diagnosis); Arnold, 1915: 76 (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); Wheeler, W.M. 1933g: 13 (*Pseudocryptopone* species key); Smith, M.R. 1936: 420 (North America species key); Stitz, 1939: 58 (Germany species key); Creighton, 1950a: 47 (**Nearctic species key**); Wilson, 1957b: 359, 376 (*P. tenuis*, *P. selenophora* groups revisions, keys); Wilson, 1958d: 323, 343 (Melanesia & Moluccas species, Fiji Is species revisions, keys); Brown, 1958h: 22 (New Zealand species); Taylor, 1960: 180 (*P. lae* complex, key); Taylor, 1964: 139 (*fossil species, review); Taylor, 1967a: 18 (diagnosis, **all species revision, key**); Bernard, 1967: 83 (diagnosis, Western Europe species key); Ogata, 1987: 120 (diagnosis, Japan); Morisita, *et al.* 1989: 22 (Japan species key); Perrault, 1993: 337 (addition to Taylor, 1967a key); Bolton, 1994: 164 (synoptic classification); Bolton, 1995a: 1052 (census); Terayama, 1996: 14 (Japan species key); Dlussky, 1997: 51 (in Baltic amber genera key); Kim, *et al.* 1998: 149 (Korea species key); Shattuck, 1999: 199 (Australia synopsis); Xu, 2001a: 52 and Xu, 2001c: 218 (China species keys); Zhou, 2001b: 37

(China, Guangxi species key); Bolton, 2003: 170 (synopsis); Yoshimura, Hosoishi, *et al.* 2009: 200 (Japan species key); Terayama, 2009: 109 (Taiwan species key); Sarnat & Economo, 2012: 162 (Fiji Is species key); Eguchi, *et al.* 2014: 39 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 202 (diagnosis, synopsis); Bharti & Rilta, 2015: 15 (India species key); Fisher & Bolton, 2016: 384 (diagnosis); Leong, Guénard, *et al.* 2019: 12 (East Asian species key).
[Note: prior to 1967 catalogues and references include both *Hypoconera* and *Ponera* species.]

PONERACANTHA [junior synonym of *Gnamptogenys*]

Poneracantha Emery, 1897d: 547 [as subgenus of *Ectatomma*]. Type-species: *Ectatomma (Holcoconera) bispinosum* Emery, 1890b: 40, by original designation.

Taxonomic history

Poneracantha as subgenus of *Ectatomma*: Emery, 1911d: 43; Forel, 1917: 236; Wheeler, W.M. 1922a: 643; Donisthorpe, 1943f: 685.

Poneracantha as junior synonym of *Gnamptogenys*: Brown, 1958g: 211; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 43; Bolton, 2003: 174.

***PONERITES** [Ponerinae: Ponerini]

****Ponerites*** Dlussky & Rasnitsyn, 2002: 423. Type-species: **Ponerites eocenicus* Dlussky & Rasnitsyn, 2002: 423, by original designation.

Taxonomic history

****Ponerites*** Dlussky, 1981b: 67 [collective group name].

****Ponerites*** in Ponerinae, Ponerini: Dlussky, 1981b: 67; Bolton, 1995b: 43, 363; Dlussky & Rasnitsyn, 2002: 423; Bolton, 2003: 172.

****Ponerites*** as genus: Dlussky & Rasnitsyn, 2002: 423; Dlussky & Putyatina, 2014: 267.

[Note: this name is not cognate with the family-group name *Ponerites* Lepeletier de Saint-Fargeau, 1835: 185.]

****Ponerites* references:** Dlussky & Perfilieva, 2014: 427 (diagnosis); Dlussky & Putyatina, 2014: 267 (diagnosis).

***PONEROPSIS** [junior synonym of *Liometopum*]

****Poneropsis*** Heer, 1867: 19. Type-species: **Ponera fuliginosa* Heer, 1849: 145 (junior synonym of **Formica imhoffii* Heer, 1849: 138), by subsequent designation of Wheeler, W.M. 1911f: 171.

Taxonomic history

****Poneropsis incertae sedis*** in Ponerinae: Dalla Torre, 1893: 52.

****Poneropsis*** in Ponerinae: Handlirsch, 1907: 880.

****Poneropsis*** in Ponerinae, Ponerini: Donisthorpe, 1943f: 685; subsequent authors; Bolton, 1995b: 43; Bolton, 2003: 44, 172.

****Poneropsis*** as genus: Dalla Torre, 1893: 52; Bolton, 1995b: 43; Bolton, 2003: 44, 172.

****Poneropsis*** as junior synonym of *Liometopum*: Dlussky & Putyatina, 2014: 245.

***PONEROPTERUS** [*incertae sedis* in Formicidae]

****Poneropterus*** Dlussky, 1983: 73. Type-species: **Poneropterus sphecoides* Dlussky, 1983: 73, by original designation.

Taxonomic history

****Poneropterus*** in **Armaniidae*: Dlussky, 1983: 67; Dlussky & Fedoseeva, 1988: 77; Grimaldi, *et al.* 1997: 7.

- **Poneropterus* in in *Sphecomyrminae: Wilson, 1987: 49.
- **Poneropterus* in in *Armaniinae, *Armaniini: Bolton, 1994: 187; Bolton, 1995b: 43; Bolton, 2003: 74, 260.
- **Poneropterus incertae sedis* in Formicidae: Borysenko, 2017: 14.
- **Poneropterus* as junior synonym of **Sphecomyrma*: Wilson, 1987: 49; Hölldobler & Wilson, 1990: 9.
- **Poneropterus* as genus: Dlussky & Fedoseeva, 1988: 77; Carpenter, 1992: 494; Bolton, 1995b: 43; Grimaldi, *et al.* 1997: 7; Bolton, 2003: 74, 260.
- ****Poneropterus* catalogues**: Bolton, 1995b: 363.
- ****Poneropterus* references**: Grimaldi, *et al.* 1997: 5 (notes).

PRENOLEPIS [Formicinae: Lasiini]

Prenolepis Mayr, 1861: 52. Type-species: *Tapinoma nitens* Mayr, 1853a: 144, by subsequent designation of Bingham, 1903: 325.

Taxonomic history

[Type-species not *Formica imparis* Say, 1836: 287, unjustified subsequent designation by Emery, 1906b: 134; repeated by Wheeler, W.M. 1911f: 171, Wheeler, W.M. 1922a: 940.]

Prenolepis in Formicinae: Mayr, 1861: 52 [Formicidae]; Mayr, 1862: 652 [Formicidae]; Mayr, 1865: 7 [Formicidae]; Mayr, 1868b: 32 [Formicidae].

Prenolepis in Camponotinae: Forel, 1878: 377 [Camponotidae]; Emery & Forel, 1879: 453 [Camponotidae]; Dalla Torre, 1893: 177 [Camponotinae]; Emery, 1896e: 189 [Camponotinae].

Prenolepis in Camponotinae, Camponotini: Forel, 1886f: 209.

Prenolepis in Camponotinae, Formicini: Forel, 1893a: 165; Forel, 1893g: 337; Forel, 1895b: 103; Emery, 1895j: 772; Forel, 1899c: 125; Wheeler, W.M. 1910g: 143.

Prenolepis in Formicinae, Plagiolepidini: Ashmead, 1905b: 384; Bolton, 2003: 23, 105.

Prenolepis in Camponotinae, Prenolepidini: Forel, 1912i: 89; Wheeler, W.M. 1915h: 117; Emery, 1916b: 238; Forel, 1917: 249; Arnold, 1922: 605.

Prenolepis in Formicinae, Prenolepidini: Wheeler, W.M. 1922a: 697; Chapman & Capco, 1951: 219; Hölldobler & Wilson, 1990: 18.

Prenolepis in Formicinae, Acanthomyopsini: Donisthorpe, 1943f: 685.

Prenolepis in Formicinae, Brachymyrmecini: Wheeler, G.C. & Wheeler, J. 1970: 651; Wheeler, G.C. & Wheeler, J. 1976b: 101; Wheeler, G.C. & Wheeler, J. 1985: 258.

Prenolepis in Formiciae, *Lasius* genus group: Agosti, 1991: 296.

Prenolepis in Formicinae, *Prenolepis* genus group: LaPolla, Brady & Shattuck, 2010a: 129.

Prenolepis in Formicinae, Lasiini: Emery, 1925b: 224; Stitz, 1939: 379; Kempf, 1972a: 209; Smith, D.R. 1979: 1444; Dlussky & Fedoseeva, 1988: 77; Jaffe, 1993: 14; Bolton, 1994: 50; Bolton, 1995b: 43; Ward, Blaimer & Fisher, 2016: 347.

Prenolepis as genus: all authors.

***Prenolepis* catalogues**: Mayr, 1863: 451; Roger, 1863b: 10; Emery & Forel, 1879: 453 (Europe); Cresson, 1887: 257 (U.S.A.); Dalla Torre, 1893: 177; Wheeler, W.M. 1922a: 940 (Afrotropical); Emery, 1925b: 224; Chapman & Capco, 1951: 219 (Asia); Smith, M.R. 1951a: 849 (North America); Kempf, 1972a: 209 (Neotropical); Smith, D.R. 1979: 1442 (North America); Bolton, 1995b: 363.

***Prenolepis* references**: Mayr, 1865: 7 (diagnosis); Mayr, 1867a: 71 (diagnosis); Mayr, 1870b: 947 (all species key); Forel, 1878: 377 (diagnosis); André, 1882b: 203 (Europe & Algeria

species key); Forel, 1894c: 406 (India & Sri Lanka species key); Bingham, 1903: 326 (India, Sri Lanka & Burma species key); Emery, 1910a: 127 (Palearctic species key); Arnold, 1922: 605 (diagnosis); Wheeler, W.M. 1922a: 216, 69 (diagnosis, subgenera key); Emery, 1925b: 224 (diagnosis); Creighton, 1950a: 410 (Nearctic species review); Bolton, 1995a: 1052 (census); Wu, J. & Wang, 1995: 137 (China species key); Xu, 1995c: 338 (Southern & Eastern Asia species key); Dlussky, 1997: 55 (in Baltic amber genera key); Fontenla Rizo, 2000: 81 (Antilles Is species key); Zhou, 2001b: 170 (China, Guangxi species key); Wang, W. & Wu, 2007: 721 (China species key); LaPolla, Brady & Shattuck, 2010a: 118, 129 (genus group phylogeny, diagnosis, synopsis); Williams, J.L. & LaPolla, 2016: 216 (**all species revision, key**); Williams, J.L. & LaPolla, 2018: 173 (**all species key**).

PRIONOGENYS [junior synonym of *Leptogenys*]

Prionogenys Emery, 1895g: 348. Type-species: *Prionogenys podenzanai* Emery, 1895g: 349, by monotypy.

Taxonomic history

Prionogenys in Ponerinae: Emery, 1896e: 177 [Ponerinae].

Prionogenys in Ponerinae, Ponerini: Emery, 1895j: 767; Wheeler, W.M. 1910g: 135.

Prionogenys in Ponerinae, Leptogenyini: Ashmead, 1905b: 382; Emery, 1911d: 106; Forel, 1917: 238; Wheeler, W.M. 1922a: 652; Donisthorpe, 1943f: 685; Dlussky & Fedoseeva, 1988: 78.

Prionogenys as genus: Emery, 1896e: 177; Ashmead, 1905b: 382; Emery, 1911d: 106; Forel, 1917: 238; Wheeler, W.M. 1922a: 652; Donisthorpe, 1943f: 685; Dlussky & Fedoseeva, 1988: 78.

Prionogenys as junior synonym of *Leptogenys*: 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.

****PRIONOMYRMEX*** [Myrmeciinae: Prionomyrmecini]

****Prionomyrmex*** Mayr, 1868b: 77. Type-species: **Prionomyrmex longiceps* Mayr, 1868b: 78, by monotypy.

Taxonomic history

**Prionomyrmex* in Myrmicidae, Myrmeciidae: Emery, 1877a: 81.

**Prionomyrmex* in Ponerinae: Mayr, 1868b: 77 [Poneridae]; Dalla Torre, 1893: 22 [Ponerinae].

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

**Prionomyrmex* in Ponerinae, Prionomyrmecini: Wheeler, 1915h: 25.

**Prionomyrmex* in Prionomyrmecinae: Baroni Urbani, 2000: 479; Baroni Urbani, 2005: 590.

**Prionomyrmex* in Myrmeciinae: Hölldobler & Wilson, 1990: 11; Dlussky, 2012: 291.

**Prionomyrmex* in Myrmeciinae, Prionomyrmecini: Brown, 1954e: 22; Bolton, 1994: 73; Bolton, 1995b: 43; Bolton, 2003: 30, 133; Ward & Brady, 2003: 375.

**Prionomyrmex* as genus: all authors.

****Prionomyrmex* catalogues**: Dalla Torre, 1893: 22; Bolton, 1995b: 364.

****Prionomyrmex* references**: Wheeler, 1915h: 25 (diagnosis); Dlussky, 1997: 51 (in Baltic amber genera key); Baroni Urbani, 2000: 478 (diagnosis, revision, phylogeny); Dlussky & Rasnitsyn, 2002: 418 (*fossil taxa, notes); Ward & Brady, 2003: 375 (phylogeny, classification); Dlussky, 2012: 291 (diagnosis).

PRIONOPELTA [Amblyoponinae]

Prionopelta Mayr, 1866a: 503. Type-species: *Prionopelta punctulata* Mayr, 1866a: 505, by monotypy.

Taxonomic history

Prionopelta in Ponerinae: Mayr, 1866a: 503 [Poneridae]; Dalla Torre, 1893: 15 [Ponerinae]; Emery, 1896e: 176 [Ponerinae].

Prionopelta in Amblyoponinae: Forel, 1893a: 162; Forel, 1895b: 110 [Amblyoponeridae].

Prionopelta in Ponerinae, Proceratiini: Ashmead, 1905b: 382.

Prionopelta in Ponerinae, Ectatommini: Emery, 1911d: 32 [subtribe Typhlomyrmecini]; Forel, 1917: 236; Wheeler, W.M. 1922a: 642.

Prionopelta in Ponerinae, Amblyoponini: Emery, 1895j: 766; Wheeler, W.M. 1910g: 134; Brown, 1953c: 11; Brown, 1960a: 173; Kempf, 1972a: 210; Smith, D.R. 1979: 1335; subsequent authors; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 43.

Prionopelta in Amblyoponinae: Bolton, 2003: 42, 156.

Prionopelta as genus: all authors.

Prionopelta as senior synonym of *Examblyopone*: Brown, 1951: 102; Smith, D.R. 1979: 1335; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 43; Bolton, 2003: 156.

Prionopelta as senior synonym of *Renea*: Brown, 1953c: 11; Smith, D.R. 1979: 1335; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 43; Bolton, 2003: 156.

Prionopelta as senior synonym of *Concoctio*: Ward & Fisher, 2016: 691.

***Prionopelta* catalogues:** Dalla Torre, 1893: 15; Emery, 1911d: 32; Chapman & Capco, 1951: 26 (Asia); Kempf, 1972a: 210 (Neotropical); Smith, D.R. 1979: 1335 (North America); Taylor & Brown, 1985: 39 (Australia); Taylor, 1987a: 64 (Australia & New Caledonia); Bolton, 1995b: 364; Fisher & Bolton, 2016: 386 (Afrotropical, Malagasy checklist).

***Prionopelta* references:** Forel, 1909a: 242 (New World species key); Emery, 1911d: 32 (diagnosis); Wilson, 1958a: 146 (Melanesia species key); Brown, 1960a: 173 (review of genus, **Neotropical species key**: 218, **Indo-Australian species key**: 221); Terron, 1974: 105 (Afrotropical species synopsis); Shattuck, 1999: 201 (Australia synopsis); Shattuck, 2008b: 22 (**Indo-Pacific species revision, key**); Arias-Penna, 2008a: 48 (**Neotropical species key**); Yoshimura & Fisher, 2012a: 16 (male diagnosis); Eguchi, *et al.* 2014: 25 (diagnosis, Vietnam synopsis); Overson & Fisher, 2015: 118 (**Malagasy species revision, key**); Baccaro, *et al.* 2015: 122 (genus in Brazil); Fisher & Bolton, 2016: 246 (*Concoctio* diagnosis, checklist); Fisher & Bolton, 2016: 385 (diagnosis); Ward & Fisher, 2016: 689 (phylogeny); Fernández, Delsinne & Arias-Penna, 2019: 507 (Colombia species key).

PRISTOMYRMECIA [junior synonym of *Myrmecia*]

Pristomyrmecia Emery, 1911d: 21 [as subgenus of *Myrmecia*]. Type-species: *Myrmecia mandibularis* Smith, F. 1858b: 145, by original designation.

Taxonomic history

Pristomyrmecia in Ponerinae, Myrmeciini: Emery, 1911d: 21.

Pristomyrmecia as subgenus of *Myrmecia*: Forel, 1917: 235; Wheeler, W.M. 1922a: 640.

Pristomyrmecia as genus: Donisthorpe, 1943f: 686.

Pristomyrmecia as junior synonym of *Promyrmecia*: Clark, 1927: 37; Clark, 1943: 84; Clark, 1951: 119.

Pristomyrmecia as junior synonym of *Myrmecia*: Brown, 1953j: 1; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 43; Bolton, 2003: 132.

PRISTOMYRMEX [Myrmicinae: Crematogastrini]

Pristomyrmex Mayr, 1866b: 903. Type-species: *Pristomyrmex pungens* Mayr, 1866b: 904 (junior synonym of *Myrmica punctata* Smith, F. 1860b: 108), by monotypy.

Taxonomic history

Pristomyrmex in Myrmicinae: Mayr, 1866b: 903 [Myrmicidae]; Dalla Torre, 1893: 62 [Myrmicinae]; Emery, 1896e: 183 [Myrmicinae].

Pristomyrmex in Myrmicidae, Myrmicidae: Emery, 1877a: 81.

Pristomyrmex in Myrmicinae, Myrmicini: Emery, 1895j: 769; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 139.

Pristomyrmex in Myrmicinae, Tetramoriini: Bernard, 1953b: 251.

Pristomyrmex in Myrmicinae, Pheidolini: Hölldobler & Wilson, 1990: 16.

Pristomyrmex in Myrmicinae, Myrmecini: Emery, 1912b: 105; Emery, 1914a: 41; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 233 [subtribe Myrmecini]; Bolton, 1994: 105; Bolton, 1995b: 43; Bolton, 2003: 71, 256.

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

Pristomyrmex as genus: all authors.

Pristomyrmex as senior synonym of *Dodous*: Brown, 1971a: 3; Bolton, 1973a: 348; Bolton, 1981b: 282; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 122; Bolton, 1995b: 43; Tang, J., Li, *et al.* 1995: 61; Bolton, 2003: 256.

Pristomyrmex as senior synonym of *Hylidris*: Brown, 1953c: 9; Bolton, 1973a: 348; Bolton, 1981b: 282; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 122; Bolton, 1995b: 43; Tang, J., Li, *et al.* 1995: 61; Bolton, 2003: 256.

Pristomyrmex as senior synonym of *Odontomyrmex*: Mann, 1919: 341; Emery, 1924d: 233; Donisthorpe, 1943f: 676; Brown, 1953c: 9; Taylor, 1965b: 35; Bolton, 1973a: 348; Bolton, 1981b: 282; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 122; Bolton, 1995b: 43; Tang, J., Li, *et al.* 1995: 61; Bolton, 2003: 256.

***Pristomyrmex* catalogues:** Dalla Torre, 1893: 62; Emery, 1924d: 233; Chapman & Capco, 1951: 121, 161 (Asia *Pristomyrmex*, *Dodous*); Taylor & Brown, 1985: 85 (Australia); Taylor, 1987a: 64 (Australia); Bolton, 1995b: 365; Fisher & Bolton, 2016: 388 (Afrotropical, Malagasy checklist).

***Pristomyrmex* references:** Forel, 1903a: 696 (India & Sri Lanka species key); Bingham, 1903: 193 (diagnosis); Emery, 1924d: 233 (diagnosis); Taylor, 1965b: 37 (**Australia species revision, key**); Taylor, 1968c: 63 (supplement to Taylor, 1965b); Bolton, 1981b: 282 (diagnosis, **Afrotropical species revision, key**); Ogata, 1991b: 122 (diagnosis, Japan); Morisita, *et al.* 1992: 57 (Japan species key); Bolton, 1995a: 1052 (census); Lin & Wu, 1998: 94 (Taiwan species key); Shattuck, 1999: 159 (Australia synopsis); Xu & Zhang, 2002: 69 (China species key); Wang, M. 2003: 393 (**all species revision, key**); Zettell, 2006: 65 (Philippines species key); Terayama, 2009: 190 (Taiwan species key); Eguchi, *et al.* 2011: 25 (diagnosis, Vietnam synopsis); Fisher & Bolton, 2016: 387 (diagnosis).

PROATTA [Myrmicinae: Crematogastrini]

Proatta Forel, 1912m: 768. Type-species: *Proatta butteli* Forel, 1912m: 769, by monotypy.

Taxonomic history

[*Proatta* also described as new by Forel, 1913k: 84.]

[Note: *Proatta* was erroneously given as senior synonym of *Asemorhoptrum* and *Theryella* by Snelling, R.R. 1981: 395; these names are properly attributed to the synonymy of *Stenamamma*.]

Proatta in Myrmicinae, Proattini: Forel, 1917: 246; Wheeler, W.M. 1922a: 668; Wheeler, G.C. & Wheeler, J. 1985: 257.

Proatta in Myrmicinae, Attini: Emery, 1913b: 251; Emery, 1914a: 42; Emery, 1924d: 333 [subtribe Proattini]; Donisthorpe, 1943f: 686; Chapman & Capco, 1951: 83.

Proatta in Myrmicinae, Pheidolini: Dlussky & Fedoseeva, 1988: 80; Hölldobler & Wilson, 1990: 16.

Proatta in Myrmicinae, Stenammini: Bolton, 1994: 106; Bolton, 1995b: 43; Bolton, 2003: 59, 204.

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

Proatta as genus: all authors.

***Proatta* catalogues:** Emery, 1924d: 333; Bolton, 1995b: 366.

***Proatta* references:** Emery, 1924d: 333 (diagnosis,); Moffett, 1987: 444 (review of genus); Eguchi, *et al.* 2011: 26 (diagnosis, Vietnam synopsis).

PROBOLOMYRMEX [Proceratiinae: Probolomyrmecini]

Probolomyrmex Mayr, 1901b: 2. Type-species: *Probolomyrmex filiformis* Mayr, 1901b: 3, by monotypy.

Taxonomic history

Probolomyrmex in Dorylidae, Dorylinae, Dorylini: Ashmead, 1905b: 381; Ashmead, 1906: 27.

Probolomyrmex in Ponerinae, Cerapachyini: Wheeler, W.M. 1910g: 137.

Probolomyrmex in Ponerinae, Proceratiini: Emery, 1911d: 52; Arnold, 1915: 33; Forel, 1917: 236; Wheeler, W.M. 1922a: 645; Donisthorpe, 1943f: 686; Chapman & Capco, 1951: 77.

Probolomyrmex in Ponerinae, Platythyreini: Brown, 1952k: 1; Kempf, 1972a: 210; Brown, 1975: 7; Wheeler, G.C. & Wheeler, J. 1985: 256; Dlussky & Fedoseeva, 1988: 79; Hölldobler & Wilson, 1990: 10; Brandão, 1991: 372; Jaffe, 1993: 7; Bolton, 1994: 164; Bolton, 1995b: 43.

Probolomyrmex in Probolomyrmecinae: Perrault, 2000: 271.

Probolomyrmex in Proceratiinae, Probolomyrmecini: Bolton, 2003: 49, 180.

Probolomyrmex as genus: all authors.

Probolomyrmex as senior synonym of *Escherichia*: Taylor, 1965d: 346; Bolton, 1973a: 332; Ogata, 1987: 104; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 43; Bolton, 2003: 180.

***Probolomyrmex* catalogues:** Emery, 1911d: 52, 53 (*Probolomyrmex*, *Escherichia*); Wheeler, W.M. 1922a: 761 (Afrotropical *Probolomyrmex*, *Escherichia*); Kempf, 1972a: 210 (Neotropical); Taylor & Brown, 1985: 39 (Australia); Taylor, 1987a: 64 (Australia); Bolton, 1995b: 366; Fisher & Bolton, 2016: 390 (Afrotropical, Malagasy checklist).

***Probolomyrmex* references:** Emery, 1911d: 52, 53 (*Probolomyrmex*, *Escherichia* diagnoses); Arnold, 1915: 33 (diagnosis); Taylor, 1965d: 352 (diagnosis, **all species revision, key**); Brown, 1975: 7 (diagnosis, review of genus); Ogata, 1987: 104 (diagnosis, Japan); Morisita, *et al.* 1989: 13 (Japan species key); Bolton, 1995a: 1052 (census); Agosti, 1995: 432 (**Neotropical species key**); O'Keefe & Agosti, 1998: 190 (**Neotropical species key**); Shattuck, 1999: 202 (Australia synopsis); Perrault, 2000: 253 (anatomy); Xu & Zeng, 2000: 214 (China species key); Bolton, 2003: 49, 180 (diagnosis, synopsis); Eguchi, Yoshimura & Yamane, 2006: 4 (**Oriental species revision, key**); Sosa-Calvo & Longino, 2008: 233 (**Neotropical species key**); Yoshimura & Fisher, 2009: 12 (Malagasy males diagnosis); Shattuck, *et al.* 2012: 41 (**Australia & Melanesia**

species key); Eguchi, *et al.* 2014: 42 (diagnosis, Vietnam synopsis); Hita Garcia & Fisher, 2014b: 67 (**Madagascar species key**); Baccaro, *et al.* 2015: 348 (genus in Brazil); Fisher & Bolton, 2016: 389 (diagnosis); Oliveira & Feitosa, 2019: 65 (**Neotropical species revision, key**); Escárraga, Longino & Sosa-Calvo, 2019: 684 (Colombia species key).

***PROCERAPACHYS** [Dorylinae]

**Procerapachys* Wheeler, W.M. 1915h: 27. Type-species: **Procerapachys annosus* Wheeler, W.M. 1915h: 28, by original designation.

Taxonomic history

**Procerapachys* in Ponerinae, Cerapachyini: Wheeler, W.M 1915h: 27; Dlussky & Fedoseeva, 1988: 79.

**Procerapachys* in Cerapachyinae, Cerapachyini: Donisthorpe, 1943f: 686; Perkovsky, 2016: 115.

**Procerapachys* in Dorylinae: Brady, *et al.* 2014: 12; Borowiec, M.L. 2016: 205.

**Procerapachys* as junior synonym of *Cerapachys*: Brown, 1975: 19; Ogata, 1987: 129; Dlussky, 1997: 622; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 43; Tang, J., Li, *et al.* 1995: 25; Bolton, 2003: 141.

**Procerapachys* as genus: Donisthorpe, 1943f: 686; Dlussky & Fedoseeva, 1988: 79; Dlussky, 2009: 1073; Borowiec, M.L. 2016: 205; Perkovsky, 2016: 115.

****Procerapachys* catalogues**: Borowiec, M.L. 2016: 208 (species checklist).

****Procerapachys* references**: Dlussky, 2009: 1076 (Baltic amber species, key); Borowiec, M.L. 2016: 205 (diagnosis).

PROCERATIUM [Proceratiinae: Proceratiini]

Proceratium Roger, 1863a: 171. Type-species: *Proceratium silaceum* Roger, 1863a: 172, by monotypy.

Taxonomic history

Proceratium in Ponerinae: Mayr, 1865: 12 [Poneridae]; Dalla Torre, 1893: 18 [Ponerinae].

Proceratium in Ponerinae, Ponerini: Forel, 1895b: 111.

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

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

Proceratium in Ponerinae, Ectatommini: Brown, 1958g: 241; Kempf, 1972a: 211; Smith, D.R. 1979: 1338; Dlussky & Fedoseeva, 1988: 79; Hölldobler & Wilson, 1990: 10; Brandão, 1991: 373; Bolton, 1994: 164.

Proceratium in Ponerinae, Proceratiini: Ashmead, 1905b: 382; Wheeler, W.M. 1910g: 136; Emery, 1911d: 50; Forel, 1917: 236; Wheeler, W.M. 1922a: 645; Wheeler, G.C. & Wheeler, J. 1985: 256; Jaffe, 1993: 8; Lattke, 1994: 112; Bolton, 1995b: 43.

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

Proceratium as genus: all authors.

Proceratium as senior synonym of *Sysphingta*: Mayr, 1886d: 437; Dalla Torre, 1893: 18; Brown, in Borgmeier, 1957: 118; Brown, 1958g: 241; Kempf, 1972a: 211; Bolton, 1973a: 333; Ogata, 1987: 105; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 43; Tang, J., Li, *et al.* 1995: 28; Bolton, 2003: 179.

[**PROCETUM, PROCERATUM**: incorrect subsequent spellings by Santschi, 1912f: 172.]

***Proceratium* catalogues**: Mayr, 1863: 451, 455 (*Proceratium, Sysphingta*); Roger, 1863b: 16, 21 (*Proceratium, Sysphingta*); Cresson, 1887: 258 (U.S.A.); Dalla Torre, 1893: 18; Emery, 1911d:

50 (*Proceratium*, *Sysphingta*); Wheeler, W.M. 1922a: 761 (Afrotropical *Sysphingta*); Chapman & Capco, 1951: 77 (Asia *Proceratium*, *Sysphingta*); Smith, M.R. 1951a: 784 (North America *Proceratium*, *Sysphingta*); Kempf, 1972a: 211 (Neotropical); Smith, D.R. 1979: 1338 (North America); Taylor & Brown, 1985: 39 (Australia); Taylor, 1987a: 65 (Australia); Brandão, 1991: 373 (Neotropical); Bolton, 1995b: 366; Fisher & Bolton, 2016: 392 (Afrotropical, Malagasy checklist).

***Proceratium* references:** Mayr, 1865: 12 (*Sysphingta*, *Proceratium* diagnoses); Emery, 1896a: 101; Emery, 1911d: 50 (*Proceratium*, *Sysphingta* diagnoses); Arnold, 1915: 34 (*Sysphingta* diagnosis); Emery, 1916b: 103 (Italy species key); Kratochvíl, Novák & Šnoflák, 1944: 58, 88 (West Palaearctic species key); Creighton, 1950a: 39 (*Proceratium* **Nearctic species key**: 39; *Sysphingta* **Nearctic species key**: 41); Brown, 1958g: 241 (review of genus); Bernard, 1967: 81 (diagnosis); Snelling, R.R. 1967: 8 (**New World species key**); Brown, 1974a: 81 (species notes); Baroni Urbani, 1977d: 91 (European species, synopsis); Brown, 1980b: 342 (**New World species key**); Terron, 1981: 102 (Afrotropical species notes); Agosti & Collingwood, 1987b: 264 (Balkans species key); Ogata, 1987: 105 (diagnosis, Japan); Ward, 1988: 116 (**New World species key**); Morisita, *et al.* 1989: 14 (Japan species key); Lattke, 1994: 113 (phylogeny); Bolton, 1995a: 1052 (census); Shattuck, 1999: 203 (Australia synopsis); Xu, 2000c: 434 (China species key); Onoyama & Yoshimura, 2002: 31 (Japan species key); Bolton, 2003: 179 (synopsis); Baroni Urbani & De Andrade, 2003b: 40 (diagnosis, **all species revision**; **Palaearctic species key**: 445; **Indomalayan species key**: 447; **Oceanian species key**: 449; **Afrotropical species key**: 451; **Nearctic and Neotropical species key**: 452; **world species key**: 456); Xu, 2006: 153 (China species key); Sosa-Calvo & Longino, 2008: 228 (**Neotropical species key**); Yoshimura & Fisher, 2009: 13 (Malagasy males diagnosis); Terayama, 2009: 97 (Taiwan species key); Sarnat & Economo, 2012: 166 (Fiji Is species key); Eguchi, *et al.* 2014: 43 (diagnosis, Vietnam synopsis); Hita Garcia, Hawkes & Alpert, 2014: 55 (Afrotropical *P. arnoldi* group key); Hita Garcia, *et al.* 2015: 101 (Fiji Is species key); Baccaro, *et al.* 2015: 346 (genus in Brazil); Liu, Fischer & Economo, 2015: 38 (Pacific Oceanic Islands species key); Fisher & Bolton, 2016: 390 (diagnosis); Staab, *et al.* 2018: 144 (China species key); Escárraga, Longino & Sosa-Calvo, 2019: 688 (Colombia species key); Fernandes, Delabie & Fernández, 2019: 556 (*P. micrommatum* clade species key).

PROCRYPTOCERUS [Myrmicinae: Attini]

Procryptocerus Emery, 1887b: 470 (footnote). Type-species: *Meranoplus striatus* Smith, F. 1860c: 77, by subsequent designation of Wheeler, W.M. 1911f: 171.

Taxonomic history

Procryptocerus in Myrmicinae: Dalla Torre, 1893: 139 [Myrmicinae].

Procryptocerus in Cryptoceridae, Cryptocerinae: Ashmead, 1905b: 384.

Procryptocerus in Myrmicinae, Cryptocerini: Forel, 1892d: 345; Forel, 1893a: 164; Forel, 1895b: 132; Emery, 1895j: 771; Emery, 1896e: 180; Forel, 1899c: 43; Wheeler, W.M. 1910g: 141; Emery, 1914a: 42; Forel, 1917: 246; Wheeler, W.M. 1922a: 665; Emery, 1924d: 300; subsequent authors; Dlussky & Fedoseeva, 1988: 79.

Procryptocerus in Myrmicinae, Cephalotini: Kempf, 1951: 14; Kempf, 1972a: 211; Brandão, 1991: 373; Bolton, 1995b: 43; Bolton, 2003: 56, 196.

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

Procryptocerus as genus: all authors.

***Procryptocerus* catalogues:** Dalla Torre, 1893: 139; Emery, 1924d: 300; Kempf, 1972a: 211; Brandão, 1991: 373; Bolton, 1995b: 367.

***Procryptocerus* references:** Mayr, 1870a: 413 (Colombia + Panama (= New Grenada) species key (as *Cataulacus*)); Emery, 1924d: 300 (diagnosis); Kempf, 1951: 15 (diagnosis, **all species revision, key**); Bolton, 1994: 105 (synoptic classification); Longino & Snelling, 2002: 4 (Central America species key); Serna & Mackay, 2010: 7 (morphology); Serna, *et al.* 2011: 67 (venation); Baccaro, *et al.* 2015: 254 (genus in Brazil); Fernández & Serna, 2019: 868 (Colombia fauna); Serna, Mackay & Vergara-Navarro, 2019: 1058 (Colombia species key).

PRODICROASPIS [junior synonym of *Lordomyrma*]

Prodicroaspis Emery, 1914f: 414. Type-species: *Prodicroaspis sarasini* Emery, 1914f: 414, by monotypy.

Taxonomic history

[*Prodicroaspis* Emery, 1914a: 41 (in list). *Nomen nudum.*]

Prodicroaspis in Myrmicinae, Meranoplinae: Emery, 1914a: 41; Forel, 1917: 244; Wheeler, W.M. 1922a: 664; Emery, 1924d: 223; Wheeler, W.M. 1934a: 176; Wheeler, W.M. 1935a: 6 (in key); subsequent authors.

Prodicroaspis in Myrmicinae, Calyptomyrmecini: Dlussky & Fedoseeva, 1988: 80.

Prodicroaspis as genus: Forel, 1917: 244; Wheeler, W.M. 1922a: 664; Emery, 1924d: 223; Wheeler, W.M. 1934a: 176; Wheeler, W.M. 1935a: 6 (in key); Donisthorpe, 1943f: 687; Dlussky & Fedoseeva, 1988: 80.

Prodicroaspis as junior synonym of *Lordomyrma*: Hölldobler & Wilson, 1990: 14; Bolton, 1994: 106; Bolton, 1995b: 43; Bolton, 2003: 204; Taylor, 2009: 16.

***PRODIMORPHOMYRMEX** [Formicinae: Gesomyrmecini]

****Prodimorphomyrmex*** Wheeler, W.M. 1915h: 111. Type-species: **Prodimorphomyrmex primigenius* Wheeler, W.M. 1915h: 112, by monotypy.

Taxonomic history

****Prodimorphomyrmex*** in Camponotinae, Gesomyrmecini: Wheeler, W.M. 1915h: 111.

****Prodimorphomyrmex*** in Formicinae, Brachomyrmecini: Wheeler, W.M. 1929a: 12.

****Prodimorphomyrmex incertae sedis*** in Gesomyrmecini: Bolton, 2003: 24, 109.

****Prodimorphomyrmex*** in Formicinae, Gesomyrmecini: Donisthorpe, 1943f: 687; Dlussky & Fedoseeva, 1988: 77 [Gesomyrmini]; Hölldobler & Wilson, 1990: 17; Bolton, 1994: 50; Bolton, 1995b: 43; Ward, Blaimer & Fisher, 2016: 347.

****Prodimorphomyrmex*** as genus: all authors.

****Prodimorphomyrmex* references:** Dlussky, 1997: 53 (in Baltic amber genera key).

PRODISCOTHYREA [junior synonym of *Discothyrea*]

Prodiscothyrea Wheeler, W.M. 1916i: 33. Type-species: *Prodiscothyrea velutina* Wheeler, W.M. 1916i: 34, by monotypy.

Taxonomic history

Prodiscothyrea in Ponerinae, Proceratiini: Wheeler, W.M. 1916i: 36; Wheeler, W.M. 1922a: 645; Donisthorpe, 1943f: 687; Chapman & Capco, 1951: 77.

Prodiscothyrea as genus: Wheeler, W.M. 1922a: 645; Donisthorpe, 1943f: 687; Chapman & Capco, 1951: 77.

Prodiscothyrea as junior synonym of *Discothyrea*: Brown, 1958g: 248; Bolton, 1973a: 332; Ogata, 1987: 107; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 43; Bolton, 2003: 179; Hita Garcia, Lieberman, *et al.* 2019: 8.

PROFORMICA [Formicinae: Formicini]

Proformica Ruzsky, 1902d: 13 [as subgenus of *Formica*]. Type-species: *Formica nasuta* Nylander, 1856b: 66, by monotypy.

Taxonomic history

[*Proformica* also described as new by Ruzsky, 1903b: 303.]

Proformica in Formicinae, Lasiini: Ashmead, 1905b: 384.

Proformica in Camponotinae, Formicini: Forel, 1917: 250.

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

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

Proformica in Formicinae, Formicini: Bondroit, 1918: 40; Wheeler, W.M. 1922a: 699; Emery, 1925b: 242; subsequent authors; Bolton, 1995b: 43; Bolton, 2003: 28, 130; Ward, Blaimer & Fisher, 2016: 346.

Proformica as subgenus of *Formica*: Ruzsky, 1902d: 13; Forel, 1904b: 384; Emery, 1909b: 180; Wheeler, W.M. 1910g: 143; Forel, 1917: 250; Wheeler, W.M. 1922a: 699; Emery, 1925b: 242; Donisthorpe, 1943f: 687; Creighton, 1950a: 457.

Proformica as genus: Ashmead: 1905b: 384; Bondroit, 1918: 40; Kuznetsov-Ugamsky, 1927b: 26; Kuznetsov-Ugamsky, 1928a: 7; Dlussky, 1969a: 218; subsequent authors; Bolton, 1995b: 43; Bolton, 2003: 28, 130.

***Proformica* catalogues:** Emery, 1925b: 242 (*Formica (Proformica)*); Bolton, 1995b:368.

***Proformica* references:** Emery, 1909b: 180 (Palaeartic species key)Emery, 1925b: 242 (*Formica (Proformica)* diagnosis); Kuznetsov-Ugamsky, 1927b: 28 (Kazakhstan, Kyrgyzstan, Uzbekistan species key); Kuznetsov-Ugamsky, 1928a: 7 (central Asia species key); Bernard, 1967: 282 (diagnosis, Western Europe species key); Dlussky, 1969a: 231 (Russia and contiguous countries, key); Tarbinsky, 1976: 165 (Kyrgyzstan species key); Collingwood, 1978: 92 (Iberian Peninsula species key); Agosti & Collingwood, 1987b: 287 (Balkans species key); Atanasov & Dlussky, 1992: 287 (Bulgaria species key); Agosti, 1994a: 112 (diagnosis, review of genus); Radchenko, 1994b: 115 (South Siberia species key); Arakelian, 1994: 109 (Armenia species key); Bolton, 1995a: 1052 (census); Collingwood & Prince, 1998: 27 (Portugal species key); Wu, J. & Wang, 1995: 148 (China species key); Bolton, 2003: 130 (synopsis); Dubovikoff, 2005b: 190 (Caucasian Isthmus species key).

***PROIRIDOMYRMEX** [*incertae sedis* in Dolichoderinae]

****Proiridomyrmex*** Dlussky & Rasnitsyn, 2002: 416. Type-species: **Proiridomyrmex vetulus* Dlussky & Rasnitsyn, 2002: 416, by original designation.

Taxonomic history

****Proiridomyrmex*** in Dolichoderinae: Dlussky & Rasnitsyn, 2002: 416.

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

PROLASIUS [Formicinae: Melophorini]

Prolasius Forel, 1892c: 331 [as subgenus of *Lasius*]. Type-species: *Formica advena* Smith, F. 1862c: 53, by monotypy.

Taxonomic history

Prolasius in Camponotinae: Forel, 1892c: 331 [Camponotidae].
Prolasius in Camponotinae, Melophorini: Forel, 1917: 248.
Prolasius in Formicinae, *Lasius* genus group: Agosti, 1991: 296.
Prolasius in Formicinae, Lasiini: Bolton, 2003: 22, 99.
Prolasius in Formicinae, Melophorini: Wheeler, W.M. 1922a: 695; Emery, 1925b: 13; Wheeler, W.M. 1935c: 71; Donisthorpe, 1943f: 687; McAreavey, 1947: 9; subsequent authors; Hölldobler & Wilson, 1990: 17; Bolton, 1995b: 44; Ward, Blaimer & Fisher, 2016: 347.
Prolasius as subgenus of *Lasius*: Forel, 1892c: 331; Dalla Torre, 1893: 181; Wheeler, W.M. 1910g: 143;
Prolasius as subgenus of *Melophorus*: Forel, 1917: 248; Emery, 1925b: 13; Donisthorpe, 1943f: 687.
Prolasius as genus: Wheeler, W.M. 1922a: 695; Clark, 1934c: 66; Wheeler, W.M. 1935c: 71; McAreavey, 1947: 9; Taylor & Brown, 1985: 142; Taylor, 1987a: 65; Hölldobler & Wilson, 1990: 17; Bolton, 1995b: 44; Shattuck, 1999: 110; Bolton, 2003: 22, 99; Heterick, 2009: 111.
***Prolasius* catalogues:** Dalla Torre, 1893: 181 (as part of *Lasius*); Emery, 1925b: 13 (*Melophorus* (*Prolasius*)); Taylor & Brown, 1985: 142 (Australia); Taylor, 1987a: 65 (Australia, New Zealand); Bolton, 1995b: 368.
***Prolasius* references:** Emery, 1925b: 13 (*Melophorus* (*Prolasius*) diagnosis); McAreavey, 1947: 9 (diagnosis, **all species key**); Shattuck, 1999: 110 (Australia synopsis); Heterick, 2009: 111 (south-western Australia species key).

***PROLEPTOTHORAX** [Myrmicinae: Crematogastrini]

**Proleptothorax* Radchenko, Dlussky & Perfilieva, 2018: 113. Type-species: **Proleptothorax primitivus* Radchenko, Dlussky & Perfilieva, 2018: 113, by original designation.

Taxonomic history

**Proleptothorax* in Myrmicinae: Radchenko, Dlussky & Perfilieva, 2018: 113.

**Proleptothorax* in Myrmicinae, Crematogastrini [by implication as all related genera are of this tribe].

PROMERANOPLUS [junior synonym of *Lordomyrma*]

Promeranoplus Emery, 1914f: 412. Type-species: *Promeranoplus rouxi* Emery, 1914f: 413, by monotypy.

Taxonomic history

[*Promeranoplus* Emery, 1914a: 41 (in list). *Nomen nudum*.]

Promeranoplus in Myrmicinae, Meranoplini: Emery, 1914a: 41; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 225; Wheeler, W.M. 1934a: 176; Wheeler, W.M. 1935a: 6 (in key); subsequent authors.

Promeranoplus in Myrmicinae, Calyptomyrmeini: Dlussky & Fedoseeva, 1988: 80.

Promeranoplus as genus: Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 225; Wheeler, W.M. 1934a: 176; Wheeler, W.M. 1935a: 6 (in key); Dlussky & Fedoseeva, 1988: 80.

Promeranoplus as junior synonym of *Lordomyrma*: Hölldobler & Wilson, 1990: 14; Bolton, 1994: 106; Bolton, 1995b: 44; Bolton, 2003: 204; Taylor, 2009: 17.

PROMYOPIAS [Ponerinae: Ponerini]

Promyopias Santschi, 1914d: 323 [as subgenus of *Myopias*]. Type-species: *Myopias (Promyopias) silvestrii* Santschi, 1914d: 324, by monotypy.

Taxonomic history

Promyopias in Ponerinae, Ponerini: Forel, 1917: 238 [subtribe Plectroctenini]; Wheeler, W.M. 1922a: 649; Santschi, 1924a: 158; subsequent authors; Bolton & Fisher, 2008c: 2; in Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 129.

Promyopias as subgenus of *Myopias*: Santschi, 1914d: 323; Forel, 1917: 238; Donisthorpe, 1943f: 687.

Promyopias as subgenus of *Pseudoponera*: Wheeler, W.M. 1922a: 649 (in key).

Promyopias as junior synonym of *Centromyrmex*: Brown, 1973b: 184 [provisional]; Hölldobler & Wilson, 1990: 11; Bolton, 1994: 164; Bolton, 1995b: 44; Tang, J., Li, *et al.* 1995: 33; Bolton, 2003: 160.

Promyopias as genus: Emery, 1915g: 26; Emery, 1919c: 106 (in text); Santschi, 1924a: 158; Brown, 1963: 10; Bolton, 1973a: 339; Bolton & Fisher, 2008c: 28; Schmidt, C.A. & Shattuck, 2014: 129.

***Promyopias* catalogues:** Wheeler, W.M. 1922a: 779 (*Pseudoponera (Promyopias)*); Schmidt, C.A. & Shattuck, 2014: 131 (species checklist); Fisher & Bolton, 2016: 394 (checklist).

***Promyopias* references:** Bolton & Fisher, 2008c: 28 (diagnosis, revision); Schmidt, C.A. & Shattuck, 2014: 129 (diagnosis, synopsis); Fisher & Bolton, 2016: 392 (diagnosis).

PROMYRMA [junior synonym of *Liomyrmex*]

Promyrma Forel, 1912m: 764. Type-species: *Promyrma butteli* Forel, 1912m: 764 (junior synonym of *Laparomyrmex gestroi* Emery, 1887b: 461), by monotypy.

Taxonomic history

Promyrma as junior synonym of *Liomyrmex*: Forel, 1913k: 26; Emery, 1921f: 191; Wheeler, W.M. 1922a: 683 (in key); subsequent authors; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 44; Rigato & Bolton, 2001: 248; Bolton, 2003: 241.

PROMYRMECIA [junior synonym of *Myrmecia*]

Promyrmecia Emery, 1911d: 19 [as subgenus of *Myrmecia*]. Type-species: *Myrmecia aberrans* Forel, 1900b: 54, by original designation.

Taxonomic history

Promyrmecia in Ponerinae, Myrmeciini: Emery, 1911d: 19.

Promyrmecia as subgenus of *Myrmecia*: Forel, 1917: 235; Wheeler, W.M. 1922a: 640; Clark, 1927: 37; Donisthorpe, 1943f: 688.

Promyrmecia as genus: Clark, 1943: 84; Clark, 1951: 119.

Promyrmecia as junior synonym of *Myrmecia*: Brown, 1953j: 1; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 44; Bolton, 2003: 132.

***PROMYRMICIUM** [Ichneumonidae]

****Promyrmicium*** Baroni Urbani, 1971b: 362.

Taxonomic history

[Replacement name for **Myrmicium* Heer, 1870: 78; junior homonym of **Myrmicium* Westwood, 1854: 396.]

**Promyrmicium* in Myrmicinae: Baroni Urbani, 1971b: 362; Bolton, 1994: 106.

**Promyrmecium incertae sedis* in Formicidae: Hölldobler & Wilson, 1990: 19; Bolton, 1995b: 44 (error).

Promyrmecium* **excluded from Formicidae: transferred to **Ichneumonidae** by Birket-Smith, 1977: 8; Bolton, 2003: 264.

***PROPALOSOMA** [Myrmeciinae]

**Propalosoma* Dlussky & Rasnitsyn, 1999: 72. Type-species: **Propalosoma gutierrezae* Dlussky & Rasnitsyn, 1999: 72, by original designation.

Taxonomic history

**Propalosoma* in family Rhopalosomatidae: Dlussky & Rasnitsyn, 1999: 72.

**Propalosoma* in Formicidae, Myrmeciinae: Archibald, *et al.* 2018: 226.

PROPODILOBUS [Myrmicinae: Crematogastrini]

Propodilobus Branstetter, 2009: 54. Type-species: *Stenamma pingorum* DuBois, 2000: 40 (replacement name for *Stenamma orientale* DuBois, 1998b: 308, junior primary homonym in *Stenamma*), by original designation.

Taxonomic history

Propodilobus incertae sedis in Myrmicinae, Stenammini: Branstetter, 2009: 54.

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

***PROPODOMYRMA** [junior synonym of *Vollenhovia*]

**Propodomyrma* Wheeler, W.M. 1910g: 163 (by indication). Type-species: **Propodomyrma samlandica* Wheeler, W.M. 1910g: 163 (junior synonym of **Macromischa beyrichi* Mayr, 1868b: 84), by monotypy.

Taxonomic history

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

**Propodomyrma* as junior synonym of *Vollenhovia*: Wheeler, W.M. 1915h: 51; Emery, 1922e: 163; Donisthorpe, 1943f: 688; Hölldobler & Wilson, 1990: 16; Bolton, 1995b: 44; Tang, J., Li, *et al.* 1995: 63; Bolton, 2003: 206.

PROSCOPOMYRMEX [junior synonym of *Strumigenys*]

Proscopomyrmex Patrizi, 1946: 294. Type-species: *Proscopomyrmex londianensis* Patrizi, 1946: 295, by monotypy.

Taxonomic history

Proscopomyrmex in Myrmicinae, Dacetini: Patrizi, 1946: 294 [Dacetonini].

Proscopomyrmex 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: 44; Tang, J., Li, *et al.* 1995: 84; Bolton, 1999: 1673; Bolton, 2000: 492; Bolton, 2003: 191; Baroni Urbani & De Andrade, 2007: 101.

PROSOPIDRIS [junior synonym of *Cardiocondyla*]

Prosopidris Wheeler, W.M. 1935b: 40 [as subgenus of *Cardiocondyla*]. Type-species: *Cardiocondyla (Prosopidris) sima* Wheeler, W.M. 1935b: 41, by original designation.

Taxonomic history

Prosopidris in Myrmicinae, Cardiocondylini: Donisthorpe, 1943f: 688.

Prosopidris as subgenus of *Cardiocondyla*: Donisthorpe, 1943f: 688.

Prosopidris as genus: Reiskind, 1965: 80.

Prosopidris as junior synonym of *Cardiocondyla*: Brown, 1973b: 184 [provisional]; Smith, D.R. 1979: 1375; Bolton, 1982: 309; Hölldobler & Wilson, 1990: 12; Ogata, 1991b: 97; Bolton, 1995b: 44; Bolton, 2003: 245.

PROTALARIDRIS [Myrmicinae: Attini]

Protalaridris Brown, 1980a: 36. Type-species: *Protalaridris armata* Brown, 1980a: 37, by original designation.

Taxonomic history

Protalaridris in Myrmicinae, Basicerotini: Brown, 1980a: 36; subsequent authors; Brandão, 1991: 372; Bolton, 1994: 105; Bolton, 1995b: 44; Bolton, 1998: 67; Bolton, 2003: 54, 184.

Protalaridris in Myrmicinae, Dacetini: Baroni Urbani & De Andrade, 1994: 32; Baroni Urbani & De Andrade, 2007: 88.

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

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

Protalaridris as genus: Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 44; Bolton, 2003: 54, 184; Ward, *et al.* 2015: 77; Lattke, Delsinne, *et al.* 2018: 271.

***Protalaridris* catalogue:** Bolton, 1995b: 369.

***Protalaridris* references:** Lattke, Delsinne, *et al.* 2018: 270 (all species revision, key); Fernández & Serna, 2019: 870 (Colombia species key).

PROTAMBLYOPONE [junior synonym of *Amblyopone*]

Protamblyopone Wheeler, W.M. 1927c: 1 [as subgenus of *Amblyopone*]. Type-species: *Amblyopone aberrans* Wheeler, W.M. 1927c: 26, by monotypy.

Taxonomic history

Protamblyopone as junior synonym of *Amblyopone*: Brown, 1949c: 87; Brown, 1960a: 155; Bolton, 1973a: 330; Smith, D.R. 1979: 1334; Ogata, 1987: 103; Hölldobler & Wilson, 1990: 9; Bolton, 1995b: 44; Tang, J., Li, *et al.* 1995: 24; Bolton, 2003: 154.

***PROTAMBLYOPONE** [junior homonym, replaced by **Casaleia*]

****Protamblyopone*** Dlussky, 1981b: 65. Type-species: **Protamblyopone inversa* Dlussky, 1981b: 65, by original designation.

Taxonomic history

[Junior homonym of *Protamblyopone* Wheeler, W.M. 1927c: 1 (Formicidae).]

****Protamblyopone*** in Ponerinae, Amblyoponini: Dlussky, 1981b: 65; Hölldobler & Wilson, 1990: 10.

****Protamblyopone*** as genus: Hölldobler & Wilson, 1990: 10.

****Casaleia*** Pagliano & Scaramozzino, 1990: 5, **replacement name** for **Protamblyopone* Dlussky.

***PROTANEURETUS** [Aneuretinae]

****Protaneuretus*** Wheeler, W.M. 1915h: 71. Type-species: **Protaneuretus succineus* Wheeler, W.M. 1915h: 72, by monotypy.

Taxonomic history

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

[**Protaneuretus* Wheeler, W.M. 1910g: 148. *Nomen nudum*.]

[**Protaneuretus* Emery, 1913a: 2. *Nomen nudum* (attributed to Wheeler, W.M.).]

**Protaneuretus* in Dolichoderinae, Aneuretini: Wheeler, W.M. 1915h: 71; Donisthorpe, 1943f: 688.

**Protaneuretus* in Aneuretinae, Aneuretini: Wilson, Eisner, *et al.* 1956: 93 (footnote); Snelling, R.R. 1981: 400; Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 17; Bolton, 1994: 15; Bolton, 1995b: 44; Bolton, 2003: 18, 80.

**Protaneuretus* as genus: all authors.

****Protaneuretus* catalogues:** Shattuck, 1994: 2; Bolton, 1995b: 369.

****Protaneuretus* references:** Dlussky, 1997: 53 (in Baltic amber genera key).

PROTANILLA [Leptanillinae: Anomalomyrmini]

Protanilla Taylor, in Bolton, 1990b: 279. Type-species: *Protanilla rafflesii* Taylor, in Bolton, 1990b: 279, by original designation.

Taxonomic history

Protanilla in Leptanillinae: Anomalomyrmini: Bolton, 1990b: 279; Hölldobler & Wilson, 1990: 12; Kugler, C. 1992: 107; Bolton, 1994: 70; Bolton, 1995b: 44; Bolton, 2003: 40, 152.

Protanilla as genus: all authors.

Protanilla as senior synonym of *Furcotanilla*: Hsu, P. *et al.* 2017: 119, 128.

***Protanilla* catalogues:** Bolton, 1995b: 369.

***Protanilla* references:** Xu, 2002a: 118 (China species key); Xu & Zhang, 2002: 140 (China species key); Borowiec, *et al.* 2011: 10 (diagnosis); Xu, 2012c: 483 (**all species key**); Eguchi, *et al.* 2014: 22 (diagnosis, Vietnam synopsis); Bharti & Akbar, 2015: 575 (**all species key**); Man, *et al.* 2017: 8 (**all species key**); Hsu, P. *et al.* 2017: 129 (**all species key**).

***PROTAZTECA** [*incertae sedis* in Dolichoderinae]

****Protazteca*** Carpenter, 1930: 41. Type-species: **Protazteca elongata* Carpenter, 1930: 43, by original designation.

Taxonomic history

****Protazteca*** in Dolichoderinae, Tapinomini: Carpenter, 1930: 41; Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 17.

****Protazteca*** in Dolichoderinae, Dolichoderini: Shattuck, 1994: 139; Bolton, 1994: 26; Bolton, 1995b: 44; Bolton, 2003: 19, 91.

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

****Protazteca*** as genus: all authors.

****Protazteca* catalogues:** Shattuck, 1994: 139; Bolton, 1995b: 369.

PROTHOLCOMYRMEX [junior synonym of *Monomorium*]

Protholcomyrmex Wheeler, W.M. 1922a: 162 (in text) [as subgenus of *Monomorium*]. Type-species: *Monomorium rothsteini* Forel, 1902h: 444, by original designation.

Taxonomic history

Protholcomyrmex as junior synonym of *Chelaner*: Ettershank, 1966: 93.

Protholcomyrmex as junior synonym of *Monomorium*: Bolton, 1987: 287, 300; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 105; Bolton, 1995b: 44; Tang, J., Li, *et al.* 1995: 68; Bolton, 2003: 213.

***PROTCERATOMYRMEX** [*Haidomyrmecinae]

**Protoceratomyrmex* Perrichot, Wang & Barden, 2020: 12. Type-species: **Protoceratomyrmex revelatus* Perrichot, Wang & Barden, 2020: 12, by original designation.

Taxonomic history

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

***PROTOFORMICA** [Formicinae: Formicini]

**Protoformica* Dlussky, 1967b: 83 [as subgenus of *Formica*]. Type-species: **Formica (Protoformica) proformicoides* Dlussky, 1967b: 85, by original designation.

Taxonomic history

**Protoformica* in Formicinae, Formicini: Dlussky & Fedoseeva, 1988: 77; Bolton, 1994: 50; Bolton, 1995b: 44; Ward, Blaimer & Fisher, 2016: 346.

**Protoformica* as genus: Dlussky & Fedoseeva, 1988: 77; Bolton, 1994: 50; Bolton, 1995b: 44; Bolton, 2003: 28, 130; Ward, Blaimer & Fisher, 2016: 346.

**Protoformica* catalogue: Bolton, 1995b: 369.

**Protoformica* references: Dlussky, 1997: 55 (in Baltic amber genera key); Dlussky, 2008a: 56 (diagnosis).

PROTOMOGNATHUS [junior synonym of *Temnothorax*]

Protomognathus Wheeler, W.M. 1905a: 3 [as subgenus of *Tomognathus*]. Type-species: *Tomognathus americanus* Emery, 1895c: 272, by monotypy.

Taxonomic history

Protomognathus in Myrmicinae, Lepto thoracini: Donisthorpe, 1943f: 688.

Protomognathus in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 44; Bolton, 2003: 70, 251.

Protomognathus as junior synonym of *Harpagoxenus*: Emery, 1924d: 265; Donisthorpe, 1943f: 688; Smith, D.R. 1979: 1398.

Protomognathus as genus: Cover, in Hölldobler & Wilson, 1990: 65; Bolton, 1995b: 44, 369; Bolton, 2003: 70, 251.

Protomognathus as junior synonym of *Temnothorax*: Ward, *et al.* 2015: 75.

[Note: some authors would prefer to retain *Protomognathus* as a paraphyletic genus: Seifert, Buschinger, *et al.* 2016: 237. The compiler of this catalogue emphatically supports monophyly, in agreement with Ward, Brady, *et al.* 2016: 489.]

***PROTOMYRMICA** [Myrmicinae: Myrmicini]

**Protomyrmica* Dlussky & Radchenko, 2009: 436. Type-species: **Protomyrmica atavia* Dlussky & Radchenko, 2009: 437, by original designation.

Taxonomic history

**Protomyrmica* in Myrmicinae, Myrmicini: Dlussky & Radchenko, 2009: 436; Ward, *et al.* 2015: 76.

***PROTOPONE** [*incertae sedis* in Ponerinae]

**Protopone* Dlussky, 1988: 52. Type-species: **Protopone primigena* Dlussky, 1988: 53, by original designation.

Taxonomic history

**Protopone* in Ponerinae: Dlussky, 1988: 52.

**Protopone* in Ponerinae, Ponerini: Dlussky & Fedoseeva, 1988: 78; Bolton, 1994: 164; Bolton, 1995b: 44, 369; Bolton, 2003: 44, 172.

**Protopone* as genus: all authors.

****Protopone* references:** Dlussky & Wedmann, 2012: 746 (Germany Eocene fossils key).

****PROTRECHINA*** [*incertae sedis* in Formicinae]

****Protrechina*** Wilson, 1985d: 211. Type-species: **Protrechina carpenteri* Wilson, 1985d: 213, by original designation.

Taxonomic history

**Protrechina* in Formicinae, Prenolepidini: Hölldobler & Wilson, 1990: 18.

**Protrechina* in Formicinae, Lasiini: Bolton, 1994: 50, Bolton, 1995b: 44, 369.

**Protrechina incertae sedis* in Formicinae: Wilson, 1985d: 211; Dlussky & Fedoseeva, 1988: 77; Bolton, 2003: 28, 131; Ward, Blaimer & Fisher, 2016: 349.

**Protrechina* as genus: all authors.

PSALIDOMYRMEX [Ponerinae: Ponerini]

Psalidomyrmex André, 1890: 313. Type-species: *Psalidomyrmex foveolatus* André, 1890: 314, by monotypy.

Taxonomic history

Psalidomyrmex in Ponerinae: Dalla Torre, 1893: 31 [Ponerinae]; Emery, 1896e: 179 [Ponerinae].

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

Psalidomyrmex in Ponerinae, Ponerini: Emery, 1895j: 767; Wheeler, W.M. 1910g: 135; Emery, 1911d: 95 [subtribe Plectroctenini]; Forel, 1917: 238 [subtribe Plectroctenini]; Wheeler, W.M. 1922a: 650; subsequent authors; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 44; Bolton, 2003: 44, 170; in Ponerini, *Plectroctena* genus group: Bolton & Brown, 2002: 2; Schmidt, C.A. & Shattuck, 2014: 177.

Psalidomyrmex as genus: all authors.

***Psalidomyrmex* catalogues:** Dalla Torre, 1893: 31; Emery, 1911d: 95; Wheeler, W.M. 1922a: 785; Bolton, 1995b: 369; Schmidt, C.A. & Shattuck, 2014: 179 (species checklist); Fisher & Bolton, 2016: 396 (checklist).

***Psalidomyrmex* references:** Emery, 1911d: 95 (diagnosis); Wheeler, W.M. 1922a: 89, 90 (diagnosis, **all species key**); Bolton, 1973a: 339 (diagnosis); Bolton, 1975b: 5 (diagnosis, **all species revision, key**); Bolton, 1994: 164 (synoptic classification); Bolton & Brown, 2002: 8 (**all species key**); Bolton, 2003: 170 (synopsis); Schmidt, C.A. & Shattuck, 2014: 177 (diagnosis, synopsis); Fisher & Bolton, 2016: 394 (diagnosis).

PSAMMOMYRMA [junior synonym of *Dorymyrmex*]

Psammomyrma Forel, 1912h: 43 [as subgenus of *Dorymyrmex*]. Type-species: *Dorymyrmex planidens* Mayr, 1868a: 165, by subsequent designation of Wheeler, W.M. 1913a: 82.

Taxonomic history

Psammomyrma as subgenus of *Dorymyrmex*: Forel, 1912h: 43; Donisthorpe, 1943g: 721; Kusnezov, 1959: 51; Kempf, 1972a: 100.

Psammomyrma as junior synonym of *Dorymyrmex*: 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: 44; Bolton, 2003: 86.

PSEUDACANTHOLEPIS [unavailable name]

Pseudacantholepis Bernard, 1953b: 256 (attributed to Santschi) [as subgenus of *Acantholepis*].
Unavailable name.

Taxonomic history

[Unavailable name (proposed without designation of type-species). Taxa included by Bernard, 1953b, are referable to *Lepisiota* (Bolton, 1995b: 44).]

PSEUDAPHOMOMYRMEX [junior synonym of *Tapinoma*]

Pseudaphomomyrmex Wheeler, W.M. 1920: 53. Type-species: *Aphomyrmex* [sic] *emeryi* Ashmead, 1905a: 111, by original designation.

Taxonomic history

Pseudaphomomyrmex in Formicinae, Dimorphomyrmecini: Donisthorpe, 1943g: 721.

Pseudaphomomyrmex incertae sedis in Formicinae: Dlussky & Fedoseeva, 1988: 77.

Pseudaphomomyrmex in Formicinae, Myrmelachistini: Hölldobler & Wilson, 1990: 18.

Pseudaphomomyrmex in Formicinae, Brachymyrmecini: Bolton, 1994: 50; Bolton, 1995b: 44.

Pseudaphomomyrmex in Formicinae, Plagirolepidini: Wheeler, W.M. 1922a: 695; Chapman & Capco, 1951: 214; Wheeler, G.C. & Wheeler, J. 1985: 258; Bolton, 2003: 23, 106.

Pseudaphomomyrmex in Dolichoderinae: LaPolla & Longino, 2006: 305; Fisher & Bolton, 2007: 66.

Pseudaphomomyrmex as junior synonym of *Aphomyrmex*: Emery, 1925b: 44; Donisthorpe, 1943g: 721.

Pseudaphomomyrmex as genus: Wheeler, W.M. 1920: 53; Chapman & Capco, 1951: 214; Hölldobler & Wilson, 1990: 18; Bolton, 1994: 50; Bolton, 1995b: 44, 369; Bolton, 2003: 23, 106.

Pseudaphomomyrmex as junior synonym of *Tapinoma*: Fisher & Bolton, 2007: 66.

***PSEUDARMANIA** [*Sphecomyrminae: *Sphecomyrmini]

**Pseudarmania* Dlussky, 1983: 69. Type-species: **Pseudarmania rasnitsyni* Dlussky, 1983: 69, by original designation.

Taxonomic history

**Pseudarmania* in **Armaniidae*: Dlussky, 1983: 67; Dlussky & Fedoseeva, 1988: 77; Grimaldi, *et al.* 1997: 7.

**Pseudarmania* in **Armaniinae*, **Armaniini*: Bolton, 1994: 187; Bolton, 1995b: 44; Bolton, 2003: 74, 260.

**Pseudarmania* in **Sphecomyrminae*: Wilson, 1987: 49.

**Pseudarmania* in **Sphecomyrminae*, **Sphecomyrmini*: Borysenko, 2017: 15, 17.

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

**Pseudarmania* as genus: Dlussky, 1983: 69; Dlussky & Fedoseeva, 1988: 77; Carpenter, 1992: 494; Bolton, 1995b: 44; Grimaldi, *et al.* 1997: 7; Bolton, 2003: 74, 260; Borysenko, 2017: 15, 17.

[**PSEUDOARMANIA*: incorrect subsequent spelling by Carpenter, 1992: 494.]

**Pseudarmania catalogues*: Bolton, 1995b: 369.

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

***PSEUDECTATOMMA** [Ectatomminae]

**Pseudectatomma* Dlussky & Wedman, 2012: 728. Type-species: **Pseudectatomma eocenica* Dlussky & Wedmann, 2012: 729, by original designation.

Taxonomic history

**Pseudectatomma* in Ectatomminae: Dlussky & Wedman, 2012: 728.

PSEUDOATTA [Myrmicinae: Attini]

Pseudoatta Gallardo, 1916d: 320. Type-species: *Pseudoatta argentina* Gallardo, 1916d: 321, by monotypy.

Taxonomic history

Pseudoatta in Myrmicinae, Attini: Emery, 1924d: 346; subsequent authors; Bolton, 2003: 57, 200; Ward, *et al.* 2015: 77.

Pseudoatta as junior synonym of *Acromyrmex*: Brown, 1973b: 184 [provisional]; Hölldobler & Wilson, 1990: 12.

Pseudoatta as genus: Emery, 1924d: 346; Bruch, 1928: 341; Gallardo, 1929: 197; Wheeler, W.M. 1937c: 52; Kusnezov, 1953b: 338; Kutter, 1968b: 205; Kempf, 1972a: 214; Bolton, 1995b: 44; Bolton, 2003: 57, 200; Ward, *et al.* 2015: 77.

Pseudoatta catalogues: Emery, 1924d: 346; Kempf, 1972a: 214; Bolton, 1995b: 369.

Pseudoatta references: Emery, 1924d: 346 (diagnosis).

***PSEUDOCAMPONOTUS** [Formicinae: Camponotini]

**Pseudocamponotus* Carpenter, 1930: 22. Type-species: **Pseudocamponotus elkoanus* Carpenter, 1930: 22, by original designation.

Taxonomic history

**Pseudocamponotus* in Formicinae, Camponotini: Carpenter, 1930: 22; Dlussky & Fedoseeva, 1988: 77; Hölldobler & Wilson, 1990: 19; Bolton, 1994: 50; Bolton, 1995b: 44; Bolton, 2003: 27, 125; Ward, Blaimer & Fisher, 2016: 345.

**Pseudocamponotus* as genus: all authors.

**Pseudocamponotus* catalogue: Bolton, 1995b: 369.

PSEUDOCOLOBOPSIS [subgenus of *Camponotus*]

Pseudocolobopsis Emery, 1920b: 249 [as subgenus of *Camponotus*]. Type-species: *Formica macrocephala* Erichson, 1842: 259, by original designation.

Taxonomic history

Pseudocolobopsis as subgenus of *Camponotus*: Emery, 1920b: 249; Santschi, 1921f: 311; Wheeler, W.M. 1922a: 709; Emery, 1925b: 157; subsequent authors; Bolton, 1995b: 44; Bolton, 2003: 117.

Pseudocolobopsis references: included under *Camponotus*.

[Note: world list of species in *C. (Pseudocolobopsis)*: Emery, 1920b: 259; Emery, 1925b: 157; Bolton, 1995b: 131.]

PSEUDOCRYPTOPONE [junior synonym of *Ponera*]

Pseudocryptopone Wheeler, W.M. 1933g: 12. Type-species: *Cryptopone tenuis* Emery, 1900c: 321, by original designation.

Taxonomic history

Pseudocryptopone in Ponerinae, Ponerini: Donisthorpe, 1943g: 722.

Pseudocryptopone as junior synonym of *Ponera*: Wilson, 1957b: 356; Smith, D.R. 1979: 1341; Ogata, 1987: 120; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 44; Bolton, 2003: 170; Schmidt, C.A. & Shattuck, 2014: 200.

PSEUDOCYRTOMYRMA [junior synonym of *Myrma*]

Pseudocyrtomyrma Emery, 1921e: 18 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis revoili* André, 1887: 285, by original designation.

Taxonomic history

Pseudocyrtomyrma as subgenus of *Polyrhachis*: Emery, 1921e: 18; Emery, 1925b: 206.

Pseudocyrtomyrma as junior synonym of *Myrma*: Bolton, 1973b: 288; Dorow, 1995: 30; Bolton, 1995b: 44; Bolton, 2003: 123.

PSEUDODICHTHADIA [junior synonym of *Labidus*]

Pseudodichthadia André, 1885: 838. Type-species: *Pseudodichthadia incerta* André, 1885: 840 (junior synonym of *Formica coeca* Latreille, 1802c: 270), by monotypy.

Taxonomic history

Pseudodichthadia in Dorylidae: André, 1885: 838.

Pseudodichthadia in Dorylinae: Dalla Torre, 1893: 7.

Pseudodichthadia in Dorylinae, Ecitonini: Forel, 1893a: 163; Emery, 1895j: 765 [Ecitonii].

Pseudodichthadia as genus: Dalla Torre, 1893: 7; Forel, 1899c: 30.

Pseudodichthadia as junior synonym of *Eciton*: André, in Forel, 1899c: 160 (footnote).

Pseudodichthadia as junior synonym of *Labidus*: Emery, 1910b: 21; Donisthorpe, 1943g: 722; Borgmeier, 1955: 80; Kempf, 1972a: 126; Smith, D.R. 1979: 1328; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 44; Bolton, 2003: 144; Borowiec, M.L. 2016: 144.

PSEUDOLASIUS [Formicinae: Lasiini]

Pseudolasius Emery, 1887a: 244. Type-species: *Formica familiaris* Smith, F. 1860a: 68, by subsequent designation of Bingham, 1903: 337.

Taxonomic history

Pseudolasius in Camponotinae: Dalla Torre, 1893: 180 [Camponotinae]; Emery, 1896e: 189 [Camponotinae].

Pseudolasius in Camponotinae, Formicini: Forel, 1893a: 165; Emery, 1895j: 772; Forel, 1912i: 89; Wheeler, W.M. 1910g: 143; Wheeler, W.M. 1915h: 133; Forel, 1917: 249.

Pseudolasius in Formicinae, Formicini: Wheeler, W.M. 1922a: 698; Chapman & Capco, 1951: 203; Wheeler, G.C. & Wheeler, J. 1985: 258.

Pseudolasius in Formicinae, Acanthomyopsini: Donisthorpe, 1943g: 722.

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

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

Pseudolasius in Formicinae, Plagiolepidini: Bolton, 2003: 23, 106.

Pseudolasius in Formicinae, *Prenolepis* genus group: LaPolla, Brady & Shattuck, 2010a: 129.

Pseudolasius in Formicinae, Lasiini: Emery, 1925b: 214; subsequent authors; Bolton, 1973a: 362; Dlussky & Fedoseeva, 1988: 77; Bolton, 1994: 50; Bolton, 1995b: 44; Ward, Blaimer & Fisher, 2016: 347.

Pseudolasius as genus: all authors.

Pseudolasius as senior synonym of *Nesolasius*: Brown, 1973b: 183 [provisional]; Hölldobler & Wilson, 1990: 18; Bolton, 1994: 50; Bolton, 1995b: 44; Tang, J., Li, *et al.* 1995: 111; Bolton, 2003: 106.

***Pseudolasius* catalogues:** Dalla Torre, 1893: 180; Wheeler, W.M. 1922a: 943 (Afrotropical); Emery, 1925b: 214; Chapman & Capco, 1951: 203 (Asia); Taylor & Brown, 1985: 144 (Australia); Taylor, 1987a: 66 (Australia); Bolton, 1995b: 369.

***Pseudolasius* references:** Bingham, 1903: 337 (diagnosis); Emery, 1911a: 214 (all species key); Wheeler, W.M. 1922a: 218 (diagnosis); Emery, 1925b: 214 (diagnosis); Menozzi, 1924b: 226 (Afrotropical species key); Agosti, 1991: 296 (*Pseudolasius* genus group diagnosis); Bolton, 1995a: 1052 (census); Wu, J. & Wang, 1995: 134 (China species key); Dlussky, 1997: 55 (in Baltic amber genera key); Xu, 1997: 2 (China species key); Shattuck, 1999: 112 (Australia synopsis); Zhou, 2001b: 184 (China, Guangxi species key); LaPolla, 2004b: 97 (**Afrotropical species key**); LaPolla, Brady & Shattuck, 2010a: 129 (diagnosis); Wachkoo & Bharti, 2014: 277 (India species key); Akbar, Bharti & Wachkoo, 2017: 136 (India species key).

PSEUDOMYRMA [junior synonym of *Pseudomyrmex*]

Pseudomyrma Guérin-Méneville, 1844a: 427 [as subgenus of *Formica*]. Type-species: *Pseudomyrma bicolor* Guérin-Méneville, 1844a: 427 (junior synonym of *Formica gracilis* Fabricius, 1804: 405), by monotypy.

Taxonomic history

Pseudomyrma in Poneridae, Myrmicidae: Smith, F. 1858b: 153.

Pseudomyrma in Myrmicidae: Smith, F. 1871a: 328; Smith, F. 1877b: 58; Cresson, 1887: 262.

Pseudomyrma in Myrmicidae, Myrmeciidae: Emery, 1877a: 81.

Pseudomyrma in Myrmicinae: Mayr, 1862: 738 [Myrmicidae]; Mayr, 1865: 24 [Myrmicidae]; Dalla Torre, 1893: 55 [Myrmicinae].

Pseudomyrma in Myrmicidae, Pseudomyrminae: Ashmead, 1905b: 383.

Pseudomyrma in Myrmicinae, Pseudomyrmini: Forel, 1893a: 164; Emery, 1895j: 768; Emery, 1896e: 179; Forel, 1899c: 86; Wheeler, W.M. 1910g: 139; Emery, 1914a: 40; Forel, 1917: 240; Emery, 1921f: 28.

Pseudomyrma in Pseudomyrminae: Wheeler, W.M. 1922a: 654; Donisthorpe, 1941d: 27; Donisthorpe, 1943g: 722.

Pseudomyrma as genus: Smith, F. 1858b: 153; Mayr, 1862: 738; Smith, F. 1871a: 328; Mayr, 1865: 24; Emery, 1877a: 81; Smith, F. 1877b: 58; Cresson, 1887: 262; Dalla Torre, 1893: 55; Forel, 1893a: 164; Emery, 1895j: 768; Emery, 1896e: 179; Forel, 1899c: 86; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 139; Emery, 1914a: 40; Forel, 1917: 240; Emery, 1921f: 28; Wheeler, W.M. 1922a: 654; Donisthorpe, 1941d: 27; Donisthorpe, 1943g: 722.

Pseudomyrma as junior synonym of *Leptalea*: Smith, M.R. 1951a: 788.

Pseudomyrma 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, 1994: 184; Bolton, 1995b: 44; Bolton, 2003: 135.

PSEUDOMYRMEX [Pseudomyrmecinae]

Pseudomyrmex Lund, 1831b: 106 (in text). Type-species: *Formica gracilis* Fabricius, 1804: 405, by subsequent designation of Smith, M.R. 1952a: 98.

Taxonomic history

Pseudomyrmex in Pseudomyrmecinae: Smith, M.R. 1952a: 98; Kempf, 1972a: 214; Smith, D.R. 1979: 1345; Hölldobler & Wilson, 1990: 12; Ward, 1990: 469; Brandão, 1991: 373; Bolton, 1995b: 44; Bolton, 2003: 31, 135.

Pseudomyrmex as genus: Smith, M.R. 1952a: 98; Kempf, 1972a: 214; Smith, D.R. 1979: 1345; Hölldobler & Wilson, 1990: 12; Ward, 1990: 469; Brandão, 1991: 373; Bolton, 1994: 184; Bolton, 1995b: 44; Bolton, 2003: 31, 135.

Pseudomyrmex as senior synonym of *Apedunculata*: Ward, 1990: 469; Bolton, 1995b: 44; Bolton, 2003: 135.

Pseudomyrmex as senior synonym of *Clavanoda*: Ward, 1990: 469; Bolton, 1995b: 44; Bolton, 2003: 135.

Pseudomyrmex as senior synonym of *Latinoda*: Ward, 1990: 469; Bolton, 1995b: 44; Bolton, 2003: 135.

Pseudomyrmex as senior synonym *Leptalea*: Smith, M.R. 1952a: 98; Kempf, 1972a: 214; Smith, D.R. 1979: 1345; Hölldobler & Wilson, 1990: 12; Ward, 1990: 469; Bolton, 1995b: 44; Bolton, 2003: 135.

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

Pseudomyrmex as senior synonym of *Myrmex* Guérin-Méneville: Smith, M.R. 1952a: 98; Kempf, 1972a: 214; Smith, D.R. 1979: 1345; Hölldobler & Wilson, 1990: 12; Ward, 1990: 469; Bolton, 1995b: 44; Bolton, 2003: 135.

Pseudomyrmex as senior synonym of *Ornatinoda*: Ward, 1990: 469; Bolton, 1995b: 44; Bolton, 2003: 135.

Pseudomyrmex as senior synonym of *Pseudomyrma*: Smith, M.R. 1952a: 98; Kempf, 1972a: 214; Smith, D.R. 1979: 1345; Hölldobler & Wilson, 1990: 12; Ward, 1990: 469; Bolton, 1994: 184; Bolton, 1995b: 44; Bolton, 2003: 135.

Pseudomyrmex as senior synonym of *Triangulinoda*: Ward, 1990: 469; Bolton, 1995b: 44; Bolton, 2003: 135.

***Pseudomyrmex* catalogues:** Mayr, 1863: 426, 451 (*Leptalea*, *Pseudomyrma*); Roger, 1863b: 24; Smith, 1877b: 58; Cresson, 1887: 262 (U.S.A.); Dalla Torre, 1893: 55; Emery, 1921f: 28; Smith, M.R. 1951a: 788 (North America *Leptalea*); Kempf, 1972a: 215 (Neotropical); Smith, D.R. 1979: 1345 (North America); Brandão, 1991: 373; Bolton, 1995b: 370.

***Pseudomyrmex* references:** Smith, F. 1858b: 153 (diagnosis); Mayr, 1865: 24 (diagnosis); Mayr, 1870a: 407 (Colombia + Panama (= New Grenada) species key); Emery, 1899c: 6 (larvae); Emery, 1921f: 28 (diagnosis); Gallardo, 1932a: 44 (Argentina species key); Enzmann, E.V. 1944: 62 (all species keys); Creighton, 1950a: 79 (**Nearctic species key**); Kempf, 1961a: 373 (*P. gracilis* group, partial key); Alayo, 1974: 9 (Cuba species key); Ward, 1985b: 215 (**Nearctic species key**); Billen, 1986: 173 (Dufour's gland); Ward, 1989: 407 (*P. oculatus* group key); Ward, 1989: 430 (*P. subtilissimus* group key); Ward, 1990: 469 (diagnosis, review of genus); Ward, 1992: 76 (*Dominican Amber species key); Ward, 1993: 130 (swollen-thorn *Acacia*-associated species key); Bolton, 1995a: 1052 (census); Ward, 1999b: 473 (*P. viduus* group, and other *Tachigali*- and *Triplaris*-associated species key); Mackay & Mackay, 2002: 38 (U.S.A., New Mexico species key); Baccaro, *et al.* 2015: 354 (genus in Brazil); Ward, 2017: 526, 533, 540 (species group key, *P. ferrugineus* group key, *P. goeldii* group key); Ward, 2019: 1092 (Colombia species key).

PSEUDONEOPONERA [Ponerinae: Ponerini]

Pseudoneoponera Donisthorpe, 1943d: 439. Type-species: *Pseudoneoponera verecundae* Donisthorpe, 1943d: 439, by original designation.

Taxonomic history

Pseudoneoponera in Ponerinae, Pseudoneoponerini: Chapman & Capco, 1951: 77.

Pseudoneoponera in Ponerinae, Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 131.

Pseudoneoponera as junior synonym of *Bothroponera*: Wilson, 1958d: 361; Bolton, 1973a: 334.

Pseudoneoponera as junior synonym of *Pachycondyla*: Brown, 1973b: 184 [provisional]; Snelling, R.R. 1981: 389; Hölldobler & Wilson, 1990: 11; Brown, in Bolton, 1994: 164; Bolton, 1995b: 45; Tang, J., Li, *et al.* 1995: 39; Bolton, 2003: 168; Mackay & Mackay, 2010: 3.

Pseudoneoponera as genus: Schmidt, C.A. & Shattuck, 2014: 131.

***Pseudoneoponera* catalogues:** Bolton, 1995b: 302 (as part of *Pachycondyla*); Schmidt, C.A. & Shattuck, 2014: 135 (species checklist).

***Pseudoneoponera* references:** Eguchi, *et al.* 2014: 40 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 132 (diagnosis, synopsis).

PSEUDONOTONCUS [Formicinae: Melophorini]

Pseudonotoncus Clark, 1934c: 64. Type-species: *Pseudonotoncus hirsutus* Clark, 1934c: 65, by original designation.

Taxonomic history

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

Pseudonotoncus in Formicinae, Myrmecorhynchini: Bolton, 2003: 24, 110.

Pseudonotoncus in Formicinae, Melophorini: Wheeler, W.M. 1935c: 71; subsequent authors; Hölldobler & Wilson, 1990: 17; Bolton, 1995b: 45; Ward, Blaimer & Fisher, 2016: 347.

Pseudonotoncus as genus: all authors.

***Pseudonotoncus* catalogues:** Taylor & Brown, 1985: 144; Taylor, 1987a: 66; Bolton, 1995b: 377.

***Pseudonotoncus* references:** Shattuck, 1999: 113 (synopsis); Shattuck & O'Reilly, 2013: 289 (all species revision, key).

PSEUDOPODOMYRMA [junior synonym of *Podomyrma*]

Pseudopodomyrma Crawley, 1925a: 40. Type-species: *Pseudopodomyrma clarki* Crawley, 1925a: 40, by monotypy.

Taxonomic history

Pseudopodomyrma in Myrmicinae, Myrmecini: Donisthorpe, 1943g: 722.

Pseudopodomyrma as genus: Donisthorpe, 1943g: 772.

Pseudopodomyrma as junior synonym of *Podomyrma*: Brown, 1973b: 184 [provisional]; Taylor & Brown, 1985: 80; Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 45; Bolton, 2003: 251.

PSEUDOPONERA [Ponerinae: Ponerini]

Pseudoponera Emery, 1900c: 314 [as subgenus of *Pachycondyla*]. Type-species: *Ponera quadridentata* Smith, F. 1859a: 143 (junior synonym of *Formica stigma* Fabricius, 1804: 400), by monotypy.

Taxonomic history

[*Pseudoponera* also described as new by Emery, 1901a: 42.]

[Type-species not *Ponera amblyops* Emery, 1887b: 434, unjustified subsequent designation by Emery, 1901a: 42; repeated by Emery, 1911d: 87 (in text), Wheeler, W.M. 1911f: 171, Wheeler, W.M. 1922a: 779, Donisthorpe, 1943g: 723.]

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

Pseudoponera in Ponerinae, Ponerini: Emery, 1911d: 86 [subtribe Pachycondylini]; Forel, 1917: 238 [subtribe Pachycondylini]; subsequent authors; in Ponerini, *Ponera* genus group: Schmidt, C.A. & Shattuck, 2014: 205.

Pseudoponera as subgenus of *Pachycondyla*: Emery, 1900c: 314; Emery, 1901a: 42.

Pseudoponera as subgenus of *Euponera*: Forel, 1900c: 141; Forel, 1900e: 398; Forel, 1901g: 398; Emery, 1909c: 364; Wheeler, W.M. 1910g: 135; Santschi, 1913h: 35; Forel, 1917: 238.

Pseudoponera as junior synonym of *Pachycondyla*: Brown, 1973b: 184 [provisional]; Snelling, R.R. 1981: 389; Hölldobler & Wilson, 1990: 11; Brown, in Bolton, 1994: 164; Bolton, 1995b: 45; Tang, J., Li, *et al.* 1995: 39; Bolton, 2003: 167; Mackay & Mackay, 2010: 3.

Pseudoponera as genus: Bingham, 1903: 91; Ashmead, 1905b: 382; Emery, 1911d: 86; Forel, 1917: 238; Wheeler, W.M. 1922a: 649; Donisthorpe, 1943g: 722; Chapman & Capco, 1951: 74; Schmidt, C.A. & Shattuck, 2014: 205.

Pseudoponera as senior synonym of *Trachymesopus*: Bolton, 1995b: 45; Bolton, 2003: 168; Schmidt, C.A. & Shattuck, 2014: 205.

[Note: type-species of *Pseudoponera* and *Trachymesopus* are synonymous; *Pseudoponera* has priority.]

***Pseudoponera* catalogues:** Emery, 1901a: 46 (species list); Emery, 1911d: 84, 86 (*Euponera* (*Trachymesopus*), *Pseudoponera*); Wheeler, W.M. 1922a: 778 (Afrotropical *Euponera* (*Trachymesopus*)); Wheeler, W.M. 1922a: 1009 (Malagasy *Euponera* (*Trachymesopus*)); Chapman & Capco, 1951: 74 (Asia *Pseudoponera*); Smith, M.R. 1951a: 786 (North America *Trachymesopus*); Kempf, 1972a: 251 (Neotropical *Trachymesopus*); Taylor & Brown, 1985: 52 (Australia *Trachymesopus*); Taylor, 1987a: 80 (Australia, New Caledonia & New Zealand *Trachymesopus*); Brandão, 1991: 382 (Neotropical *Trachymesopus*); Bolton, 1995b: 302 (as part of *Pachycondyla*); Schmidt, C.A. & Shattuck, 2014: 208 (species checklist).

***Pseudoponera* references:** Emery, 1901a: 42 (diagnosis); Bingham, 1903: 91 (India, Sri Lanka & Burma *Pseudoponera* key); Emery, 1911d: 84, 86 (*Euponera* (*Trachymesopus*), *Pseudoponera* diagnoses); Arnold, 1915: 74 (South Africa *Euponera* (*Trachymesopus*)); Creighton, 1950a: 45 (Nearctic *Euponera* (*Trachymesopus*) species key); Brown, 1963: 6 (review of *Trachymesopus*); Morisita, *et al.* 1989: 20 (Japan *Trachymesopus* species); Schmidt, C.A. & Shattuck, 2014: 205 (diagnosis, synopsis); Baccaro, *et al.* 2015: 334 (genus in Brazil); Fernández & Guerrero, 2019: 541 (genus in Colombia).

[Note: some earlier references may also occur under *Pachycondyla*.]

PSEUDOSTIGMACROS [junior synonym of *Stigmacros*]

Pseudostigmacros McAreavey, 1957: 24 [as subgenus of *Stigmacros*]. Type-species: *Stigmacros* (*Pseudostigmacros*) *inermis* McAreavey, 1957: 24, by original designation.

Taxonomic history

Pseudostigmacros as junior synonym of *Stigmacros*: Brown, 1973b: 184 [provisional]; Taylor & Brown, 1985: 145; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 45; Bolton, 2003: 99.

PSEUDOSYSPHINCTA [junior synonym of *Discothyrea*]

Pseudosysphincta Arnold, 1916: 161. Type-species: *Pseudosysphincta poweri* Arnold, 1916: 162, by original designation.

Taxonomic history

Pseudosysphincta in Ponerinae, Proceratiini: Forel, 1917: 236; Wheeler, W.M. 1922a: 645; Donisthorpe, 1943g: 723.

Pseudosysphincta as genus: Forel, 1917: 236; Wheeler, W.M. 1922a: 645; Donisthorpe, 1943g: 723.

Pseudosysphincta as junior synonym of *Discothyrea*: Brown, 1958g: 248; Bolton, 1973a: 332; Ogata, 1987: 107; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 45; Bolton, 2003: 179; Hita Garcia, Lieberman, *et al.* 2019: 8.

[*PSEUDOSPINCTA*: incorrect subsequent spelling by Wheeler, W.M. 1922a: 645.]

PTEROPONERA [junior synonym of *Ponera*]

Pteroponera Bernard, 1950a: 3. Type-species: *Pteroponera sysphinctoides* Bernard, 1950a: 4, by monotypy.

Taxonomic history

Pteroponera as junior synonym of *Ponera*: Brown, 1973b: 184 [provisional]; Hölldobler & Wilson, 1990: 11; Brown, in Bolton, 1994: 164; Bolton, 1995b: 45; Bolton, 2003: 170; Schmidt, C.A. & Shattuck, 2014: 200.

PYRAMICA [junior synonym of *Strumigenys*]

Pyramica Roger, 1862a: 251. Type-species: *Pyramica gundlachi* Roger, 1862a: 253, by monotypy.

Taxonomic history

Pyramica in Myrmicinae, Dacetini, Strumigeniti: Brown & Wilson, 1959b: 281.

Pyramica in Myrmicinae, Dacetini: Emery, 1924d: 320; Brown, 1954b: 465; Brown & Wilson, 1959b: 281; Bolton, 1999: 1667; Bolton, 2000: 90; Bolton, 2003: 54, 188.

Pyramica as subgenus of *Strumigenys*: Brown, 1948e: 110.

Pyramica as genus: Mayr, 1863: 453; Brown & Wilson, 1959b: 281; Bolton, 1999: 1667; Bolton, 2000: 90; Bolton, 2003: 54, 188; Eguchi, *et al.* 2011: 26.

Pyramica as junior synonym of *Strumigenys*: Roger, 1863b: 40; Emery & Forel, 1879: 464; Dalla Torre, 1893: 145; Forel, 1899c: 42; Bingham, 1903: 147; Emery, 1924d: 320; Donisthorpe, 1943g: 723; Brown & Wilson, 1959b: 281; Brown, 1960b: 37; Kempf, 1972a: 242; Bolton, 1973a: 345; Smith, D.R. 1979: 1403; Bolton, 1983: 358; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 128; Bolton, 1994: 105; Bolton, 1995b: 45; Tang, J., Li, *et al.* 1995: 84; Baroni Urbani & De Andrade, 2007: 101.

QUADRISTRUMA [junior synonym of *Strumigenys*]

Quadristruma Brown, 1949b: 47. Type-species: *Epitritus emmae* Emery, 1890b: 70, by original designation.

Taxonomic history

Quadristruma in Myrmicinae, Dacetini, Strumigeniti: Brown & Wilson, 1959b: 281; Brandão, 1991: 391.

Quadristruma in Myrmicinae, Dacetini: Brown, 1949b: 47; Kempf, 1972a: 226; Smith, D.R. 1979: 1409; Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 45.

Quadristruma as genus: Brown & Wilson, 1959b: 281; Kempf, 1972a: 226; Bolton, 1973a: 344; Smith, D.R. 1979: 1409; Bolton, 1983: 400; Hölldobler & Wilson, 1990: 15; Brandão, 1991: 391; Ogata, 1991b: 131; Bolton, 1995b: 45.

Quadristruma as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 12; Bolton, 1999: 1673; Bolton, 2000: 492; Bolton, 2003: 192; Baroni Urbani & De Andrade, 2007: 101.

***QUADRULICAPITO** [*incertae sedis* in Myrmicinae]

**Quadrulicapito* Hong, 2002: 561. Type-species: **Quadrulicapito longa* Hong, 2002: 562, by original designation.

Taxonomic history

**Quadrulicapito* in Myrmicinae: Hong, 2002: 561.

**Quadrulicapito incertae sedis* in Myrmicinae: Ward, *et al.* 2015: 77.

***QUINEANGULICAPITO** [*incertae sedis* in Myrmicinae]

**Quineangulicapito* Hong, 2002: 554. Type-species: **Quineangulicapito fushunensis* Hong, 2002: 555, by original designation.

Taxonomic history

**Quineangulicapito* in Myrmicinae: Hong, 2002: 554.

**Quineangulicapito incertae sedis* in Myrmicinae: Ward, *et al.* 2015: 77.