

## FORMICIDAE: CATALOGUE OF GENUS-GROUP TAXA

*ACALAMA* [junior synonym of *Gauromyrmex*]

*Acalama* Smith, M.R. 1949a: 206. Type-species: *Acalama donisthorpei* Smith, M.R. 1949a: 207 (junior synonym of *Solenomyrma acanthina* Karavaiev, 1935a: 103), by original designation.

### **Taxonomic history**

*Acalama incertae sedis* in Myrmicinae: Smith, M.R. 1949a: 206.

*Acalama* as junior synonym of *Vollenhovia*: Hölldobler & Wilson, 1990: 16; Tang, J., Li, *et al.* 1995: 63.

*Acalama* as junior synonym of *Gauromyrmex*: Brown, 1953c: 10; Bolton, 1995b: 18; Bolton, 2003: 246.

*ACAMATUS* [junior homonym, replaced by *Neivamyrmex*]

*Acamatus* Emery, 1894c: 181 [as subgenus of *Eciton*]. Type-species: *Eciton (Acamatus) schmitti* Emery, 1894c: 183 (diagnosis in key) (junior synonym of *Labidus nigrescens* Cresson, 1872: 194), by subsequent designation of Ashmead, 1906: 24, Wheeler, W.M. 1911f: 157.

### **Taxonomic history**

[Junior homonym of *Acamatus* Schoenherr, 1833: 20 (Coleoptera).]

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

*Acamatus* in Dorylinae, Ecitonini: Emery, 1910b: 23 [Ecitini].

*Acamatus* as genus: Ashmead, 1905b: 381; Ashmead, 1906: 24.

*Acamatus* as subgenus of *Eciton*: Emery, 1894c: 181; Emery, 1895j: 765; Emery, 1900a: 186; Emery, 1910b: 23; Wheeler, W.M. 1910g: 138; Forel, 1917: 240; Luederwaldt, 1918: 37; Gallardo, 1920: 345; Wheeler, W.M. 1922a: 635; Borgmeier, 1923: 44; Donisthorpe, 1943f: 618.

*Neivamyrmex* Borgmeier, 1940: 606, **replacement name** for *Acamatus* Emery.

*ACANTHIDRIS* [junior synonym of *Rhopalothrix*]

*Acanthidris* Weber, 1941a: 188. Type-species: *Acanthidris isthmicus* Weber, 1941a: 188, by original designation.

### **Taxonomic history**

*Acanthidris* in Myrmicinae, Dacetini: Weber, 1941a: 183 [Dacetonini]; Donisthorpe, 1943f: 618; Brown, 1948e: 102.

*Acanthidris* in Myrmicinae, Basicerotini: Brown, 1949f: 94.

*Acanthidris* as junior synonym of *Rhopalothrix*: Brown & Kempf, 1960: 230; Kempf, 1972a: 226; Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 18; Bolton, 2003: 185.

*ACANTHOCLINEA* [junior synonym of *Dolichoderus*]

*Acanthoclinea* Wheeler, W.M. 1935c: 69 [as subgenus of *Dolichoderus*]. Type-species: *Dolichoderus doriae* Emery, 1887a: 252, by original designation.

### **Taxonomic history**

*Acanthoclinea* in Dolichoderinae, Dolichoderini: Donisthorpe, 1943f: 618.

*Acanthoclinea* as subgenus of *Dolichoderus*: Wheeler, W.M. 1935c: 69; Donisthorpe, 1943f: 618.

*Acanthoclinea* as genus: Brown, 1950e: 249.

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

*Acanthoclinea* as junior synonym of *Dolichoderus*: Brown, 1973b: 178 [provisional]; Taylor & Brown, 1985: 93; Shattuck, 1992c: 66; Shattuck, 1994: 40; Bolton, 1994: 26; Bolton, 1995b: 18; Bolton, 2003: 85.

**ACANTHOGNATHUS** [Myrmicinae: Attini]

*Acanthognathus* Mayr, 1887: 567 (diagnosis in key), 578. Type-species: *Acanthognathus ocellatus* Mayr, 1887: 579, by monotypy.

**Taxonomic history**

*Acanthognathus* in Myrmicinae: Dalla Torre, 1893: 148 [Myrmicinae].

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

*Acanthognathus* in Myrmicinae, Dacetini, Dacetiti: Brown, 1954b: 465; Brown & Wilson, 1959b: 281; Brandão, 1991: 322.

*Acanthognathus* in Myrmicinae, Dacetini: Forel, 1892d: 344; Forel, 1893a: 164; Forel, 1895b: 136; Emery, 1895j: 770; Emery, 1896e: 180; Wheeler, W.M. 1910g: 141; Emery, 1914a: 42; Forel, 1917: 246; Wheeler, W.M. 1922a: 666; Emery, 1924d: 317; Brown, 1948e: 102; Kempf, 1972a: 9; Bolton, 1995b: 18; Bolton, 1999: 1650; Bolton, 2000: 15; Bolton, 2003: 54, 186.

*Acanthognathus* in Attini: Ward, *et al.* 2015: 77.

*Acanthognathus* as genus: all authors.

***Acanthognathus* catalogues:** Dalla Torre, 1893: 148; Emery, 1924d: 317; Kempf, 1972a: 9; Bolton, 1995b: 53.

***Acanthognathus* references:** Emery, 1924d: 317 (diagnosis); Smith, M.R. 1944c: 150 (all species key); Brown & Kempf, 1969: 89 (diagnosis, **all species revision, key**); Gronenberg, Brandão, *et al.* 1998: 227 (mandible mechanism); Bolton, 1999: 1650 (diagnosis, review of genus, phylogeny); Bolton, 2000: 15 (diagnosis, species synopsis); Galvis & Fernández, 2009: 247 (**all species key**); Baccaro, *et al.* 2015: 204 (genus in Brazil); Fernández & Serna, 2019: 831 (Colombia species key).

**ACANTHOLEPIS** [junior homonym, replaced by *Lepisiota*]

*Acantholepis* Mayr, 1861: 42. Type-species: *Hypocheilina frauenfeldi* Mayr, 1855: 378, by monotypy.

**Taxonomic history**

[Junior homonym of *Acantholepis* Kroyer, 1846: 98 (Pisces).]

*Acantholepis* in Formicinae: Mayr, 1861: 42 [Formicinae]; Mayr, 1862: 652 [Formicidae]; Mayr, 1865: 9 [Formicidae].

*Acantholepis* in Camponotinae: Forel, 1878: 378 [Camponotidae]; Emery & Forel, 1879: 453 [Camponotidae]; Dalla Torre, 1893: 171 [Camponotinae]; Emery, 1896e: 188 [Camponotinae].

*Acantholepis* in Camponotinae, Plagiolepidini: Forel, 1886f: 212; Forel, 1893a: 165; Emery, 1895j: 771; Wheeler, W.M. 1910g: 143; Forel, 1912i: 88; Emery, 1916b: 220; Forel, 1917: 249; Arnold, 1920a: 554.

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

*Acantholepis* in Formicinae, Plagiolepidini: Ashmead, 1905b: 384; Wheeler, W.M. 1922a: 696; Emery, 1925b: 23; Santschi, 1926a: 15; subsequent authors; Bolton, 1973a: 363; Hölldobler & Wilson, 1990: 18.

*Acantholepis* as genus: Mayr, 1862: 652; Mayr, 1863: 394; Roger, 1863b: 11; Mayr, 1865: 9; Forel, 1878: 378; Dalla Torre, 1893: 171; Emery, 1896e: 188; Ashmead, 1905b: 384; Emery, 1916b: 219; Emery, 1925b: 23; subsequent authors; Bolton, 1973a: 363; Hölldobler & Wilson, 1990: 18; Tang, J., Li, *et al.* 1995: 95.

***Lepisiota*** Santschi, 1926a: 15, **replacement name** for *Acantholepis* Mayr.

[**PSEUDACANTHOLEPIS** Bernard, 1953b: 256 (attributed to Santschi) [as subgenus of *Acantholepis*]. Unavailable name (proposed without designation of type-species); included taxa referable to *Lepisiota* (Bolton, 1995b: 44).]

[**ACHANTILEPIS**: incorrect subsequent spelling by Santschi, 1935b: 274.]

**ACANTHOMYOPS** [subgenus of *Lasius*]

*Acanthomyops* Mayr, 1862: 652 (diagnosis in key), 699. Type-species: *Formica clavigera* Roger, 1862a: 241, by monotypy.

**Taxonomic history**

*Acanthomyops* in Formicinae: Mayr, 1862: 652 (in key) [Formicidae]; Mayr, 1865: 8 [Formicidae].

*Acanthomyops* in Camponotinae, Formicini: Wheeler, W.M. 1910g: 143; Forel, 1917: 249.

*Acanthomyops* in Formicinae, Formicini: Wheeler, W.M. 1922a: 698; Wheeler, G.C. & Wheeler, J. 1970: 651; Wheeler, G.C. & Wheeler, J. 1976b: 101; Wheeler, G.C. & Wheeler, J. 1985: 258; Jaffe, 1993: 14.

*Acanthomyops* in Formicinae, Acanthomyopsini: Donisthorpe, 1943f: 618.

*Acanthomyops* in Formicini + Lasiini: Hölldobler & Wilson, 1990: 18.

*Acanthomyops* in *Lasius* genus group: Agosti, 1991: 296.

*Acanthomyops* in Lasiini: Ashmead, 1905b: 384; Emery, 1925b: 236; Bolton, 1995b: 18; Bolton, 2003: 22, 94.

*Acanthomyops* as junior synonym of *Lasius*: Mayr, 1866b: 888; Dalla Torre, 1893: 181.

*Acanthomyops* as subgenus of *Formicina*: Emery, 1916a: 11; Wheeler, W.M. 1916k: 171; Forel, 1917: 249.

*Acanthomyops* as genus: Mayr, 1863: 394; Roger, 1863b: 11; Mayr, 1865: 8; Forel, 1916: 460; Donisthorpe, 1927b: 209; Donisthorpe, 1943f: 618; Creighton, 1950a: 426; Smith, M.R. 1958c: 150; Wing, 1968: 47; Smith, D.R. 1979: 1435; Hölldobler & Wilson, 1990: 18; Bolton, 1994: 50; Bolton, 1995b: 18; Bolton, 2003: 22, 94.

*Acanthomyops* as subgenus of *Lasius*: Emery, 1893i: 642; Wheeler, W.M. 1910g: 143; Wheeler, W.M. 1916k: 171; Wheeler, W.M. 1922a: 698; Emery, 1925b: 236; Buren, 1950: 188; Smith, M.R. 1951a: 852; Gregg, 1963: 453; Ward, 2005: 13.

[**ACANTHOMYRMEX**: incorrect subsequent spelling by Ashmead: 1905b: 384 (in error for *Acanthomyops*).]

***Acanthomyops* references:** included under *Lasius*.

**ACANTHOMYRMEX** [Myrmicinae: Crematogastrini]

*Acanthomyrmex* Emery, 1893a: cclxxvi. Type-species: *Acanthomyrmex luciolae* Emery, 1893a: cclxxvi, by subsequent designation of Bingham, 1903: 191.

**Taxonomic history**

[*Acanthomyrmex* also described as new by Emery, 1893f: 244.]

*Acanthomyrmex* in Myrmicinae: Emery, 1896e: 183.

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

*Acanthomyrmex* in Myrmicinae, Pheidolini: Hölldobler & Wilson, 1990: 16 (error).

*Acanthomyrmex* in Myrmicinae, Myrmecini: Emery, 1912b: 105; Emery, 1914a: 41; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 234 [subtribe Myrmecini]; Bolton, 1995b: 18; Bolton, 2003: 71, 255.

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

*Acanthomyrmex* as genus: all authors.

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

***Acanthomyrmex* catalogues:** Emery, 1924d: 234; Chapman & Capco, 1951: 114 (Asia); Bolton, 1995b: 53.

***Acanthomyrmex* references:** Emery, 1924d: 234 (diagnosis); Moffett, 1986c: 66 (diagnosis, **all species revision, key**); Eguchi, *et al.* 2011: 11 (diagnosis, Vietnam synopsis); Yamada, Ito, *et al.* 2018: 10 (gyne morphotypes list); Jaitrong & Asanok, 2019: 133 (Thailand species key).

## **ACANTHOPONERA** [Heteroponerinae]

*Acanthoponera* Mayr, 1862: 732 [as subgenus of *Ectatomma*]. Type-species: *Ponera mucronata* Roger, 1860: 299, by subsequent designation of Emery, 1911d: 36, Wheeler, W.M. 1911f: 158.

[Note: Emery, 1911d: 36, and Wheeler, W.M. 1911f: 158, both nominated *mucronata* as type-species. According to Evenhuis (1994), Emery, 1911d was published on 9.ix.1911, which is slightly earlier than Wheeler, W.M. 1911f, published on 17.x.1911.]

### **Taxonomic history**

*Acanthoponera* in Ponerinae: Mayr, 1862: 732 [Poneridae]; Dalla Torre, 1893: 23 [Ponerinae]; Emery, 1896e: 178 [Ponerinae].

*Acanthoponera* in Pachycondylinae, Ectatommini: Ashmead, 1905b: 382.

*Acanthoponera* in Ponerinae, Ectatommini: Emery, 1895j: 767; Emery, 1911d: 35; Forel, 1917: 236; Gallardo, 1918b: 16; Wheeler, W.M. 1922a: 643 Brown, 1958g: 188; subsequent authors; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 18.

*Acanthoponera* in Heteroponerinae: Bolton, 2003: 47, 177.

*Acanthoponera* in Ectatomminae, Heteroponerini: Feitosa & Prada-Achiardi, 2019: 673.

*Acanthoponera* as junior synonym of *Ectatomma*: Roger, 1863b: 17.

*Acanthoponera* as subgenus of *Ectatomma*: Mayr, 1862: 732; Mayr, 1863: 394; Mayr, 1887: 540; Dalla Torre, 1893: 23; Forel, 1895b: 112; Forel, 1899c: 9; Wheeler, W.M. 1910g: 135.

*Acanthoponera* as genus: Emery, 1895g: 346; Emery, 1896e: 178; Ashmead, 1905b: 382; Emery, 1911d: 35; Forel, 1917: 236; Gallardo, 1918b: 16; Wheeler, W.M. 1923e: 179; Donisthorpe, 1943f: 619; Kusnezov, 1956: 13; Brown, 1958g: 188; subsequent authors; Bolton, 1995b: 53; Bolton, 2003: 47, 177.

*Acanthoponera* **catalogues**: Emery, 1911d: 35; Kempf, 1972a: 9; Bolton, 1995b: 53.

*Acanthoponera* **references**: Mayr, 1887: 540 (diagnosis); Emery, 1911d: 35 (diagnosis); Wheeler, W.M. 1923e: 190 (all species key); Brown, 1958g: 188 (review of genus and species); Kugler, C. 1991: 155 (sting structure); Arias-Penna & Fernández, 2008: 111 (**all species key**); Baccaro, *et al.* 2015: 194 (genus in Brazil); Feitosa & Prada-Achiardi, 2019: 675 (Colombia species key).

## **ACANTHOSTICHUS** [Dorylinae]

*Acanthostichus* Mayr, 1887: 549. Type-species: *Typhlopone serratula* Smith, F. 1858b: 111, by monotypy.

### **Taxonomic history**

*Acanthostichus* in Ponerinae: Dalla Torre, 1893: 16 [Ponerinae].

*Acanthostichus* in Ponerinae, Cerapachyini: Forel, 1893a: 162; Forel, 1895b: 116; Wheeler, W.M. 1910g: 136 [subtribe Acanthostichini].

*Acanthostichus* in Dorylinae, Cerapachyini: Emery, 1895j: 765 [Cerapachyi].

*Acanthostichus* in Dorylidae, Acanthostichinae: Ashmead, 1905b: 382; Ashmead, 1906: 29.

*Acanthostichus* in Dorylinae, Acanthostichini: Emery, 1901a: 34; Smith, D.R. 1979: 1333.

*Acanthostichus* in Ponerinae, Acanthostichini: Emery, 1911d: 12; Forel, 1917: 239; Gallardo, 1918b: 7; Donisthorpe, 1943f: 619; Brown, 1975: 41; Dlussky & Fedoseeva, 1988: 79; Hölldobler & Wilson, 1990: 10.

*Acanthostichus* in Cerapachyinae, Acanthostichini: Wheeler, W.M. 1902d: 184; Wheeler, W.M. 1922a: 640; Kempf, 1972a: 10; Bolton, 1990a: 67; Bolton, 1990c: 1357; Brandão, 1991: 322; Jaffe, 1993: 9; Bolton, 1994: 19; Bolton, 1995b: 18; Bolton, 2003: 33, 138.

*Acanthostichus* in Dorylinae: Emery, 1896e: 175 [Dorylinae]; Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 66.

*Acanthostichus* as genus: all authors.

*Acanthostichus* as senior synonym of *Ctenopyga*: Brown, 1973b: 179 [provisional]; Snelling, R.R. 1981: 389; Bolton, 1994: 19; Bolton, 1995b: 18; Mackay, 1996: 132; Bolton, 2003: 138; Borowiec, M.L. 2016: 66.

***Acanthostichus* catalogues:** Dalla Torre, 1893: 16; Emery, 1911d: 12, 13 (*A. (Acanthostichus), A. (Ctenopyga)*); Smith, M.R. 1951a: 782 (North America); Kempf, 1972a: 10 (Neotropical); Brandão, 1991: 322 (Neotropical); Bolton, 1995b: 54; Borowiec, M.L. 2016: 72 (species checklist).

***Acanthostichus* references:** Emery, 1895j: 748 (synopsis); Emery, 1911d: 12, 13 (*Acanthostichus, A. (Ctenopyga)* diagnoses); Gallardo, 1918b: 8 (Argentina species key); Wheeler, W.M. 1922a: 640 (genera, key); Wheeler, W.M. 1934g: 162 (species key); Kusnezov, 1962a: 125 (**species key**); Brown, 1975: 39 (diagnosis, review of tribe and genus); Brown, 1975: 42 (review of *Ctenopyga*); Bolton, 1990a: 58 (abdominal morphology); Mackay, 1996: 129 (diagnosis, **all species revision, key**); Mackay & Mackay, 2002: 35 (U.S.A., New Mexico species key); Bolton, 2003: 33, 137 (diagnosis, synopsis); Brady, *et al.* 2014: 4 (phylogeny); Baccaro, *et al.* 2015: 146 (genus in Brazil); Borowiec, M.L. 2016: 66, 72 (diagnosis); Palacio, 2019: 585 (Colombia species key).

**ACHANTILEPIS:** incorrect subsequent spelling of *Acantholepis*.

**ACIDOMYRMEX** [junior synonym of *Tetramorium*]

***Acidomyrmex*** Emery, 1915i: 191 [as subgenus of *Rhoptromyrmex*]. Type-species: *Rhoptromyrmex wroughtonii* Forel, 1902c: 231, by original designation.

#### **Taxonomic history**

*Acidomyrmex* in Myrmicinae, Tetramoriini: Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 290; subsequent authors.

*Acidomyrmex* as genus: Wheeler, W.M. 1922a: 664, 672; Chapman & Capco, 1951: 173.

*Acidomyrmex* as subgenus of *Rhoptromyrmex*: Emery, 1915i: 191; Forel, 1917: 245; Emery, 1924d: 290; Donisthorpe, 1943f: 619.

*Acidomyrmex* as junior synonym of *Rhoptromyrmex*: Brown, 1964c: 11; Bolton, 1976: 298; Bolton, 1986a: 2; Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 19; Bolton, 2003: 225.

*Acidomyrmex* as junior synonym of *Tetramorium*: Ward, *et al.* 2015: 75 [by implication as *Rhoptromyrmex* synonymised under *Tetramorium*].

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

***Acrocoelia*** Mayr, 1853a: 147. Type-species: *Acrocoelia ruficeps* Mayr, 1853a: 147 (junior synonym of *Formica scutellaris* Olivier, 1792: 497), by subsequent designation of Wheeler, W.M. 1911f: 158.

#### **Taxonomic history**

*Acrocoelia* as genus: Mayr, 1853a: 147; Soulié, 1964: 398; Soulié, 1965: 79; Cagniant, 1970a: 417.

*Acrocoelia* as subgenus of *Crematogaster*: Emery, 1919b: 62; Emery, 1922e: 140; Donisthorpe, 1943f: 619; Creighton, 1950a: 206; Chapman & Capco, 1951: 86; Baltazar, 1966: 249.

*Acrocoelia* as junior synonym of *Crematogaster*: Smith, F. 1858b: 135; Mayr, 1863: 404; Roger, 1863b: 36; Mayr, 1872: 153; Dours, 1873: 169; Emery & Forel, 1879: 464; Forel, 1891b: 179; Dalla Torre, 1893: 79; Forel, 1899c: 81; Wheeler, W.M. 1911f: 158; Wheeler, W.M. 1922a: 828; Buren, 1959: 126; Kempf, 1972a: 81; Bolton, 1973a: 342; Brown, 1973b: 178; Smith, D.R. 1979: 1376; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 124; Bolton, 1995b: 19; Tang, J., Li, *et al.* 1995: 64; Bolton, 2003: 238; Blaimer, 2012c: 52.

[Note: type-species of *Acrocoelia* and *Crematogaster* are synonymous, generic synonymy is therefore absolute.]

**[ACROCAELIA:** incorrect subsequent spelling by Dours, 1873: 169.]

**ACROMYRMEX** [Myrmicinae: Attini]

***Acromyrmex*** Mayr, 1865: 83 [as subgenus of *Atta*]. Type-species: *Formica hystrix* Latreille, 1802c: 230, by monotypy.

#### **Taxonomic history**

*Acromyrmex* in Cryptoceridae, Attinae: Ashmead, 1905b: 383.

*Acromyrmex* in Myrmicinae, Attini: Emery, 1895j: 770; Emery, 1913b: 251; Emery, 1914a: 42; Forel, 1917: 247; Wheeler, W.M. 1922a: 669; Emery, 1924d: 347; subsequent authors; Bolton, 1995b: 19; Bolton, 2003: 57, 197; Ward, *et al.* 2015: 77.

*Acromyrmex* as subgenus of *Atta*: Mayr, 1865: 83; Forel, 1885a: 354; Dalla Torre, 1893: 151; Forel, 1893a: 163; Forel, 1893e: 589; Emery, 1895j: 770; Forel, 1895b: 138; Forel, 1899c: 30; Emery, 1905c: 39; Wheeler, W.M. 1907c: 670; Wheeler, W.M. 1910g: 141; Wheeler, W.M. 1922a: 669.

*Acromyrmex* as genus: Ashmead, 1905b: 383; Emery, 1913b: 251; Emery, 1914a: 42; Forel, 1917: 247; Luederwaldt, 1918: 38; Emery, 1924d: 347; Santschi, 1925a: 355; subsequent authors; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 19; Bolton, 2003: 57, 197.

Subgenera of *Acromyrmex*: nominal plus *Moellerius*.

***Acromyrmex* catalogues:** Emery, 1924d: 347, 350 (*Acromyrmex*, *A. (Moellerius)*); Smith, M.R. 1951a: 831 (North America); Kempf, 1972a: 10 (Neotropical); Alayo, 1974: 42 (Cuba); Smith, D.R. 1979: 1412 (North America); Brandão, 1991: 322 (Neotropical); Bolton, 1995b: 54.

***Acromyrmex* references:** Forel, 1885a: 361 (all species key); Emery, 1905c: 40 (all species key); Gallardo, 1916d: 325 (Argentina species key); Emery, 1924d: 347, 350 (*Acromyrmex*, *A. (Moellerius)* diagnoses); Santschi, 1925a: 388 (all species revision, key); Creighton, 1950a: 326 (**Neartic species key**); Kusnezov, 1956: 33 (Argentina species key); Gonçalves, 1961: 118 (Brazil species revision, key); Zolessi & Abenante, 1977: 73 (Uruguay species, male genitalia); Fowler, 1988: 284 (*A. (Moellerius)* species key); Cherrett & Cherrett, 1989: 1 (bibliography); Fernández, *et al.* 2015: 40 (Colombia species key); Baccaro, *et al.* 2015: 206 (genus in Brazil); Fernández & Serna, 2019: 833 (Colombia species key).

## **ACROPYGA** [Formicinae: Plagiolepidini]

***Acropyga*** Roger, 1862a: 242. Type-species: *Acropyga acutiventris* Roger, 1862a: 243, by monotypy.

### **Taxonomic history**

*Acropyga* in Camponotinae: Forel, 1878: 379 [Camponotidae]; Dalla Torre, 1893: 174 [Camponotinae]; Emery, 1896e: 188 [Camponotinae].

*Acropyga* in Camponotinae, Plagiolepidini: Forel, 1886f: 212; Forel, 1893a: 165; Forel, 1893g: 347; Forel, 1895b: 107; Emery, 1895j: 771; Wheeler, W.M. 1910g: 143; Forel, 1912i: 88; Forel, 1917: 249.

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

*Acropyga* in Formicinae, *Lasius* genus group: Agosti, 1991: 296.

*Acropyga* in Formicinae, Lasiini: Bolton, 2003: 22, 94.

*Acropyga* in Formicinae, Plagiolepidini: Ashmead, 1905b: 384; Wheeler, W.M. 1922a: 695; Emery, 1925b: 27; subsequent authors; Kempf, 1972a: 16; Bolton, 1973a: 363; Smith, D.R. 1979: 1423; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 19; Ward, Blaimer & Fisher, 2016: 348.

*Acropyga* as junior synonym of *Plagiolepis*: Mayr, 1863: 442.

*Acropyga* as genus: Roger, 1862a: 242; Roger, 1863b: 11; Smith, F. 1871a: 319; Forel, 1878: 379; Dalla Torre, 1893: 174; Emery, 1925b: 27; subsequent authors; Bolton, 1973a: 363; Bolton, 2003: 22, 94; LaPolla, 2004a: 16.

*Acropyga* as senior synonym of *Atopodon*: LaPolla, 2004a: 16.

*Acropyga* as senior synonym of *Malacomyrma*: LaPolla, 2004a: 16.

*Acropyga* as senior synonym of *Rhizomyrma*: LaPolla, 2004a: 16.

[Note (i): the former subgenera *Atopodon*, *Malacomyrma*, and *Rhizomyrma*, were listed as junior synonyms in Smith, D.R. 1979: 1423, and Hölldobler & Wilson, 1990: 18, without explanation. They reverted to subgeneric status in Bolton, 1994: 51, pending revision; formally synonymised by LaPolla, 2004a: 16.]

[Note (ii): world list of species in former subgenus *A. (Acropyga)*: Emery, 1925b: 28; Bolton, 1995b: 58.]

**Acropyga catalogues:** Roger, 1863b: 11; Dalla Torre, 1893: 174; Wheeler, W.M. 1922a: 928 (Afrotropical); Emery, 1925b: 29, 30 (A. (*Rhizomyrma*, *Atopodon*, *Malacomyrma*)); Chapman & Capco, 1951: 210 (Asia); Kempf, 1972a: 16 (Neotropical); Smith, D.R. 1979: 1423 (North America); Taylor & Brown, 1985: 107 (Australia); Taylor, 1987a: 5 (Australia); Bolton, 1995b: 57; Fisher & Bolton, 2016: 178 (Afrotropical checklist).

**Acropyga references:** Forel, 1878: 379 (diagnosis); Bingham, 1903: 332 (diagnosis); Emery, 1925b: 27 (diagnosis, subgenera key); Emery, 1925b: 29, 30 (A. (*Rhizomyrma*, *Atopodon*, *Malacomyrma*) diagnoses); Weber, 1944: 91 (Neotropical A. (*Rhizomyrma*) species key); Morisita, *et al.*, 1991: 14 (Japan species key); Wang, C. & Wu, 1992a: 227 (China species key); Bolton, 1995a: 1047 (census); Shattuck, 1999: 86 (Australia synopsis); Terayama, *et al.* 2002: 22 (diagnosis, East Asian species key); LaPolla, 2004a: 16 (diagnosis, **all species revision; New World species key**: 23; **Old World species key**: 27); LaPolla & Fisher, 2005: 601 (**Afrotropical species, revised key**); LaPolla, *et al.* 2006: 197 (phylogeny); Terayama, 2009: 204 (Taiwan species key); Heterick, 2009: 60 (south-western Australia species key); Baccaro, *et al.* 2015: 182 (genus in Brazil); Fisher & Bolton, 2016: 177 (diagnosis); Fernández & Ortiz-Sepúlveda, 2019: 731 (Colombia species key).

\***ACROSTIGMA** [junior synonym of *Podomyrma*]

\***Acrostigma** Emery, 1891a: 149 [as subgenus of *Podomyrma*]. Type-species: \**Podomyrma* (*Acrostigma*) *mayri* Emery, 1891a: 150, by monotypy.

#### **Taxonomic history**

\**Acrostigma* as subgenus of *Podomyrma*: Dalla Torre, 1893: 59; Donisthorpe, 1943f: 619.

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

**ACROSTIGMA** [junior homonym, replaced by *Stigmatocros*]

**Acrostigma** Forel, 1902h: 477 [as subgenus of *Acantholepis*]. Type-species: *Acantholepis* (*Acrostigma*) *froggatti* Forel, 1902h: 478, by subsequent designation of Wheeler, W.M. 1911f: 158.

#### **Taxonomic history**

[Junior homonym of \**Acrostigma* Emery, 1891a: 149 (Formicidae).]

**Stigmatocros** Forel, 1905b: 179, **replacement name** for *Acrostigma* Forel.

**ADELOMYRMEX** [Myrmicinae: Solenopsidini]

**Adelomyrmex** Emery, 1897c: 590. Type-species: *Adelomyrmex* *biroi* Emery, 1897c: 590, by monotypy.

#### **Taxonomic history**

*Adelomyrmex* in Myrmicinae, Leptothoracini: Emery, 1914a: 42; Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 268; Donisthorpe, 1943f: 620; Chapman & Capco, 1951: 110; Kempf, 1972a: 18; Wheeler, G.C. & Wheeler, J. 1985: 257; Dlussky & Fedoseeva, 1988: 79; Brandão, 1991: 324; Jaffe, 1993: 11.

*Adelomyrmex* in Myrmicinae, Stenammini: Ashmead, 1905b: 383; Bolton, 1994: 106; Bolton, 1995b: 19.

*Adelomyrmex* *incertae sedis* in Myrmicinae, Stenammini: Bolton, 2003: 59, 206.

*Adelomyrmex* in Myrmicinae, Adelomyrmecini: Fernández, 2004b: 326.

*Adelomyrmex* in Myrmicinae, Solenopsidini: Ward, *et al.* 2015: 77.

*Adelomyrmex* as genus: all authors.

*Adelomyrmex* as senior synonym of *Apsychomyrmex*: Kempf, 1972a: 7, 18; Hölldobler & Wilson, 1990: 12; Brandão, 1991: 324; Bolton, 1995b: 19; Bolton, 2003: 59, 206.

*Adelomyrmex* as senior synonym of *Arctomyrmex*: Brown, 1973b: 178 [provisional]; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 106; Bolton, 1995b: 19; Bolton, 2003: 207.

**Adelomyrmex catalogues:** Emery, 1924d: 268 (*Apsychomyrmex*, *Adelomyrmex*); Kempf, 1972a: 18 (Neotropical); Brown, 1973b: 178; Brandão, 1991: 324 (Neotropical); Bolton, 1995b: 58.

**Adelomyrmex references:** Emery, 1924d: 268 (*Apsychomyrmex*, *Adelomyrmex* diagnoses); Smith, M.R. 1947b: 469 (*Apsychomyrmex* species key); Bolton, 1973a: 346 (diagnosis); Fernández & Mackay, 2003: 595 (*A. laevigatus* complex key); Fernández, 2003b: 11 (diagnosis, **all species revision, key**); Longino, 2012: 6 (Central America species key); Sarnat & Economo, 2012: 70 (Fiji Is species key); Baccaro, *et al.* 2015: 286 (genus in Brazil); Fisher & Bolton, 2016: 178 (diagnosis); Fernández & Serna, 2019: 802 (Colombia species key).

[Note: *Adelomyrmex sensu* Bolton, 1973a: 346, misidentification; these specimens were later described as genus *Baracidris*.]

### **ADETOMYRMA** [Amblyoponinae]

**Adetomyrma** Ward, 1994: 160. Type-species: *Adetomyrma venatrix* Ward, 1994: 161, by original designation.

#### **Taxonomic history**

*Adetomyrma* in Ponerinae, Amblyoponini: Ward, 1994: 159; Bolton, 1995b: 19.

*Adetomyrma* in Amblyoponinae: Bolton, 2003: 42, 153.

*Adetomyrma* as genus: all authors.

**Adetomyrma catalogues:** Bolton, 1995b: 58; Fisher & Bolton, 2016: 182 (checklist).

**Adetomyrma references:** Yoshimura & Fisher, 2012a: 13 (male diagnosis); Yoshimura & Fisher, 2012b: 5 (**all species revision, key**); Fisher & Bolton, 2016: 180 (diagnosis); Ward & Fisher, 2016: 689 (phylogeny).

### **ADFORMICA** [junior synonym of *Formica*]

**Adformica** Lomnicki, 1925a: 164 [as subgenus of *Formica*]. Type-species: *Formica exsecta* Nylander, 1846a: 909, by subsequent designation of Donisthorpe, 1927b: 316.

#### **Taxonomic history**

*Adformica* as junior synonym of *Coptoformica*: Stitz, 1939: 306; Donisthorpe, 1943f: 620.

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

*Adformica* as junior synonym of *Formica*: Smith, M.R. 1951a: 860; Smith, D.R. 1979: 1448; Agosti, 1994a: 106; Bolton, 1995b: 25; Tang, J., Li, *et al.* 1995: 103; Bolton, 2003: 128.

### **ADLERZIA** [Myrmicinae: Crematogastrini]

**Adlerzia** Forel, 1902h: 445 [as subgenus of *Monomorium*]. Type-species: *Monomorium (Adlerzia) froggatti* Forel, 1902h: 445, by monotypy.

#### **Taxonomic history**

*Adlerzia* in Myrmicinae, Pheidolini: Brown, 1952j: 176; Wheeler, G.C. & Wheeler, J. 1985: 257; Hölldobler & Wilson, 1990: 16.

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

*Adlerzia* in Myrmicinae, Pheidologetini: Bolton, 1994: 106 [Pheidologetonini]; Bolton, 1995b: 19;

*Adlerzia* in Myrmicinae, Solenopsidini: Forel, 1917: 242 [subtribe Monomoriini]; Emery, 1922e: 182; Bolton, 2003: 61, 208.

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

*Adlerzia* as subgenus of *Monomorium*: Forel, 1902h: 445; Wheeler, W.M. 1910g: 139; Emery, 1915i: 190; Forel, 1917: 242; Emery, 1922e: 182; Wheeler, W.M. 1922a: 676; Donisthorpe, 1943f: 620.

*Adlerzia* as genus: Brown, 1952j: 176; Taylor & Brown, 1985: 53; Taylor, 1987a: 5; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 19; Bolton, 2003: 61, 208.

*Adlerzia* as senior synonym of *Stenothorax*: Brown, 1952a: 110; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 19; Bolton, 2003: 208.

***Adlerzia* catalogues:** Emery, 1922e: 182; Taylor & Brown, 1985: 53; Taylor, 1987a: 5; Bolton, 1995b: 58.

***Adlerzia* references:** Emery, 1922e: 182 (diagnosis); Brown, 1952j: 173 (review of genus); Shattuck, 1999: 122 (synopsis).

### **AENICTOGITON** [Dorylinae]

***Aenictogiton*** Emery, 1901d: 49. Type-species: *Aenictogiton fossiceps* Emery, 1901d: 49, by monotypy.

#### **Taxonomic history**

*Aenictogiton* in Dorylidae, Dorylinae, Aenictogitonini: Ashmead, 1905b: 381.

*Aenictogiton* in Dorylinae, Dorylini: Wheeler, W.M. 1910g: 137.

*Aenictogiton* in Dorylinae, Ecitonini: Emery, 1910b: 27 [Ecitini]; Forel, 1917: 240; Wheeler, W.M. 1922a: 636; Donisthorpe, 1943f: 620.

*Aenictogiton* in Ponerinae, Aenictogitonini: Brown, 1975: 43; Dlussky & Fedoseeva, 1988: 79; Hölldobler & Wilson, 1990: 11.

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

*Aenictogiton* in Aenictogitoninae: Baroni Urbani, *et al.* 1992: 315; Bolton, 1994: 14; Bolton, 1995b: 19; Bolton, 2003: 38, 150.

*Aenictogiton* in Dorylinae: Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 73.

*Aenictogiton* as genus: all authors.

***Aenictogiton* catalogues:** Emery, 1910b: 27; Wheeler, W.M. 1922a: 750; Bolton, 1995b: 58; Borowiec, M.L. 2016: 77 (species checklist); Fisher & Bolton, 2016: 184 (checklist).

***Aenictogiton* references:** Emery, 1910b: 27 (diagnosis of male); Santschi, 1924b: 200 (**all species key**); Brown, 1975: 43 (diagnosis of male, review of genus); Baroni Urbani, *et al.* 1992: 315 (phylogeny); Bolton, 1994: 14 (synopsis); Bolton, 2003: 37, 150 (diagnosis, synopsis); Brady & Ward, 2005: 593 (phylogeny); Brady, *et al.* 2006: 18173 (phylogeny); Ward, 2007a: 555 (classification); Brady, *et al.* 2014: 4 (phylogeny); Borowiec, M.L. 2016: 73 (worker diagnosis); Fisher & Bolton, 2016: 182 (worker diagnosis).

### **AENICTUS** [Dorylinae]

***Aenictus*** Shuckard, 1840b: 266. Type-species: *Aenictus ambiguus* Shuckard, 1840b: 268, by original designation.

#### **Taxonomic history**

*Aenictus* in Dorylidae: Shuckard, 1840b: 266; Smith, F. 1859b: 9; Smith, F. 1871a: 336.

*Aenictus* in Dorylinae: Mayr, 1865: 17 [Dorylidae]; Forel, 1878: 365 (footnote) [Dorylidae]; Dalla Torre, 1893: 7 [Dorylinae]; Emery, 1896e: 174 [Dorylinae].

*Aenictus* in Dorylinae, Dorylini: Emery, 1895j: 765 [Dorylini]; Wheeler, W.M. 1910g: 137.

*Aenictus* in Dorylidae, Ecitoninae, Aenictini: Ashmead, 1905b: 381; Ashmead, 1906: 25.

*Aenictus* in Dorylinae, Ecitonini: Forel, 1893a: 163; Forel, 1901a: 464; Emery, 1910b: 28 [Ecitini]; Santschi, 1914b: 67 [Ecitini]; Arnold, 1915: 136; Forel, 1917: 240; Wheeler, W.M. 1922a: 634; Wheeler, W.M. & Chapman, 1925: 47; Donisthorpe, 1943f: 620; Chapman & Capco, 1951: 10; Wheeler, G.C. & Wheeler, J. 1985: 256.

*Aenictus* in Dorylinae, Aenictini: Borgmeier, 1954c: 212; Borgmeier, 1955: 57; Dlussky & Fedoseeva, 1988: 79; Hölldobler & Wilson, 1990: 11.

*Aenictus* in Aenictinae: Bolton, 1990c: 1358; Baroni Urbani, *et al.* 1992: 315; Bolton, 1994: 12; Bolton, 1995b: 19; Wu, J. & Wang, 1995: 49; Bolton, 2003: 36, 147.

*Aenictus* in Dorylinae: Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 78.

*Aenictus* as genus: all authors.

*Aenictus* as senior synonym of *Paraenictus*: Wilson, 1964: 444; Bolton, 1973a: 357; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 19; Tang, J., Li, *et al.* 1995: 42; Bolton, 2003: 147; Borowiec, M.L. 2016: 78.

*Aenictus* as senior synonym of *Typhlatta*: Forel, 1890b: ciii; Dalla Torre, 1893: 7; Bingham, 1903: 6; Emery, 1910b: 28; Wilson, 1964a: 444; Bolton, 1973a: 357; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 19; Tang, J., Li, *et al.* 1995: 42; Bolton, 2003: 147; Borowiec, M.L. 2016: 78.

[**ENICTUS**: incorrect subsequent spelling by Walker, 1860: 306, Smith, F. 1865: 79.]

**Aenictus catalogues**: Mayr, 1863: 394, 457 (*Aenictus*, *Typhlatta*); Roger, 1863b: 36, 41 (*Typhlatta*, *Aenictus*); Dalla Torre, 1893: 7; Emery, 1895j: 746 (Africa); Emery, 1910b: 29; Wheeler, W.M. 1922a: 751 (Afrotropical); Chapman & Capco, 1951: 10 (Asia); Taylor & Brown, 1985: 52 (Australia); Taylor, 1987a: 6 (Australia); Bolton, 1995b: 58; Borowiec, M.L. 2016: 85 (species checklist); Fisher & Bolton, 2016: 186 (Afrotropical checklist).

**Aenictus references**: Mayr, 1865: 17 (*Aenictus*, *Typhlatta* diagnoses); Mayr, 1879: 668 (*Typhlatta* species key); Forel, 1901a: 464 (India and Sri Lanka species key); Bingham, 1903: 6 (diagnosis, India, Sri Lanka and Burma species key); Ashmead, 1906: 24 (genera key); Emery, 1910b: 28, 29 (diagnosis, catalogue); Arnold, 1915: 136, 137 (diagnosis, South Africa species key); Wheeler, W.M. 1930g: 198, 207 (*A. (Typhlatta)* and Philippines *A. (Aenictus)* species keys); Wilson, 1964a: 436 (**Indo-Australian species, revision, key**); Billen & Gotwald, 1988: 293 (Dufour's gland); Terayama & Yamane, 1989: 602 (Indonesia, Sumatra species key); Dlussky, *et al.* 1990: 179 (Turkmenistan species key); Bolton, 1990c: 1358 (diagnosis, morphology, phylogeny); Baroni Urbani, *et al.* 1992: 315 (phylogeny); Bolton, 1994: 12 (diagnosis, synoptic classification); Xu, 1994a: 118 (China species key); Bolton, 1995a: 1047 (census); Wu, J. & Wang, 1995: 50 (China species key); Hölldobler, *et al.* 1996: 158 (metatibial gland); Shattuck, 1999: 58 (Australia synopsis); Billen, *et al.* 1999: 307 (postpygidial gland); Zhou, 2001b: 58 (China, Guangxi species key); Perfilieva, 2002: 1239 (venation); Brady, 2003: 6575 (phylogeny); Bolton, 2003: 36, 146 (diagnosis, synopsis); Brady & Ward, 2005: 593 (phylogeny); Moreau, Bell, *et al.* 2006: 102 (phylogeny); Brady, Schultz, *et al.* 2006: 18173 (phylogeny); Ward, 2007a: 555 (classification); Shattuck, 2008c: 3 (**Australia species revision, key**); Terayama, 2009: 124 (Taiwan species key); Jaitrong, *et al.* 2010: 34 (*A. wroughtonii* group key); Jaitrong & Yamane, 2010: 329 (*A. silvestrii* group key); Jaitrong, *et al.* 2011: 321 (Laos species key); Keller, 2011: 1 (morphology, phylogeny); Jaitrong & Yamane, 2011: 4, 11, 24 (*Aenictus* species groups key, *A. currax* group key, *A. laeviceps* group key); Jaitrong & Yamane, 2012: 52, 67 (*A. javanus* and *A. philippinensis* groups keys); Bharti, *et al.* 2012: 293 (India species key); Jaitrong & Wiwatwitaya, 2013: 98 (Southeast Asian *A. pachycerus* group key); Jaitrong & Yamane, 2013: 169 (*A. ceylonicus* group revision, key); Brady, *et al.* 2014: 4 (phylogeny); Eguchi, *et al.* 2014: 20 (diagnosis, Vietnam synopsis); Borowiec, M.L. 2016: 78 (diagnosis); Fisher & Bolton, 2016: 184 (diagnosis); Wong & Guénard, 2016a: 37 (*A. minutulus* group key); Jaitrong & Ruangsittichai, 2018: 112 (Asian *A. wroughtonii* group key).

**AEROMYRMA** [junior synonym of *Carebara*]

**Aeromyrma** Forel, 1891b: 198. Type-species: *Aeromyrma nosindambo* Forel, 1891b: 199, by monotypy.

### **Taxonomic history**

[*Aeromyrma* also described as new by Forel, 1891a: cccvii; no species-rank taxa named.]

[*Aeromyrma* also described as new by Emery, 1891a: 577 (attributed to Forel).]

*Aeromyrma* in Myrmicinae: Forel, 1891b: 198 [Myrmicidae]; Dalla Torre, 1893: 78 [Myrmicinae].

*Aeromyrma* 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.

*Aeromyrma* in Myrmicinae, Pheidologetini: Emery, 1914a: 41; Arnold, 1916: 256; Forel, 1917: 243; Emery, 1924d: 215 [subtribe Pheidologetini].

*Aeromyrma* as genus: Forel, 1891b: 198; Dalla Torre, 1893: 78; Ashmead, 1905b: 383; Emery, 1914a: 41; Arnold, 1916: 256; Forel, 1917: 243; Wheeler, W.M. 1922a: 663, 882.

*Aeromyrma* as subgenus of *Oligomyrmex*: Emery, 1915c: 59 (footnote); Emery, 1924d: 215; Donisthorpe, 1943f: 620.

*Aeromyrma* as junior synonym of *Oligomyrmex*: Ettershank, 1966: 119; Bolton, 1973a: 352; Smith, D.R. 1979: 1389; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 110; Bolton, 1995b: 19; Tang, J., Li, *et al.* 1995: 74; Bolton, 2003: 215.

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

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

**AETHIOPOPONE** [junior synonym of *Zasphinctus*]

**Aethiopopone** Santschi, 1930a: 49. Type-species: *Sphinctomyrmex rufiventris* Santschi, 1915c: 244, by monotypy.

#### **Taxonomic history**

*Aethiopopone* in Cerapachyinae, Cerapachyini: Donisthorpe, 1943f: 620.

*Aethiopopone* as junior synonym of *Sphinctomyrmex*: Bolton, 1973a: 341; Brown, 1975: 31; ; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 19; Bolton, 2003: 142.

*Aethiopopone* as junior synonym of *Zasphinctus*: Borowiec, M.L. 2016: 237.

[**AETHIOPONE**: incorrect subsequent spelling by Donisthorpe, 1943f: 620.]

\***AFROMYRMA** [*incertae sedis* in Myrmicinae]

\***Afromyrma** Dlussky, *et al.* 2004: 9. Type-species: \**Afromyrma petrosa* Dlussky, *et al.* 2004: 9, by original designation.

#### **Taxonomic history**

\**Afromyrma incertae sedis* in Myrmicinae: Dlussky, *et al.* 2004: 9; Ward, *et al.* 2015: 77.

\**Afromyrma* in Myrmicinae: Barden, 2017: 3.

\**Afromyrma* as genus: all authors.

\***AFROPONE** [*incertae sedis* in Ponerinae]

\***Afropone** Dlussky, *et al.* 2004: 5. Type-species: \**Afropone oculata* Dlussky, *et al.* 2004: 7, by original designation.

#### **Taxonomic history**

\**Afropone* in Ponerinae: Dlussky, *et al.* 2004: 5; Barden, 2017: 3.

\**Afropone* as genus: all authors.

\***Afropone** references: Archibald, *et al.* 2006: 511 (discussion of taxonomy).

**AFROXYIDRIS** [junior synonym of *Carebara*]

**Afroxyidris** Belshaw & Bolton, 1994: 631. Type-species: *Afroxyidris crigensis* Belshaw & Bolton, 1994: 632, by original designation.

#### **Taxonomic history**

*Afroxyidris* in Myrmicinae, Pheidologetonini: Belshaw & Bolton, 1994: 632; Bolton, 1994: 106; Bolton, 1995b: 19.

*Afroxyidris* in Solenopsidini: Bolton, 2003: 61, 208.

*Afroxyidris* as genus: Bolton, 1994: 106; Bolton, 1995b: 19; Bolton, 2003: 61, 208.

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

\***AGASTOMYRMA**

\**Agastomyrma* Dlussky, Rasnitsyn & Perfilieva, 2015: 143. Type-species: \**Agastomyrma laticeps* Dlussky, Rasnitsyn & Perfilieva, 2015: 143, by original designation.

**Taxonomic history**

\**Agastomyrma* in Myrmicinae: Dlussky, Rasnitsyn & Perfilieva, 2015: 143.

**AGRAULOMYRMEX** [Formicinae: Plagiolepidini]

*Agraulomyrmex* Prins, 1983: 2. Type-species: *Agraulomyrmex meridionalis* Prins, 1983: 2, by original designation.

**Taxonomic history**

*Agraulomyrmex* in Formicinae, Plagiolepidini: Prins, 1983: 2; Hölldobler & Wilson, 1990: 18; Bolton, 1994: 51; Bolton, 1995b: 19; Bolton, 2003: 23, 101; Ward, Blaimer & Fisher, 2016: 348.

*Agraulomyrmex* as genus: all authors.

*Agraulomyrmex* **catalogue**: Bolton, 1995b: 61; Fisher & Bolton, 2016: 188 (Afrotropical checklist).

*Agraulomyrmex* **references**: Fisher & Bolton, 2016: 186 (diagnosis).

\***AGROECOMYRMEX** [Agroecomyrmecinae: Agroecomyrmecini]

\**Agroecomyrmex* Wheeler, W.M. 1910a: 265. Type-species: \**Myrmica duisburgi* Mayr, 1868b: 87, by original designation.

**Taxonomic history**

[\**Agroecomyrmex* also described as new by Wheeler, W.M. 1915h: 56.]

\**Agroecomyrmex* in Myrmicinae, Myrmecini: Wheeler, W.M. 1915h: 56.

\**Agroecomyrmex* in Myrmicinae, Myrmecini: Donisthorpe, 1943f: 621.

\**Agroecomyrmex* in Myrmicinae, Agroecomyrmecini: Carpenter, 1930: 34; Brown & Kempf, 1968: 184; Bolton, 1995b: 19; Baroni Urbani & De Andrade, 2007: 75.

\**Agroecomyrmex* in Agroecomyrmecinae, Agroecomyrmecini: Bolton, 2003: 52, 181; Ward, *et al.* 2015: 65.

\**Agroecomyrmex* as genus: all authors.

[\***AGRAECOMYRMEX**: incorrect subsequent spelling by Donisthorpe, 1943f: 621.]

\**Agroecomyrmex* **catalogue**: Bolton, 1995b: 61.

\**Agroecomyrmex* **references**: Brown & Kempf, 1968: 184 (review of genus); Bolton, 1994: 105 (synoptic classification); Dlussky, 1997: 60 (in Baltic amber genera key).

**ALAO PONE** [junior synonym of *Dorylus*]

*Alaopone* Emery, 1881a: 274. Type-species: *Alaopone oberthueri* Emery, 1881a: 274 (junior synonym of *Dorylus orientalis* Westwood, 1835: 72), by subsequent designation of Emery, 1910b: 15.

**Taxonomic history**

[Type-species not *Typhlopone carteri* Ashmead, 1906: 26, *nomen nudum* (attributed to Shuckard).]

*Alaopone* in Dorylidae, Dorylinae, Dorylini: Ashmead, 1905b: 381.

*Alaopone* in Dorylinae, Dorylini: Emery, 1910b: 14.

*Alaopone* as genus: Emery, 1881a: 274; Ashmead, 1905b: 381; Ashmead, 1906: 26.

*Alaopone* as subgenus of *Dorylus*: Emery, 1895j: 702; Forel, 1901a: 463; Emery, 1910b: 14; Wheeler, W.M. 1910g: 137; Santschi, 1914b: 65; Arnold, 1915: 133; Forel, 1917: 239; Wheeler, W.M. 1922a: 633; Santschi, 1939a: 143; Donisthorpe, 1943f: 621; subsequent authors; Bolton, 1995b: 19; Bolton, 2003: 149.

*Alaopone* as junior synonym of *Dorylus*: Dalla Torre, 1893: 9; Bingham, 1903: 1; Brown, 1973b: 178 [provisional]; Hölldobler & Wilson, 1990: 11; Tang, J., Li, *et al.* 1995: 43; Borowiec, M.L. 2016: 112.

[Note: world list of species in former subgenus *D. (Alaopone)*: Emery, 1910b: 14; Santschi, 1939a: 147; Bolton, 1995b: 181.]

**ALFARIA** [junior synonym of *Gnamptogenys*]

**Alfaria** Emery, 1896e: 177 (diagnosis in key). Type-species: *Alfaria simulans* Emery, 1896e: 177 (footnote), by original designation.

**Taxonomic history**

[*Alfaria* also described as new by Emery, 1896g: 41.]

*Alfaria* in Ponerinae: Emery, 1896e: 177 [Ponerinae].

*Alfaria* in Ponerinae, Ponerini: Forel, 1899c: 3.

*Alfaria* in Pachycondyliinae, Ectatommini: Ashmead, 1905b: 382.

*Alfaria* in Ponerinae, Ectatommini: Wheeler, W.M. 1910g: 135; Emery, 1911d: 46; Forel, 1917: 236; Wheeler, W.M. 1922a: 642; subsequent authors.

*Alfaria* as genus: Forel, 1899c: 3; Ashmead, 1905b: 382; Wheeler, W.M. 1910g: 135; Emery, 1911d: 46; Forel, 1917: 236; Wheeler, W.M. 1922a: 642;

*Alfaria* as junior synonym of *Gnamptogenys*: Brown, 1958g: 211; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 19; Bolton, 2003: 174.

**ALISTRUMA** [junior synonym of *Colobostruma*]

**Alistruma** Brown, 1948e: 117. Type-species: *Epopostruma foliacea* Emery, 1897c: 573, by original designation.

**Taxonomic history**

*Alistruma* in Myrmicinae, Dacetini: Brown, 1948e: 117.

*Alistruma* in Myrmicinae, Dacetini, Epopostrumiti: Brown, 1954b: 465; Brown & Wilson, 1959b: 281.

*Alistruma* as junior synonym of *Colobostruma*: Brown, 1959c: 1; Brown & Wilson, 1959b: 281; Bolton, 1983: 270; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 19; Bolton, 1999: 1679; Shattuck, 2000: 31; Bolton, 2003: 186.

**ALLOFORMICA** [Formicinae: Formicini]

**Alloformica** Dlussky, 1969a: 219 [as subgenus of *Proformica*]. Type-species: *Formica aberrans* Mayr, 1877: 7, by original designation.

**Taxonomic history**

*Alloformica* in Formicinae, *Formica* genus group: Agosti, 1991: 295;

*Alloformica* in Formicinae, Formicini: Dlussky & Fedoseeva, 1988: 77; Agosti, 1994a: 93; Bolton, 1994: 50; Bolton, 1995b: 19; Bolton, 2003: 126; Ward, Blaimer & Fisher, 2016: 346.

*Alloformica* as subgenus of *Proformica*: Dlussky, 1969a: 219.

*Alloformica* as junior synonym of *Proformica*: Hölldobler & Wilson, 1990: 18.

*Alloformica* as genus: Dlussky & Fedoseeva, 1988: 77; Agosti, 1994a: 99; Bolton, 1995b: 19; Bolton, 2003: 28, 126.

**Alloformica catalogue**: Bolton, 1995b: 61.

**Alloformica references**: Dlussky, *et al.* 1990: 142 (Turkmenistan species key); Agosti, 1994a: 99 (diagnosis, review of genus).

\***ALLOIOMMA** [*incertae sedis* in Dolichoderinae]

\***Alloiomma** Zhang, J. 1989: 282. Type-species: \**Alloiomma changweiensis* Zhang, J. 1989: 282, by original designation.

**Taxonomic history**

\**Alloiomma* in Dolichoderinae: Zhang, J. 1989: 282.

\**Alloiomma* in Dolichoderinae, Dolichoderini: Bolton, 2003: 19, 82.

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

\**Alloiomma* as genus: all authors.

**ALLOMERUS** [Myrmicinae: Attini]

*Allomerus* Mayr, 1878: 873. Type-species: *Allomerus decemarticulatus* Mayr, 1878: 874, by subsequent designation of Wheeler, W.M. 1911f: 158.

**Taxonomic history**

*Allomerus* in Myrmicinae: Dalla Torre, 1893: 78 [Myrmicinae]; Emery, 1896e: 183 [Myrmicinae].

*Allomerus* in Myrmicinae, Myrmicini: Forel, 1895b: 125; Emery, 1895j: 769.

*Allomerus* in Myrmicinae, Stenammini: Ashmead, 1905b: 383.

*Allomerus* in Myrmicinae, *Megalomyrmex* genus group: Ettershank, 1966: 81.

*Allomerus* in Myrmicinae, *Solenopsis* genus group: Bolton, 1987: 271; Brandão, 1991: 324.

*Allomerus* in Myrmicinae, Megalomyrmecini: Dlussky & Fedoseeva, 1988: 80.

*Allomerus* in Myrmicinae, Solenopsidini: Wheeler, W.M. 1910g: 140; Emery, 1914a: 41 [subtribe Monomoriini]; Forel, 1917: 243; Emery, 1922e: 188 [subtribe Monomoriini]; Wheeler, W.M. 1922a: 663; Kempf, 1972a: 18; Hölldobler & Wilson, 1990: 16; Jaffe, 1993: 10; Bolton, 1994: 106; Bolton, 1995b: 19; Bolton, 2003: 61, 208.

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

*Allomerus* as genus: all authors.

*Allomerus* **catalogues**: Dalla Torre, 1893: 78; Emery, 1922e: 188; Ettershank, 1966: 111; Kempf, 1972a: 18; Bolton, 1995b: 61.

*Allomerus* **references**: Emery, 1922e: 188 (diagnosis); Ettershank, 1966: 111 (diagnosis, review of genus); Bolton, 1987: 282 (review of genus); Fernández, 2007a: 163 (**all species revision, key**); Baccaro, *et al.* 2015: 208 (genus in Brazil); Fernández & Serna, 2019: 834 (Colombia species).

**ALLOPHEIDOLE** [junior synonym of *Pheidole*]

*Allophidole* Forel, 1912f: 237 [as subgenus of *Pheidole*]. Type-species: *Pheidole kingi* André, 1898: 244 (junior synonym of *Pheidole tepicana* Pergande, 1896: 878), by subsequent designation of Wheeler, W.M. 1913a: 79.

**Taxonomic history**

*Allophidole* as subgenus of *Pheidole*: Forel, 1912f: 237; Forel, 1917: 241; Donisthorpe, 1943f: 621.

*Allophidole* as junior synonym of *Pheidole*: Emery, 1915i: 190; Emery, 1921f: 84; Smith, D.R. 1979: 1366; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 19; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234.

**AMAUROMYRMEX** [junior synonym of *Carebara*]

*Amauromyrmex* Wheeler, W.M. 1929b: 1. Type-species: *Amauromyrmex speculifrons* Wheeler, W.M. 1929b: 1 (junior synonym of *Pheidole silenus* Smith, F. 1858b: 176), by original designation.

**Taxonomic history**

*Amauromyrmex* in Myrmicinae, Pheidologetini: Wheeler, W.M. 1929b: 3; subsequent authors.

*Amauromyrmex* as junior synonym of *Pheidologeton*: Ettershank, 1966: 115; Bolton, 1973a: 354; Hölldobler & Wilson, 1990: 15; Bolton, 1995b: 19; Tang, J., Li, *et al.* 1995: 75; Bolton, 2003: 217.

*Amauromyrmex* as junior synonym of *Carebara*: Fischer, *et al.* 2014: 64.

**AMBLYOPONE** [Amblyoponinae]

*Amblyopone* Erichson, 1842: 260. Type-species: *Amblyopone australis* Erichson, 1842: 261, by monotypy.

## Taxonomic history

*Amblyopone* in Poneridae: Smith, F. 1858b: 108; Smith, F. 1871a: 324.

*Amblyopone* in Ponerinae: Mayr, 1862: 714 (in key) [Poneridae]; Mayr, 1865: 16 [Poneridae]; Emery & Forel, 1879: 455 [Poneridae]; Dalla Torre, 1893: 13 [Ponerinae]; Emery, 1896: 176 [Ponerinae].

*Amblyopone* in Pachycondylinae, Amblyoponini: Ashmead, 1905b: 382.

*Amblyopone* in Ponerinae, Amblyoponini: Emery, 1895c: 261; Emery, 1895j: 766; Emery, 1901a: 34; Wheeler, W.M. 1910g: 134; Emery, 1911d: 25; Forel, 1917: 235; Wheeler, W.M. 1922a: 641; Donisthorpe, 1943f: 621; Brown, 1953c: 11; Kempf, 1972a: 19; Bolton, 1973a: 330; Smith, D.R. 1979: 1334; Bolton, 1995b: 19.

*Amblyopone* in Amblyoponinae: Forel, 1893a: 162; Clark, 1951: 15 (in key); Bolton, 2003: 42, 154.

*Amblyopone* as genus: all authors.

*Amblyopone* as senior synonym of *Neoamblyopone*: Brown, 1949c: 87; Brown, 1960a: 155; Bolton, 1973a: 330; Smith, D.R. 1979: 1334; Hölldobler & Wilson, 1990: 9; Bolton, 1995b: 19; Tang, J., Li, *et al.* 1995: 24; Bolton, 2003: 154.

*Amblyopone* as senior synonym of *Protamblyopone*: Brown, 1949c: 87; Brown, 1960a: 155; Bolton, 1973a: 330; Smith, D.R. 1979: 1334; Hölldobler & Wilson, 1990: 9; Bolton, 1995b: 19; Tang, J., Li, *et al.* 1995: 24; Bolton, 2003: 154.

[**AMBLYOPOPONA**: unjustified emendation of spelling by Schulz, W.A. 1906: 154.]

[**AMBLYOPOPONE**: unjustified emendation of spelling by Dalla Torre, 1893: 13.]

[Note: *Amblyopopona* was treated as a junior synonym of *Amblyopone* by Smith, D.R. 1979: 1334, Bolton, 1994: 164, Bolton, 1995b: 19, Bolton, 2003: 154, and *Amblyopopone* as a junior synonym of *Amblyopone* by Forel, 1893a: 166, Emery, 1911d: 25, Hölldobler & Wilson, 1990: 9, Bolton, 1995b: 19, Tang, J., Li, *et al.* 1995: 24, Bolton, 2003: 154; the names are best regarded as unjustified emendations of spelling.]

[**AMBLOPONE**: incorrect subsequent spelling by Tang, J., Li, *et al.* 1995: 24.]

***Amblyopone* catalogues**: Mayr, 1863: 394; Roger, 1863b: 20; Dalla Torre, 1893: 13; Emery, 1911d: 25; Chapman & Capco, 1951: 22 (Asia); Kempf, 1972a: 19 (Neotropical); Smith, D.R. 1979: 1334 (North America); Taylor & Brown, 1985: 18 (Australia); Taylor, 1987a: 6 (Australia, New Caledonia and New Zealand); Bolton, 1995b: 61.

***Amblyopone* references**: Mayr, 1865: 16 (diagnosis); Emery, 1911d: 25 (diagnosis); Wheeler, W.M. 1927c: 3 (Austral and New Guinea species key); Brown, 1958h: 11 (New Zealand species); Brown, 1960a: 155 (diagnosis, review of genus, **New World species key**: 191); Baroni Urbani, 1978a: 41 (Mediterranean species key); Taylor, 1979: 824 (Melanesia species key); Agosti & Collingwood, 1987b: 264 (Balkans species key); Ogata, 1987: 103 (diagnosis, Japan species); Dlussky & Fedoseeva, 1988: 78 (synoptic classification); Morisita, *et al.* 1989: 11 (Japan species key); Terayama, 1989b: 345 (Taiwan species key); Tinaut, 1990d: 189 (Iberian Peninsula species); Dlussky, *et al.* 1990: 173 (Turkmenistan species key); Lattke, 1991c: 6 (**New World species key**); Atanasov & Dlussky, 1992: 61 (Bulgaria species key); Bolton, 1995a: 1047 (census); Onoyama, 1999: 190 (Japan species key); Shattuck, 1999: 179 (Australia synopsis); Xu, 2001d: 552 (East and South Asia species key); Lacau & Delabie, 2002: 40 (**Neotropical species key**); Xu, 2006: 152 (China species key); Arias-Penna, 2008a: 43 (**Neotropical species key**); Terayama, 2009: 93 (Taiwan species key); Heterick, 2009: 131 (south-western Australia species key); Bharti & Wachkoo, 2011: 590 (India species key); Ward & Fisher, 2016: 689 (phylogeny).

[Note: prior to 2016 *Amblyopone* references usually also include species of some other amblyoponine genera.]

**AMBLYOPOPONA**: unjustified emendation of *Amblyopone*.

**AMBLYOPOPONE**: unjustified emendation of *Amblyopone*.

\***AMEGHINOIA** [junior synonym of \**Archimymex*]

\**Ameghinoia* Viana & Haedo Rossi, 1957: 109. Type-species: \**Ameghinoia piatnitzkyi* Viana & Haedo Rossi, 1957: 113, by original designation.

#### **Taxonomic history**

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

\**Ameghinoia* in Ponerinae, Ponerini?: Kempf, 1972a: 20.

\**Ameghinoia incertae sedis* in Myrmeciinae: Snelling, R.R. 1981: 390; Hölldobler & Wilson, 1990: 11; Brandão, 1991: 322; Bolton, 1994: 73; Bolton, 1995b: 19; Bolton, 2003: 30, 134; Ward & Brady, 2003: 377.

\**Ameghinoia* as genus: Kempf, 1972a: 20; Snelling, R.R. 1981: 390; Hölldobler & Wilson, 1990: 11; Brandão, 1991: 322; Bolton, 1994: 73; Bolton, 1995b: 63; Bolton, 2003: 30, 134.

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

*AMMOMYRMA* [junior synonym of *Dorymyrmex*]

*Ammomyrma* Santschi, 1922b: 365 [as subgenus of *Dorymyrmex*]. Type-species: *Dorymyrmex exsanguis* Forel, 1912h: 38, by original designation.

#### **Taxonomic history**

*Ammomyrma* as subgenus of *Dorymyrmex*: Santschi, 1922b: 365; Gallardo, 1930: 147; Donisthorpe, 1943f: 622; Kusnezov, 1959: 51; Kempf, 1972a: 100.

*Ammomyrma* as junior synonym of *Araucomyrmex*: Snelling, R.R. & Hunt, 1976: 93; Brandão, 1991: 327.

*Ammomyrma* as junior synonym of *Conomyrma*: Hölldobler & Wilson, 1990: 17.

*Ammomyrma* as junior synonym of *Dorymyrmex*: Shattuck, 1992c: 77; Shattuck, 1994: 73; Bolton, 1994: 26; Bolton, 1995b: 20; Bolton, 2003: 87.

*AMYRMEX* [junior synonym of *Leptanilloides*]

*Amyrmex* Kusnezov, 1953b: 333. Type-species: *Amyrmex golbachi* Kusnezov, 1953b: 335, by original designation.

#### **Taxonomic history**

*Amyrmex* in Dolichoderinae, Tapinomini: Kusnezov, 1953b: 333; Kempf, 1972a: 20; Dlussky & Fedoseeva, 1988: 77; Hölldobler & Wilson, 1990: 17; Dubovikov, 2005: 91 [by implication].

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

*Amyrmex* in Dolichoderinae, Dolichoderini: Bolton, 2003: 82.

*Amyrmex* in Leptanilloidinae: Ward & Brady, 2009: 48.

*Amyrmex* in Dorylinae: Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 150.

*Amyrmex* as junior synonym of *Forelius*: Shattuck, 1992c: 87; Shattuck, 1994: 91; Bolton, 1994: 26; Bolton, 1995b: 20.

*Amyrmex* as genus: Kusnezov, 1953b: 333; Kusnezov, 1959: 50; Kempf, 1972a: 20; Dlussky & Fedoseeva, 1988: 77; Hölldobler & Wilson, 1990: 17; Cuzzo, 2000: 271; Bolton, 2003: 82; Ward & Brady, 2009: 49.

*Amyrmex* as junior synonym of *Leptanilloides*: Borowiec, M.L. 2016: 150.

*ANACANTHOLEPIS* [junior synonym of *Plagiolepis*]

*Anacantholepis* Santschi, 1914e: 36 [as subgenus of *Plagiolepis*]. Type-species: *Plagiolepis (Anacantholepis) decora* Santschi, 1914e: 36, by original designation.

#### **Taxonomic history**

[Note: **a problem in nomenclature.** The genus-group name *Anacantholepis* first appears in Santschi, 1914b: 122 (date of publication 25.ii.1914), and includes two species, *P. (A.) jouberti* and *P. (A.) pictipes*. This publication almost certainly antedates Santschi, 1914e: 36 (date of publication (31.xii).1914, according to Bolton, 1995b: 481 and Ward, *et al.* 1996: 319), where two different species are mentioned: *P. (A.) decora*, and *P. (A.) vanderkeleni*. It would appear

that under ICZN Articles 12.2.5, 12.2.6, and 12.2.7 that Santschi, 1914b: 122, provides an indication which renders *Anacantholepis* available from that date. If so, the type-species should be either *jouberti* or *pictipes*. Note that Santschi, 1926a: 15, counts Santschi, 1914e as the initial record. This small nomenclatural tangle remains to be resolved.]

*Anacantholepis* as genus: Chapman & Capco, 1951: 212.

*Anacantholepis* as subgenus of *Plagiolepis*: Santschi, 1914e: 36 Forel, 1917: 249; Arnold, 1922: 581; Wheeler, W.M. 1922a: 696; Emery, 1925b: 22; Donisthorpe, 1943f: 622; Bolton, 1994: 51; Bolton, 1995b: 20.

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

**ANACANTHOPONERA** [junior synonym of *Heteroponera*]

*Anacanthoponera* Wheeler, W.M. 1923e: 176 (in text) [as subgenus of *Acanthoponera*]. Type-species: *Ponera dolo* Roger, 1860: 293, by original designation.

#### **Taxonomic history**

*Anacanthoponera* as subgenus of *Acanthoponera*: Donisthorpe, 1943f: 622.

*Anacanthoponera* as junior synonym of *Heteroponera*: Brown, 1952h: 70; Brown, 1958g: 194 Kempf, 1972a: 117; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 20; Bolton, 2003: 177.

**ANCYLOGNATHUS** [*Nomen nudum*]

*Ancylognathus* Lund, 1831a: 121, 135. Type-species: *Ancylognathus lugubris* Lund, 1831a: 121. *Nomen nudum*.

#### **Taxonomic history**

*Ancylognathus* material referred to *Eciton*: Smith, F. 1855c: 160; Smith, F. 1858b: 148; Mayr, 1863: 409; Roger, 1863b: 36; Mayr, 1865: 76; Dalla Torre, 1893: 1; Forel, 1899c: 22; Emery, 1910b: 19; Kempf, 1972a: 101; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 20; Bolton, 2003: 144, 265.

**ANCYRIDRIS** [Myrmicinae: Crematogastrini]

*Ancyridris* Wheeler, W.M. 1935a: 1. Type-species: *Ancyridris polyrhachioides* Wheeler, W.M. 1935a: 2, by original designation.

#### **Taxonomic history**

*Ancyridris* in Myrmicinae, Pheidolini: Wheeler, W.M. 1935a: 5;

*Ancyridris* in Myrmicinae, Stenammini: Bolton, 1994: 106; Bolton, 1995b: 63; Bolton, 2003: 202.

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

*Ancyridris* as junior synonym of *Lordomyrma*: Brown, 1973b: 178 [provisional].

*Ancyridris* as genus: Hölldobler & Wilson, 1990: 12; Bolton, 1994: 90; Bolton, 1995b: 20; Bolton, 2003: 202; Taylor, 2009: 24.

***Ancyridris* references:** Taylor, 2009: 24 (notes).

**ANDRAGNATHUS** [junior synonym of *Nylanderia*]

*Andragnathus* Emery, 1922d: 111. Type-species: *Andragnathus hubrechtii* Emery, 1922d: 111, by monotypy.

#### **Taxonomic history**

*Andragnathus* in Formicinae, Lasiini: Emery, 1925b: 224.

*Andragnathus* in Formicinae, Acanthomyopsini: Donisthorpe, 1943f: 622.

*Andragnathus* in Formicinae, Formicini: Chapman & Capco, 1951: 197.

*Andragnathus* in Formicinae, Myrmelachistini: Wheeler, G.C. & Wheeler, J. 1985: 258.

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

*Andragnathus* as genus: Emery, 1925b: 224; Donisthorpe, 1943f: 622; Chapman & Capco, 1951: 197; Wheeler, G.C. & Wheeler, J. 1985: 258; Hölldobler & Wilson, 1990: 18.

*Andragnathus* as junior synonym of *Paratrechina*: Agosti & Bolton, 1990a: 75; Bolton, 1995b: 20; Bolton, 2003: 104.

*Andragnathus* as junior synonym of *Nylanderia*: LaPolla, Brady & Shattuck, 2010a: 126.

**ANELEUS** [junior synonym of *Carebara*]

*Aneleus* Emery, 1900c: 327 [as subgenus of *Pheidologeton*]. Type-species: *Solenopsis similis* Mayr, 1862: 751, by subsequent designation of Wheeler, W.M. 1911f: 158.

#### **Taxonomic history**

[Type-species not *Pheidologeton pygmaeus* Emery, 1887b: 465, unjustified subsequent designation by Wheeler, W.M. 1913a: 77; repeated by Emery, 1924d: 214.]

*Aneleus* in Myrmicinae, Solenopsidini: Wheeler, W.M. 1910g: 140; Santschi, 1914b: 77; Wheeler, W.M. 1922a: 663;

*Aneleus* in Pheidologetini: Emery, 1914a: 41; Arnold, 1916: 254; Forel, 1917: 243; Emery, 1924d: 213 [subtribe Pheidologetini].

*Aneleus* as genus: Emery, 1914a: 41; Arnold, 1916: 254; Forel, 1917: 243; Wheeler, W.M. 1922a: 663; Emery, 1924d: 213.

*Aneleus* as junior synonym of *Oligomyrmex*: Ettershank, 1966: 119; Bolton, 1973a: 353; Smith, D.R. 1979: 1389; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 110; Bolton, 1995b: 20; Tang, J., Li, *et al.* 1995: 74; Bolton, 2003: 215.

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

[**ANEULUS**: incorrect subsequent spelling by Ogata, 1991b: 110.]

**ANERGATES** [junior synonym of *Tetramorium*]

*Anergates* Forel, 1874: 67, 93. Type-species: *Myrmica atratula* Schenck, 1852: 91, by monotypy.

#### **Taxonomic history**

*Anergates* in Myrmicinae: Forel, 1874: 67 [Myrmicidae]; Emery, 1877a: 81 [Myrmicidae]; Emery & Forel, 1879: 457 [Myrmicidae]; Dalla Torre, 1893: 64 [Myrmicinae].

*Anergates* in Myrmicinae Formicoxenini: Forel, 1893a: 165.

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

*Anergates* in Myrmicinae Solenopsidini: Emery, 1914a: 41 [subtribe Anergatini]; Emery, 1916b: 167; Forel, 1917: 243; Emery, 1922e: 205 [subtribe Anergatini]; Wheeler, W.M. 1922a: 663; Wheeler, G.C. & Wheeler, J. 1985: 257 (anachronism).

*Anergates incertae sedis* in Myrmicinae: Ettershank, 1966: 81.

*Anergates* in Myrmicinae Tetramoriini: Bolton, 1976: 296; Smith, D.R. 1979: 1401; Dlussky & Fedoseeva, 1988: 80; Bolton, 1994: 106; Bolton, 1995b: 20; Sanetra & Buschinger, 2000: 108; Bolton, 2003: 224.

*Anergates* as genus: Emery, 1877a: 81; Emery & Forel, 1879: 457; Dalla Torre, 1893: 64; Forel, 1893a: 165; Emery, 1895j: 769; Wheeler, W.M. 1910g: 139; Emery, 1914a: 41; Emery, 1916b: 167; Forel, 1917: 243; Emery, 1922e: 205; Wheeler, W.M. 1922a: 663; Ettershank, 1966: 81; Bolton, 1976: 296; Smith, D.R. 1979: 1401; Wheeler, G.C. & Wheeler, J. 1985: 257; Dlussky & Fedoseeva, 1988: 80; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 106; Bolton, 1995b: 20; Sanetra & Buschinger, 2000: 108; Bolton, 2003: 63, 224.

*Anergates* as junior synonym of *Tetramorium*: Ward, *et al.* 2015: 76.

[Note: some authors would prefer to retain *Anergates* 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.]

**ANERGATIDES** [junior synonym of *Pheidole*]

*Anergatides* Wasmann, 1915b: 281. Type-species: *Anergatides kohli* Wasmann, 1915b: 283 (junior secondary homonym; replacement name *Pheidole neokohli* Wilson, 1984: 328), by monotypy.

### **Taxonomic history**

*Anergatides* in Myrmicinae, Pheidolini: Forel, 1917: 243 [subtribe Anergatini]; Emery, 1922e: 116 [subtribe Anergatidini]; Donisthorpe, 1943f: 623.

*Anergatides* in Solenopsidini: Wheeler, W.M. 1922a: 663; Wheeler, G.C. & Wheeler, J. 1985: 257.

*Anergatides* as genus: Forel, 1917: 243; Emery, 1922e: 116; Wheeler, W.M. 1922a: 663; Wheeler, G.C. & Wheeler, J. 1985: 257.

*Anergatides* as junior synonym of *Pheidole*: 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: 20; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234.

### **\*ANEURETELLUS** [Aneuretinae]

\**Aneuretellus* Dlussky, 1988: 54. Type-species: \**Aneuretellus deformis* Dlussky, 1988: 54, by original designation.

### **Taxonomic history**

\**Aneuretellus* in Aneuretinae, Aneuretini: Dlussky, 1988: 54; Dlussky & Fedoseeva, 1988: 78; Shattuck, 1994: 1; Bolton, 1994: 15; Bolton, 1995b: 20; Bolton, 2003: 18, 80.

\**Aneuretellus catalogues*: Shattuck, 1994: 1; Bolton, 1995b: 63.

### **ANEURETUS** [Aneuretinae]

*Aneuretus* Emery, 1893a: cclxxv. Type-species: *Aneuretus simoni* Emery, 1893a: cclxxvi, by monotypy.

### **Taxonomic history**

[*Aneuretus* also described as new by Emery, 1893f: 241.]

*Aneuretus* in Ponerinae: Emery, 1895j: 767; Emery, 1896e: 176 [Ponerinae].

*Aneuretus* in Dolichoderidae: Ashmead, 1905b: 384.

*Aneuretus* in Dolichoderinae: Forel, 1895e: 461; Bingham, 1903: 290; Wheeler, W.M. 1910g: 142.

*Aneuretus* in Dolichoderinae, Aneuretini: Emery, 1913a: 6; Forel, 1917: 247; Wheeler, W.M. 1922a: 688; Donisthorpe, 1943f: 623; Chapman & Capco, 1951: 181; Brown, 1973b: 169; Baroni Urbani, 1989: 147.

*Aneuretus* in Aneuretinae: Clark, 1951: 16 (footnote); Wilson, *et al.* 1956: 93; Snelling, R.R. 1981: 400; Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 16; Bolton, 1990c: 1361; Shattuck, 1992b: 201; Baroni Urbani, *et al.* 1992: 315; Shattuck, 1994: 1; Bolton, 1994: 15; Bolton, 1995b: 20; Bolton, 2003: 18, 80.

*Aneuretus* as genus: all authors.

*Aneuretus catalogues*: Emery, 1913a: 6; Shattuck, 1994: 1; Bolton, 1995b: 63.

*Aneuretus references*: Forel, 1895e: 461 (diagnosis); Bingham, 1903: 290 (diagnosis); Emery, 1913a: 6 (diagnosis); Wilson, *et al.* 1956: 81 (diagnosis, review of subfamily and genus); Eisner, 1957: 453 (proventriculus morphology); Wheeler, G.C. & Wheeler, J. 1972a: 40 (diagnosis); Wheeler, G.C. & Wheeler, J. 1976b: 60 (larvae, review & synthesis); Wheeler, G.C. & Wheeler, J. 1985: 258 (synoptic classification); Bolton, 1990c: 1361 (morphology, status); Shattuck, 1992b: 201 (higher classification, phylogeny); Baroni Urbani, *et al.* 1992: 315 (phylogeny); Bolton, 1994: 15 (diagnosis, synoptic classification); Dlussky & Rasnitsyn, 2002: 414 (diagnosis, wingless impression fossils); Bolton, 2003: 18, 79 (diagnosis, synopsis); Brady, Schultz, *et al.* 2006: 18173 (phylogeny); Moreau, Bell, *et al.* 2006: 102 (phylogeny); Keller, 2011: 1 (morphology, phylogeny); Dlussky & Perfilieva, 2014: 433 (British Eocene species key).

### **ANILLIDRIS** [Dolichoderinae: Leptomyrmecini]

*Anillidris* Santschi, 1936d: 414. Type-species: *Anillidris bruchi* Santschi, 1936d: 414, by original designation.

### **Taxonomic history**

*Anillidris* in Dolichoderinae, Tapinomini: Donisthorpe, 1943f: 623; Hölldobler & Wilson, 1990: 17.  
*Anillidris* in Dolichoderinae Dolichoderini: Shattuck, 1992c: 33; Bolton, 1994: 26; Bolton, 1995b: 20; Bolton, 2003: 83.

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

*Anillidris* as junior synonym of *Linepithema*: Kusnezov, 1958d: 273; Kusnezov, 1959: 50; Kusnezov, 1964: 65; Kempf, 1972a: 135.

*Anillidris* as genus: Santschi, 1936d: 414; Brown, 1973b: 178; Hölldobler & Wilson, 1990: 17; Shattuck, 1992c: 33; Bolton, 1994: 26; Bolton, 1995b: 20; Bolton, 2003: 83; Schmidt, F.A. *et al.* 2013: 25; subsequent authors.

***Anillidris* catalogues:** Shattuck, 1994: 3; Bolton, 1995b: 20.

***Anillidris* references:** Shattuck, 1992c: 33 (diagnosis, review of genus); Schmidt, F.A. *et al.* 2013: 25 (review of genus); Baccaro, *et al.* 2015: 128 (genus in Brazil).

### **ANILLOMYRMA** [Myrmicinae: Solenopsidini]

***Anillomyrma*** Emery, 1913b: 261 [as subgenus of *Monomorium*]. Type-species: *Monomorium decamerum* Emery, 1901e: 117, by monotypy.

#### **Taxonomic history**

*Anillomyrma* in Myrmicinae, *Monomorium* genus group: Ettershank, 1966: 81;

*Anillomyrma* in Myrmicinae, *Solenopsis* genus group: Bolton, 1987: 271;

*Anillomyrma* in Myrmicinae, Monomoriini: Dlussky & Fedoseeva, 1988: 80;

*Anillomyrma* in Myrmicinae, Solenopsidini: Forel, 1917: 242 [subtribe Monomoriini]; Emery, 1922e: 184; Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106; Bolton, 1995b: 20; Bolton, 2003: 61, 208; Ward, *et al.* 2015: 77.

*Anillomyrma* as subgenus of *Monomorium*: Emery, 1913b: 261; Emery, 1915i: 190; Forel, 1917: 242; Emery, 1922e: 184; Wheeler, W.M. 1922a: 675, 686; Donisthorpe, 1943f: 623.

*Anillomyrma* as genus: Ettershank, 1966: 97; Bolton, 1987: 273; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 20; Bolton, 2003: 61, 208.

***Anillomyrma* catalogues:** Emery, 1922e: 184 (*Monomorium (Anillomyrma)*); Ettershank, 1966: 97; Bolton, 1995b: 63.

***Anillomyrma* references:** Emery, 1922e: 184 (*Monomorium (Anillomyrma)* diagnosis); Ettershank, 1966: 97 (diagnosis, review of genus); Bolton, 1987: 273 (diagnosis, **all species revision, key**); Shattuck, 1999: 124 (Australia synopsis); Eguchi, Bui, *et al.* 2009: 31 (diagnosis, review of species); Eguchi, *et al.* 2011: 11 (diagnosis, Vietnam synopsis); Fisher & Bolton, 2016: 189 (diagnosis).

### **ANISOPHEIDOLE** [junior synonym of *Pheidole*]

***Anisopheidole*** Forel, 1914c: 616 (footnote) [as subgenus of *Pheidole*]. Type-species: *Pheidole froggatti* Forel, 1902h: 414 (junior synonym of *Atta antipodum* Smith, F. 1858b: 166), by monotypy.

#### **Taxonomic history**

[*Anisopheidole* also described as new by Forel, 1915b: 61.]

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

*Anisopheidole* in Myrmicinae, Pheidologetini: Wheeler, G.C. & Wheeler, J. 1985: 257; Dlussky & Fedoseeva, 1988: 80; Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106 [Pheidologetonini]; Bolton, 1995b: 20.

*Anisopheidole* in Myrmicinae, Pheidolini: Forel, 1917: 241; Emery, 1921f: 83; Bolton, 2003: 64, 228.

*Anisopheidole* as subgenus of *Pheidole*: Forel, 1914c: 616; Emery, 1915i: 190; Forel, 1917: 241; Emery, 1921f: 83; Wheeler, W.M. 1922a: 673; Donisthorpe, 1943f: 623.

*Anisopheidole* as genus: Ettershank, 1966: 129; Taylor & Brown, 1985: 54; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 20; Bolton, 2003: 64, 228.

*Anisopheidole* as junior synonym of *Pheidole*: Ward, *et al.* 2015: 75.

**ANKYLOMYRMA** [Agroecomyrmecinae: Ankylomyrmini]

*Ankylomyrma* Bolton, 1973c: 235. Type-species: *Ankylomyrma coronacantha* Bolton, 1973c: 235, by original designation.

**Taxonomic history**

*Ankylomyrma* in Myrmicinae, Meranoplini: Bolton, 1973c: 236; Wheeler, G.C. & Wheeler, J. 1985: 257.

*Ankylomyrma incertae sedis* in Myrmicinae: Bolton, 1981b: 248 (in text); Dlussky & Fedoseeva, 1988: 80.

*Ankylomyrma* in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 20.

*Ankylomyrma* in Myrmicinae, Ankylomyrmini: Bolton, 2003: 67, 241.

*Ankylomyrma* in Agroecomyrmecinae, Ankylomyrmini: Ward, *et al.* 2015: 65; Fisher & Bolton, 2016: 190.

*Ankylomyrma* as genus: all authors.

***Ankylomyrma* references:** Bolton, 1981b: 247 (diagnosis, review of genus); Fisher & Bolton, 2016: 190 (diagnosis).

**ANOCHETUS** [Ponerinae: Ponerini]

*Anochetus* Mayr, 1861: 53. Type-species: *Odontomachus ghilianii* Spinola, 1851b: 55, by monotypy.

**Taxonomic history**

*Anochetus* in Odontomachidae: Mayr, 1862: 712; Mayr, 1865: 11; Dours, 1873: 166; Ashmead, 1905b: 382.

*Anochetus* in Ponerinae: Mayr, 1861: 53 [Poneridae]; Emery & Forel, 1879: 455 [Poneridae]; Dalla Torre, 1893: 47 [Ponerinae]; Emery, 1896e: 179 [Ponerinae].

*Anochetus* in Ponerinae, Odontomachini: Forel, 1893a: 163; Emery, 1895j: 768; Forel, 1899c: 18; Wheeler, W.M. 1910g: 136; Emery, 1911d: 106; Arnold, 1915: 103; Forel, 1917: 238; Gallardo, 1918b: 89; Wheeler, W.M. 1922a: 653; Donisthorpe, 1943f: 623; Chapman & Capco, 1951: 31; Wilson, 1959a: 483; Kempf, 1972a: 20; Wheeler, G.C. & Wheeler, J. 1985: 256; Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 11; Jaffe, 1993: 8.

*Anochetus* in Ponerinae, Ponerini: Brown, 1976a: 71; Brown, 1978c: 550 [subtribe Odontomachiti]; Brandão, 1991: 324 [subtribe Odontomachiti]; Bolton, 1994: 164; Bolton, 1995b: 20; Bolton, 2003: 44, 159; in Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 65; subsequent authors.

*Anochetus* as genus: all authors.

*Anochetus* as senior synonym of *Myrmapatetes*: Brown, 1953h: 2; Bolton, 1973a: 333; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 20; Tang, J., Li, *et al.* 1995: 29; Bolton, 2003: 159; Schmidt, C.A. & Shattuck, 2014: 65.

*Anochetus* as senior synonym of *Stenomyrmex*: Forel, 1887: 381; Forel, 1891b: 106; Brown, 1978c: 552; Hölldobler & Wilson, 1990: 11; Brandão, 1991: 324; Bolton, 1995b: 20; Tang, J., Li, *et al.* 1995: 29; Bolton, 2003: 159; Schmidt, C.A. & Shattuck, 2014: 65.

***Anochetus* catalogues:** Mayr, 1863: 394, 454 (*Anochetus*, *Stenomyrmex*); Roger, 1863b: 21, 22 (*Anochetus*, *Stenomyrmex*); Emery & Forel, 1879: 455 (Europe); Dalla Torre, 1893: 47; Emery, 1911d: 107; Wheeler, W.M. 1922a: 790, 1012 (Afrotropical, Malagasy); Chapman & Capco, 1951: 39 (Asia); Kempf, 1972a: 20 (Neotropical); Taylor & Brown, 1985: 20 (Australia); Taylor, 1987a: 7 (Australia); Brandão, 1991: 324 (Neotropical); Bolton, 1995b: 63; Schmidt, C.A. & Shattuck, 2014: 68 (species checklist); Fisher & Bolton, 2016: 193 (Afrotropical, Malagasy checklist).

**Anochetus references:** Mayr, 1865: 11 (*Anochetus*, *Stenomyrmex* diagnoses); André, 1882b: 230 (Europe & Algeria species); Emery, 1884a: 378 (all species key); Emery, 1894c: 185 (Neotropical species key); Forel, 1900c: 58 (India & Sri Lanka species key); Bingham, 1903: 39 (India, Sri Lanka & Burma species key); Emery, 1911d: 107 (diagnosis); Arnold, 1915: 103 (South Africa species key); Gallardo, 1918b: 90 (Argentina species key); Mann, 1919: 303 (New Guinea & Solomon Is species key); Wheeler, W.M. 1922a: 96 (diagnosis); Wheeler, W.M. 1925a: 9 (*Stenomyrmex* species key); Wilson, 1959a: 503 (Melanesia & Moluccas species, revision, key); Kempf, 1964f: 244 (*A. (Stenomyrmex) species key*); Brown, 1978c: 550 (diagnosis, review of genus, **all species revision; Asia, Melanesia & Pacific region species key: 565; Australia species key: 569; Africa, Spain & Madagascar species key: 569; Neotropical species key: 571**); Terayama, 1989a: 26 (Taiwan species key); Wang, M. 1993a: 226 (China species key); De Andrade, 1994: 24 (\*Dominican Amber species key); Bolton, 1995a: 1048 (census); Gronenberg & Ehmer, 1996: 183 (mandible morphology); Collingwood & Agosti, 1996: 309 (Saudi Arabia species key); Shattuck, 1999: 181 (Australia synopsis); Zhou, 2001b: 29 (China, Guangxi species key); Kugler, J. & Ionescu, 2007: 298 (Mediterranean & Middle East species key); Fisher & Smith, 2008: 4 (**Malagasy species revision, key**); González-Campero & Elizalde, 2008: 98 (Argentina & Paraguay species key); Zabala, 2008: 125 (**Neotropical species key**); Terayama, 2009: 117 (Taiwan species key); Shattuck & Slipinska, 2012: 5 (**Australia species key**); Bharti & Wachkoo, 2013: 141 (India species key); Eguchi, *et al.* 2014: 27 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 65 (diagnosis, synopsis); Baccaro, *et al.* 2015: 314 (genus in Brazil); Fisher & Bolton, 2016: 192 (diagnosis); Larabee, *et al.* 2016: 149 (monophyly); Sharaf, Monks, *et al.* 2017: 81 (Arabia species key); Leong, Tsai, *et al.* 2018: 128 (Taiwan species key); Fernández & Guerrero, R.J. 2019: 514 (Colombia species key).

**ANOMALOMYRMA** [Leptanillinae: Anomalomyrmini]

**Anomalomyrma** Taylor, in Bolton, 1990b: 278. Type-species: *Anomalomyrma taylori* Bolton, 1990b: 279, by original designation.

**Taxonomic history**

*Anomalomyrma* in Leptanillinae, Anomalomyrmini: Bolton, 1990b: 278; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 70; Bolton, 1995b: 20; Bolton, 2003: 44, 151.

*Anomalomyrma* as genus: all authors.

**Anomalomyrma catalogues:** Bolton, 1995b: 66.

**Anomalomyrma references:** Borowiec, *et al.* 2011: 10 (diagnosis).

**ANOMMA** [junior synonym of *Dorylus*]

**Anomma** Shuckard, 1840c: 326. Type-species: *Anomma burmeisteri* Shuckard, 1840c: 326, by original designation.

**Taxonomic history**

*Anomma* in Dorylidae: Shuckard, 1840c: 326.

*Anomma* in Poneridae: Smith, F. 1858b: 112; Smith, F. 1871a: 324.

*Anomma* in Ponerinae: Mayr, 1862: 714 (in key) [Poneridae].

*Anomma* in Dorylinae: Mayr, 1865: 17 [Dorylidae]; Forel, 1878: 365 (footnote) [Dorylidae]; Dalla Torre, 1893: 8 [Dorylinae].

*Anomma* in Dorylinae, Dorylini: Forel, 1893a: 163; Ashmead, 1906: 26; Emery, 1910b: 10, subsequent authors.

*Anomma* as genus: Smith, F. 1858b: 112; Mayr, 1862: 737; Mayr, 1863: 394; Roger, 1863b: 20; Mayr, 1865: 17; Dalla Torre, 1893: 8; Forel, 1893a: 163; Mayr, 1893: 200; Ashmead, 1906: 26; Brown, 1973b: 178 [provisional].

*Anomma* as subgenus of *Dorylus*: Savage, 1849: 201 [*Anomma* congeneric with *Dorylus*]; Haldeman, 1849a: 201 [*Anomma* congeneric with *Dorylus*]; Emery, 1895j: 701; Emery,

1910b: 10; Wheeler, W.M. 1910g: 137; Santschi, 1914b: 62; Forel, 1917: 239; Wheeler, W.M. 1922a: 634; Donisthorpe, 1943f: 623; subsequent authors; Bolton, 1995b: 20; Bolton, 2003: 149.

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

[Note: world list of species in former subgenus *D. (Anomma)*: Emery, 1910b: 10; Bolton, 1995b: 181.]

### **ANONYCHOMYRMA** [Dolichoderinae: Leptomyrmecini]

**Anonychomyrma** Donisthorpe, 1947c: 588. Type-species: *Anonychomyrma myrmex* Donisthorpe, 1947c: 589, by monotypy.

#### **Taxonomic history**

*Anonychomyrma* in Dolichoderinae, Anonychomyrmini: Donisthorpe, 1947c: 588.

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

*Anonychomyrma* in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 37; Bolton, 1994: 19; Bolton, 1995b: 20; Bolton, 2003: 19, 83.

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

*Anonychomyrma* as junior synonym of *Iridomyrmex*: Brown, 1973b: 178 [provisional]; Smith, D.R. 1979: 1417; Hölldobler & Wilson, 1990: 17; Tang, J., Li, *et al.* 1995: 89.

*Anonychomyrma* as genus: all authors except Smith, D.R. 1979: 1417; Hölldobler & Wilson, 1990: 17; Tang, J., Li, *et al.* 1995: 89.

**Anonychomyrma catalogues**: Shattuck, 1994: 3; Bolton, 1995b: 66.

**Anonychomyrma references**: Shattuck, 1992a: 13 (diagnosis); Shattuck, 1992c: 37 (diagnosis, review of genus); Dlussky, 1997: 55 (in Baltic amber genera key); Shattuck, 1999: 64 (Australia synopsis); Heterick, 2009: 43 (south-western Australia species key).

[**ANONICHOMYRMA**: incorrect subsequent spelling by Dlussky, 1997: 55, 57.]

### **ANOPOLEPIS** [Formicinae: Plagiolepidini]

**Anoplolepis** Santschi, 1914b: 123 [as subgenus of *Plagiolepis*]. Type-species: *Formica longipes* Jerdon, 1851: 122 (junior primary homonym of *Formica longipes* Latreille, 1802c: 233. *Formica gracilipes* Smith, F. 1857a: 55, first available replacement name (Bolton, 1995b: 67)), by monotypy.

#### **Taxonomic history**

*Anoplolepis* in Camponotinae, Plagiolepidini: Forel, 1917: 249; Arnold, 1922: 593.

*Anoplolepis* in Formicinae: Agosti, 1991: 295, 296 [part in *Oecophylla* genus group, part in *Pseudolasius* genus group].

*Anoplolepis* in Formicinae, Lasiini: Bolton, 2003: 22, 95, 267.

*Anoplolepis* in Formicinae, Plagiolepidini: Wheeler, W.M. 1922a: 696; Emery, 1925b: 16; Santschi, 1926a: 13; subsequent authors; Kempf, 1972a: 22; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 20; Ward, Blaimer & Fisher, 2016: 348.

*Anoplolepis* as subgenus of *Plagiolepis*: Santschi, 1914b: 123; Forel, 1917: 249; Arnold, 1922: 593; Wheeler, W.M. 1922a: 696, 931.

*Anoplolepis* as genus: Emery, 1925b: 16; Santschi, 1926a: 13; subsequent authors; Bolton, 1995b: 20; Bolton, 2003: 23, 95, 267.

*Anoplolepis* as senior synonym of *Zealleyella*: Bolton, 2003: 96, 267.

**Anoplolepis catalogues**: Dalla Torre, 1893: 172 (as part of *Plagiolepis*); Wheeler, W.M. 1922a: 931, 1036 (Afrotropical, Malagasy); Emery, 1925b: 16; Chapman & Capco, 1951: 213 (Asia); Kempf, 1972a: 22 (Neotropical); Taylor & Brown, 1985: 108 (Australia); Bolton, 1995b: 66; Bolton, 2003: 267; Fisher & Bolton, 2016: 196 (Afrotropical, Malagasy checklist).

**Anoplolepis references**: Arnold, 1922: 593 (South Africa, species); Emery, 1925b: 16 (diagnosis); Santschi, 1926a: 13 (subgenera diagnoses); Santschi, 1937g: 83 (subgenera key); Prins, 1982: 235

(South Africa *A. (Zealleyella)* partial revision, key); Dlussky & Fedoseeva, 1988: 77 (synoptic classification); Bolton, 1995a: 1048 (census); Collingwood & Agosti, 1996: 362 (Saudi Arabia species key); Shattuck, 1999: 88 (Australia synopsis); Bolton, 2003: 267 (diagnosis); Fisher & Bolton, 2016: 194 (diagnosis).

[Note: prior to 2003 references may also include *Tapinolepis*.]

**ANOPLOMYRMA** [junior synonym of *Myrma*]

**Anoplomyrma** Chapman, 1963: 258 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis (Anoplomyrma) parabiatica* Chapman, 1963: 258, by monotypy.

**Taxonomic history**

*Anoplomyrma* as subgenus of *Polyrhachis*: Bolton, 1995b: 20.

*Anoplomyrma* as junior synonym of *Polyrhachis*: Brown, 1973b: 178 [provisional].

*Anoplomyrma* as junior synonym of *Myrma*: Dorow, 1995: 30; Bolton, 2003: 123.

[Note: world list of species in *P. (Anoplomyrma)*: Bolton, 1995b: 359.]

**ANTICHTHONIDRIS** [junior synonym of *Monomorium*]

**Antichthonidris** Snelling, R.R. 1975: 5. Type-species: *Monomorium denticulatum* Mayr, 1887: 614, by original designation.

**Taxonomic history**

*Antichthonidris* in Myrmicinae, *Solenopsis* genus group: Bolton, 1987: 271; Brandão, 1991: 326;

*Antichthonidris* in Myrmicinae, Solenopsidini: Hölldobler & Wilson, 1990: 16; Jaffe, 1993: 10; Bolton, 1994: 106; Bolton, 1995b: 20.

*Antichthonidris* as genus: Bolton, 1987: 283; Hölldobler & Wilson, 1990: 12; Brandão, 1991: 322; Jaffe, 1993: 10; Bolton, 1994: 106; Bolton, 1995b: 20.

*Antichthonidris* as junior synonym of *Monomorium*: Heterick, 2001: 361; Bolton, 2003: 214.

**ANTILLAEMYRMEX** [junior synonym of *Temnothorax*]

**Antillaemyrmex** Mann, 1920: 408 [as subgenus of *Macromischa*]. Type-species: *Macromischa (Antillaemyrmex) terricola* Mann, 1920: 423, by original designation.

**Taxonomic history**

*Antillaemyrmex* as subgenus of *Macromischa*: Wheeler, W.M. 1922a: 677; Donisthorpe, 1943f: 624.

*Antillaemyrmex* as genus: Wheeler, W.M. 1931b: 4 (in text), 32.

*Antillaemyrmex* as junior synonym of *Macromischa*: Smith, M.R. 1937: 849; Smith, M.R. 1939e: 502; Kempf, 1972a: 135; Baroni Urbani, 1978b: 398; Smith, D.R. 1979: 1390; Hölldobler & Wilson, 1990: 14; Bolton, 1994: 105.

*Antillaemyrmex* as junior synonym of *Leptothorax*: Snelling, R.R. 1986: 154; Brandão, 1991: 350; Bolton, 1995b: 20.

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

**APEDUNCULATA** [junior synonym of *Pseudomyrmex*]

**Apedunculata** Enzmann, E.V. 1944: 62 [as "branch" of *Pseudomyrma*]. Type-species: *Pseudomyrma sericea* Mayr, 1870a: 412, by original designation.

**Taxonomic history**

*Apedunculata* as junior synonym of *Pseudomyrmex*: Ward, 1990: 469; Bolton, 1995b: 20; Bolton, 2003: 135.

**APHAENOGASTER** [Myrmicinae: Stenammini]

**Aphaenogaster** Mayr, 1853b: 107. Type-species: *Aphaenogaster sardous* Mayr, 1853b: 107, by subsequent designation of Bingham, 1903: 270.

## Taxonomic history

- Aphaenogaster* in Myrmicinae: Mayr, 1855: 466 [Myrmicidae]; Mayr, 1865: 19 [Myrmicidae]; Dours, 1873: 167 [Myrmicidae]; Forel, 1874: 73 [Myrmicidae]; Emery & Forel, 1879: 461 [Myrmicidae]; Cresson, 1887: 260 [Myrmicidae]; Dalla Torre, 1893: 98 [Myrmicinae].
- Aphaenogaster* in Myrmicinae, Myrmicini: Forel, 1891b: 166; Forel, 1895b: 129; Emery, 1895j: 769; Forel, 1899c: 58; Wheeler, W.M. 1910g: 140; Wheeler, W.M. 1915h: 53; Santschi, 1932b: 13; Kempf, 1972a: 22; Brandão, 1991: 326.
- Aphaenogaster* in Myrmicinae, Aphaenogastrini: Enzmann, J. 1947b: 147.
- Aphaenogaster* in Myrmicinae, Pheidolini: Emery, 1877a: 81 [Pheidolidae]; Emery, 1914a: 40; Emery, 1916b: 129; Forel, 1917: 241; Emery, 1921f: 55 [subtribe Stenammini]; Wheeler, W.M. 1922a: 661; Brown, 1949a: 48; Chapman & Capco, 1951: 131; Smith, D.R. 1979: 1359; Bolton, 1995b: 20; Bolton, 2003: 64, 229, 273.
- Aphaenogaster* in Myrmicinae, Stenammini: Ward, *et al.* 2015: 76.
- Aphaenogaster* as junior synonym of *Atta*: Smith, F. 1858b: 161; Mayr, 1863: 395.
- Aphaenogaster* as subgenus of *Stenamma*: Emery, 1895a: 179 (footnote); Emery, 1895c: 298; Emery, 1895j: 769; Forel, 1903a: 693; Forel, 1906b: 87.
- Aphaenogaster* as genus: Mayr, 1863: 458; Roger, 1863b: 29; Mayr, 1865: 19; Dours, 1873: 167; Dalla Torre, 1893: 98; Emery, 1908c: 309; Emery, 1914a: 40; Forel, 1917: 241; Emery, 1921f: 56; Wheeler, W.M. 1922a: 1016; subsequent authors; Bolton, 1995b: 20; Bolton, 2003: 64, 229, 273.
- Aphaenogaster* as senior synonym of *Attomyrma*: Smith, D.R. 1979: 1360; Bolton, 1982: 364; Hölldobler & Wilson, 1990: 12; Ogata, 1991b: 83; Bolton, 1995b: 20; Tang, J., Li, *et al.* 1995: 49; Bolton, 2003: 229.
- Aphaenogaster* as senior synonym of *Deromyrma*: Smith, D.R. 1979: 1359; Bolton, 1982: 364; Hölldobler & Wilson, 1990: 12; Ogata, 1991b: 83; Bolton, 1995b: 20; Tang, J., Li, *et al.* 1995: 49; Bolton, 2003: 229.
- Aphaenogaster* as senior synonym of *Nystalomyrma*: Brown, 1973b: 183 [provisional]; Smith, D.R. 1979: 1360; Bolton, 1982: 364; Hölldobler & Wilson, 1990: 12; Ogata, 1991b: 83; Bolton, 1995b: 20; Tang, J., Li, *et al.* 1995: 49; Bolton, 2003: 229.
- Aphaenogaster* as senior synonym of *Planimyrma*: Brown, 1973b: 184 [provisional]; Smith, D.R. 1979: 1359; Bolton, 1982: 364; Hölldobler & Wilson, 1990: 12; Ogata, 1991b: 83; Bolton, 1995b: 20; Tang, J., Li, *et al.* 1995: 49; Bolton, 2003: 229.
- Aphaenogaster* as senior synonym of *\*Sinaphaenogaster*: Bolton, 2003: 230, 273.
- Aphaenogaster* catalogues:** Roger, 1863b: 29; Mayr, 1863: 395 (*Atta*); Emery & Forel, 1879: 461 (Europe); Cresson, 1887: 260 (U.S.A.); Dalla Torre, 1893: 98; Emery, 1921f: 56, 61, 64, 65, 66 (*Aphaenogaster*, *A. (Attomyrma)*, *A. (Nystalomyrma)*, *A. (Deromyrma)*, *A. (Planimyrma)*); Wheeler, W.M. 1922a: 1016, 1029 (Malagasy *Aphaenogaster*, *Brunella*); Chapman & Capco, 1951: 131 (Asia); Smith, M.R. 1951a: 795 (North America *Aphaenogaster*); Kempf, 1972a: 22 (Neotropical *Aphaenogaster (Deromyrma)*); Smith, D.R. 1979: 1359 (North America); Taylor & Brown, 1985: 54 (Australia); Taylor, 1987a: 8 (Australia); Brandão, 1991: 326 (Neotropical); Bolton, 1995b: 68; Fisher & Bolton, 2016: 198 (Malagasy checklist).
- Aphaenogaster* references:** Mayr, 1855: 466 (diagnosis); Mayr, 1861: 66 (Europe species key, as *Atta*); Mayr, 1865: 19 (diagnosis); Mayr, 1867a: 92 (diagnosis); André, 1874: 195 (Europe species key); Forel, 1874: 74 (Switzerland species key); André, 1883b: 348 (Europe & Algeria species key); Mayr, 1886d: 443 (U.S.A. species key); Emery, 1888a: 531 (*A. (Ischnomyrmex)* species key); Nasonov, 1889: 74 (Russia species key); Forel, 1903a: 693 (India & Sri Lanka species key); Bingham, 1903: 270 (India, Sri Lanka & Burma species key); Ruzsky, 1905b: 714 (Russian Empire species key); Emery, 1908c: 310 (Palaeartic species key); Bondroit, 1910: 495 (Belgium species key); Emery, 1916b: 132 (Italy species key); Wheeler, W.M. 1916m: 585 (U.S.A., Connecticut species key); Wheeler, W.M. 1916j: 213 (Australia species); Bondroit, 1918: 156 (France &

Belgium species key); Emery, 1921f: 55 (diagnosis, subgenera key, catalogue); Emery, 1921f: 56, 61, 64, 65, 66 (*Aphaenogaster*, *A. (Attomyrma)*, *A. (Nystalomyrma)*, *A. (Deromyrma)*, *A. (Planimyрма)*, *Novomessor* diagnoses); Wheeler, W.M. 1922a: 680 (subgenera key); Santschi, 1933c: 389 (*A. (Aphaenogaster* taxonomy); Menozzi, 1939a: 296 (Himalaya & Tibet species key); Stitz, 1939: 112 (Germany species key); Kratochvíl, 1941: 81 (Central Europe species key); Novák & Sadil, 1941: 81 (Central Europe species key); Cole, 1942: 363 (U.S.A., Utah species key); Buren, 1944a: 284 (U.S.A., Iowa species key); Creighton, 1950a: 140 (**Nearctic species key**); Smith, M.R. 1961b: 218 (New Guinea species key); Gregg, 1963: 336 (U.S.A., Colorado species key); Bernard, 1967: 128 (diagnosis, Western Europe species key); Arnol'di, 1976b: 1023 (former U.S.S.R. species key); Kutter, 1977c: 77 (Switzerland species key); Arnol'di & Dlussky, 1978: 536 (former European U.S.S.R. species key); Collingwood, 1978: 79 (Iberian Peninsula species key); Allred, 1982: 439 (U.S.A., Utah species key); Gösswald, 1985: 298 (Germany species key); Wheeler, G.C. & Wheeler, J. 1986g: 35 (U.S.A., Nevada species key); Agosti & Collingwood, 1987b: 269 (Balkans species key); Dlussky & Fedoseeva, 1988: 79 (synoptic classification); Dlussky, *et al.* 1990: 211 (Turkmenistan species key); Ogata, 1991b: 83 (diagnosis, Japan); Morisita, *et al.* 1992: 15 (Japan species key); Atanasov & Dlussky, 1992: 107 (Bulgaria species key); Schulz, A. 1994a: 425 (*A. (Attomyrma)*, partial key); Arakelian, 1994: 29 (Armenia species key); Bolton, 1995a: 1048 (census); Wu, J. & Wang, 1995: 110 (China species key); Umphrey, 1996: 557 (North America *A. fulva* complex key); Cagniant, 1996a: 67 (Morocco species key); Seifert, 1996b: 156 (Central Europe species key); Dlussky, 1997: 57 (in Baltic amber genera key); Collingwood & Prince, 1998: 13 (Portugal species key); Shattuck, 1999: 126 (Australia synopsis); Park & Kim, 2000: 108 (Korea species key); Zhou, 2001b: 142 (China, Guangxi species key); Mackay & Mackay, 2002: 60 (U.S.A., New Mexico species key); Longino & Cover, 2004: 1 (*A. phalangium* complex revision); Radchenko, 2005b: 192 (North Korea species key); Seifert, 2007: 144 (North and Central Europe species key); Shattuck, 2008a: 27 (**Australia, all species revision, key**); Terayama, 2009: 164 (Taiwan species key); Heterick, 2009: 144 (south-western Australia species key); Eguchi, *et al.* 2011: 11 (diagnosis, Vietnam synopsis); Kiran, Alipanah & Paknia, 2013: 49 (Iran species key); Cagniant & Galkowski, 2013: 179 (Morocco species, emended key); Boer, 2013: 62, 63 (Europe *Aphaenogaster*, *A. testaceopilosa* group keys); Borowiec, L. & Salata, 2014a: 42 (Mediterranean *A. ceconii* group key); Fisher & Bolton, 2016: 197 (diagnosis); Radchenko, 2016: 166 (Ukraine species key); Mackay & Dash, 2016: 3 (*A. phalangium* complex key); Sharaf, Fisher, *et al.* 2018: 17 (Arabia species key); Salata & Borowiec, 2018a: 12 (*A. gibbosa* group key); Gómez, Martínez & Espadaler, 2018: 221 (Iberian species key); Fernández & Serna, 2019: 799 (Colombia species key).

**APHANTOLEPIS** [junior synonym of *Technomyrmex*]

*Aphantolepis* Wheeler, W.M. 1930d: 44. Type-species: *Aphantolepis quadricolor* Wheeler, W.M. 1930d: 44, by monotypy.

#### **Taxonomic history**

*Aphantolepis* in Formicinae, Lasiini: Wheeler, W.M. 1930d: 44.

*Aphantolepis* in Formicinae, Prenolepidini: Donisthorpe, 1943f: 624.

*Aphantolepis* as junior synonym of *Technomyrmex*: Brown, 1953h: 5; Bolton, 1973a: 360; Hölldobler & Wilson, 1990: 17; Shattuck, 1992c: 153; Shattuck, 1994: 156; Bolton, 1994: 26; Bolton, 1995b: 20; Tang, J., Li, *et al.* 1995: 93; Bolton, 2003: 92; Bolton, 2007a: 4.

**APHOMOMYRMEX** [Formicinae: Plagiolepidini]

*Aphomomyrmex* Emery, 1899e: 493. Type-species: *Aphomomyrmex afer* Emery, 1899e: 494, by subsequent designation of Wheeler, W.M. 1911f: 159.

#### **Taxonomic history**

*Aphomomyrmex* in Camponotinae, Plagiolepidini: Wheeler, W.M. 1910g: 143.

*Aphomomyrmex* in Formicinae, Dimorphomyrmecini: Emery, 1925b: 44 [subtribe Brachymyrmecini]; Donisthorpe, 1943f: 624.

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

*Aphomomyrmex* in Formicinae, Myrmelachistini: Forel, 1912i: 89; Forel, 1917: 249; Arnold, 1920a: 552; Wheeler, W.M. 1922a: 697; Bolton, 1973a: 362; Hölldobler & Wilson, 1990: 18.

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

*Aphomomyrmex* in Formicinae, Brachymyrmecini: Wheeler, W.M. 1929a: 12; Wheeler, G.C. & Wheeler, J. 1985: 258; Bolton, 1994: 50; Bolton, 1995b: 20.

*Aphomomyrmex* in Formicinae, Plagiolepidini: Ashmead, 1905b: 384; Bolton, 2003: 23, 101; Ward, Blaimer & Fisher, 2016: 348.

*Aphomomyrmex* as genus: all authors.

[**APHOMYRMEX**: incorrect subsequent spelling by Ashmead, 1905a: 111.]

[Note: *Aphomyrmex* incorrectly given as junior synonym of *Pseudaphomomyrmex* by Hölldobler & Wilson, 1990: 18.]

***Aphomomyrmex* catalogues**: Wheeler, W.M. 1922a: 940; Emery, 1925b: 44; Bolton, 1995b: 74; Fisher & Bolton, 2016: 200 (checklist).

***Aphomomyrmex* references**: Arnold, 1920a: 552 (South Africa); Emery, 1925b: 44 (diagnosis); Snelling, R.R. 1979b: 3 (review of genus); Fisher & Bolton, 2016: 199 (diagnosis).

**APHOMYRMEX**: incorrect subsequent spelling of *Aphomomyrmex*.

**APOMYRMA** [Apomyrminae]

*Apomyrma* Brown, *et al.* 1971: 259. Type-species: *Apomyrma stygia* Brown, *et al.* 1971: 264, by original designation.

#### **Taxonomic history**

*Apomyrma* in Ponerinae, Amblyoponini: Brown, *et al.* 1971: 273; Wheeler, G.C. & Wheeler, J. 1985: 256; Hölldobler & Wilson, 1990: 10.

*Apomyrma* in Amblyoponinae: Saux, *et al.* 2004: 465.

*Apomyrma* in Ponerinae, Apomyrmini: Dlussky & Fedoseeva, 1988: 78.

[Note: Apomyrmini is misspelled as Aromyrmini by Dlussky & Fedoseeva, 1988: 78.]

*Apomyrma* in Leptanillinae, Apomyrmini: Bolton, 1990b: 280; Kugler, C. 1992: 106.

*Apomyrma* in Apomyrminae: Baroni Urbani, *et al.* 1992: 316; Bolton, 1994: 16; Bolton, 1995b: 20; Bolton, 2003: 39, 151; Fisher & Bolton, 2016: 200.

*Apomyrma* as genus: all authors.

***Apomyrma* catalogue**: Bolton, 1995b: 74; Fisher & Bolton, 2016: 201 (checklist).

***Apomyrma* references**: Bolton, 1990b: 280 (diagnosis, abdominal morphology); Kugler, C. 1992: 106 (sting structure); Baroni Urbani, *et al.* 1992: 316 (phylogeny); Bolton, 1994: 16 (diagnosis, synoptic classification); Bolton, 2003: 39, 150 (diagnosis, synopsis); Saux, Fisher & Spicer, 2004: 465 (phylogeny, classification); Boudinot, 2015: 22, 23 (apomorphies, diagnosis of male); Fisher & Bolton, 2016: 201 (diagnosis); Ward & Fisher, 2016: 689 (phylogeny).

**APOMYRMEX** [junior synonym of *Tetramorium*]

*Apomyrmex* Calilung, 2000: 66. Type-species: *Apomyrmex manobo* Calilung, 2000: 66, by original designation.

#### **Taxonomic history**

*Apomyrmex incertae sedis* in Myrmicinae: Calilung, 2000: 66.

*Apomyrmex* as junior synonym of *Tetramorium*: Bolton, 2003: 227, 269.

**APOROMYRMEX** [junior synonym of *Plagiolepis*]

**Aporomyrmex** Faber, 1969: 52. Type-species: *Aporomyrmex ampeloni* Faber, 1969: 54, by original designation.

**Taxonomic history**

*Aporomyrmex* in Formicinae, Plagiolepidini: Faber, 1969: 52 [by implication].

*Aporomyrmex* as junior synonym of *Plagiolepis*: Brown, 1973b: 178 [provisional]; Smith, D.R. 1979: 1422; Hölldobler & Wilson, 1990: 18; Bolton, 1994: 51; Bolton, 1995b: 20; Bolton, 2003: 105, 269.

**APSYCHOMYRMEX** [junior synonym of *Adelomyrmex*]

**Apsychomyrmex** Wheeler, W.M. 1910a: 261. Type-species: *Apsychomyrmex myops* Wheeler, W.M. 1910a: 261, by monotypy.

**Taxonomic history**

*Apsychomyrmex* in Myrmicinae, Leptothoracini: Emery, 1914a: 42; Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 268; Donisthorpe, 1943f: 624.

*Apsychomyrmex* as genus: Emery, 1914a: 42; Forel, 1917: 245; Wheeler, W.M. 1922a: 664; Emery, 1924d: 268; Donisthorpe, 1943f: 624.

*Apsychomyrmex* as junior synonym of *Adelomyrmex*: Kempf, 1972a: 7, 18; Hölldobler & Wilson, 1990: 12; Brandão, 1991: 324; Bolton, 1995b: 21; Bolton, 2003: 206.

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

**Apterocrema** Wheeler, W.M. 1936c: 45 (in text) [as subgenus of *Crematogaster*]. Type-species: *Crematogaster (Apterocrema) atitlanica* Wheeler, W.M. 1936c: 47 (junior synonym of *Crematogaster sumichrasti* Mayr, 1870b: 993), by monotypy.

**Taxonomic history**

*Apterocrema* as junior synonym of *Crematogaster*: Brown, 1973b: 178 [provisional]; Smith, D.R. 1979: 1376; Hölldobler & Wilson, 1990: 13.

*Apterocrema* as subgenus of *Crematogaster*: Wheeler, W.M. 1936c: 45; Donisthorpe, 1943f: 624; Kempf, 1972a: 81; Bolton, 1995b: 21; Bolton, 2003: 240.

*Apterocrema* as junior synonym of *Crematogaster*: Brown, 1973b: 178 [provisional]; Ogata, 1991b: 125; Tang, J., Li, *et al.* 1995: 64.

*Apterocrema* as junior synonym of *Crematogaster (Orthocrema)*: Blaimer, 2012c: 52.

[Note: world list of species in former subgenus *C. (Apterocrema)*: Bolton, 1995b: 165.]

**APTEROSTIGMA** [Myrmicinae: Attini]

**Aptero stigma** Mayr, 1865: 111. Type-species: *Aptero stigma pilosum* Mayr, 1865: 113, by monotypy.

**Taxonomic history**

*Aptero stigma* in Myrmicinae: Mayr, 1865: 25 [Myrmicidae]; Dalla Torre, 1893: 149 [Myrmicinae].

*Aptero stigma* in Myrmicinae, Pheidolini: Emery, 1877a: 81 [Pheidolidae].

*Aptero stigma* in Cryptoceridae, Attinae: Ashmead, 1905b: 383.

*Aptero stigma* in Myrmicinae, Attini: Forel, 1893a: 164; Emery, 1895j: 770; Emery, 1896e: 181; Forel, 1899c: 37; Wheeler, W.M. 1910g: 141; Emery, 1913b: 251; Emery, 1914a: 42; Forel, 1917: 247; Wheeler, W.M. 1922a: 669; Emery, 1924d: 337; subsequent authors; Brandão, 1991: 326; Bolton, 1995b: 21; Bolton, 2003: 197; Ward, *et al.* 2015: 77.

*Aptero stigma* as genus: all authors.

**Aptero stigma catalogues**: Dalla Torre, 1893: 149; Emery, 1924d: 337; Kempf, 1972a: 23; Brandão, 1991: 326; Bolton, 1995b: 74.

**Aptero stigma references**: Wheeler, W.M. 1911h: 207 (species key); Emery, 1924d: 337 (diagnosis); Lattke, 1997: 121 (diagnosis, **all species revision, key**); Baccaro, *et al.* 2015: 210 (genus in Brazil); Fernández & Serna, 2019: 837 (Colombia species key).

**APTINOMA** [Dolichoderinae: Tapinomini]

*Aptinoma* Fisher, 2009: 38. Type-species: *Aptinoma mangabe* Fisher, 2009: 40, by original designation.

**Taxonomic history**

*Aptinoma* in Dolichoderinae, Tapinomini: Fisher, 2009: 37; Ward, *et al.* 2010: 361.

*Aptinoma* as genus: all authors.

*Aptinoma* catalogues: Fisher & Bolton, 2016: 203 (checklist).

*Aptinoma* references: Fisher, 2009: 39 (**all species key**); Yoshimura & Fisher, 2011: 9 (Malagasy males); Fisher & Bolton, 2016: 202 (diagnosis).

**\*AQUILOMYRMEX** [\*Haidomyrmecinae]

\**Aquilomyrmex* Perrichot, Wang & Barden, 2020: 10. Type-species: \**Aquilomyrmex huangi* Perrichot, Wang & Barden, 2020: 10, by original designation.

**Taxonomic history**

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

**ARATROMYRMEX** [junior synonym of *Vollenhovia*]

*Aratromyrmex* Stitz, 1938: 105. Type-species: *Aratromyrmex luctuosus* Stitz, 1938: 106, by subsequent designation of Donisthorpe, 1943f: 625.

**Taxonomic history**

*Aratromyrmex* in Myrmicinae, Myrmecini: Donisthorpe, 1943f: 625.

*Aratromyrmex* in Myrmicinae, Pheidolini: Chapman & Capco, 1951: 135.

*Aratromyrmex* as genus: Donisthorpe, 1943f: 625.

*Aratromyrmex* as junior synonym of *Liomyrmex*: Brown, 1973b: 178 [provisional]; Hölldobler & Wilson, 1990: 13 (error).

*Aratromyrmex* as junior synonym of *Vollenhovia*: Baroni Urbani, 1980a: 96; Bolton, 1995b: 21; Bolton, 2003: 206.

**ARAUCOMYRMEX** [junior synonym of *Dorymyrmex*]

*Araucomyrmex* Gallardo, 1919b: 249. Type-species: *Dorymyrmex tener* Mayr, 1868a: 166, by original designation.

**Taxonomic history**

*Araucomyrmex* in Dolichoderinae, Tapinomini: Wheeler, W.M. 1922a: 689; Donisthorpe, 1943f: 625; Kempf, 1972a: 25; Dlussky & Fedoseeva, 1988: 77; Brandão, 1991: 327.

*Araucomyrmex* as genus: Gallardo, 1919b: 249; Wheeler, W.M. 1922a: 689; Kusnezov, 1956: 28; Kusnezov, 1959: 51; Kusnezov, 1964: 66; Kempf, 1972a: 25; Snelling, R.R. 1975: 9; Snelling, R.R. & Hunt, 1976: 93; Dlussky & Fedoseeva, 1988: 77; Brandão, 1991: 327.

*Araucomyrmex* as subgenus of *Dorymyrmex*: Santschi, 1922b: 365; Gallardo, 1930: 147; Kusnezov, 1952g: 428.

*Araucomyrmex* as junior synonym of *Conomyrma*: Snelling, R.R. 1981: 402; Hölldobler & Wilson, 1990: 17.

*Araucomyrmex* as junior synonym of *Dorymyrmex*: Brown, 1973b: 178 [provisional]; Shattuck, 1992c: 77; Shattuck, 1994: 73; Bolton, 1994: 26; Bolton, 1995b: 21; Bolton, 2003: 86.

**ARCHAEOMYRMEX** [junior synonym of *Myrmecina*]

*Archaeomyrmex* Mann, 1921: 448. Type-species: *Archaeomyrmex cacabau* Mann, 1921: 449, by original designation.

**Taxonomic history**

*Archaeomyrmex* in Myrmicinae, Archaeomyrmecini: Mann, 1921: 449; Wheeler, W.M. 1922a: 663.

*Archaeomyrmex* as junior synonym of *Myrmecina*: Brown, 1971a: 1; Smith, D.R. 1979: 1399; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 119; Bolton, 1995b: 21; Tang, J., Li, *et al.* 1995: 72; Bolton, 2003: 255.

\***ARCHAEOPONE** [*incertae sedis* in Formicidae]

\**Archaeopone* Dlussky, 1975: 120. Type-species: \**Archaeopone kzylyzharica* Dlussky, 1975: 121, by original designation.

#### **Taxonomic history**

\**Archaeopone* in Ponerinae: Dlussky, 1975: 120.

\**Archaeopone* in \*Sphecomyrminae: Wilson, 1987: 49.

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

\**Archaeopone* in \*Armaniinae, \*Armaniini: Bolton, 1994: 187; Bolton, 1995b: 21; Bolton, 2003: 73, 259.

\**Archaeopone incertae sedis* in Formicidae: Borysenko, 2017: 14.

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

\**Archaeopone* as genus: Dlussky, 1975: 120; Dlussky, 1983: 67; Dlussky & Fedoseeva, 1988: 77; Carpenter, 1992: 491; Bolton, 1994: 187; Bolton, 1995b: 21; Grimaldi, *et al.* 1997: 7; Bolton, 2003: 73, 259; Borysenko, 2017: 14.

\**Archaeopone* catalogues: Bolton, 1995b: 75.

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

**ARCHEATTA** [junior synonym of *Atta*]

*Archeatta* Gonçalves, 1942: 342 [as subgenus of *Atta*]. Type-species: *Oecodoma mexicana* Smith, F. 1858b: 185, by original designation.

#### **Taxonomic history**

*Archeatta* as genus: Donisthorpe, 1943f: 625.

*Archeatta* as subgenus of *Atta*: Gonçalves, 1942: 342; Borgmeier, 1959b: 350; Kempf, 1972a: 27.

*Archeatta* as junior synonym of *Atta*: Smith, M.R. 1951a: 832; Weber, 1958a: 8; Brown, 1973b: 178 [provisional]; Smith, D.R. 1979: 1413; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 105; Bolton, 1995b: 21; Bolton, 2003: 198; Fernández, *et al.* 2015: 95.

[**ARCHAEATTA**: incorrect subsequent spelling by Hölldobler & Wilson, 1990: 12.]

\***ARCHIMYRMEX** [*incertae sedis* in Myrmeciinae]

\**Archimyrme*x Cockerell, 1923a: 52. Type-species: \**Archimyrme*x *rostratus* Cockerell, 1923a: 52, by monotypy.

#### **Taxonomic history**

\**Archimyrme*x *incertae sedis* in Ponerinae: Cockerell, 1923a: 52.

\**Archimyrme*x in Ponerinae, Myrmeciini: Donisthorpe, 1943f: 625.

\**Archimyrme*x *incertae sedis* in Myrmicinae: Wheeler, W.M. 1928f: 117; Carpenter, 1930: 17; Bolton, 1994: 106; Bolton, 1995b: 21.

\**Archimyrme*x in Myrmeciinae: Dlussky & Rasnitsyn, 2002: 418; Bolton, 2003: 30, 133; Dlussky & Perfilieva, 2003: 40.

\**Archimyrme*x *incertae sedis* in Formicidae: *sensu* Baroni Urbani, 2008: 5.

\* *Archimyrme*x as genus: all authors.

\**Archimyrme*x as senior synonym of \**Ameghinoia*: Dlussky & Rasnitsyn, 2002: 420; Dlussky & Perfilieva, 2003: 44; Bolton, 2003: 370 (postscript).

\**Archimyrme* as senior synonym of \**Polanskiella*: Dlussky & Rasnitsyn, 2002: 420; Dlussky & Perfilieva, 2003: 44; Bolton, 2003: 370 (postscript).

\***Archimyrme** references: Dlussky & Rasnitsyn, 2002: 418, 420 (notes, diagnosis); Dlussky & Perfilieva, 2003: 39 (review of genus); Ward & Brady, 2003: 377 (classification); Dlussky, 2012: 289 (diagnosis).

\***ARCHIPONERA** [Ponerinae: Ponerini]

\**Archiponera* Carpenter, 1930: 27. Type-species: \**Archiponera wheeleri* Carpenter, 1930: 27, by original designation.

#### **Taxonomic history**

\**Archiponera* in Ponerinae, Ectatommini: Wheeler, W.M. 1930f: 13 (in text).

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

\**Archiponera* in Ponerinae, \*Archiponerini: Dlussky & Fedoseeva, 1988: 78.

\**Archiponera* in Ponerinae, Ponerini: Carpenter, 1930: 27; Hölldobler & Wilson, 1990: 10; Bolton, 1994: 164; Bolton, 1995b: 21; Bolton, 2003: 44, 172.

\**Archiponera* as genus: all authors.

ARCTOMYRMEX [junior synonym of *Adelomyrmex*]

*Arctomyrmex* Mann, 1921: 457 [as subgenus of *Adelomyrmex*]. Type-species: *Adelomyrmex (Arctomyrmex) hirsutus* Mann, 1921: 458, by original designation.

#### **Taxonomic history**

*Arctomyrmex* as subgenus of *Adelomyrmex*: Wheeler, W.M. 1922a: 671; Donisthorpe, 1943f: 625.

*Arctomyrmex* as junior synonym of *Adelomyrmex*: Brown, 1973b: 178 [provisional]; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 106; Bolton, 1995b: 21; Bolton, 2003: 207.

### **ARETIDRIS**

*Aretidris* General, 2015: 132. Type-species: *Aretidris buenaventei* General, 2015: 134, by original designation.

#### **Taxonomic history**

*Aretidris* in Myrmicinae, Crematogastrini: General, 2015: 133; in Crematogastrini, *Vollenhovia* genus group: Blaimer, *et al.* 2018: 7.

***Aretidris* references:** General, 2015: 134 (**all species key**).

\***ARMANIA** [\*Sphecomyrminae: \*Sphecomyrmini]

\**Armania* Dlussky, 1983: 67. Type-species: \**Armania robusta* Dlussky, 1983: 68, by original designation.

#### **Taxonomic history**

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

\**Armania* in \*Armaniinae, \*Armaniini: Bolton, 1994: 187; Bolton, 1995b: 21; Bolton, 2003: 73, 259.

\**Armania* in \*Sphecomyrminae: Wilson, 1987: 49.

\**Armania* in \*Sphecomyrminae, \*Sphecomyrmini: Borysenko, 2017: 15, 17.

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

\**Armania* as genus: Dlussky, 1983: 67; Dlussky & Fedoseeva, 1988: 77; Carpenter, 1992: 491; Bolton, 1994: 187; Bolton, 1995b: 21; Grimaldi, *et al.* 1997: 7; Dlussky, 1999a: 63; Bolton, 2003: 73, 259; Borysenko, 2017: 15, 17.

\**Armania* as senior synonym of \**Armaniella*: Dlussky, 1999a: 63; Bolton, 2003: 259.

\****Armania* catalogues:** Bolton, 1995b: 75.

\****Armania* references:** Grimaldi, *et al.* 1997: 5 (notes); Dlussky, 1999a: 63 (diagnosis).

\***ARMANIELLA** [junior synonym of \**Armania*]

\***Armaniella** Dlussky, 1983: 71. Type-species: \**Armaniella curiosa* Dlussky, 1983: 71, by original designation.

**Taxonomic history**

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

\**Armaniella* in \*Armaniinae, \*Armaniini: Bolton, 1994: 187; Bolton, 1995b: 21.

\**Armaniella* in \*Sphecomyrminae: Wilson, 1987: 49.

\**Armaniella* as genus: Dlussky, 1983: 71; Dlussky & Fedoseeva, 1988: 77; Carpenter, 1992: 491; Bolton, 1994: 187; Bolton, 1995b: 21; Grimaldi, *et al.* 1997: 7.

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

\**Armaniella* as junior synonym of \**Armania*: Dlussky, 1999a: 63; Bolton, 2003: 259.

**ARNOLDIDRIS** [junior synonym of *Orectognathus*]

**Arnoldidris** Brown, 1950c: 143. Type-species: *Orectognathus chyzeri* Emery, 1897c: 571, by original designation.

**Taxonomic history**

*Arnoldidris* in Myrmicinae, Dacetini: Brown, 1950c: 143; Brown, 1953k: 87.

*Arnoldidris* in Myrmicinae, Dacetini, Orectognathiti: Brown, 1953k: 85; Brown, 1954b: 465; Brown & Wilson, 1959b: 281.

*Arnoldidris* as junior synonym of *Orectognathus*: Brown, 1973b: 178 [provisional]; Taylor, 1977: 581; Bolton, 1983: 270; Hölldobler & Wilson, 1990: 14; Bolton, 1995b: 21; Bolton, 1999: 1655; Bolton, 2000: 19; Bolton, 2003: 188.

**ARNOLDIUS** [Dolichoderinae: Bothriomyrmecini]

**Arnoldius** Dubovikoff, 2005a: 93. Type-species: *Bothriomyrmex flavus* Crawley, 1922c: 27, by original designation.

**Taxonomic history**

*Arnoldius* in Dolichoderinae, Iridomyrmecini, Bothriomyrmecina: Dubovikoff, 2005a: 93.

*Arnoldius* in Bothriomyrmecini: Ward, *et al.* 2010: 361.

*Arnoldius* as genus: all authors.

**Arnoldius references:** Heterick, 2009: 44 (south-western Australia species key).

**AROTROPUS** [junior synonym of *Stigmatomma*]

**Arotropus** Provancher, 1881a: 205. Type-species: *Arotropus binodosus* Provancher, 1881a: 206 (junior synonym of *Typhlopone pallipes* Haldeman, 1844: 54), by monotypy.

**Taxonomic history**

*Arotropus* as junior synonym of *Amblyopone*: Provancher, 1887: 240; Brown, 1960a: 155; Bolton, 1973a: 330; Smith, D.R. 1979: 1334; Ogata, 1987: 103; Hölldobler & Wilson, 1990: 9; Bolton, 1995b: 21; Tang, J., Li, *et al.* 1995: 24; Bolton, 2003: 154.

*Arotropus* as junior synonym of *Stigmatomma*: Dalla Torre, 1893: 14; Emery, 1911d: 23; Donisthorpe, 1943f: 625; Yoshimura & Fisher, 2012a: 17.

**ASEMORHOPTRUM** [junior synonym of *Stenamma*]

**Asemorhoptrum** Mayr, 1861: 76. Type-species: *Myrmica lippula* Nylander, 1849: 41, by monotypy.

**Taxonomic history**

*Asemorhoptrum* in Myrmicinae: Mayr, 1861: 76 [Myrmicidae]; Mayr, 1865: 20 [Myrmicidae]; Dours, 1873: 168 [Myrmicidae]; Forel, 1874: 80 [Myrmicidae]; Emery, 1877a: 81 [Myrmicidae]; Emery & Forel, 1879: 460; [Myrmicidae].

*Asemorhoptrum* as genus: Mayr, 1863: 395; Roger, 1863b: 27; Mayr, 1865: 20; Dours, 1873: 168; Forel, 1874: 80.

*Asemorhoptrum* as junior synonym of *Stenammas*: André, 1883a: 310; Dalla Torre, 1893: 121; Emery, 1921f: 52; Donisthorpe, 1943f: 626; Smith, D.R. 1979: 1357; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 80; Bolton, 1995b: 21; Bolton, 2003: 205.

[Note: *Asemorhoptrum* as junior synonym of *Proatta*: Snelling, R.R. 1981: 395 (error).]

**ASKETOGENYS** [junior synonym of *Strumigenys*]

*Asketogenys* Brown, 1972: 23. Type-species: *Asketogenys acubecca* Brown, 1972: 23, by original designation.

#### **Taxonomic history**

*Asketogenys* in Myrmicinae, Dacetini: Brown, 1972: 23; subsequent authors.

*Asketogenys* as genus: Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 21.

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

*Asketogenys* as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 15; Baroni Urbani & De Andrade, 2007: 103.

**ASPHINCTANILLOIDES** [junior synonym of *Leptanilloides*]

*Asphinctanilloides* Brandão, *et al.* 1999: 30. Type-species: *Asphinctanilloides anae* Brandão, *et al.* 1999: 32, by original designation.

#### **Taxonomic history**

*Asphinctanilloides* in Leptanilloidinae: Brandão, *et al.* 1999: 30.

*Asphinctanilloides* in Dorylinae: Brady, *et al.* 2014: 4 [by implication].

*Asphinctanilloides* as genus: Brandão, *et al.* 1999: 30; Bolton, 2003: 36, 146; Baccaro, *et al.* 2015: 148.

*Asphinctanilloides* as junior synonym of *Leptanilloides*: Borowiec, M.L. 2016: 150.

**ASPHINCTOPONE** [Ponerinae: Ponerini]

*Asphinctopone* Santschi, 1914d: 318. Type-species: *Asphinctopone silvestrii* Santschi, 1914d: 318, by monotypy.

#### **Taxonomic history**

*Asphinctopone* in Ponerinae, Euponerini: Donisthorpe, 1943f: 626.

*Asphinctopone* in Ponerinae, Ponerini: Forel, 1917: 238 [subtribe Ponerini]; Wheeler, W.M. 1922a: 650; subsequent authors; Bolton, 2003: 44, 160; Bolton & Fisher, 2008a: 53; in Ponerini, *incertae sedis* in *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 70.

*Asphinctopone* as genus: all authors.

*Asphinctopone* as senior synonym of *Lepidopone*: Brown, 1953h: 2; Bolton, 1973a: 334; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 21; Bolton, 2003: 160; Bolton & Fisher, 2008a: 54; Schmidt, C.A. & Shattuck, 2014: 70.

*Asphinctopone* catalogues: Wheeler, W.M. 1922a: 783; Bolton, 1995b: 75; Schmidt, C.A. & Shattuck, 2014: 72 (species checklist); Fisher & Bolton, 2016: 205 (checklist).

*Asphinctopone* references: Dlussky & Fedoseeva, 1988: 78 (synoptic classification); Bolton & Fisher, 2008a: 54, 57 (diagnosis, **all species revision, key**); Hawkes, 2010: 28 (**all species key**); Schmidt, C.A. & Shattuck, 2014: 70 (diagnosis, synopsis); Fisher & Bolton, 2016: 204 (diagnosis).

**ASPIDIDRIS** [junior synonym of *Basiceros*]

*Aspididris* Weber, 1950c: 3. Type-species: *Aspididris militaris* Weber, 1950c: 3, by monotypy.

**Taxonomic history**

*Aspididris* in Myrmicinae, Basicerotini: Brown & Kempf, 1960: 179; Kempf, 1972a: 26; Brandão, 1991: 328.

*Aspididris* as genus: Weber, 1950c: 3; Kempf, 1972a: 26; Wheeler, G.C. & Wheeler, J. 1985: 257; Dlussky & Fedoseeva, 1988: 80; Brandão, 1991: 328.

*Aspididris* as junior synonym of *Basiceros*: Brown, 1974c: 132; Bolton, 1995b: 22; Bolton, 2003: 184.

**\*ASYMPHYLOMYRMEX** [*incertae sedis* in Dolichoderinae]

\**Asymphylomyrmex* Wheeler, W.M. 1915h: 96. Type-species: \**Asymphylomyrmex balticus* Wheeler, W.M. 1915h: 97, by monotypy.

**Taxonomic history**

\**Asymphylomyrmex* in Dolichoderinae, Tapinomini: Wheeler, W.M. 1915h: 96; Donisthorpe, 1943f: 626; Hölldobler & Wilson, 1990: 17.

\**Asymphylomyrmex* in Dolichoderinae, Liometopini: Dlussky & Fedoseeva, 1988: 77.

\**Asymphylomyrmex* in Dolichoderinae, Dolichoderini: Bolton, 1994: 26; Shattuck, 1994: 8; Bolton, 1995b: 21; Bolton, 2003: 19, 83.

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

\**Asymphylomyrmex* as genus: all authors.

\**Asymphylomyrmex* catalogues: Shattuck, 1994: 8; Bolton, 1995b: 75.

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

*ATOPODON* [junior synonym of *Acropyga*]

*Atopodon* Forel, 1912m: 771 [as subgenus of *Acropyga*]. Type-species: *Acropyga (Atopodon) inezae* Forel, 1912m: 772, by subsequent designation of Wheeler, W.M. 1913a: 79.

**Taxonomic history**

[*Atopodon* also described as new by Forel, 1913k: 100.]

*Atopodon* in Camponotinae, Plagiolepidini: Forel, 1917: 249.

*Atopodon* in Formicinae, Plagiolepidini: Wheeler, W.M. 1922a: 695.

*Atopodon* as subgenus of *Rhizomyrma*: Forel, 1917: 249.

*Atopodon* as genus: Wheeler, W.M. 1922a: 695.

*Atopodon* as subgenus of *Acropyga*: Forel, 1912m: 771; Forel, 1913k: 100; Emery, 1925b: 30; subsequent authors; Bolton, 1994: 51; Bolton, 1995b: 21; Bolton, 2003: 95.

*Atopodon* as junior synonym of *Acropyga*: Brown, 1973b: 178 [provisional]; Smith, D.R. 1979: 1423; Hölldobler & Wilson, 1990: 18; LaPolla, 2004a: 16.

[Note: world list of species in former subgenus *A. (Atopodon)*: Emery, 1925b: 30; Bolton, 1995b: 58.]

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

*Atopogyne* Forel, 1911d: 343 [as subgenus of *Crematogaster*]. Type-species: *Crematogaster (Atopogyne) hellenica* Forel, 1911d: 342, by subsequent designation of Wheeler, W.M. 1911f: 159.

**Taxonomic history**

[Type-species not *Formica depressa* Latreille, 1802c: 268, unjustified subsequent designation by Emery, 1912d: 272; repeated by Wheeler, W.M. 1913a: 77, Emery, 1922e: 154, Wheeler, W.M. 1922a: 662, 851, Soulié, 1965: 78.]

*Atopogyne* as genus: Soulié, 1964: 398; Soulié, 1965: 78.

*Atopogyne* as subgenus of *Crematogaster*: Forel, 1911d: 343; Forel, 1917: 242; Arnold, 1920a: 545; Emery, 1922e: 153; Wheeler, W.M. 1922a: 662; subsequent authors; Bolton, 1995b: 21; Bolton, 2003: 239.

*Atopogyne* as junior synonym of *Crematogaster*: Brown, 1973b: 178 [provisional]; Smith, D.R. 1979: 1376; Ogata, 1991b: 125; Hölldobler & Wilson, 1990: 13; Tang, J., Li, *et al.* 1995: 64.

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

[Note: world list of species in former subgenus *C. (Atopogyne)*: Bolton, 1995b: 165.]

### **ATOPOMYRMEX** [Myrmicinae: Crematogastrini]

*Atopomyrmex* André, 1889: 226. Type-species: *Atopomyrmex mocquersyi* André, 1889: 227, by monotypy.

#### **Taxonomic history**

*Atopomyrmex* in Myrmicinae: Dalla Torre, 1893: 60 [Myrmicinae]; Emery, 1896e: 184 [Myrmicinae].

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

*Atopomyrmex* in Myrmicinae, Stenammini: Ashmead, 1905b: 383.

*Atopomyrmex* in Myrmicinae, Myrmecini: Emery, 1912b: 105; Emery, 1914a: 41; Santschi, 1914b: 71; Arnold, 1916: 190; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 239 [subtribe Podomyrmini].

*Atopomyrmex* in Myrmicinae, Podomyrmini: Dlussky & Fedoseeva, 1988: 79.

*Atopomyrmex* in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 21; Bolton, 2003: 70, 244.

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

*Atopomyrmex* as genus: all authors.

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

**Atopomyrmex catalogues**: Dalla Torre, 1893: 60; Wheeler, W.M. 1922a: 885; Emery, 1924d: 239; Bolton, 1995b: 75; Fisher & Bolton, 2016: 208 (checklist).

**Atopomyrmex references**: Emery, 1912b: 102 (diagnosis); Arnold, 1916: 190 (diagnosis); Wheeler, W.M. 1922a: 180 (diagnosis); Emery, 1924d: 239 (diagnosis); Santschi, 1925h: 163 (all species key); Bolton, 1973a: 348 (diagnosis); Bolton, 1981b: 249 (diagnosis, **all species revision, key**); Fisher & Bolton, 2016: 207 (diagnosis).

### **ATOPULA** [junior synonym of *Tetramorium*]

*Atopula* Emery, 1912b: 104. Type-species: *Atopomyrmex nodifer* Emery, 1901f: 115 (footnote), by original designation.

#### **Taxonomic history**

*Atopula* in Myrmicinae, Myrmecini: Emery, 1912b: 105; Emery, 1914a: 41; Forel, 1917: 244; Wheeler, W.M. 1922a: 663; Emery, 1924d: 242 [subtribe Podomyrmini].

*Atopula* in Myrmicinae, Podomyrmini: Dlussky & Fedoseeva, 1988: 79.

*Atopula* as subgenus of *Vollenhovia*: Emery, 1912d: 273 (in text).

*Atopula* as genus: Emery, 1912b: 104; Emery, 1914a: 41; Wheeler, W.M. 1922a: 663, 678 (footnote); Emery, 1924d: 242; Donisthorpe, 1943f: 626; Bernard, 1948: 177 (key); Bernard, 1953b: 242; Wheeler, G.C. & Wheeler, J. 1985: 257; Dlussky & Fedoseeva, 1988: 79.

*Atopula* as subgenus of *Terataner*: Arnold, 1952b: 130.

*Atopula* as junior synonym of *Tetramorium*: Bolton, 1976: 359, 362; Bolton, 1980: 195; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 99; Bolton, 1994: 106; Bolton, 1995b: 21; Tang, J., Li, *et al.* 1995: 78; Bolton, 2003: 227.

### **ATTA** [Myrmicinae: Attini]

*Atta* Fabricius, 1804: 421. Type-species: *Formica cephalotes* Linnaeus, 1758: 581, by subsequent designation of Wheeler, W.M. 1911f: 159.

### **Taxonomic history**

*Atta* in Formicariae: Latreille, 1809: 128; Latreille, 1810: 311.

*Atta* in Formicarides: Leach, 1815: 147.

*Atta* in Myrmicites: Lepeletier de Saint-Fargeau, 1835: 172.

*Atta* in Attidae: Smith, F. 1858b: 161.

*Atta* in Cryptoceridae, Attinae: Ashmead, 1905b: 383.

*Atta* in Myrmicinae: Mayr, 1855: 459 [Myrmicidae]; Smith, F. 1857a: 77 [Myrmicidae]; Mayr, 1861: 65 [Myrmicidae]; Mayr, 1865: 18 [Myrmicidae]; Smith, F. 1871a: 333 [Myrmicidae]; Cresson, 1887: 259 [Myrmicidae]; Dalla Torre, 1893: 150 [Myrmicinae].

*Atta* in Myrmicinae, Attini: Emery, 1877a: 81 [Myrmicidae, Attidae]; Forel, 1893a: 163; Emery, 1895j: 770; Emery, 1896e: 181; Forel, 1899c: 30; Wheeler, W.M. 1910g: 141; Emery, 1913b: 251; Emery, 1914a: 42; Forel, 1917: 247; Wheeler, W.M. 1922a: 669; Emery, 1924d: 352; subsequent authors; Brandão, 1991: 328; Bolton, 1995b: 21; Bolton, 2003: 57, 197; Ward, *et al.* 2015: 77.

*Atta* as genus: all authors.

*Atta* as senior synonym of *Archeatta*: Smith, M.R. 1951a: 832; Weber, 1958a: 8; Brown, 1973b: 178 [provisional]; Smith, D.R. 1979: 1413; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 105; Bolton, 1995b: 21; Bolton, 2003: 198; Fernández, *et al.* 2015: 95.

*Atta* as senior synonym of *Epiatta*: Weber, 1958a: 8; Smith, D.R. 1979: 1413; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 105; Bolton, 1995b: 21; Bolton, 2003: 198; Fernández, *et al.* 2015: 95.

*Atta* as senior synonym of *Neoatta*: Weber, 1958a: 8; Brown, 1973b: 183 [provisional]; Smith, D.R. 1979: 1413; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 105; Bolton, 1995b: 21; Bolton, 2003: 198; Fernández, *et al.* 2015: 95.

*Atta* as senior synonym of *Oecodoma*: Mayr, 1863: 458 (in text); Roger, 1863b: 35; Mayr, 1865: 78; Dalla Torre, 1893: 150; Forel, 1893e: 587; Forel, 1899c: 30; Emery, 1924d: 352; subsequent authors; Bolton, 1995b: 40; Bolton, 2003: 197.

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

*Atta* as senior synonym of *Palaeatta*: Weber, 1958a: 8; Brown, 1973b: 183 [provisional]; Smith, D.R. 1979: 1413; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 105; Bolton, 1995b: 21; Bolton, 2003: 198; Fernández, *et al.* 2015: 95.

[*Myrmegis* Rafinesque, 1815: 124. *Nomen nudum*. Referable to *Atta* because the entry in Rafinesque reads, "6. *Myrmegis* R. *Atta* Latr." (Brown, 1973b: 182).]

***Atta* catalogues:** Mayr, 1863: 395, 437 (*Atta*, *Oecodoma*); Roger, 1863b: 35; Cresson, 1887: 259 (U.S.A.); Dalla Torre, 1893: 150; Emery, 1924d: 352; Chapman & Capco, 1951: 82 (Asia, anachronisms); Smith, M.R. 1951a: 832 (North America); Kempf, 1972a: 26 (Neotropical); Smith, D.R. 1979: 1413 (North America); Brandão, 1991: 328; Bolton, 1995b: 75.

***Atta* references:** Mayr, 1855: 459 (diagnosis); Smith, F. 1858b: 161, 180 (*Atta*, *Oecodoma* diagnoses); Mayr, 1861: 65, 66 (diagnosis, Europe *Atta* species key (*recte* *Aphaenogaster* + *Messor*)); Mayr, 1865: 18 (diagnosis); Gallardo, 1916d: 340 (Argentina species key); Emery, 1924d: 352 (diagnosis); Gonçalves, 1942: 334 (all species key); Gonçalves, 1947a: 186 (south & central Brazil species key); Borgmeier, 1959b: 335 (subgenera key); Borgmeier, 1959b: 337 (diagnosis, **all species revision, key**); Mackay & Mackay, 1988: 25 (Colombia species key); Cherrett & Cherrett, 1989: 1 (bibliography); Fernández, *et al.* 2015: 97 (Colombia species key); Baccaro, *et al.* 2015: 212 (genus in Brazil); Fernández & Serna, 2019: 841 (Colombia species key).

\***ATTAICHNUS** [Myrmicinae: Attini]

\**Attaichnus* Laza, 1982: 112. Included ichnospecies: \**Attaichnus kuenzelii* Laza, 1982: 112.

[Note: ichnofossil, purportedly fossil traces of workings attributable to attine ants.]

### **Taxonomic history**

\**Attaichnus* in Myrmicinae, Attini: Brandão, 1991: 328; Bolton, 1995b: 21; Bolton, 2003: 200; Ward, *et al.* 2015: 77.

*ATTOMYRMA* [junior synonym of *Aphaenogaster*]

*Attomyrma* Emery, 1915d: 70 [as subgenus of *Aphaenogaster*]. Type-species: *Formica subterranea* Latreille, 1798: 49, by original designation.

### **Taxonomic history**

*Attomyrma* as subgenus of *Aphaenogaster*: Emery, 1915d: 70; Emery, 1916b: 129; Emery, 1921f: 56; Santschi, 1932d: 338; Donisthorpe, 1943f: 627.

*Attomyrma* as junior synonym of *Aphaenogaster*: Brown, 1973b: 178 [provisional]; Smith, D.R. 1979: 1360; Bolton, 1982: 364; Hölldobler & Wilson, 1990: 12; Ogata, 1991b: 83; Bolton, 1995b: 21; Tang, J., Li, *et al.* 1995: 49; Bolton, 2003: 229.

[*ATTOMYRMEX*: incorrect subsequent spelling by Azuma, 1950: 34.]

\***ATTOPSIS** [*incertae sedis* in Formicinae]

\**Attopsis* Heer, 1850: 155. Type-species: \**Attopsis longipennis* Heer, 1849: 155, by subsequent designation of Wheeler, W.M. 1911f: 159.

### **Taxonomic history**

[Also described as new by Heer, 1850: 155.]

\**Attopsis* in Myrmicinae: Dalla Torre, 1893: 139 [Myrmicinae]; Handlirsch, 1907: 877.

\**Attopsis* in Myrmicinae, Cataulacini: Donisthorpe, 1943f: 627.

\**Attopsis incertae sedis* in Myrmicinae: Bolton, 1994: 106; Bolton, 1995b: 21; Bolton, 2003: 73, 258; Ward, *et al.* 2015: 77.

\**Attopsis incertae sedis* in Formicinae: Dlussky & Putyatina, 2014: 247.

\**Attopsis* as genus: all authors.

\**Attopsis* references: Dlussky & Putyatina, 2014: 247 (diagnosis).

**AULACOMYRMA** [subgenus of *Polyrhachis*]

*Aulacomyrma* Emery, 1921e: 17 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis (Aulacomyrma) porcata* Emery, 1921e: 20, by original designation.

### **Taxonomic history**

*Aulacomyrma* as junior synonym of *Polyrhachis*: Brown, 1973b: 178 [provisional].

*Aulacomyrma* as subgenus of *Polyrhachis*: Emery, 1921e: 17; Emery, 1925b: 197; subsequent authors; Bolton, 1995b: 21; Dorow, 1995: 12; Bolton, 2003: 125.

*Aulacomyrma* senior synonym of *Johnia*: Hung, 1967b: 402; Dorow, 1995: 12; Bolton, 1995b: 21; Bolton, 2003: 125.

*Aulacomyrma* references: included under *Polyrhachis*.

[Note: world list of species in *P. (Aulacomyrma)*: Emery, 1925b: 197; Dorow, 1995: 12; Bolton, 1995b: 359.]

**AULACOPONE** [Heteroponerinae]

*Aulacopone* Arnol'di, 1930a: 139. Type-species: *Aulacopone relictata* Arnol'di, 1930a: 140, by monotypy.

### **Taxonomic history**

[*Aulacopone* also described as new by Arnol'di, 1930d: 159.]

*Aulacopone* in Ponerinae, Ectatommini: Arnol'di, 1930a: 143; subsequent authors; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 22.

*Aulacopone incertae sedis* in Heteroponerinae: Bolton, 2003: 47, 177.

*Aulacopone* as genus: all authors.

***Aulacopone* catalogues:** Bolton, 1995b: 77.

***Aulacopone* references:** Brown, 1958g: 206 (review of genus); Taylor, 1980c: 353 (review of genus); Lattke, 1994: 113 (notes).

**AUSTROLASIUS** [subgenus of *Lasius*]

***Austrolasius*** Faber, 1967: 74 [as subgenus of *Lasius*]. Type-species: *Lasius carniolicus* Mayr, 1861: 51, by original designation.

**Taxonomic history**

*Austrolasius* as junior synonym of *Lasius*: Brown, 1973b: 179 [provisional]; Hölldobler & Wilson, 1990: 18; Tang, J., Li, *et al.* 1995: 108.

*Austrolasius* as subgenus of *Lasius*: Bolton, 1995b: 22; Bolton, 2003: 97.

***Austrolasius* references:** included under *Lasius*.

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

**AUSTROMORIUM** [Myrmicinae: Solenopsidini]

***Austromorium*** Shattuck, 2009b: 63. Type-species: *Xiphomyrmex flavigaster* Clark, 1938: 366, by original designation.

**Taxonomic history**

*Austromorium* in Myrmicinae, Stenammini: Shattuck, 2009b: 62.

*Austromorium* in Myrmicinae, Solenopsidini: Ward, *et al.* 2015: 77.

*Austromorium* as genus: all authors.

***Austromorium* references:** Shattuck, 2009b: 65 (**all species key**).

**AUSTROPONERA** [Ponerinae: Ponerini]

***Austroponera*** Schmidt, C.A. & Shattuck, 2014: 180. Type-species: *Euponera (Brachyponera) rufonigra* Clark, 1934b: 30, by original designation.

**Taxonomic history**

*Austroponera* in Ponerinae, Ponerini, *Ponera* genus group: Schmidt, C.A. & Shattuck, 2014: 180.

***Austroponera* catalogues:** Schmidt, C.A. & Shattuck, 2014: 182 (species checklist).

**\*AVITOMYRMEX** [*incertae sedis* in Myrmeciinae]

**\**Avitomyrmex*** Archibald, *et al.* 2006: 495. Type-species: *\*Avitomyrmex mastax* Archibald, *et al.* 2006: 496, by original designation.

**Taxonomic history**

*\*Avitomyrmex incertae sedis* in Myrmeciinae: Archibald, *et al.* 2006: 495;

*\*Avitomyrmex incertae sedis* in Hymenoptera: *sensu* Baroni Urbani, 2008: 6.

**AXINIDRIS** [Dolichoderinae: Tapinomini]

***Axinidris*** Weber, 1941a: 192. Type-species: *Axinidris acholli* Weber, 1941a: 193, by original designation.

**Taxonomic history**

*Axinidris* in Dolichoderinae, Axinidriini: Weber, 1941a: 193; Donisthorpe, 1943f: 627; Dlussky & Fedoseeva, 1988: 78.

*Axinidris* in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 42; Bolton, 1994: 26; Bolton, 1995b: 22; Bolton, 2003: 19, 83.

*Axinidris* in Dolichoderinae, Tapinomini: Hölldobler & Wilson, 1990: 17; Ward, *et al.* 2010: 361.

*Axinidris* as genus: all authors.

***Axinidris* catalogues:** Shattuck, 1994: 9; Bolton, 1995b: 77; Fisher & Bolton, 2016: 209 (checklist).

**Axinidris** references: Shattuck, 1991: 105 (diagnosis, **all species revision, key**); Shattuck, 1992c: 42 (diagnosis, review of genus); Snelling, R.R. 2007: 554 (**all species, key**); Fisher & Bolton, 2016: 208 (diagnosis).

**AZTECA** [Dolichoderinae: Leptomyrmecini]

**Azteca** Forel, 1878: 384. Type-species: *Liometopum xanthochroum* Roger, 1863a: 167, by monotypy.

**Taxonomic history**

[Type-species not *Tapinoma instabilis* Smith, F. 1862b: 31, unjustified subsequent designation (based on inaccurate synonymy) by Wheeler, W.M. 1911f: 159.]

[Type-species not *Azteca muelleri* Emery, 1893b: 131, unjustified subsequent designation by Emery, 1913a: 31; repeated by Wheeler, W.M. 1913a: 78.]

*Azteca* in Dolichoderidae: Ashmead, 1905b: 384.

*Azteca* in Dolichoderinae: Forel, 1878: 384 [Dolichoderidae]; Dalla Torre, 1893: 163 [Dolichoderinae]; Forel, 1895b: 108; Emery, 1895j: 771; Emery, 1896e: 187; Forel, 1899c: 104; Wheeler, W.M. 1910g: 142.

*Azteca* in Dolichoderinae, Tapinomini: Emery, 1913a: 29; Forel, 1917: 248; Wheeler, W.M. 1922a: 690; Donisthorpe, 1943f: 627; Kempf, 1972a: 29; Dlussky & Fedoseeva, 1988: 77; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 329; Jaffe, 1993: 9.

*Azteca* in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 49; Bolton, 1994: 26; Bolton, 1995b: 22; Bolton, 2003: 19, 83.

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

*Azteca* as genus: all authors.

[**AZTECUM**: incorrect subsequent spelling by Bertkau, 1879: 13.]

[**AZTEKA**: incorrect subsequent spelling by Pergande, 1896: 867.]

**Azteca catalogues**: Dalla Torre, 1893: 163; Emery, 1913a: 29; Kempf, 1972a: 29; Brandão, 1991: 329; Shattuck, 1994: 10; Bolton, 1995b: 78.

**Azteca references**: Emery, 1893b: 127 (all species key); Emery, 1913a: 29 (diagnosis); Longino, 1989: 1 (*A. alfari* group on *Cecropia*); Longino, 1991: 1571 (*Cecropia*-inhabiting species key); Shattuck, 1992c: 49 (diagnosis, review of genus); Bolton, 1995a: 1048 (census); Longino, 1996: 131 (Costa Rica stem-inhabiting species key); Longino, 2007: 10, 55 (Costa Rica species keys, *A. aurita* group keys); Guerrero, *et al.* 2010: 53 (*A. aurita* group key); Baccaro, *et al.* 2015: 130 (genus in Brazil); Guerrero, 2019: 704 (Colombia species key).

\***BAIKURIS** [*incertae sedis* in Formicidae]

\***Baikuris** Dlussky, 1987: 133. Type-species: \**Baikuris mandibularis* Dlussky, 1987: 134, by original designation.

**Taxonomic history**

\**Baikuris* in \*Sphecomyrminae: Dlussky, 1987: 132; Dlussky & Fedoseeva, 1988: 77.

\**Baikuris* in \*Sphecomyrminae: Bolton, 1994: 187; Bolton, 1995b: 22; Grimaldi, *et al.* 1997: 7.

\**Baikuris* in \*Sphecomyrminae, \*Sphecomyrmini: Bolton, 2003: 74, 261.

\**Baikuris incertae sedis* in Formicidae: Hölldobler & Wilson, 1990: 19; Borysenko, 2017: 14.

\**Baikuris* as genus: all authors.

[\***BAIKURUS**: incorrect subsequent spelling by Grimaldi, *et al.* 1997: 15.]

\***Baikuris catalogues**: Bolton, 1995b: 80; Barden, 2017: 2 (checklist).

\***Baikuris references**: Grimaldi, *et al.* 1997: 15 (review of genus).

**BAJCARIDRIS** [Formicinae: Formicini]

**Bajcaridris** Agosti, 1994a: 99. Type-species: *Formica (Proformica) theryi* Santschi, 1936c: 209, by original designation.

### **Taxonomic history**

[*Bajcaridris* Agosti, 1991: 295. *Nomen nudum*.]

*Bajcaridris* in Formicinae, Formicini: Agosti, 1994a: 93; Bolton, 1994: 50; Bolton, 1995b: 22; Bolton, 2003: 28, 126; Ward, Blaimer & Fisher, 2016: 346.

*Bajcaridris* as genus: all authors.

***Bajcaridris* catalogue:** Bolton, 1995b: 80.

*BANNAPONE* [junior synonym of *Stigmatomma*]

***Bannapone*** Xu, 2000b: 299. Type-species: *Bannapone mulanae* Xu, 2000b: 301, by original designation.

### **Taxonomic history**

*Bannapone* in Ponerinae, Amblyoponini: Xu, 2000b: 297.

*Bannapone* in Amblyoponinae: Bolton, 2003: 42, 155.

*Bannapone* as genus: Bolton, 2003: 42, 155; Guénard, *et al.* 2013: 371; Eguchi, *et al.* 2015: 85.

*Bannapone* as junior synonym of *Stigmatomma*: Ward & Fisher, 2016: 691.

***BARACIDRIS*** [Myrmicinae: Solenopsidini]

***Baracidris*** Bolton, 1981b: 252. Type-species: *Baracidris meketra* Bolton, 1981b: 255, by original designation.

### **Taxonomic history**

[Note: this genus was earlier misidentified as the related *Adelomyrmex* by Bolton, 1973a: 346. The two are contrasted in Bolton, 1981b: 253.]

*Baracidris* in Myrmicinae, Stenammini?: Bolton, 1994: 106; Bolton, 1995b: 22.

*Baracidris incertae sedis* in Myrmicinae, Stenammini: Bolton, 2003: 59, 207.

*Baracidris* in Myrmicinae, Adelomyrmecini: Fernández, 2004b: 326.

*Baracidris* in Myrmicinae, Solenopsidini: Ward, *et al.* 2015: 77.

*Baracidris* as genus: all authors.

***Baracidris* catalogues:** Bolton, 1995b: 80; Fisher & Bolton, 2016: 2i1 (checklist).

***Baracidris* references:** Bolton, 1981b: 255 (**all species key**); Fernández, 2003b: 34 (diagnosis, **all species revision, key**); Fisher & Bolton, 2016: 210 (diagnosis).

*BARBOURELLA* [junior synonym of *Gnamptogenys*]

***Barbourella*** Wheeler, W.M. 1930f: 10 [as subgenus of *Emeryella*]. Type-species: *Emeryella (Barbourella) banksi* Wheeler, W.M. 1930f: 10, by original designation.

### **Taxonomic history**

*Barbourella* as subgenus of *Emeryella*: Donisthorpe, 1943f: 627.

*Barbourella* as junior synonym of *Gnamptogenys*: Brown, 1958g: 212; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 22; Bolton, 2003: 175.

***BARIAMYRMA*** [Myrmicinae: Solenopsidini]

***Bariamyрма*** Lattke, 1990a: 173. Type-species: *Bariamyрма hispidula* Lattke, 1990a: 174, by original designation.

### **Taxonomic history**

*Bariamyрма* in Myrmicinae, Leptothoracini: Jaffe, 1993: 11.

*Bariamyрма* in *Bariamyрма* Stenammini: Bolton, 1994: 106; Bolton, 1995b: 22; Bolton, 2003: 59, 202.

*Bariamyрма* in *Bariamyрма* Solenopsidini: Ward, *et al.* 2015: 77.

*Bariamyрма* as genus: all authors.

***BARONIURBANIA*** [subgenus of *Lepisiota*]

**Baroniurbania** Pagliano & Scaramozzino, 1990: 4.

**Taxonomic history**

[Replacement name for *Acantholepis* Mayr, 1861: 42; junior homonym of *Acantholepis* Kroyer, 1846: 98 (Pisces).]

*Baroniurbania* as junior synonym of *Lepisiota*: Bolton, 1994: 51; Xu, 1994c: 233; Bolton, 1995b: 22; Bolton, 2003: 102.

*Baroniurbania* as subgenus of *Lepisiota*: Dietrich, 2004: 324.

**BASICEROS** [Myrmicinae: Attini]

**Basiceros** Schulz, W.A. 1906: 156.

**Taxonomic history**

[Replacement name for *Ceratobasis* Smith, F. 1860c: 78; junior homonym of *Ceratobasis* Lacordaire, 1848: 362 (Coleoptera).]

*Basiceros* in Myrmicinae, Dacetini: Emery, 1914a: 42; Forel, 1917: 246; Wheeler, W.M. 1922a: 666; Emery, 1924d: 327; Donishorpe, 1943f: 627; Brown, 1948e: 102; Baroni Urbani & De Andrade, 1994: 30; Baroni Urbani & De Andrade, 2007: 81.

*Basiceros* in Myrmicinae, Basicerotini: Brown, 1949f: 87; Brown & Kempf, 1960: 171; Kempf, 1972a: 36; Brandão, 1991: 330; Bolton, 1994: 105; Bolton, 1995b: 22; Bolton, 1998: 67; Bolton, 2003: 54, 183.

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

*Basiceros* as genus: all authors.

*Basiceros* as senior synonym of *Aspididris*: Brown, 1974c: 132; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 21; Bolton, 2003: 184.

*Basiceros* as senior synonym of *Creightonidris*: Fernández, 2003d: 314, 392; Feitosa, Brandão & Dietz, 2007: 17.

[Note: the synonymy of all basicerotine genera (*Eurhopalothrix*, *Octostruma*, *Protalaridris*, *Rhopalothrix*, *Talaridris*, together with their junior synonyms) under *Basiceros*, by Baroni Urbani & De Andrade, 2007: 88, is incorrect procedure as *Rhopalothrix* has priority. The genus-rank taxonomy documented in Bolton, 2003: 183-185, is retained here.]

**Basiceros catalogues:** Roger, 1863b: 40; Mayr, 1863: 403; Emery, 1924d: 327; Kempf, 1972a: 26, 36, 80 (*Aspididris*, *Basiceros*, *Creightonidris*); Bolton, 1995b: 80, 146 (*Basiceros*, *Creightonidris*).

**Basiceros references:** Mayr, 1865: 26 (diagnosis); Emery, 1924d: 327 (diagnosis); Brown & Kempf, 1960: 171, 178, 243 (diagnosis, **all species revision, key**); Brown & Kempf, 1960: 179, 244 (review of *Aspididris*, key); Brown, 1974c: 132 (diagnosis, **all species key**); Feitosa, Brandão & Dietz, 2007: 17, 19 (diagnosis, **all species key**); Baccaro, *et al.* 2015: 214 (genus in Brazil); Fernández & Serna, 2019: 843 (Colombia species key); Probst, *et al.* 2019: 1 (phylogeny of species).

**BELONOPELTA** [Ponerinae: Ponerini]

**Belonopelta** Mayr, 1870a: 394. Type-species: *Belonopelta attenuata* Mayr, 1870a: 395, by monotypy.

**Taxonomic history**

*Belonopelta* in Ponerinae: Mayr, 1870a: 395; Dalla Torre, 1893: 43 [Ponerinae]; Emery, 1896e: 178 [Ponerinae].

*Belonopelta* in Pachycondyliinae, Pachycondyliini: Ashmead, 1905b: 382.

*Belonopelta* in Ponerinae, Ponerini: Emery, 1895j: 767; Forel, 1895b: 116; Wheeler, W.M. 1910g: 135; Emery, 1911d: 87 [subtribe Ponerini]; Forel, 1917: 238 [subtribe Ponerini]; Wheeler, W.M. 1922a: 649; subsequent authors; Bolton, 1995b: 22; Bolton, 2003: 44, 160; in Ponerini, *Pachycondyla* genus group: Schmidt, C.A. & Shattuck, 2014: 138; subsequent authors.

*Belonopelta* as genus: all authors.

*Belonopelta* as senior synonym of *Leiopelta*: Hölldobler & Wilson: 1990: 10; Bolton, 1994: 164; Bolton, 1995b: 22; Bolton, 2003: 160; Schmidt, C.A. & Shattuck, 2014: 138.

***Belonopelta* catalogues:** Dalla Torre, 1893: 43; Emery, 1901a: 44; Emery, 1911d: 87; Kempf, 1972a: 37; Brandão, 1991: 330; Bolton, 1995b: 80; Schmidt, C.A. & Shattuck, 2014: 140 (species checklist).

***Belonopelta* references:** Emery, 1901a: 41; Emery, 1911d: 87 (diagnosis); Wheeler, W.M. 1935d: 9 (all species key); Baroni Urbani, 1975b: 298 (**all species key**); Bolton, 2003: 160 (synopsis); Fernández, 2008: 137 (**all species key**); Schmidt, C.A. & Shattuck, 2014: 138 (diagnosis, synopsis); Fernández & Guerrero, 2019: 516 (Colombia species key).

### \***BIAMOMYRMA**

\****Biamomyrma*** Dlussky, Rasnitsyn & Perfilieva, 2015: 143. Type-species: \**Biamomyrma zherikhini* Dlussky, Rasnitsyn & Perfilieva, 2015: 144, by original designation.

#### **Taxonomic history**

\**Biamomyrma* in Myrmicinae: Dlussky, Rasnitsyn & Perfilieva, 2015: 143.

**BICONOMYRMA** [junior synonym of *Dorymyrmex*]

***Biconomyrma*** Kusnezov, 1952g: 429 (diagnosis in key) [as subgenus of *Conomyrma*]. Type-species: *Dorymyrmex pyramicus brunneus* Forel, 1908c: 385 (now *Dorymyrmex brunneus* Forel, 1908c: 385), by subsequent designation of Kusnezov, 1959: 51.

#### **Taxonomic history**

*Biconomyrma* as subgenus of *Conomyrma*: Kusnezov, 1952g: 429.

*Biconomyrma* as genus: Kusnezov, 1959: 51; Kusnezov, 1964: 67.

*Biconomyrma* as junior synonym of *Conomyrma*: Smith, M.R. 1958c: 140; Kempf, 1972a: 7, 78; Snelling, R.R. 1973b: 3; Smith, D.R. 1979: 1420; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 338.

*Biconomyrma* as junior synonym of *Dorymyrmex*: Shattuck, 1992c: 78; Shattuck, 1994: 73; Bolton, 1994: 26; Bolton, 1995b: 22; Bolton, 2003: 87.

\***BILOBOMYRMA** [*incertae sedis* in Myrmicinae]

\****Bilobomyrma*** Radchenko & Dlussky, 2013a: 1062. Type-species: \**Bilobomyrma ukrainica* Radchenko & Dlussky, 2013a: 1062, by original designation.

#### **Taxonomic history**

\**Bilobomyrma* in Myrmicinae, Formicoxenini: Radchenko & Dlussky, 2013a: 1061 (in text).

\**Bilobomyrma incertae sedis* in Myrmicinae: Ward, *et al.* 2015: 77.

**BISOLENOPSIS** [junior synonym of *Solenopsis*]

***Bisolenopsis*** Kusnezov, 1953d: 9. Type-species: *Bisolenopsis sea* Kusnezov, 1953d: 9, by monotypy.

#### **Taxonomic history**

*Bisolenopsis* in Myrmicinae, Solenopsidini: Kusnezov, 1953d: 9; Kusnezov, 1957a: 272; Kusnezov, 1962b: 159; Kusnezov, 1964: 61.

*Bisolenopsis* as genus: Kusnezov, 1953d: 9; Kusnezov, 1957a: 272; Kusnezov, 1962b: 159; Kusnezov, 1964: 61.

*Bisolenopsis* as junior synonym of *Solenopsis*: Ettershank, 1966: 134; Kempf, 1972a: 232; Bolton, 1973a: 354; Smith, D.R. 1979: 1384; Ogata, 1991b: 108; Bolton, 1995b: 22; Bolton, 2003: 218.

[**DISOLENOPSIS**: incorrect subsequent spelling by Snelling, R.R. 1981: 397, Hölldobler & Wilson, 1990: 15, Tang, J., Li, *et al.* 1995: 71.]

**BLEPHARIDATTA** [Myrmicinae: Attini]

*Blepharidatta* Wheeler, W.M. 1915e: 484. Type-species: *Blepharidatta brasiliensis* Wheeler, W.M. 1915e: 484, by monotypy.

**Taxonomic history**

*Blepharidatta* in Myrmicinae, Dacetini: Emery, 1924d: 315; Donisthorpe, 1943f: 628.

*Blepharidatta* in Myrmicinae, Ochetomyrmecini: Brown, 1953h: 4; Kusnezov, 1964: 59; Kempf, 1972a: 37 [Ochetomyrmecini].

*Blepharidatta incertae sedis* in Myrmicinae: Kempf, 1975c: 358; Brandão, 1991: 331; Jaffe, 1993: 12.

*Blepharidatta* in Myrmicinae, Blepharidattini: Wheeler, G.C. & Wheeler, J. 1991a: 133; Bolton, 1994: 105; Bolton, 1995b: 22; Bolton, 2003: 57, 201.

*Blepharidatta* in Myrmicinae, Attini: Wheeler, W.M. 1915e: 486 (in text); Gallardo, 1916d: 318; Forel, 1917: 247; Wheeler, W.M. 1922a: 668; Ward, *et al.* 2015: 77.

*Blepharidatta* as junior synonym of *Ochetomyrmex*: Brown, 1973b: 179 [provisional]; Smith, D.R. 1979: 1402.

*Blepharidatta* as genus: all authors except Brown, 1973b: 179; Smith, D.R. 1979: 1402.

***Blepharidatta* catalogues:** Emery, 1924d: 315; Kempf, 1972a: 37; Bolton, 1995b: 80.

***Blepharidatta* references:** Emery, 1924d: 315 (diagnosis); Kempf, 1975c: 369 (review); Wheeler, G.C. & Wheeler, J. 1991a: 132 (review); Bolton, 1994: 100; Brandão, Feitosa & Diniz, 2015: 42 (**all species revision, key**); Baccaro, *et al.* 2015: 216 (genus in Brazil); Fernández & Serna, 2019: 845 (Colombia species key).

**BOLOPONERA** [Ponerinae: Ponerini]

*Boloponera* Fisher, 2006: 112. Type-species: *Boloponera vicans* Fisher, 2006: 113, by original designation.

**Taxonomic history**

*Boloponera* in Ponerinae, Ponerini: Fisher, 2006: 112; in Ponerini, *Plectroctena* genus group: Schmidt, C.A. & Shattuck, 2014: 162.

*Boloponera* as genus: all authors.

***Boloponera* references:** Schmidt, C.A. & Shattuck, 2014: 163 (diagnosis, synopsis); Fisher & Bolton, 2016: 212 (diagnosis); Hawkes, 2018: 27 (**all species key**).

**\*BOLTONIDRIS** [*incertae sedis* in Myrmicinae]

\**Boltonidris* Radchenko & Dlussky, 2012: 628. Type-species: \**Boltonidris mirabilis* Radchenko & Dlussky, 2012: 628, by original designation.

**Taxonomic history**

\**Boltonidris* in Myrmicinae, Stenammini: Radchenko & Dlussky, 2012: 628.

\**Boltonidris incertae sedis* in Myrmicinae: Ward, *et al.* 2015: 77.

**\*BOLTONIMECIA** [\*Sphecomyrminae: \*Zigrasimeciini]

\**Boltonimecia* Borysenko, 2017: 3. Type-species: \**Sphecomyrma canadensis* Wilson, 1985d: 206, by original designation.

**Taxonomic history**

\**Boltonimecia* in \*Sphecomyrminae, \*Zigrasimeciini: Borysenko, 2017: 3, 18.

**BONDROITIA** [Myrmicinae: Solenopsidini]

*Bondroitia* Forel, 1911c: 300 (footnote) [as subgenus of *Monomorium*]. Type-species: *Monomorium (Martia) coecum* Forel, 1911c: 299 (footnote) (junior synonym of *Diplomorium lujae* Forel, 1909b: 72), by monotypy.

**Taxonomic history**

[*Bondroitia* also described as new, but as subgenus of *Diplomorium*, by Forel, 1911d: 398; discussion in Bolton, 1987: 275.]

[Type-species not *Diplomorium lujae* Forel, 1909b: 72, unjustified subsequent designation by Wheeler, W.M. 1911f: 159.]

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

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

*Bondroitia* in Myrmicinae, Solenopsidini: Forel, 1917: 243; Emery, 1922e: 194; Wheeler, W.M. 1922a: 663; subsequent authors; Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106; Bolton, 1995b: 22; Bolton, 2003: 61, 209; Ward, *et al.* 2015: 77.

*Bondroitia* as subgenus of *Monomorium*: Forel, 1911c: 300.

*Bondroitia* as subgenus of *Diplomorium*: Forel, 1911d: 398; Forel, 1917: 243; Emery, 1922e: 194.

*Bondroitia* as junior synonym of *Diplomorium*: Ettershank, 1966: 98; Bolton, 1973a: 351.

*Bondroitia* as genus: Forel, 1915d: 38; Wheeler, W.M. 1922a: 663, 683; Bolton, 1987: 275; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 22; Bolton, 2003: 61, 209.

***Bondroitia* catalogues:** Emery, 1922e: 194 (*Diplomorium (Bondroitia)*); Wheeler, W.M. 1922a: 877; Bolton, 1995b: 80 (catalogue); Fisher & Bolton, 2016: 215 (checklist).

***Bondroitia* references:** Emery, 1922e: 194 (*Diplomorium (Bondroitia)* diagnosis); Bolton, 1987: 275 (diagnosis, review of genus, **all species**); Fisher & Bolton, 2016: 214 (diagnosis).

**BORGMEIERITA** [junior synonym of *Strumigenys*]

***Borgmeierita*** Brown, 1953g: 23. Type-species: *Codiomyrmex excisus* Weber, 1934a: 51, by original designation.

#### **Taxonomic history**

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

*Borgmeierita* in Myrmicinae, Dacetini: Brown, 1953g: 23; Kempf, 1972a: 37.

*Borgmeierita* as genus: Brown & Wilson, 1959b: 282; Kempf, 1972a: 37.

*Borgmeierita* as junior synonym of *Glamyromyrmex*: Brown, 1973a: 35; Bolton, 1983: 320; Hölldobler & Wilson, 1990: 13; Brandão, 1991: 344; Bolton, 1995b: 22.

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

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

**BOTHRIOMYRMEX** [Dolichoderinae: Bothriomyrmecini]

***Bothriomyrmex*** Emery, 1869c: 117. Type-species: *Bothriomyrmex costae* Emery, 1869c: 118, by monotypy.

#### **Taxonomic history**

*Bothriomyrmex* in Formicinae: Forel, 1874: 60 [Formicidae]; André, 1881b: 64 [Formicidae].

*Bothriomyrmex* in Dolichoderidae: Ashmead, 1905b: 384 [Dolichoderidae].

*Bothriomyrmex* in Dolichoderinae: Forel, 1878: 380 [Dolichoderidae]; Emery & Forel, 1879: 454 [Dolichoderidae]; Dalla Torre, 1893: 170 [Dolichoderinae]; Emery, 1895j: 771; Forel, 1895e: 469; Emery, 1896e: 186; Wheeler, W.M. 1910g: 142.

*Bothriomyrmex* in Dolichoderinae, Tapinomini: Emery, 1913a: 27; Emery, 1916b: 213; Forel, 1917: 248; Bondroit, 1918: 88; Wheeler, W.M. 1922a: 689; subsequent authors; Hölldobler & Wilson, 1990: 17.

*Bothriomyrmex* in Dolichoderinae, Dolichoderini: Shattuck, 1992c: 54; Bolton, 1994: 26; Bolton, 1995b: 22; Bolton, 2003: 19, 84.

*Bothriomyrmex* in Dolichoderinae, Iridomyrmecini, Bothriomyrmecina: Dubovikoff, 2005a: 92.

*Bothriomyrmex* in Dolichoderinae, Bothriomyrmecini: Ward, *et al.* 2010: 361.

*Bothriomyrmex* as genus: all authors.

***Bothriomyrmex* catalogues:** Emery & Forel, 1879: 454 (Europe); Dalla Torre, 1893: 170; Emery, 1913a: 27; Chapman & Capco, 1951: 187 (Asia); Taylor & Brown, 1985: 92 (Australia); Taylor, 1987a: 8 (Australia); Shattuck, 1994: 31; Bolton, 1995b: 80.

***Bothriomyrmex* references:** Forel, 1878: 380 (diagnosis); André, 1882b: 218 (Europe & Algeria species); Forel, 1895e: 469 (India & Sri Lanka species key); Bingham, 1903: 305 (India, Sri Lanka & Burma species key); Emery, 1913a: 27 (diagnosis); Emery, 1916b: 213 (Italy species); Wheeler, W.M. 1922a: 690 (subgenera key); Emery, 1925e: 5 (European and Oriental species); Kratochvíl, 1941: 96 (Central Europe species key); Novák & Sadil, 1941: 96 (Central Europe species key); Bernard, 1967: 260 (diagnosis, Western Europe species key); Kutter, 1977c: 175 (Switzerland species key); Arnol'di & Dlussky, 1978: 548 (former European U.S.S.R. species key); Collingwood, 1978: 87 (Iberian Peninsula species key); Gösswald, 1985: 316 (Germany species key); Agosti & Collingwood, 1987b: 279 (Balkans species key); Shattuck, 1992c: 54 (diagnosis, review of genus); Bolton, 1995a: 1048 (census); Wu, J. & Wang, 1995: 119 (China species key); Seifert, 1996b: 163 (Central Europe species key); Shattuck, 1999: 66 (Australia synopsis); Seifert, 2007: 148 (North and Central Europe species key); Seifert, 2012b: 103 (West European species key); Radchenko, 2016: 99 (Ukraine species key).

### ***BOTHROPONERA*** [Ponerinae: Ponerini]

***Bothroponera*** Mayr, 1862: 713 (diagnosis in key), 717. Type-species: *Ponera pumicosa* Roger, 1860: 290, by subsequent designation of Emery, 1901a: 42.

#### **Taxonomic history**

*Bothroponera* in Ponerinae: Mayr, 1862: 713 (in key) [Poneridae]; Mayr, 1865: 13 [Poneridae]; Dalla Torre, 1893: 35 [Ponerinae].

*Bothroponera* in Pachycondyliinae, Pachycondylini: Ashmead, 1905b: 382.

*Bothroponera* in Ponerinae, Ponerini: Emery, 1895j: 767; Emery, 1911d: 75 [subtribe Pachycondylini]; Forel, 1917: 237 [subtribe Pachycondylini]; Wheeler, W.M. 1922a: 648; subsequent authors; in Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 72.

*Bothroponera* as subgenus of *Ponera*: Emery, 1895j: 767; Emery, 1897d: 551; Forel, 1900d: 325.

*Bothroponera* as subgenus of *Pachycondyla*: Emery, 1901a: 42; Wheeler, W.M. 1910g: 135; Emery, 1911d: 75; Santschi, 1914b: 50; Arnold, 1915: 55; Forel, 1917: 237; Donisthorpe, 1943f: 628.

*Bothroponera* as junior synonym of *Pachycondyla*: Brown, 1973b: 179 [provisional]; Snelling, R.R. 1981: 389; Hölldobler & Wilson, 1990: 11; Brown, in Bolton, 1994: 164; Bolton, 1995b: 22; Tang, J., Li, *et al.* 1995: 39; Bolton, 2003: 166; Mackay & Mackay, 2010: 3.

*Bothroponera* as genus: Mayr, 1862: 717; Mayr, 1863: 397; Roger, 1863b: 16; Mayr, 1865: 13; Mayr, 1876: 87; Forel, 1891b: 127; Dalla Torre, 1893: 35; Bingham, 1903: 95; Ashmead, 1905b: 382; Wheeler, W.M. 1918c: 299 (footnote); Wheeler, W.M. 1922a: 648; Wheeler, W.M. & Chapman, 1925: 67; Chapman & Capco, 1951: 49; Bernard, 1953b: 187; Bolton, 1973a: 334; Taylor, 1987a: 9; Taylor & Brown, 1985: 21; Wheeler, G.C. & Wheeler, J. 1985: 256; Dlussky & Fedoseeva, 1988: 78; Joma & Mackay, 2013: 2; Schmidt, C.A. & Shattuck, 2014: 72.

[***BOTHRPONERA***: incorrect subsequent spelling by Forel, 1917: 237.]

***Bothroponera* catalogues:** Mayr, 1863: 397; Roger, 1863b: 16; Dalla Torre, 1893: 35; Emery, 1901a: 45 (species list); Emery, 1911d: 75 (*Pachycondyla (Bothroponera)*); Wheeler, W.M. 1922a: 769 (Afrotropical); Wheeler, W.M. 1922a: 1007 (Malagasy); Chapman & Capco, 1951: 49 (Asia); Taylor & Brown, 1985: 21 (Australia); Taylor, 1987a: 9 (Australia, New Caledonia & New Zealand); Bolton, 1995b: 302 (as part of *Pachycondyla*); Schmidt, C.A. & Shattuck, 2014: 76 (species checklist); Fisher & Bolton, 2016: 217 (Afrotropical, Malagasy checklist).

***Bothroponera* references:** Mayr, 1865: 13 (diagnosis); Mayr, 1867a: 82 (diagnosis); Emery, 1887b: 18 (footnote) (Asia & Australia key); Forel, 1900d: 322 (India & Sri Lanka *Ponera* (*Bothroponera*) species key); Emery, 1901a: 42 (diagnosis); Bingham, 1903: 96 (India, Sri Lanka & Burma *Bothroponera* species key); Emery, 1911d: 75 (*Pachycondyla* (*Bothroponera*) diagnosis); Arnold, 1915: 55 (South Africa *Pachycondyla* (*Bothroponera*) species key); Wheeler, W.M. 1922a: 69, 72 (diagnosis, Afrotropical species key); Arnold, 1952a: 461 (South Africa species key); Rakotonirina & Fisher, 2013a: 105 (Madagascar *Pachycondyla wasmannii* group key); Joma & Mackay, 2013: 6 (*Bothroponera cavernosa* complex key); Schmidt, C.A. & Shattuck, 2014: 74 (diagnosis, synopsis); Joma & Mackay, 2015: 543 (*B. pumicosa* complex key); Fisher & Bolton, 2016: 216 (diagnosis); Joma & Mackay, 2017: 10 (*B. sulcata* complex key).

[Note: some *Bothroponera* references are listed under *Pachycondyla*, *sensu lato*.]

**BRACHYMYRMEX** [Formicinae: Myrmelachistini]

***Brachymyrmex*** Mayr, 1868a: 163. Type-species: *Brachymyrmex patagonicus* Mayr, 1868a: 164, by monotypy.

**Taxonomic history**

*Brachymyrmex* in Camponotinae: Forel, 1878: 375 [Camponotidae]; Dalla Torre, 1893: 174 [Camponotinae]; Emery, 1896e: 188 [Camponotinae].

*Brachymyrmex* in Camponotinae, Plagiolepidini: Forel, 1893a: 165; Forel, 1895b: 106; Emery, 1895j: 771; Forel, 1899c: 123; Wheeler, W.M. 1910g: 143.

*Brachymyrmex* in Camponotinae, Myrmelachistini: Forel, 1912i: 89; Forel, 1917: 249.

*Brachymyrmex* in Formicinae, Dimorphomyrmecini: Emery, 1925b: 40 [subtribe Brachymyrmecini]; Donisthorpe, 1943f: 628.

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

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

*Brachymyrmex* in Formicinae, Brachymyrmecini: Wheeler, W.M. 1929a: 12; Kempf, 1972a: 37; Smith, D.R. 1979: 1424; Wheeler, G.C. & Wheeler, J. 1985: 258; Brandão, 1991: 331; Jaffe, 1993: 13; Bolton, 1994: 50; Bolton, 1995b: 22.

*Brachymyrmex* in Formicinae, Plagiolepidini: Ashmead, 1905b: 384; Bolton, 2003: 23, 101.

*Brachymyrmex* in Formicinae, Myrmelachistini: Wheeler, W.M. 1922a: 697; Hölldobler & Wilson, 1990: 18; Ward, Blaimer & Fisher, 2016: 348.

*Brachymyrmex* as genus: all authors.

*Brachymyrmex* as senior synonym of *Brysha*: Brown, 1973b: 179 [provisional]; Smith, D.R. 1979: 1424; Hölldobler & Wilson, 1990: 18; Bolton, 2003: 101; Ortiz-Sepúlveda, *et al.* 2019: 452.

***Brachymyrmex* catalogues:** Cresson, 1887: 255 (U.S.A.); Dalla Torre, 1893: 174; Wheeler, W.M. 1922a: 1036 (Malagasy); Emery, 1925b: 40, 43; Smith, M.R. 1951a: 838 (North America); Kempf, 1972a: 37 (Neotropical); Smith, D.R. 1979: 1424 (North America); Brandão, 1991: 331 (Neotropical); Bolton, 1995b: 81; Fisher & Bolton, 2016: 219 (Malagasy checklist).

***Brachymyrmex* references:** Forel, 1878: 375 (diagnosis); André, 1882b: 214 (Europe & Algeria species); Santschi, 1923b: 652 (diagnosis, all species key); Emery, 1925b: 40, 43 (diagnosis, (*B. Brysha*) diagnosis); Creighton, 1950a: 356 (North America species, review); Bernard, 1967: 279 (diagnosis); Alayo, 1974: 26 (Cuba species key); Bolton, 1995a: 1048 (census); Quirán, *et al.* 2004: 275 (diagnosis); Ortiz, C.M. & Fernández, 2014: 29 (species with tumuliform metathoracic spiracles key); Baccaro, *et al.* 2015: 184 (genus in Brazil); Wilson, C.M. *et al.* 2016: 81 (male genitalia and phylogeny); Fisher & Bolton, 2016: 218 (diagnosis); Fernández & Ortiz-Sepúlveda, 2019: 725 (Colombia species key); Fernández & Ortiz-Sepúlveda, 2019: 725 (Colombia species key); Ortiz-Sepúlveda, *et al.* 2019: 452, 456 (diagnosis, **all species revision, key**).

**BRACHYPONERA** [Ponerinae: Ponerini]

**Brachyponera** Emery, 1900c: 315 [as subgenus of *Euponera*]. Type-species: *Euponera (Brachyponera) luteipes croceicornis* Emery, 1900c: 315 (now *Brachyponera croceicornis* (Emery, 1900c: 315)), by monotypy.

#### **Taxonomic history**

[*Brachyponera* also described as new by Emery, 1901a: 43.]

[Type-species not *Ponera senaarensis* Mayr, 1862: 721, unjustified subsequent designation by Emery, 1901a: 43; repeated by Emery, 1911d: 84, Wheeler, W.M. 1911f: 160, Wheeler, W.M. 1922a: 777, Donisthorpe, 1943f: 628, Smith, M.R. 1943f: 282; Smith, M.R. 1951a: 785; Brown, 1958h: 21; Wilson, 1958d: 346, Bolton, 1973a: 335, Smith, D.R. 1979: 1341, Taylor & Brown, 1985: 23.]

*Brachyponera* in Pachycondyliinae, Pachycondyliini: Ashmead, 1905b: 382.

*Brachyponera* in Ponerinae, Ponerini: Emery, 1911d: 83; Forel, 1917: 237 [subtribe Pachycondyliini]; subsequent authors; in Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 77.

*Brachyponera* as subgenus of *Euponera*: Emery, 1900c: 315; Emery, 1901a: 43; Forel, 1907h: 271; Emery, 1909c: 366; Wheeler, W.M. 1910g: 135; Emery, 1911d: 83; Santschi, 1914b: 50; Arnold, 1915: 72; Forel, 1917: 237; Wheeler, W.M. 1922a: 649; Donisthorpe, 1943f: 628.

*Brachyponera* as junior synonym of *Pachycondyla*: Snelling, R.R. 1981: 389 [provisional]; Brown, in Bolton, 1994: 164; Bolton, 1995b: 22; Bolton, 2003: 167; Mackay & Mackay, 2010: 3.

*Brachyponera* as genus: Bingham, 1903: 101; Ashmead, 1905b: 382; Wilson, 1958d: 346; Bolton, 1973a: 335; Smith, D.R. 1979: 1341; Taylor & Brown, 1985: 23; Wheeler, G.C. & Wheeler, J. 1985: 256; Ogata, 1987: 116; Taylor, 1987a: 9; Ogata, 1987: 116; Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 10; Schmidt, C.A. & Shattuck, 2014: 77.

***Brachyponera* catalogues:** Emery, 1901a: 47; Emery, 1911d: 83 (*Euponera (Brachyponera)*); Wheeler, W.M. 1922a: 777 (Afrotropical *Euponera (Brachyponera)*); Smith, M.R. 1951a: 785 (North America); Smith, D.R. 1979: 1341 (North America); Taylor & Brown, 1985: 23 (Australia); Taylor, 1987a: 9 (Australia, New Caledonia & New Zealand); Bolton, 1995b: 302 (as part of *Pachycondyla*); Schmidt, C.A. & Shattuck, 2014: 80 (species checklist); Fisher & Bolton, 2016: 221 (Afrotropical, Malagasy checklist).

***Brachyponera* references:** Bingham, 1903: 101 (India, Sri Lanka & Burma species keys); Emery, 1911d: 83 (*Euponera (Brachyponera)* diagnosis); Arnold, 1915: 72 (South Africa *Euponera (Brachyponera)*); Creighton, 1950a: 45 (Nearctic *Euponera (Brachyponera)* species key); Brown, 1958h: 21 (New Zealand *Brachyponera*); Wilson, 1958d: 346 (Melanesia *Brachyponera* species key); Ogata, 1987: 116 (diagnosis, Japan); Morisita, *et al.* 1989: 19 (Japan *Brachyponera* species); Xu, 1994b: 182 (China *Brachyponera* species key); Yamane, 2007: 652 (*Pachycondyla nigrita* species group key); Eguchi, *et al.* 2014: 27 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 77 (diagnosis, synopsis); Fisher & Bolton, 2016: 220 (diagnosis).

[Note: some *Brachyponera* references are listed under *Pachycondyla*, *sensu lato*.]

\***BRACHYTARSITES** [*incertae sedis* in Myrmicinae]

\****Brachytarsites*** Hong, 2002: 559. Type-species: \**Brachytarsites dongzhouheensis* Hong, 2002: 559, by original designation.

#### **Taxonomic history**

\**Brachytarsites* in Myrmicinae: Hong, 2002: 559; *incertae sedis* in Myrmicinae: Ward, *et al.* 2015: 77.

\***BRADOPONERA** [Proceratiinae: Proceratiini]

\****Bradoponera*** Mayr, 1868b: 73. Type-species: \**Bradoponera meieri* Mayr, 1868b: 74, by monotypy.

#### **Taxonomic history**

- \**Bradoponera* in Ponerinae: Mayr, 1868b: 73 [Poneridae]; Dalla Torre, 1893: 18 [Ponerinae].
- \**Bradoponera incertae sedis* in Ponerinae: Viana & Haedo Rossi, 1957: 109.
- \**Bradoponera* in Ponerinae, Ectatommini: Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 10; Bolton, 1994: 164.
- \**Bradoponera* in Ponerinae, Proceratiini: Wheeler, W.M. 1915h: 32; Donisthorpe, 1943f: 628; Lattke, 1994: 116; Bolton, 1995b: 22.
- \**Bradoponera* in Proceratiinae, Proceratiini: Bolton, 2003: 49, 179.
- \**Bradoponera* as genus: all authors.
- [**BRYDOPONERA**: incorrect subsequent spelling by Dlussky, 1997: 51.]
- \***Bradoponera catalogues**: Bolton, 1995b: 82.
- \***Bradoponera references**: Wheeler, W.M. 1915h: 32 (review); Lattke, 1994: 116 (notes); Dlussky, 1997: 51 (in Baltic amber genera key); De Andrade & Baroni Urbani, 2003: 913 (**all species revision**).

**BRADYPONERA** [junior synonym of *Myopias*]

**Bradyponera** Mayr, 1886c: 362. Type-species: *Ponera nitida* Smith, F. 1861b: 45 (junior primary homonym of \**Ponera nitida* Heer, 1849: 149), replaced by *Trapeziopelta mayri* Donisthorpe, 1932c: 468), by monotypy.

**Taxonomic history**

[*Bradyponera* Smith, F. 1873: viii. *Nomen nudum*, attributed to Mayr.]

*Bradyponera* as junior synonym of *Pachycondyla*: Snelling, R.R. 1981: 389 (error).

*Bradyponera* as junior synonym of *Trapeziopelta*: Emery, 1911d: 93 [provisional]; Donisthorpe, 1932c: 468; Donisthorpe, 1943f: 629.

*Bradyponera* as junior synonym of *Myopias*: Willey & Brown, 1983: 249; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 22; Bolton, 2003: 164; Schmidt, C.A. & Shattuck, 2014: 111.

**BREGMATOMYRMA** [Formicinae: Plagiolepidini]

**Bregmatomyrma** Wheeler, W.M. 1929b: 3. Type-species: *Bregmatomyrma carnosus* Wheeler, W.M. 1929b: 4, by original designation.

**Taxonomic history**

*Bregmatomyrma* in Formicinae, Bregmatomyrmini: Wheeler, W.M. 1929b: 5 [Bregmatomyrminii]; subsequent authors; Bolton, 1994: 50; Bolton, 1995b: 22 [Bregmatomyrmini].

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

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

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

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

*Bregmatomyrma* in Formicinae, Plagiolepidini: Bolton, 2003: 23, 102; Ward, Blaimer & Fisher, 2016: 348.

*Bregmatomyrma* as genus: all authors.

[**BREGMATOMYRMEX**: incorrect subsequent spelling by Wheeler, G.C. & Wheeler, J. 1985: 259.]

**Bregmatomyrma catalogue**: Bolton, 1995b: 82.

\***BRITANEURETUS** [Aneuretinae]

\***Britaneuretus** Dlussky & Perfilieva, 2014: 412. Type-species: \**Dolichoderus anglicus* Cockerell, 1915: 484, by original designation.

**Taxonomic history**

\**Britaneuretus* in Aneuretinae: Dlussky & Perfilieva, 2014: 412.

**BROWNIDRIS** [junior synonym of *Ochetomyrmex*]

**Brownidris** Kusnezov, 1956: 25 (diagnosis in key). Type-species: *Brownidris argentinus* Kusnezov, 1957a: 276 (junior synonym of *Ochetomyrmex semipolitus* Mayr, 1878: 872), by original designation.

**Taxonomic history**

[*Brownidris* also described as new by Kusnezov, 1957a: 275.]

*Brownidris* in Myrmicinae, Solenopsidini: Kusnezov, 1957a: 275; Kusnezov, 1962b: 159; Kempf, 1972a: 41.

*Brownidris* in Myrmicinae, *Megalomyrmex* genus group: Ettershank, 1966: 81.

*Brownidris* in Myrmicinae, Megalomyrmecini: Dlussky & Fedoseeva, 1988: 80.

*Brownidris* as genus: Kempf, 1972a: 41; Wheeler, G.C. & Wheeler, J. 1985: 257; Dlussky & Fedoseeva, 1988: 80.

*Brownidris* as junior synonym of *Ochetomyrmex*: Kempf, 1975c: 355; Hölldobler & Wilson, 1990: 14; Brandão, 1991: 332; Bolton, 1994: 106; Bolton, 1995b: 22; Bolton, 2003: 250.

\***BROWNIMECIA** [\*Brownimeciinae]

\***Brownimecia** Grimaldi, *et al.* 1997: 20. Type-species: \**Brownimecia clavata* Grimaldi, *et al.* 1997: 20, by original designation.

**Taxonomic history**

\**Brownimecia incertae sedis* in Ponerinae: Grimaldi, *et al.* 1997: 20.

\**Brownimecia* in \*Brownimeciinae: Bolton, 2003: 75, 262; Engel & Grimaldi, 2005: 12; Barden, 2017: 2.

\**Brownimecia* as genus: all authors.

\***Brownimecia** references: Engel & Grimaldi, 2005: 12 (diagnosis, comments).

**BRUCHOMYRMA** [junior synonym of *Pheidole*]

**Bruchomyrma** Santschi, 1922d: 248. Type-species: *Bruchomyrma acutidens* Santschi, 1922d: 249, by monotypy.

**Taxonomic history**

*Bruchomyrma* in Myrmicinae, Pheidolini: Donisthorpe, 1943f: 629.

*Bruchomyrma* in Myrmicinae, Myrmicini: Kempf, 1972a: 42.

*Bruchomyrma* as genus: Kempf, 1972a: 42; Dlussky & Fedoseeva, 1988: 80.

*Bruchomyrma* as junior synonym of *Pheidole*: Brown, 1973b: 179 [provisional]; 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: 22; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235; Wilson, 2003: 6.

**BRUNELLA** [junior homonym, replaced by *Malagidris*]

**Brunella** Forel, 1917: 234. Type-species: *Aphaenogaster belti* Forel, 1895c: 248, by monotypy.

**Taxonomic history**

[Junior homonym of *Brunella* Smith, G.W. 1909: 87 (Crustacea).]

*Brunella* in Myrmicinae, Leptothoracini: Forel, 1917: 245.

*Brunella* in Myrmecini: Wheeler, W.M. 1922a: 663, 678 (footnote); Emery, 1924d: 242; Donisthorpe, 1943f: 629.

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

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

*Brunella* as genus: Wheeler, W.M. 1922a: 663, 678 (footnote); Emery, 1924d: 242; Donisthorpe, 1943f: 629; Wheeler, G.C. & Wheeler, J. 1985: 259; Dlussky & Fedoseeva, 1988: 80.

*Brunella* as junior synonym of *Atopula*: Emery, 1924d: 242; Donisthorpe, 1943f: 629.

*Brunella* as junior synonym of *Aphaenogaster*: Bolton, 1982: 341 (in text), 364; Hölldobler & Wilson, 1990: 12; Ogata, 1991b: 83; Bolton, 1994: 106; Bolton, 1995b: 22; Tang, J., Li, *et al.* 1995: 49; Bolton, 2003: 229.

***Malagidris*** Bolton & Fisher, 2014: 16, **replacement name** for *Brunella* Forel.

**BRYSCHA** [junior synonym of *Brachymyrmex*]

***Bryscha*** Santschi, 1923b: 652 [as subgenus of *Brachymyrmex*]. Type-species: *Brachymyrmex pilipes* Mayr, 1887: 524, by original designation.

**Taxonomic history**

*Bryscha* as subgenus of *Brachymyrmex*: Donisthorpe, 1943f: 629; Kempf, 1972a: 41; Bolton, 1995b: 22.

*Bryscha* as junior synonym of *Brachymyrmex*: Brown, 1973b: 179 [provisional]; Smith, D.R. 1979: 1424; Hölldobler & Wilson, 1990: 18; Bolton, 2003: 101; Ortiz-Sepulveda, *et al.* 2019: 452.

**BUNIAPONE** [Ponerinae: Ponerini]

***Buniapone*** Schmidt, C.A. & Shattuck, 2014: 81. Type-species: *Ponera amblyops* Emery, 1887b: 434, by original designation.

**Taxonomic history**

*Buniapone* in Ponerinae, Ponerini, *Odontomachus* genus group: Schmidt, C.A. & Shattuck, 2014: 81.

***Buniapone* catalogues**: Schmidt, C.A. & Shattuck, 2014: 83 (species checklist).

***Buniapone* references**: Eguchi, *et al.* 2014: 28 (diagnosis, Vietnam synopsis).

**\*BURMOMYRMA** [Aneuretinae]

**\**Burmomyrma*** Dlussky, 1996: 87. Type-species: *\*Burmomyrma rossi* Dlussky, 1996: 87, by original designation.

**Taxonomic history**

*\*Burmomyrma* dubiously in Aneuretinae: Dlussky, 1996: 87.

*\*Burmomyrma incertae sedis* in Aneuretinae: Bolton, 2003: 18, 80.

*\*Burmomyrma* in Aneuretinae: Barden, 2017: 3.

*\*Burmomyrma* as genus: all authors.

**CACOPONE** [junior synonym of *Plectroctena*]

***Cacopone*** Santschi, 1914d: 325. Type-species: *Cacopone hastifer* Santschi, 1914d: 325, by monotypy.

**Taxonomic history**

*Cacopone* in Ponerinae, Ponerini: Forel, 1917: 238 [subtribe Plectroctenini]; Wheeler, W.M. 1922a: 650; Santschi, 1924a: 159; Donisthorpe, 1943f: 629.

*Cacopone* as genus: Forel, 1917: 238; Wheeler, W.M. 1922a: 650; Santschi, 1924a: 159; Donisthorpe, 1943f: 629; Bolton, 1973a: 335.

*Cacopone* as junior synonym of *Plectroctena*: Bolton, 1974c: 313; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 22; Bolton, 2003: 169; Schmidt, C.A. & Shattuck, 2014: 174.

**CALOMYRMEX** [Formicinae: Camponotini]

***Calomyrmex*** Emery, 1895j: 772. Type-species: *Formica laevissima* Smith, F. 1859a: 138, by monotypy.

**Taxonomic history**

*Calomyrmex* in Camponotinae: Emery, 1896e: 188 [Camponotinae].

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

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

*Calomyrmex* in Formicinae, Camponotini: Wheeler, W.M. 1922a: 700; Emery, 1925b: 174; subsequent authors; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 22; Bolton, 2003: 27, 112; Ward, Blaimer & Fisher, 2016: 345.

*Calomyrmex* as genus: all authors.

***Calomyrmex* catalogues:** Emery, 1896d: 378; Emery, 1898a: 227 (additions to 1896d); Forel, 1914a: 274; Emery, 1925b: 174; Chapman & Capco, 1951: 220 (Asia); Taylor & Brown, 1985: 108 (Australia); Taylor, 1987a: 10 (Australia); Bolton, 1995b: 82.

***Calomyrmex* references:** Emery, 1925b: 174 (diagnosis); Shattuck, 1999: 89 (Australia synopsis); Bolton, 2003: 112 (synopsis); Heterick, 2009: 60 (south-western Australia species key).

\***CALYPTITES** [*incertae sedis* in Formicidae]

\**Calyptites* Scudder, 1877b: 270 [as member of family Braconidae]. Type-species: \**Calyptites antediluvianum* Scudder, 1877b: 270, by monotypy.

#### **Taxonomic history**

\**Calyptites* in Braconidae: Scudder, 1891: 692; Donisthorpe, 1943f: 629.

\**Calyptites* in Formicidae: Wheeler, W.M. 1911f: 160.

\**Calyptites incertae sedis* in Formicidae: Carpenter, 1930: 21; Brown, 1973b: 179; Bolton, 1995b: 22, 83; Bolton, 2003: 263.

[Note: family assignment of this genus remains unresolved.]

\**Calyptites* as genus: all authors.

**CALYPTOMYRMEX** [Myrmicinae: Crematogastrini]

*Calyptomyrmex* Emery, 1887b: 471. Type-species: *Calyptomyrmex beccarii* Emery, 1887b: 472, by monotypy.

#### **Taxonomic history**

*Calyptomyrmex* in Myrmicinae: Dalla Torre, 1893: 136 [Myrmicinae].

*Calyptomyrmex* in Myrmicinae, Tetramoriini: Emery, 1895j: 770; Emery, 1896e: 182; Wheeler, W.M. 1910g: 141.

*Calyptomyrmex* in Cryptoceridae, Cataulacinae: Ashmead, 1905b: 384.

*Calyptomyrmex* in Myrmicinae, Meranoplini: Emery, 1914a: 41; Forel, 1917: 244; Arnold, 1917: 360; Wheeler, W.M. 1922a: 664; Emery, 1924d: 224; Wheeler, W.M. 1934a: 176; Wheeler, W.M. 1935a: 7 (in key).

*Calyptomyrmex* in Myrmicinae, Calyptomyrmecini: Dlussky & Fedoseeva, 1988: 80.

*Calyptomyrmex* in Myrmicinae, Stenammini: Bolton, 1994: 106; Bolton, 1995b: 23; Bolton, 2003: 59, 202.

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

*Calyptomyrmex* as genus: all authors.

*Calyptomyrmex* as senior synonym of *Weberidris*: Donisthorpe, 1949f: 186; Brown, 1949f: 84; Bolton, 1973a: 347; Bolton, 1981a: 59; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 23; Bolton, 2003: 202.

***Calyptomyrmex* catalogues:** Dalla Torre, 1893: 136; Wheeler, W.M. 1922a: 886 (Afrotropical); Emery, 1924d: 224; Chapman & Capco, 1951: 111 (Asia); Taylor & Brown, 1985: 55 (Australia); Bolton, 1995b: 83; Fisher & Bolton, 2016: 221 (Afrotropical checklist).

***Calyptomyrmex* references:** Arnold, 1917: 360 (diagnosis); Emery, 1924d: 224 (diagnosis); Baroni Urbani, 1975a: 410 (**Oriental species revision, key**); Bolton, 1981a: 61 (diagnosis, **Afrotropical species revision, key**); Shattuck, 1999: 128 (Australia synopsis); Eguchi, *et al.* 2011: 12 (diagnosis, Vietnam synopsis); Shattuck, 2011: 3 (**S.E. Asia and Oceania species revision, key**); Fisher & Bolton, 2016: 222 (diagnosis); Jaitrong & Yamane, 2018: 138 (continental southeast Asia species key).

\***CAMELOMECTIA** [*incertae sedis* in Formicidae]

\**Camelomecia* Barden & Grimaldi, 2016: 4, description in supplemental information (not paginated). Type-species: \**Camelomecia janovitzii* Barden & Grimaldi, 2016: 4, description in supplemental information (not paginated), by original designation.

**Taxonomic history**

\**Camelomecia incertae sedis* in Formicidae: Barden & Grimaldi, 2016: in supplemental information (not paginated); Barden, 2017: 2; Borysenko, 2017: 14.

**CAMPOMYRMA** [subgenus of *Polyrhachis*]

*Campomyrma* Wheeler, W.M. 1911c: 860 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis clypeatus* Mayr, 1862: 683 (junior synonym of *Formica exercita* Walker, 1859: 370), by original designation.

**Taxonomic history**

*Campomyrma* as subgenus of *Polyrhachis*: Forel, 1917: 251; Wheeler, W.M. 1922a: 702; Emery, 1925b: 178; subsequent authors; Dorow, 1995: 13; Bolton, 1995b: 23; Bolton, 2003: 123; Mezger & Moreau, 2016: 374.

***Campomyrma* references:** included under *Polyrhachis*.

[Note: world list of species in *P. (Campomyrma)*: Emery, 1925b: 178; Dorow, 1995: 13; Bolton, 1995b: 359.]

\***CAMPONOTITES** [*incertae sedis* in Formicinae]

\**Camponotites* Steinbach, 1967: 101. Type-species: \**Camponotites silvestris* Steinbach, 1967: 101, by monotypy.

**Taxonomic history**

\**Camponotites incertae sedis* in Formicinae: Dlussky, *et al.* 2011: 451; Ward, Blaimer & Fisher, 2016: 349.

\**Camponotites* as senior synonym of \**Rabidia*: Dlussky, *et al.* 2008: 616 [by implication as type-species of \**Rabidia* transferred to \**Camponotites*].

\***CAMPONOTITES** [junior homonym of \**Camponotites* Steinbach; junior synonym of *Oecophylla*]

\**Camponotites* Dlussky, 1981b: 76. Type-species: \**Camponotites macropterus* Dlussky, 1981b: 76, by monotypy.

**Taxonomic history**

[Junior homonym of \**Camponotites* Steinbach (Formicidae).]

\**Camponotites incertae sedis* in Formicidae: Hölldobler & Wilson, 1990: 18; Dlussky & Rasnitsyn, 2002: 418.

\**Camponotites* in Formicinae, Camponotini: Bolton, 1994: 50; Bolton, 1995b: 23; Bolton, 2003: 27, 112.

\**Camponotites* as genus: Hölldobler & Wilson, 1990: 18; Bolton, 1994: 50; Bolton, 1995b: 23; Dlussky & Rasnitsyn, 2002: 418; Bolton, 2003: 112.

\**Camponotites* Dlussky as junior homonym of \**Camponotites* Steinbach: Dlussky, *et al.* 2011: 451.

\**Camponotites* Dlussky as junior synonym of *Oecophylla*: Perfilieva, *et al.* 2017: 399 (in text) [by implication as type-species of *Camponotites* Dlussky transferred to *Oecophylla*].

**CAMPONOTUS** [Formicinae: Camponotini]

*Camponotus* Mayr, 1861: 35. Type-species: *Formica ligniperda* Latreille, 1802c: 88, by subsequent designation of Bingham, 1903: 347.

**Taxonomic history**

[Type-species not *Formica herculeana* Linnaeus, 1758: 579, unjustified subsequent designation by Forel, 1914a: 259; repeated by Arnold, 1922: 612.]

*Camponotus* in Formicinae: Mayr, 1861: 35 [Formicidae]; Mayr, 1862: 652 (in key) [Formicidae]; Mayr, 1865: 6 [Formicidae]; Mayr, 1868b: 26 [Formicidae]; Dours, 1873: 164 [Formicidae]; Forel, 1874: 37 [Formicidae].

*Camponotus* in Camponotinae: Forel, 1878: 367 [Camponotidae]; Emery & Forel, 1879: 447 [Camponotidae]; Forel, 1892j: 223 [Camponotidae]; Dalla Torre, 1893: 219 [Camponotinae]; Emery, 1896e: 188 [Camponotinae].

*Camponotus* in Camponotinae, Camponotini: Forel, 1886f: 141; Forel, 1893a: 165; Forel, 1895b: 101; Emery, 1895j: 772; Forel, 1899c: 130; Ashmead, 1905b: 384; Wheeler, W.M. 1910g: 144; Forel, 1912i: 89; Wheeler, W.M. 1915h: 138; Emery, 1916b: 222; Forel, 1917: 250; Arnold, 1922: 610.

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

*Camponotus* in Formicinae, Camponotini: Bondroit, 1918: 65; Wheeler, W.M. 1922a: 703; Emery, 1925b: 59; subsequent authors; Hölldobler & Wilson, 1990: 18; Brandão, 1991: 332; Bolton, 1995b: 23; Bolton, 2003: 27, 112; Ward, Blaimer & Fisher, 2016: 345.

*Camponotus* as subgenus of *Formica*: Smith, F. 1871a: 306.

*Camponotus* as genus: all authors except Smith, F. 1871a: 306.

*Camponotus* (subgenus not given) as senior synonym of *\*Shanwangella*: Hong & Wu, 2000: 20; Bolton, 2003: 112.

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

**Subgenera of *Camponotus*** (alphabetical order with junior synonyms indicated): nominal plus *Dendromyrmex*, *Forelophilus*, *Hypercolobopsis* (= *Neocolobopsis*), *Karavaievia*, *Manniella*, *Mayria* (= *Myrmosaga*), *Myrmachaphe*, *Myrmamblys*, *Myrmaphaenus* (= *Neomyrmamblys*, = *Paracolobopsis*), *Myrmentoma*, *Myrmepinotus*, *Myrmepomis* (= *Myrmolophus*), *Myrmespera*, *Myrmeurynota*, *Myrmisolepis*, *Myrmobrachys*, *Myrmocladoecus*, *Myrmodirachis*, *Myrmomalis*, *Myrmonesites* (= *Myrmensites*), *Myrmopalpella*, *Myrmopelta*, *Myrmophyma* (= *Myrmocamelus*), *Myrmopiromis*, *Myrmoplatypus*, *Myrmoplatys*, *Myrmopsamma*, *Myrmopytia*, *Myrmosaulus*, *Myrmosericus*, *Myrmosphincta*, *Myrmostenus*, *Myrmotarsus*, *Myrmotemnus*, *Myrmothrix*, *Myrmotrema*, *Myrmoxygenys*, *Orthonotomyrmex* (= *Orthonotus* (junior homonym)), *Paramyrmamblys*, *Phasmomyrmex* (= *Myrmacantha*, = *Myrmorhachis*), *Pseudocolobopsis*, *Rhinomyrmex*, *Tanaemyrmex* (= *Myrmoturba*), *Thlipsepinotus*.

[Note (i): all subgenera were given as provisional junior synonyms of *Camponotus* by Brown, 1973b: 179-185. The list was repeated by Hölldobler & Wilson, 1990: 18, and Tang, J., Li, *et al.* 1995: 112, with all subgenera listed as junior synonyms. They reverted to subgeneric status in Brandão, 1991: 330 (Neotropical), Bolton, 1994: 50 (world), and Bolton, 2003: 113 (world). The entry of *Myrmophyma* and *Thlipsepinotus* under the synonymy of *Camponotus* by Taylor & Brown, 1985: 109, is not accepted as confirmation as not all taxa were included.]

[Note (ii): the subgeneric classification is retained here pending formal revision. While some subgenera appear monophyletic it is clear that several are patently artificial, including the largest subgenus, *Tanaemyrmex*.]

[Note (iii): world lists of species in *C. (Camponotus)*: Forel, 1914a: 266; Emery, 1920b: 255; Emery, 1925b: 71; Bolton, 1995b: 130.]

***Camponotus* catalogues:** Mayr, 1863: 397; Roger, 1863b: 1; Emery & Forel, 1879: 447 (Europe *Camponotus*); Cresson, 1887: 255 (U.S.A. *Camponotus*, *Colobopsis*); Dalla Torre, 1893: 219 (*Rhinomyrmex*, *Mayria*, *Camponotus*); Emery, 1896d: 364, 378 (classification, list); Emery, 1896d: 378 (*Dendromyrmex*); Emery, 1898a: 225 (additions to 1896d catalogue); Forel, 1914a: 266 (species listed by subgenus); Wheeler, W.M. 1922a: 948, 1039 (Afrotropical, Malagasy); Wheeler, W.M. 1922a: 992 (*Phasmomyrmex*); Emery, 1925b: 57, 58 (*Phasmomyrmex*, *P. (Myrmorhachis)*, *P. (Myrmacantha)*); Emery, 1925b: 59; Emery, 1925b: 69 (*C. (Dinomyrmex)*); Emery, 1925b: 70 (*C. (Myrmoxygenys)* & *C. (Myrmopsamma)*); Emery, 1925b: 71 (*C. (Camponotus)*); Emery, 1925b: 75 (*C. (Tanaemyrmex)*); Emery, 1925b: 104 (*C. (Myrmosericus)*); Emery, 1925b: 107 (*C.*

(*Myrmothrix*); Emery, 1925b: 109 (*C. (Myrmophyma)*); Emery, 1925b: 112 (*C. (Myrmosaulus)*); Emery, 1925b: 114 (*C. (Myrmopytia)*); Emery, 1925b: 115 (*C. (Karavaievia)*); Emery, 1925b: 116 (*C. (Myrmentoma)*); Emery, 1925b: 121 (*C. (Mayria)*); Emery, 1925b: 123 (*C. (Myrmonesites)*); Emery, 1925b: 124 (*C. (Orthonotomyrmex)*); Emery, 1925b: 126 (*C. (Myrmepinotus)*); Emery, 1925b: 127 (*C. (Myrmopiromis)*); Emery, 1925b: 130 (*C. (Myrmotrema)*); Emery, 1925b: 133 (*C. (Myrmisolepis)*); Emery, 1925b: 134 (*C. (Myrmotarsus)*); Emery, 1925b: 135 (*C. (Myrmoplatys)*); Emery, 1925b: 136 (*C. (Myrmamblys)*); Emery, 1925b: 142 (*C. (Rhinomyrmex)*); Emery, 1925b: 143 (*C. (Myrmogonia)*); Emery, 1925b: 144 (*C. (Colobopsis)*); Emery, 1925b: 151 (*C. (Myrmosphincta)*); Emery, 1925b: 152 (*C. (Myrmaphaenus)*); Emery, 1925b: 157 (*C. (Pseudocolobopsis)*); Emery, 1925b: 159 (*C. (Manniella)*); Emery, 1925b: 160 (*C. (Hypercolobopsis)*); Emery, 1925b: 161 (*C. (Myrmostenus)* & *C. (Myrmobrachys)*); Emery, 1925b: 166 (*C. (Myrmocladoecus)*); Emery, 1925b: 167 (*C. (Myrmeurynota)*); Emery, 1925b: 168 (*C. (Myrmodirachis)*); Emery, 1925b: 169 (*C. (Myrmomalis)* & *C. (Myrmoplatypus)*); Emery, 1925b: 170 (*C. (Myrmepomis)*); Emery, 1925b: 172 (*Dendromyrmex*); Chapman & Capco, 1951: 220 (Asia); Smith, M.R. 1951a: 839 (North America); Kempf, 1972a: 42, 95 (Neotropical *Camponotus*, *Dendromyrmex*); Smith, D.R. 1979: 1424 (North America); Taylor & Brown, 1985: 109 (Australia); Taylor, 1987a: 10, 16 (Australia, New Caledonia, New Zealand); Bolton, 1995b: 83, 169 (*Camponotus*, *Dendromyrmex*); Bolton, 1995b: 316 (*Phasmomyrmex*); Fisher & Bolton, 2016: 226 (Afrotropical, Malagasy checklist); Fisher & Bolton, 2016: 362 (*Phasmomyrmex* checklist).

**Camponotus references:** Mayr, 1861: 35 (Europe species key); Mayr, 1865: 6, 7 (*Camponotus*, *Colobopsis* diagnosis); Mayr, 1867a: 67 (*Colobopsis* diagnosis); Mayr, 1868b: 27 (\*Baltic Amber species key); Mayr, 1870a: 373 (Colombia + Panama (= New Grenada) species key); Mayr, 1870b: 941 (*Colobopsis* species key); André, 1874: 175 (Europe species key); Forel, 1874: 38 (Switzerland species key); Mayr, 1876: 58 (Australia species key); Mayr, 1878: 869 (all *Dendromyrmex* species key (as part of *Camponotus*)); Forel, 1878: 367, 368 (*Camponotus*, *Colobopsis* diagnoses); André, 1882a: 138 (Europe & Algeria species key); André, 1882b: 159 (Europe & Algeria *Colobopsis* species key); Provancher, 1887: 228 (Canada species key); Nasonov, 1889: 57 (Russia species key); Forel, 1891b: 71, 216 (Madagascar species key); Forel, 1892j: 223 (India & Sri Lanka species key); Emery, 1893i: 667 (North America species key); Forel, 1893b: 435 (India & Sri Lanka *C. (Colobopsis)* species key); Emery, 1895j: 772 (synoptic classification); Emery, 1896d: 370 (species groups); Emery, 1903: 65 (*C. novogranadensis* group key); Bingham, 1903: 343, 348 (India, Sri Lanka & Burma *Colobopsis*, *Camponotus* species keys); Ruzsky, 1905b: 185 (Russian Empire species key); Emery, 1908a: 183 (Palaeartic *C. herculeanus* & *C. maculatus* groups species key); Bondroit, 1910: 486 (Belgium species key); Wheeler, W.M. 1910d: 297 (North America species key); Forel, 1914a: 259, 266 (subgenera diagnoses); Stitz, 1914: 94 (Central Europe species key); Santschi, 1915c: 266 (*C. (Myrmotrema)* species key); Emery, 1916b: 228 (Italy species key); Wheeler, W.M. 1916m: 600 (U.S.A., Connecticut species key); Mann, 1916: 489 (*Dendromyrmex*, all species key); Bondroit, 1918 (France & Belgium species key); Emery, 1920b: 235 (subgenera diagnoses); Emery, 1920c: 8 (Old World *C. maculatus* group, checklist & key); Wheeler, W.M. 1921a: 16 (subgenera, notes); Santschi, 1921f: 310 (subgenera, notes); Mann, 1921: 489, 499 (Fiji Is *C. (Myrmogonia)* & *C. (Colobopsis)* species keys); Wheeler, W.M. 1922a: 232 (*Camponotus* diagnosis); Wheeler, W.M. 1922a: 703, 704 (short history of subgeneric classification, subgenera synopsis); Wheeler, W.M. 1922a: 704 (*C. (Camponotus)*); Wheeler, W.M. 1922a: 992 (*Phasmomyrmex* diagnosis); Arnold, 1922: 610, 612, 619, 662, 673 (diagnosis, South Africa subgenera synopsis, South Africa *C. (Tanaemyrmex)*, *C. (Myrmophyma)*, *C. (Myrmopsamma)* species keys); Arnold, 1924: 683, 700, 709, 724, 735 (South Africa *C. (Myrmosericus)*, *C. (Myrmamblys)*, *C. (Orthonotomyrmex)*, *C. (Myrmotrema)*, *C. (Myrmepomis)* species keys); Emery, 1925a: 62 (Palaeartic *C. lateralis* group, key); Emery, 1925b: 57, 58 (*Phasmomyrmex*, *P. (Myrmorhachis)*, *P. (Myrmacantha)* diagnoses); Emery, 1925b: 59 (*Camponotus* diagnosis, subgenera key); Emery, 1925b: 69 (*C. (Dinomyrmex)* diagnosis); Emery, 1925b: 70 (*C.*

(*Myrmoxxygenys*) & *C. (Myrmopsamma)* diagnoses); Emery, 1925b: 71 (*C. (Camponotus)* diagnosis); Emery, 1925b: 75 (*C. (Tanaemyrmex)* diagnosis); Emery, 1925b: 104 (*C. (Myrmosericus)* diagnosis); Emery, 1925b: 107 (*C. (Myrmothrix)* diagnosis); Emery, 1925b: 109 (*C. (Myrmophyma)* diagnosis); Emery, 1925b: 112 (*C. (Myrmosaulus)* diagnosis); Emery, 1925b: 114 (*C. (Myrmopytia)* diagnosis); Emery, 1925b: 115 (*C. (Karavaievia)* diagnosis); Emery, 1925b: 116 (*C. (Myrmentoma)* diagnosis); Emery, 1925b: 121 (*C. (Mayria)* diagnosis); Emery, 1925b: 123 (*C. (Myrmonesites)* diagnosis); Emery, 1925b: 124 (*C. (Orthonotomyrmex)* diagnosis); Emery, 1925b: 126 (*C. (Myrmepinotus)* diagnosis); Emery, 1925b: 127 (*C. (Myrmopiromis)* diagnosis); Emery, 1925b: 130 (*C. (Myrmotrema)* diagnosis); Emery, 1925b: 133 (*C. (Myrmisolepis)* diagnosis); Emery, 1925b: 134 (*C. (Myrrotarsus)* diagnosis); Emery, 1925b: 135 (*C. (Myrmoplatys)* diagnosis); Emery, 1925b: 136 (*C. (Myrmamblys)* diagnosis); Emery, 1925b: 142 (*C. (Rhinomyrmex)* diagnosis); Emery, 1925b: 143 (*C. (Myrmogonia)* diagnosis); Emery, 1925b: 144 (*C. (Colobopsis)* diagnosis); Emery, 1925b: 151 (*C. (Myrmosphincta)* diagnosis); Emery, 1925b: 152 (*C. (Myrmaphaenus)* diagnosis); Emery, 1925b: 157 (*C. (Pseudocolobopsis)* diagnosis); Emery, 1925b: 159 (*C. (Manniella)* diagnosis); Emery, 1925b: 160 (*C. (Hypercolobopsis)* diagnosis); Emery, 1925b: 161 (*C. (Myrmostenus)*) & *C. (Myrmobrachys)* diagnoses); Emery, 1925b: 166 (*C. (Myrmocladoecus)* diagnosis); Emery, 1925b: 167 (*C. (Myrmeurynota)* diagnosis); Emery, 1925b: 168 (*C. (Myrmodirachis)* diagnosis); Emery, 1925b: 169 (*C. (Myrmomalis)*) & *C. (Myrmoplatypus)* diagnoses); Emery, 1925b: 170 (*C. (Myrmepomis)* diagnosis); Emery, 1925b: 172 (*Dendromyrmex* diagnosis); Santschi, 1926a: 16, 21 (*C. (Myrmopelta)* diagnosis, species key); Karavaiev, 1927c: 275 (Ukraine species key); Arnol'di, 1933b: 601 (Russia species key); Menozzi, 1933b: 81 (Israel species key); Menozzi, 1935c: 330 (Chile species key); Karavaiev, 1936: 175 (Ukraine species key); Finzi, 1936: 190 (Egypt species key); Menozzi, 1939a: 316 (Himalaya & Tibet species key); Santschi, 1939d: 80 (North Africa *C. compressus* group key); Stitz, 1939: 236 (Germany species key); Kratochvíl, 1941: 109 (Central Europe species key); Novák & Sadil, 1941: 109 (Central Europe species key); Cole, 1942: 387 (U.S.A., Utah species key); Donisthorpe, 1932g: 248 (*C. (Orthonotomyrmex)* notes); Holgersen, 1943b: 174 (Norway species key); Holgersen, 1944: 199 (Norway species key); Buren, 1944a: 293 (U.S.A., Iowa species key); Creighton, 1950a: 362 (**Nearctic species keys**); Yasumatsu & Brown, 1951: 29 (*C. herculeanus* complex); Kusnezov, 1952d: 192 (Argentina species key); Yasumatsu & Brown, 1957: 45 (*C. herculeanus* complex); Pisarski, 1961a: 175 (Poland species key); Gregg, 1963: 655 (U.S.A., Colorado species key); Wheeler, G.C. & Wheeler, J. 1963: 163 (U.S.A., North Dakota species key); Arnol'di, 1967: 1817 (former U.S.S.R. *C. (Camponotus)* species key); Bernard, 1967: 330 (diagnosis, Western Europe species key); Hashmi, 1973: 1 (*C. (Myrmothrix)* **all species revision, key**); Alayo, 1974: 27 (Cuba species key); Snelling & Hunt, 1976: 117 (Chile species key); Tarbinsky, 1976: 144 (Kyrghyzstan species key); van Boven, 1977: 130 (Belgium species key); Kutter, 1977c: 191 (Switzerland species key); Arnol'di & Dlussky, 1978: 551 (former European U.S.S.R. species key); Collingwood, 1978: 90 (Iberian Peninsula species key); Collingwood, 1979: 87 (Fennoscandia & Denmark species key); Allred, 1982: 445 (U.S.A., Utah species key); Gösswald, 1985: 264 (Germany species key); Collingwood, 1985: 275 (Saudi Arabia species key); Dumpert, 1986: 571 (*C. (Karavaievia)* **species key**); Wheeler, G.C. & Wheeler, J. 1986g: 60 (U.S.A., Nevada species key); Agosti & Collingwood, 1987b: 282 (Balkans species key); Snelling, R.R. 1988: 57 (*C. (Myrmentoma)* **Nearctic species key**); Wang, C., Xiao & Wu, 1989a: 222 (China species key); Dlussky, *et al.* 1990: 125 (Turkmenistan species key); Kupyanskaya, 1990: 164 (Far Eastern Russia species key); Brandão, 1991: 332 (Neotropical catalogue); Morisita, *et al.* 1991: 38 (Japan species key); Terayama, 1991: 165 (Japan *C. (Paramyrmamblys)* species); Atanasov & Dlussky, 1992: 207 (Bulgaria species key); Wang, C. & Wu, 1994: 28 (China species key); Radchenko, 1994b: 116 (South Siberia species key); Arakelian, 1994: 82 (Armenia species key); Bolton, 1995a: 1048 (census); Douwes, 1995: 92 (Sweden species key); Dumpert, Maschwitz, Weissflog *et al.* 1995: 104 (*C. (Karavaievia)* **species key**);

Kupyanskaya, 1995: 352 (Far Eastern Russia species key); Wu, J. & Wang, 1995: 168 (China species key); Collingwood & Agosti, 1996: 370 (Saudi Arabia species key); Seifert, 1996b: 170 (Central Europe species key); Radchenko, 1996b: 1195 (Asiatic Palaearctic species key); Cagniant, 1996b: 87 (Morocco species key); McArthur & Adams, 1996: 18 (Australia *C. nigriceps* group, key); Dlussky, 1997: 55 (in Baltic amber genera key); Mackay, 1997: 194 (*C. (Myrmostenus) species key*); Mackay & Mackay, 1997b: 319 (*C. montivagus* complex, key); Snelling, R.R. 2000: 607 (*C. montivagus* complex, key); Robertson & Zachariades, 1997: 2 (*C. fulvopilosus* group, key); Snelling & Torres, 1998: 9 (Puerto Rico & Virgin Is species key); Collingwood & Prince, 1998: 24 (Portugal species key); Terayama, 1999b: 27 (Japan species key); Shattuck, 1999: 91 (Australia synopsis); Zhou, 2001b: 200 (China, Guangxi species key); McArthur & Shattuck, 2001: 27 (Australia *C. macrocephalus* group, key); Czechowski, *et al.* 2002: 153 (Poland species key); Fernández, 2002: 58 (*C. (Dendromyrmex)* diagnosis, **all species revision, key**); Mackay & Mackay, 2002: 248 (U.S.A., New Mexico species key); Shattuck & McArthur, 2002: 65 (Australia *C. wiederkehri* group key); Bolton, 2003: 112 (*Camponotus* synopsis); Bolton, 2003: 122 (*Phasmomyrmex* synopsis); Shattuck, 2005: 3 (*C. aureopilus* group key); Radchenko, 2005b: 188 (North Korea species key); Hansen & Klotz, 2005: 75 (North American “Carpenter Ants” key); Snelling, R.R. 2006: 96 (U.S.A. *C. festinatus* complex key); Karmaly & Narendran, 2006: 29 (India species key); Dumpert, Maschwitz & Weissflog, 2006: 77 (*C. (Karavaievia) species key*); Andersen, 2007: 32 (Australia species groups); MacGown, *et al.* 2007: 9 (southeast U.S.A. species key); McArthur, 2007a: 290 (Australia **species key**); Seifert, 2007: 152 (North and Central Europe species key); Zettel & Zimmermann, 2007: 19 (*Forelophilus* diagnosis, **all species revision, key**); Shattuck & Janda, 2009: 252 (*C. aureopilus* group key); Mackay & Delsinne, 2009: 496 (New World *C. maculatus* complex key); Terayama, 2009: 216 (Taiwan species key); Heterick, 2009: 60 (south-western Australia species key); Ionescu-Hirsch, 2010: 59 (Israel species key); McArthur, 2010: 18 (south Australia species key); Karaman, C. *et al.* 2011: 191 (Turkey, Kaz Mountains species key); McArthur, 2012: 9 (*C. (Colobopsis)* species review); Czechowski, *et al.* 2012: 380 (Poland species key); Sarnat & Economo, 2012: 44 (Fiji Is species key); Karaman & Aktaç, 2013: 49 (Turkey species key); Dlussky & Perfilieva, 2014: 419 (rock fossil diagnosis); Dlussky & Putyatina, 2014: 249 (diagnosis, compression fossils); McArthur, 2014: 24 (Australia **species key**); Baccaro, *et al.* 2015: 178 (genus in Brazil); Fisher & Bolton, 2016: 224 (*Camponotus* diagnosis); Fisher & Bolton, 2016: 362 (*Phasmomyrmex* diagnosis); Radchenko, 2016: 325 (Ukraine species key); Rakotonirina, *et al.* 2016: 99 (Malagasy *C. edmondi* group key); Ward, Blaimer & Fisher, 2016: 341 (*Camponotus/Colobopsis* separation key); Rakotonirina, *et al.* 2017: 215 (Malagasy *C. grandidieri* and *niveosetosus* groups key); Rasoamanana, *et al.* 2017: 130 (*C. (Myrmopytia)* species key); Rakotonirina & Fisher, 2018: 14 (Malagasy *Camponotus (Mayria)* species revision, key); Zettel, Balàka, *et al.* 2018: 129 (*C. (Myrmamblys) inquilinus* group key); Seiert, 2019b: 13 (*C. lateralis* group, Europe, Asia Minor, Caucasus species key); Fernández & Ortiz-Sepúlveda, 2019: 732 (Colombia); Mackay & Mackay, 2019: 744 (Colombia species key); Salata, Loss, *et al.* 2019: 89 (*C. kiesenwetteri* group key); Mackay, 2019: 24, 48, 137 (New World subgenera key, New World species complexes key, New World *C. (Camponotus)* species key).

**CAMPOSTIGMACROS** [junior synonym of *Stigmacros*]

**Campostigmacros** McAreavey, 1957: 25 [as subgenus of *Stigmacros*]. Type-species: *Acantholepis aemula* Forel, 1907h: 298, by original designation.

#### **Taxonomic history**

*Campostigmacros* as junior synonym of *Stigmacros*: Brown, 1973b: 179 [provisional]; Taylor & Brown, 1985: 145; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 23; Bolton, 2003: 100.

**CAMPTOGNATHA** [junior synonym of *Eciton*]

**Camptognatha** Gray, G.R. 1832: 516. Type-species: *Camptognatha testacea* Gray, G.R. 1832: 516 (junior synonym of *Formica hamata* Fabricius, 1782: 494), by monotypy.

**Taxonomic history**

*Camptognatha* as junior synonym of *Eciton*: Smith, F. 1855c: 160; Smith, F. 1858b: 148; Mayr, 1863: 402; Roger, 1863b: 36; Mayr, 1865: 76; Dalla Torre, 1893: 1; Forel, 1899c: 22; Emery, 1910b: 19; Donisthorpe, 1943f: 630; Borgmeier, 1955: 162; Kempf, 1972a: 101; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 23; Bolton, 2003: 144; Borowiec, M.L. 2016: 129.

**CAMPYLOMYRMA**: incorrect subsequent spelling of *Condylomyrma*.

\***CANANEURETUS** [Aneuretinae]

\**Cananeuretus* Engel & Grimaldi, 2005: 17. Type-species: \**Cananeuretus occidentalis* Engel & Grimaldi, 2005: 18, by original designation.

**Taxonomic history**

\**Cananeuretus incertae sedis* in Aneuretinae: Engel & Grimaldi, 2005: 17.

\**Cananeuretus* in Aneuretinae: Barden, 2017: 3.

\**Cananeuretus* as genus: all authors.

\***CANAPONE** [Ectatomminae]

\**Canapone* Dlussky, 1999b: 75. Type-species: \**Canapone dentata* Dlussky, 1999b: 76, by original designation.

**Taxonomic history**

\**Canapone* in Ponerinae: Dlussky, 1999b: 76.

\**Canapone incertae sedis* in Ectatomminae: Bolton, 2003: 46, 176; Borysenko, 2017: 20.

\**Canapone* in Ectatomminae: Barden, 2017: 3.

\**Canapone* as genus: all authors.

**CARDIOCONDYLA** [Myrmicinae: Crematogastrini]

*Cardiocondyla* Emery, 1869b: 20. Type-species: *Cardiocondyla elegans* Emery, 1869b: 21, by monotypy.

**Taxonomic history**

*Cardiocondyla* in Myrmicinae: Emery, 1877a: 81 [Myrmicidae]; Emery & Forel, 1879: 456 [Myrmicidae]; Dalla Torre, 1893: 70 [Myrmicinae]; Emery, 1896e: 186 [Myrmicinae].

*Cardiocondyla* in Myrmicinae, Myrmicini: Emery, 1895j: 769; Wheeler, W.M. 1910g: 139; Kusnezov, 1964: 57.

*Cardiocondyla* in Myrmicinae, Stenammini: Ashmead, 1905b: 383.

*Cardiocondyla* in Myrmicinae, Cardiocondyliini: Emery, 1914a: 40; Emery, 1916b: 152; Arnold, 1916: 200; Forel, 1917: 242; Emery, 1922e: 124; Wheeler, W.M. 1922a: 661; Kempf, 1972a: 73; Smith, D.R. 1979: 1375; Dlussky & Fedoseeva, 1988: 80; Brandão, 1991: 336; Jaffe, 1993: 10.

*Cardiocondyla* in Myrmicinae, Leptothoracini: Bolton, 1982: 311 (in text).

*Cardiocondyla* in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 23; Bolton, 2003: 244.

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

*Cardiocondyla* as genus: all authors.

*Cardiocondyla* as senior synonym of *Dyclona*: Brown, 1973b: 180 [provisional]; Smith, D.R. 1979: 1375; Bolton, 1982: 309; Hölldobler & Wilson, 1990: 12; Ogata, 1991b: 97; Bolton, 1995b: 23; Bolton, 2003: 70, 244.

*Cardiocondyla* as senior synonym of *Emeryia*: Forel, 1892h: 461; Forel, 1892i: 313; Dalla Torre, 1893: 70; Emery, 1922e: 124; subsequent authors; Bolton, 1973a: 341; Bolton, 1982: 309; Bolton, 1995b: 23; Bolton, 2003: 244.

*Cardiocondyla* as senior synonym of *Loncyda*: Brown, 1973b: 181 [provisional]; Smith, D.R. 1979: 1375; Bolton, 1982: 309; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 23; Bolton, 2003: 245.

*Cardiocondyla* as senior synonym of *Prosopidris*: Smith, D.R. 1979: 1375; Bolton, 1982: 309; Hölldobler & Wilson, 1990: 12; Bolton, 1995b: 23; Bolton, 2003: 245.

*Cardiocondyla* as senior synonym of *Xenometra*: Baroni Urbani, 1973: 200; Marikovskiy & Yakushkin, 1974: 60; Smith, D.R. 1979: 1375; Bolton, 1982: 309; Hölldobler & Wilson, 1990: 12; Brandão, 1991: 336; Bolton, 1995b: 23; Bolton, 2003: 244.

***Cardiocondyla* catalogues:** Emery & Forel, 1879: 456 (Europe); Dalla Torre, 1893: 70; Emery, 1922e: 124, 126 (*Cardiocondyla*, *Xenometra*); Wheeler, W.M. 1922a: 827, 1021 (Afrotropical, Malagasy); Chapman & Capco, 1951: 83 (Asia); Smith, M.R. 1951a: 807 (North America); Kempf, 1972a: 73, 259 (Neotropical *Cardiocondyla*, *Xenometra*); Smith, D.R. 1979: 1375 (North America); Bolton, 1995b: 132; Fisher & Bolton, 2016: 233 (Afrotropical, Malagasy checklist).

***Cardiocondyla* references:** André, 1883a: 327 (Europe & Algeria species key); Forel, 1903a: 688 (India & Sri Lanka species key); Bingham, 1903: 287 (India, Sri Lanka & Burma species key); Ruzsky, 1905b: 623 (Russian Empire species key); Emery, 1909a: 20 (Palearctic species key); Arnold, 1916: 200 (diagnosis); Emery, 1916b: 153 (Italy species); Emery, 1922e: 124, 126 (*Cardiocondyla*, *Xenometra* diagnoses); Wheeler, W.M. 1922a: 149 (diagnosis); Kuznetsov-Ugamsky, 1927d: 37 (Turkestan species key); Karavaiev, 1934: 114 (Ukraine species key); Finzi, 1936: 172 (Egypt species key); Smith, M.R. 1944a: 32 (U.S.A. species key); Creighton, 1950a: 197 (**Nearctic species key**); Bernard, 1956c: 301 (Palearctic species key); Bernard, 1967: 156 (diagnosis, Western Europe species key); Bernard, 1967: 158 (*Xenometra* diagnosis); Alayo, 1974: 12 (Cuba species key); Tarbinsky, 1976: 71 (Kyrgyzstan species key); Arnol'di & Dlussky, 1978: 538 (former European U.S.S.R. species key); Collingwood, 1978: 86 (Iberian Peninsula species key); Bolton, 1982: 309 (diagnosis, **Afrotropical species revision, key**); Kugler, J. 1984: 17 (males, key); Collingwood, 1985: 256 (Saudi Arabia species key); Agosti & Collingwood, 1987b: 276 (Balkans species key); Dlussky, *et al.* 1990: 193 (Turkmenistan species key); Ogata, 1991b: 96 (diagnosis, Japan); Morisita, *et al.* 1992: 31 (Japan species key); Atanasov & Dlussky, 1992: 172 (Bulgaria species key); Arakelian, 1994: 42 (Armenia species key); Bolton, 1995a: 1048 (census); Radchenko, 1995b: 452 (Palearctic species key); Mackay, 1995: 170 (New World species key); Wu, J. & Wang, 1995: 68 (China species key); Collingwood & Agosti, 1996: 326 (Saudi Arabia species key); Collingwood & Prince, 1998: 16 (Portugal species key); Terayama, 1999d: 99 (Japan species, review); Shattuck, 1999: 129 (Australia synopsis); Zhou, 2001b: 85 (China, Guangxi species key); Rigato, 2002: 172 (**Afrotropical species key**); Seifert, 2003a: 292 (*C. elegans*, *C. bulgarica*, *C. batesii*, *C. nuda*, *C. shuckardi*, *C. stambuloffii*, *C. wroughtonii*, *C. emeryi* and *C. minutior* groups; **group revisions, key**); Terayama, 2009: 179 (Taiwan species key); Eguchi, *et al.* 2011: 13 (diagnosis, Vietnam synopsis); Sarnat & Economo, 2012: 72 (Fiji Is species key); Baccaro, *et al.* 2015: 270 (genus in Brazil); Fisher & Bolton, 2016: 231 (diagnosis); Seifert, D'Eustacchio, *et al.* 2017: 337 (*C. nuda* group key); Fernández & Serna, 2019: 819 (Colombia species key).

**CARDIOPHEIDOLE** [junior synonym of *Pheidole*]

***Cardiophageidole*** Wheeler, W.M. 1914b: 48 [as subgenus of *Pheidole*]. Type-species: *Pheidole vaslitii* Pergande, 1896: 883 (junior synonym of *Pheidole hyatti* Emery, 1895c: 295), by original designation.

#### **Taxonomic history**

*Cardiophageidole* as subgenus of *Pheidole*: Wheeler, W.M. 1914b: 48; Forel, 1917: 241.

*Cardiopheidole* as junior synonym of *Pheidole*: Emery, 1915i: 190; Emery, 1921f: 84; Kempf, 1972a: 185; Smith, D.R. 1979: 1366; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 23; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 234.

**CAREBARA** [Myrmicinae: Crematogastrini]

**Carebara** Westwood, 1840b: 86. Type-species: *Carebara lignata* Westwood, 1840b: 86, by monotypy.

**Taxonomic history**

*Carebara* in Attidae: Smith, F. 1858b: 178.

*Carebara* in Myrmicinae: Mayr, 1865: 23 [Myrmicidae]; Smith, F. 1871a: 334 [Myrmicidae]; Dalla Torre, 1893: 74 [Myrmicinae].

*Carebara* in Myrmicinae, Pheidolini: Emery, 1877a: 81 [Myrmicidae, Pheidolidae].

*Carebara* in Myrmicinae, Myrmicariini: Ashmead, 1905b: 383.

*Carebara* in Myrmicinae, Solenopsidini: Forel, 1893a: 164; Emery, 1895j: 770; Emery, 1896e: 182; Wheeler, W.M. 1910g: 140; Santschi, 1914b: 84; Wheeler, W.M. 1922a: 663; Kusnezov, 1964: 61; Kempf, 1972a: 74; Bolton, 1973a: 351; Jaffe, 1993: 10; Bolton, 2003: 61, 209.

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

*Carebara* in Myrmicinae, Pheidologetini: Emery, 1913c: 586 (footnote); Emery, 1914a: 41; Arnold, 1916: 248; Forel, 1917: 244; Emery, 1924d: 219 [subtribe Pheidologetini]; Dlussky & Fedoseeva, 1988: 80; Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106 [Pheidologetonini]; Bolton, 1995b: 23.

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

*Carebara* as genus: all authors.

*Carebara* as senior synonym of *Aeromyrma*: Fernández, 2004a: 194.

*Carebara* as senior synonym of *Afroxyidris*: Fernández, 2004a: 194.

*Carebara* as senior synonym of *Amauromyrmex*: Fischer, *et al.* 2014: 63

*Carebara* as senior synonym of *Aneleus*: Fernández, 2004a: 194.

*Carebara* as senior synonym of *Crateropsis*: Fernández, 2004a: 194.

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

*Carebara* as senior synonym of *Hendecatella*: Fernández, 2004a: 194.

*Carebara* as senior synonym of *Idrisella*: Fischer, *et al.* 2014: 63

*Carebara* as senior synonym of *Lecanomyrma*: Fernández, 2004a: 194.

*Carebara* as senior synonym of *Neoblepharidatta*: Fernández, 2004a: 194.

*Carebara* as senior synonym of *Nimbamyrma*: Fernández, 2004a: 194; Fernández, 2010: 201.

*Carebara* as senior synonym of *Oligomyrmex*: Fernández, 2004a: 194.

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

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

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

*Carebara* as senior synonym of *Solenops*: Fernández, 2004a: 194.

*Carebara* as senior synonym of *Spelaeomyrmex*: Fernández, 2004a: 194.

*Carebara* as senior synonym of *Sporocleptes*: Fernández, 2004a: 194.

**Carebara catalogues:** Mayr, 1863: 402, 442 (*Carebara*, *Pheidologeton*); Roger, 1863b: 30, 32 (*Pheidologeton*, *Carebara*); Dalla Torre, 1893: 72, 74, 74, 78 (*Pheidologeton*, *Carebara*, *Oligomyrmex*, *Aeromyrma*); W.M. 1922a: 880, 881, 882, 883, 884 (*Afrotropical Aneleus*, *Oligomyrmex*, *Aeromyrma*, *Carebara*, *Paedalgus*, *Pheidologeton*); Wheeler, W.M. 1922a: 1028 (*Malagasy Oligomyrmex*, *Aeromyrma*); Emery, 1924d: 211, 213, 215, 215, 217, 218, 219, 221 (*Pheidologeton*, *Aneleus*, *Aneleus (Lecanomyrma)*, *Oligomyrmex (Aeromyrma)*, *O. (Oligomyrex)*, *Erebomyrma*, *Carebara*, *Paedalgus*); Chapman & Capco, 1951: 151, 154, 155, 156, 158 (Asia

*Carebara*, *Aeromyrma*, *Amauromyrmex*, *Aneleus*, *Oligomyrmex*, *Paedalgus*, *Pheidologeton*); Smith, M.R. 1951a: 815 (North America *Erebomyrma*); Ettershank, 1966: 119, 115, 125, 128 (*Oligomyrmex*, *Pheidologeton*, *Carebara*, *Paedalgus*); Kempf, 1972a: 74, 172 (Neotropical *Carebara*, *Oligomyrmex*); Smith, D.R. 1979: 1389 (North America *Oligomyrmex*); Taylor & Brown, 1985: 71, 79 (Australia *Oligomyrmex*, *Pheidologeton*); Taylor, 1987a: 50, 55 (Australia, New Caledonia *Oligomyrmex*, *Pheidologeton*); Brandão, 1991: 342 (Neotropical *Oligomyrmex*); Bolton, 1995b: 133, 298, 311, 333 (*Carebara*, *Oligomyrmex*, *Paedalgus*, *Pheidologeton*); Fisher & Bolton, 2016: 236 (Afrotropical, Malagasy checklist).

***Carebara* references:** Smith, F. 1858b: 178 (*Carebara* diagnosis); Mayr, 1865: 22, 23 (*Pheidologeton*, *Carebara* diagnoses); Mayr, 1867a: 100, 106 (*Pheidologeton*, *Carebara* diagnoses); Forel, 1903a: 690 (India & Sri Lanka species key); Bingham, 1903: 150, 154, 162 (*Carebara* diagnosis, *Oligomyrmex*, *Pheidologeton* India, Sri Lanka & Burma species key); Santschi, 1913e: 459 (African *Oligomyrmex*, key); Santschi, 1914d: 363 (Afrotropical *Carebara* species key); Arnold, 1916: 248, 254, 256 (*Carebara*, *Aneleus*, *Aeromyrma* diagnoses); Wheeler, W.M. 1922a: 165, 682, 687 (*Aeromyrma* diagnosis, *Pheidologeton*, *Oligomyrmex* subgenera key); Wheeler, W.M. 1922a: 168, 172 (*Carebara* diagnosis, Afrotropical species key); Wheeler, W.M. 1922a: 177 (*Paedalgus* diagnosis); Emery, 1924d: 211, 213, 215, 215, 217, 218, 219, 221 (*Pheidologeton*, *Aneleus*, *Aneleus* (*Lecanomyrma*), *Oligomyrmex* (*Aeromyrma*), *O.* (*Oligomyrma*), *Erebomyrma*, *Carebara*, *Paedalgus* diagnoses); Weber, 1950a: 1 (Africa *Oligomyrmex* species, synopsis); Weber, 1952: 11 (Africa *O.* (*Aeromyrma*) species key); Ettershank, 1966: 115, 119, 125, 128 (*Pheidologeton*, *Oligomyrmex*, *Carebara*, *Paedalgus* diagnoses, review of genera); Ogata, 1991b: 110 (*Oligomyrmex* diagnosis, Japan); Taylor, 1991b: 605 (*Oligomyrmex* Australia species, partial key); Morisita, *et al.* 1992: 45 (*Oligomyrmex* Japan species key); Bolton & Belshaw, 1993: 181 (*Paedalgus* diagnosis, **all species revision, key**); Wu, J. & Wang, 1995: 72, 74 (*Pheidologeton*, *Oligomyrmex* China species key); Terayama, 1996: 24 (*Oligomyrmex* Japan species key); Dlussky, 1997: 55 (*Oligomyrmex*, in Baltic amber genera key); Shattuck, 1999: 148, 156 (*Oligomyrmex*, *Pheidologeton* Australia synopses); Zhou, 2001b: 89 (*Pheidologeton* China, Guangxi species key); Xu, 2003: 311 (*Oligomyrmex* China species key); Fernández, 2004a: 198 (**New World species revision, keys**); Zhou, Zhao & Jia, 2006: 870 (*Pheidologeton* China species key); Terayama, 2009: 151, 156 (*Carebara*, *Pheidologeton* Taiwan species key); Eguchi, *et al.* 2011: 22, 23 (*Oligomyrmex*, *Parvimyrma* diagnosis, Vietnam synopsis); Terayama, Lin & Eguchi, 2012: 5 (Taiwan species key); Bharti & Kumar, 2013b: 61 (India species key); Sharaf & Aldawood, 2013b: 70 (Saudi Arabia species key); Fischer, *et al.* 2014: 57 (Afrotropical *C. polita* species group); Bharti & Kumar, 2014b: 321 (India species key); Baccaro, *et al.* 2015: 272 (genus in Brazil); Fisher & Bolton, 2016: 235 (diagnosis); Akbar & Bharti, 2017: 36 (India species key); Fernández & Serna, 2019: 820 (Colombia species key).

*CAREBARELLA* [junior synonym of *Solenopsis*]

***Carebarella*** Emery, 1906c: 137. Type-species: *Carebarella bicolor* Emery, 1906c: 138, by monotypy.

#### **Taxonomic history**

*Carebarella* in Myrmicinae, *Megalomyrmex* genus group: Ettershank, 1966: 81.

*Carebarella* in Myrmicinae, *Solenopsis* genus group: Bolton, 1987: 271; Brandão, 1991: 336.

*Carebarella* in Myrmicinae, *Megalomyrmecini*: Dlussky & Fedoseeva, 1988: 80.

*Carebarella* in Myrmicinae, *Solenopsidini*: Wheeler, W.M. 1910g: 140; Emery, 1914a: 41; Forel, 1917: 243; Emery, 1922e: 193 [subtribe *Solenopsidini*]; Wheeler, W.M. 1922a: 663; Borgmeier, 1948b: 463; Kempf, 1972a: 74; Hölldobler & Wilson, 1990: 16; Jaffe, 1993: 10; Bolton, 1994: 106; Bolton, 1995b: 23; Bolton, 2003: 61, 209.

*Carebarella* as genus: Wheeler, W.M. 1910g: 140; Emery, 1914a: 41; Forel, 1917: 243; Emery, 1922e: 193; Wheeler, W.M. 1922a: 663; Borgmeier, 1948b: 463; Ettershank, 1966: 113;

Kempf, 1972a: 74; Bolton, 1987: 271; Dlussky & Fedoseeva, 1988: 80; Hölldobler & Wilson, 1990: 13; Brandão, 1991: 336; Jaffe, 1993: 10; Bolton, 1994: 106; Bolton, 1995b: 23; Bolton, 2003: 209.

*Carebarella* as junior synonym of *Solenopsis*: Pacheco & Mackay, 2013: 37 [by implication as type-species of *Carebarella* transferred to *Solenopsis*]; Ward, *et al.* 2015: 75.

**CAREBARELLOIDES** [junior synonym of *Solenopsis*]

**Carebarelloides** Borgmeier, 1937b: 236 [as subgenus of *Carebarella*]. Type-species: *Carebarella* (*Carebarelloides*) *condei* Borgmeier, 1937b: 236, by original designation.

**Taxonomic history**

*Carebarelloides* as junior synonym of *Carebarella*: Ettershank, 1966: 113; Kempf, 1972a: 74; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 23; Bolton, 2003: 209.

*Carebarelloides* as junior synonym of *Solenopsis*: Pacheco & Mackay, 2013: 37 [by implication as type-species of *Carebarella* transferred to *Solenopsis*].

\***CARIRIDRIS** [*incertae sedis* in Ampulicidae]

\***Cariridris** Brandão & Martins-Neto, 1990: 201. Type-species: \**Cariridris bipetiolata* Brandão & Martins-Neto, 1990: 201, by original designation.

**Taxonomic history**

\**Cariridris incertae sedis* in Myrmeciinae: Brandão & Martins-Neto, 1990: 203; Brandão, 1991: 336; Bolton, 1994: 73; Bolton, 1995b: 23.

\**Cariridris incertae sedis* in Formicidae: Bolton, 2003: 263.

\**Cariridris* as genus: all authors.

\**Cariridris* **excluded from Formicidae**, *incertae sedis* in Hymenoptera, Aculeata: Grimaldi, *et al.* 1997: 7; Ward & Brady, 2003: 362.

\**Cariridris* **excluded from Formicidae**, transferred to **Sphecidae**: Verhaagh, 1996: 11.

\**Cariridris* **excluded from Formicidae**, *incertae sedis* in **Ampulicidae**: Rasnitsyn, 2002: 249; Dlussky & Rasnitsyn, 2002: 418; Dlussky, 2012: 288 (in text).

\***CASALEIA** [Amblyoponinae]

\***Casaleia** Pagliano & Scaramozzino, 1990: 5.

**Taxonomic history**

[Replacement name for \**Protamblyopone* Dlussky, 1981b: 65; junior homonym of *Protamblyopone* Wheeler, W.M. 1927c: 1 (Formicidae).]

\**Casaleia* in Ponerinae, Amblyoponini: Bolton, 1994: 164; Bolton, 1995b: 23.

\**Casaleia* in Amblyoponinae: Bolton, 2003: 42, 155; Dlussky & Putyatina, 2014: 267.

\**Casaleia* as genus: all authors.

\***Casaleia catalogue**: Bolton, 1995b: 134.

\***Casaleia references**: Dlussky & Wedmann, 2012: 727 (diagnosis); Dlussky & Putyatina, 2014: 267 (diagnosis, compression fossils).

**CATAGLYPHIS** [Formicinae: Formicini]

**Cataglyphis** Foerster, 1850b: 493. Type-species: *Cataglyphis fairmairei* Foerster, 1850b: 494 (junior synonym of *Formica bicolor* Fabricius, 1793: 351), by monotypy.

**Taxonomic history**

*Cataglyphis* in Formicinae: Mayr, 1861: 44 [Formicidae]; Mayr, 1862: 653 (in key) [Formicidae]; Mayr, 1865: 8 [Formicidae].

*Cataglyphis* in Camponotinae, Formicini: Wheeler, W.M. 1910g: 144; Forel, 1912i: 89; Emery, 1916b: 267; Forel, 1917: 250.

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

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

*Cataglyphis* in Formicinae, Formicini: Bondroit, 1918: 38; Wheeler, W.M. 1922a: 699; Emery, 1925b: 261; Agosti, 1994a: 93; Bolton, 1994: 50; Bolton, 1995b: 23; Bolton, 2003: 28, 126; Ward, Blaimer & Fisher, 2016: 346.

*Cataglyphis* as junior synonym of *Formica*: Smith, F. 1858b: 1.

*Cataglyphis* as senior synonym of *Myrmecocystus*: Mayr, 1863: 402; Roger, 1863b: 12.  
[Note: Mayr and Roger give *Cataglyphis* as senior synonym, but *Myrmecocystus* has priority.]

*Cataglyphis* as junior synonym of *Myrmecocystus*: Forel, 1878: 372; Emery & Forel, 1879: 449; André, 1882b: 165; Forel, 1886f: 201; Mayr, 1886d: 424; Dalla Torre, 1893: 216; Forel, 1899c: 129; Bingham, 1903: 312; Ruzsky, 1905b: 426; Emery, 1906d: 47; Emery, 1908g: 213; Karavaiev, 1924: 301.

*Cataglyphis* as subgenus of *Myrmecocystus*: Wheeler, W.M. 1910g: 144; Wheeler, W.M. 1911f: 160.

*Cataglyphis* as genus: Foerster, 1850b: 493; Roger, 1863b: 12; Mayr, 1861: 44; Mayr, 1863: 402; Mayr, 1865: 8; Mayr, 1870b: 952; Dours, 1873: 166; Wheeler, W.M. 1913a: 78; Wheeler, W.M. 1922a: 945; Emery, 1925b: 261; subsequent authors.

*Cataglyphis* as senior synonym of *Eomonocombus*: Brown, 1973b: 180 [provisional]; Agosti, 1990b: 1462; Hölldobler & Wilson, 1990: 18; Agosti, 1994a: 103; Bolton, 1995b: 23; Bolton, 2003: 127.

*Cataglyphis* as senior synonym of *Machaeromyrma*: Baroni Urbani, 1969d: 218; Agosti, 1990b: 1462; Hölldobler & Wilson, 1990: 18; Agosti, 1994a: 103; Bolton, 1995b: 23; Bolton, 2003: 127.

*Cataglyphis* as senior synonym of *Monocombus*: Mayr, 1861: 44; Roger, 1863b: 12; Mayr, 1863: 402; Wheeler, W.M. 1911f: 167; Wheeler, W.M. 1922a: 944; Emery, 1925b: 261; Donisthorpe, 1943f: 663; Agosti, 1990b: 1462; Hölldobler & Wilson, 1990: 18; Agosti, 1994a: 103; Bolton, 1995b: 23; Bolton, 2003: 127.

*Cataglyphis* as senior synonym of *Paraformica*: Brown, 1973b: 183 [provisional]; Agosti, 1990b: 1462; Hölldobler & Wilson, 1990: 18; Agosti, 1994a: 103; Bolton, 1995b: 23; Bolton, 2003: 127.

***Cataglyphis* catalogues:** Mayr, 1863: 402; Roger, 1863b: 12; Emery & Forel, 1879: 449 (Europe, as *Myrmecocystus*); Dalla Torre, 1893: 216 (as part of *Myrmecocystus*); Wheeler, W.M. 1922a: 945 (Afrotropical); Emery, 1925b: 260, 261, 266 (*Paraformica*, *Cataglyphis*, *C. (Machaeromyrma)*); Chapman & Capco, 1951: 197, 203 (Asia); Agosti, 1990b: 1480; Bolton, 1995b: 135; Fisher & Bolton, 2016: 239 (Afrotropical checklist).

***Cataglyphis* references:** Mayr, 1861: 44 (diagnosis, Europe species key); Mayr, 1865: 8 (diagnosis); André, 1874: 181 (Europe species key); Forel, 1878: 372 (diagnosis); André, 1882b: 166 (Europe & Algeria species key); Nasonov, 1889: 60 (Russia species key); Bingham, 1903: 312 (diagnosis); Ruzsky, 1905b: 426 (Russian Empire species key); Emery, 1906d: 60 (Palaeartic species (as *Myrmecocystus*), key); Wheeler, W.M. 1922a: 699 (subgenera key); Emery, 1925b: 260, 261, 266 (*Paraformica*, *Cataglyphis*, *C. (Machaeromyrma)* diagnoses); Santschi, 1929b: 56 (**all species key**); Menozzi, 1933b: 86 (Israel species key); Kratochvíl, 1941: 108 (Central Europe species key); Bernard, 1967: 280 (diagnosis); Tarbinsky, 1976: 197 (Kyrgyzstan species key); Arnol'di & Dlussky, 1978: 554 (former European U.S.S.R. species key); Collingwood, 1978: 92 (Iberian Peninsula species key); Agosti & Collingwood, 1987b: 284 (Balkans species key); Collingwood, 1985: 284 (Saudi Arabia species key); Agosti, 1990b: 1457 (review of genus, diagnosis, species groups key); Dlussky, *et al.* 1990: 146 (Turkmenistan species key); Atanasov & Dlussky, 1992: 292 (Bulgaria species key); Agosti, 1994a: 103 (diagnosis, review of genus); Arakelian, 1994: 103 (Armenia species key); Bolton, 1995a: 1048 (census); Collingwood & Agosti, 1996: 375 (Saudi Arabia species key); Seifert, 1996b: 179 (Central Europe species key); Collingwood & Prince, 1998: 28 (Portugal species key); Radchenko, 1998: 502 (Asia species key);

Radchenko, 2001: 885 (phylogeny); Chang & He, 2002b: 62 (northwest China species key); Bolton, 2003: 126 (synopsis); Seifert, 2007: 159 (North and Central Europe species key); Cagniant, 2009: 44 (Morocco species key); Sharaf, Collingwood & Aldawood, 2015: 107 (*C. pallida* group key); Wachkoo & Bharti, 2015a: 9 (India species key); Fisher & Bolton, 2016: 237 (diagnosis).

\***CATAGLYPHOIDES** [Formicinae: Formicini]

\**Cataglyphoides* Dlussky, 2008a: 46. Type-species: \**Camponotus constrictus* Mayr, 1868b: 29, by original designation.

#### **Taxonomic history**

\**Cataglyphoides* in Formicinae, Formicini: Dlussky, 2008a: 46; Ward, Blaimer & Fisher, 2016: 346.

\**Cataglyphoides* as genus: all authors.

**CATAULACUS** [Myrmicinae: Crematogastrini]

*Cataulacus* Smith, F. 1853: 225. Type-species: *Cataulacus taprobanae* Smith, F. 1853: 225, by subsequent designation of Bingham, 1903: 120.

#### **Taxonomic history**

*Cataulacus* in Myrmicidae, Cryptoceridae: Smith, F. 1853: 225; Emery, 1877a: 81.

*Cataulacus* in Formicidae, Cryptoceridae: Smith, F. 1857a: 80; Smith, F. 1858b: 195; Smith, F. 1862a: 49; Smith, F. 1862d: 414; Smith, F. 1871a: 334; Smith, F. 1876d: 609.

*Cataulacus* in Myrmicinae: Mayr, 1865: 26 [Myrmicidae]; Dalla Torre, 1893: 137 [Myrmicinae].

*Cataulacus* in Myrmicinae, Dacetini: Forel, 1892d: 344; Forel, 1893a: 164.

*Cataulacus* in Cryptoceridae, Cataulacinae: Ashmead, 1905b: 384.

*Cataulacus* in Myrmicinae, Cataulacini: Emery, 1895j: 771 [Cataulacii]; Emery, 1896e: 180 [Cataulacii]; Wheeler, W.M. 1910g: 142; Emery, 1914a: 42; Forel, 1917: 246; Arnold, 1917: 386; Wheeler, W.M. 1922a: 665; Emery, 1924d: 294; Bolton, 1974a: 9; Bolton, 1995b: 23; Bolton, 2003: 56, 193.

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

*Cataulacus* as genus: all authors.

*Cataulacus* as senior synonym of *Otomyrmex*: Wheeler, W.M. 1922a: 665 (in text); Brown, 1973b: 183 [provisional]; Bolton, 1974a: 1; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 23; Bolton, 2003: 193.

[**CATALAUCUS**: incorrect subsequent spelling by Snelling, R.R. 1992a: 100.]

***Cataulacus* catalogues**: Mayr, 1863: 402; Roger, 1863b: 39; Dalla Torre, 1893: 137; Wheeler, W.M. 1922a: 912, 1033 (Afrotropical, Malagasy); Emery, 1924d: 294, 299 (*Cataulacus*, *C. (Otomyrmex)*); Chapman & Capco, 1951: 84 (Asia); Bolton, 1995b: 137; Fisher & Bolton, 2016: 241 (Afrotropical, Malagasy checklist).

***Cataulacus* references**: Mayr, 1865: 26 (diagnosis); Mayr, 1870a: 413 (Colombia + Panama (= New Grenada) species key, see under *Procryptocerus*); Forel, 1903a: 706 (India & Sri Lanka species key); Bingham, 1903: 121 (India, Sri Lanka & Burma species key); Wheeler, W.M. 1910g: 142 (diagnosis); Emery, 1914a: 39 (diagnosis (in key)); Arnold, 1917: 386 (diagnosis); Arnold, 1920a: 403 (South Africa species key); Wheeler, W.M. 1922a: 197 (diagnosis); Emery, 1924d: 294, 299 (*Cataulacus*, *C. (Otomyrmex)* diagnoses); Bolton, 1974a: 7 (revision of tribe, diagnosis, **all species revision**; **Afrotropical & Malagasy species key**: 13, **Oriental & Malesian species key**: 59); Wheeler, G.C. & Wheeler, J. 1976b: 59 (larvae, review & synthesis); Kugler, C. 1978a: 476 (sting structure); Bolton, 1982: 354 (**Afrotropical species, revised key**); Bolton, 1994: 105 (synoptic classification); Bolton, 2003: 55, 193 (diagnosis, synopsis); Eguchi, *et al.* 2011: 13 (diagnosis, Vietnam synopsis); Fisher & Bolton, 2016: 239 (diagnosis).

**CAULOMYRMA** [junior synonym of *Nesomyrmex*]

*Caulomyrma* Forel, 1914d: 233 [as subgenus of *Leptothorax*]. Type-species: *Leptothorax echinatinodis* Forel, 1886b: xlvi, by original designation.

#### **Taxonomic history**

*Caulomyrma* as subgenus of *Leptothorax*: Forel, 1914d: 233; Forel, 1917: 244.

*Caulomyrma* as junior synonym of *Goniothorax*: Emery, 1924d: 249.

[Note: incorrect procedure as *Goniothorax* is a junior homonym, for which *Nesomyrmex* is the first available replacement name (Smith, M.R. 1950: 30).]

*Caulomyrma* as junior synonym of *Leptothorax*: Brown, 1973b: 182 [provisional]; Bolton, 1973a: 346; Bolton, 1982: 319; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 94.

*Caulomyrma* as junior synonym of *Nesomyrmex*: Forel, 1915c: 364; Emery, 1915g: 24; Wheeler, W.M. 1922a: 679; Donisthorpe, 1943f: 631; Bolton, 1995b: 23; Bolton, 2003: 249, 272.

**CAUTOLASIUS** [subgenus of *Lasius*]

*Cautolasius* Wilson, 1955a: 13 [as subgenus of *Lasius*]. Type-species: *Formica flava* Fabricius, 1782: 491, by original designation.

#### **Taxonomic history**

*Cautolasius* as junior synonym of *Lasius*: Brown, 1973b: 179 [provisional]; Hölldobler & Wilson, 1990: 18; Tang, J., Li, *et al.* 1995: 108.

*Cautolasius* as subgenus of *Lasius*: Smith, D.R. 1979: 1435; Bolton, 1995b: 23; Bolton, 2003: 97.

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

***Cautolasius* references:** included under *Lasius*.

**CENTROMYRMEX** [Ponerinae: Ponerini]

*Centromyrmex* Mayr, 1866b: 894. Type-species: *Centromyrmex bohemani* Mayr, 1866b: 895 (junior synonym of *Ponera brachycola* Roger, 1861a: 5), by monotypy.

#### **Taxonomic history**

*Centromyrmex* in Poneridae: Mayr, 1866b: 894.

*Centromyrmex* in Ponerinae: Dalla Torre, 1893: 15 [Ponerinae]; Emery, 1896e: 177 [Ponerinae].

*Centromyrmex incertae sedis* in Ponerinae: Jaffe, 1993: 8.

*Centromyrmex* in Ponerinae, Ponerini: Forel, 1895b: 111; Forel, 1899c: 2; Emery, 1901a: 35; Forel, 1900d: 303; Ashmead, 1905b: 382; Wheeler, W.M. 1910g: 135; Emery, 1911d: 57 [subtribe Centromyrmecini]; Arnold, 1915: 38; Forel, 1917: 237 [subtribe Centromyrmecini]; Wheeler, W.M. 1922a: 646; subsequent authors; Hölldobler & Wilson: 1990: 10; Bolton, 1995b: 23; Bolton, 2003: 44, 160; Bolton & Fisher, 2008c: 2; in Ponerini, *Plectroctena* genus group: Schmidt, C.A. & Shattuck, 2014: 164.

*Centromyrmex* as genus: all authors.

*Centromyrmex* as senior synonym of *Glyphopone*: Brown, 1963: 9; Bolton, 1973a: 336; Hölldobler & Wilson: 1990: 11; Bolton, 1995b: 23; Tang, J., Li, *et al.* 1995: 33; Bolton, 2003: 160; Bolton & Fisher, 2008c: 4; Schmidt, C.A. & Shattuck, 2014: 165.

*Centromyrmex* as senior synonym of *Leptopone*: Brown, 1963: 9; Bolton, 1973a: 336; Hölldobler & Wilson: 1990: 11; Bolton, 1995b: 23; Tang, J., Li, *et al.* 1995: 33; Bolton, 2003: 161; Bolton & Fisher, 2008c: 4; Schmidt, C.A. & Shattuck, 2014: 165.

*Centromyrmex* as senior synonym of *Spalacomyrmex*: Emery, 1890b: 40 (footnote); Dalla Torre, 1893: 15; Forel, 1900d: 303; Bingham, 1903: 93; Emery, 1911d: 57; Donisthorpe, 1943g: 727; Bolton, 1973a: 335; Hölldobler & Wilson: 1990: 11; Bolton, 1995b: 23; Tang, J., Li, *et al.* 1995: 33; Bolton, 2003: 160; Bolton & Fisher, 2008c: 4; Schmidt, C.A. & Shattuck, 2014: 164.

*Centromyrmex* as senior synonym of *Typhloteras*: Brown, 1953c: 8; Bolton, 1973a: 335; Hölldobler & Wilson: 1990: 11; Bolton, 1995b: 23; Tang, J., Li, *et al.* 1995: 33; Bolton, 2003: 161; Bolton & Fisher, 2008c: 4; Schmidt, C.A. & Shattuck, 2014: 165.

***Centromyrmex* catalogues:** Dalla Torre, 1893: 15; Emery, 1911d: 57; Wheeler, W.M. 1922a: 762, 766, 766 (Afrotropical *Centromyrmex*, *Glyphopone*, *Leptopone*); Chapman & Capco, 1951: 52, 76 (Asia *Centromyrmex*, *Typhloteras*); Kempf, 1972a: 75 (Neotropical); Bolton, 1995b: 139; Schmidt, C.A. & Shattuck, 2014: 167 (species checklist); Fisher & Bolton, 2016: 244 (Afrotropical checklist).

***Centromyrmex* references:** Bingham, 1903: 94 (diagnosis); Emery, 1911d: 57 (diagnosis); Arnold, 1915: 38 (diagnosis); Brown, 1963: 9 (review of genus); Kempf, 1967b: 404 (**Neotropical species revision, key**); Bolton, 1994: 164 (synoptic classification); Bolton, 1995a: 1048 (census); Bolton, 2003: 160 (synopsis); Fernández, 2008: 138 (**Neotropical species key**); Bolton & Fisher, 2008c: 4, 8 (diagnosis, **Afrotropical species revision, key**); Eguchi, *et al.* 2014: 29 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 165 (diagnosis, synopsis); Baccaro, *et al.* 2015: 316 (genus in Brazil); Fisher & Bolton, 2016: 242 (diagnosis); Fernández & Guerrero, 2019: 517 (Colombia species key).

**CEPHALOMORIUM** [junior synonym of *Pheidole*]

***Cephalomorium*** Forel, 1922: 91 [as subgenus of *Tetramorium*]. Type-species: *Tetramorium* (*Cephalomorium*) *bahai* Forel, 1922: 91, by monotypy.

#### **Taxonomic history**

*Cephalomorium* as subgenus of *Tetramorium*: Donisthorpe, 1943f: 631.

*Cephalomorium* as junior synonym of *Hendecapheidole*: Santschi, 1925d: 228.

*Cephalomorium* as junior synonym of *Pheidole*: Smith, D.R. 1979: 1366; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 90; Bolton, 1995b: 23; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235; Wilson, 2003: 6.

**CEPHALOMYRMA** [junior synonym of *Myrmhopla*]

***Cephalomyrma*** Karavaiev, 1935a: 115 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis* (*Cephalomyrma*) *stylifera* Karavaiev, 1935a: 115, by monotypy.

#### **Taxonomic history**

*Cephalomyrma* as junior synonym of *Myrmhopla*: Hung, 1967b: 402; Dorow, 1995: 45; Bolton, 1995b: 23; Bolton, 2003: 124.

\***CEPHALOMYRMEX** [*incertae sedis* in Myrmicinae]

\****Cephalomyrmex*** Carpenter, 1930: 37. Type-species: \**Cephalomyrmex rotundatus* Carpenter, 1930: 37, by original designation.

#### **Taxonomic history**

\**Cephalomyrmex incertae sedis* in Myrmicinae: Carpenter, 1930: 37; Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106; Bolton, 1995b: 23; Bolton, 2003: 73, 258; Ward, *et al.* 2015: 77.

\**Cephalomyrmex* as genus: all authors.

\***CEPHALOPONE** [Ponerinae: Ponerini]

\****Cephalopone*** Dlussky & Wedmann, 2012: 741. Type-species: \**Cephalopone potens* Dlussky & Wedmann, 2012: 741, by original designation.

#### **Taxonomic history**

\**Cephalopone* in Ponerinae, Ponerini: Dlussky & Wedmann, 2012: 741.

**CEPHALOTES** [Myrmicinae: Attini]

***Cephalotes*** Latreille, 1802a: 357. Type-species: *Formica atrata* Linnaeus, 1758: 581, by monotypy.

#### **Taxonomic history**

[Type-species not *Formica cephalotes* Linnaeus, 1758: 581, unjustified subsequent designation by Wheeler, W.M. 1911f: 160; corrected by Wheeler, W.M. 1913a: 78, Emery, 1914c: 38, Emery, 1924d: 303.]

*Cephalotes* in Formicariae: Latreille, 1802a: 357.

*Cephalotes* in Myrmicinae, Cryptocerini: Emery, 1914a: 42; Forel, 1917: 246; Wheeler, W.M. 1922a: 665; Emery, 1924d: 303; Dlussky & Fedoseeva, 1988: 79.

*Cephalotes* in Myrmicinae, Cephalotini: Smith, M.R. 1949c: 19; Kempf, 1951: 105; Kempf, 1972a: 75; subsequent authors; Bolton, 1995b: 23; De Andrade & Baroni Urbani, 1999: 44.

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

*Cephalotes* as junior synonym of *Cryptocerus*: Fabricius, 1804: 419; Latreille, 1816: 496; Latreille, 1817a: 526.

[Note: Fabricius and Latreille give *Cryptocerus* as senior synonym, but *Cephalotes* has priority. Latreille, 1816: 496, himself says of *Cephalotes*, “Je l’avois d’abord consacré (Hist. gén. des insectes., tom. 3) à un genre démembré de celui de fourmi, et qu’on appelle maintenant *cryptocère*.”]

*Cephalotes* as junior synonym of *Atta*: Forel, 1893e: 587 (error); Forel, 1899c: 30 (error).

*Cephalotes* as genus: all authors except Fabricius, 1804: 419; Latreille, 1816: 496; Latreille, 1817a: 526.

*Cephalotes* as senior synonym of *Cryptocerus*: Wheeler, W.M. 1913a: 78; Donisthorpe, 1943f: 635; Donisthorpe, 1944b: 59; Smith, M.R. 1949c: 19; Kempf, 1951: 107; subsequent authors; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 23; De Andrade & Baroni Urbani, 1999: 59; Bolton, 2003: 194.

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

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

*Cephalotes* as senior synonym of *Eucryptocerus*: Hölldobler & Wilson, 1990: 13; De Andrade & Baroni Urbani, 1999: 59; Bolton, 2003: 195.

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

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

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

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

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

***Cephalotes* catalogues:** Roger, 1863b: 38 (*Cryptocerus*); Mayr, 1863: 405 (*Cryptocerus*); Dalla Torre, 1893: 140 (*Cryptocerus*); Emery, 1924d: 303, 304, 305, 306, 308, 311 (*Cephalotes*, *Zacryptocerus*, *Cryptocerus*, *C. (Paracryptocerus)*, *C. (Cryptocerus)*, *C. (Cyathocephalus)*); Smith, M.R. 1951a: 825 (North America *Paracryptocerus (Harnedia)*, *P. (Cyathomyrmex)*); Kempf, 1972a: 75, 107, 120, 175, 259 (Neotropical *Cephalotes*, *Eucryptocerus*, *Hypocryptocerus*, *Paracryptocerus*, *Zacryptocerus*); Smith, D.R. 1979: 1402 (North America *Zacryptocerus*); Brandão, 1991: 337, 343, 383 (*Cephalotes*, *Eucryptocerus*, *Zacryptocerus*); Bolton, 1995b: 140, 189, 424 (*Cephalotes*, *Eucryptocerus*, *Zacryptocerus*).

***Cephalotes* references:** Smith, F. 1853: 215 (*Cryptocerus* diagnosis); Smith, F. 1858b: 187 (*Cryptocerus* diagnosis); Mayr, 1865: 25 (*Cryptocerus* diagnosis); Emery, 1914c: 38 (diagnosis); Santschi, 1920f: 149 (*Cephalotes* species key); Wheeler, W.M. 1922a: 665 (*Cryptocerus* subgenera, key); Emery, 1924d: 303, 304, 305, 306, 306, 308, 311 (*Cephalotes*, *Zacryptocerus*, *Cryptocerus*, subgenera key, *C. (Paracryptocerus)*, *C. (Cryptocerus)*, *C. (Cyathocephalus)* diagnoses); Smith, M.R. 1947a: 29 (U.S.A. *Cryptocerus*, *C. (Cyathomyrmex)* species); Creighton,

1950a: 296 (*Cryptocerus* **Nearctic species key**); Kempf, 1951: 107 (diagnoses, **all species revisions**; *Eucryptocerus* **species key**: 127; *Zacryptocerus* **species key**: 134; *Hypocryptocerus* **species key**: 143; *Paracryptocerus* **species key**: 153); Kempf, 1952: 5 (*Paracryptocerus* (*Harnedia*) *pinellii* complex revision, key); Kempf, 1958a: 10 (Argentina *Paracryptocerus* species key); Kempf, 1958a: 64 (*Paracryptocerus* subgenera, key); Kempf, 1958a: 66 (*Paracryptocerus* (*Harnedia*) **all species revision, key**); Kempf, 1958a: 145 (*Paracryptocerus* (*Cyathomymex*) **all species revision, key**); Kempf, 1960f: 443 (addition to 1958 key); Snelling, R.R. 1968a: 9 (*C. wheeleri* complex key); Kempf, 1974a: 73 (*Paracryptocerus pinellii* group key); Hölldobler & Wilson, 1990: 13 (synoptic classification); Bolton, 1994: 105 (synoptic classification); Bolton, 1995a: 1048 (census); De Andrade & Baroni Urbani, 1999: 736 (*Cephalotes* diagnosis, **all species revision, key**); Baccaro, *et al.* 2015: 218 (genus in Brazil); Fernández & Serna, 2019: 845 (Colombia fauna); Sandoval-Gómez & Sánchez-Restrepo, 2019: 901 (Colombia species key).

**CEPHALOXYS** [junior homonym, replaced by *Smithistruma*]

*Cephaloxys* Smith, F. 1865: 76. Type-species: *Cephaloxys capitata* Smith, F. 1865: 77, by monotypy.

#### **Taxonomic history**

[Junior homonym of *Cephaloxys* Signoret, 1847: 294 (Hemiptera).]

*Cephaloxys* in Cryptoceridae: Smith, F. 1871a: 335.

*Cephaloxys* in Myrmicinae, Dacetini: Wheeler, W.M. 1922a: 668; Emery, 1924d: 323.

*Cephaloxys* as junior synonym of *Strumigenys*: Dalla Torre, 1893: 145; Forel, 1899c: 42.

*Cephaloxys* as subgenus of *Strumigenys*: Emery, 1916b: 204; Wheeler, W.M. 1922a: 668; Emery, 1924d: 323; Donisthorpe, 1943f: 631; Bernard, 1953b: 254 (error).

*Smithistruma* Brown, 1948e: 104, **replacement name** for *Cephaloxys* Smith, F.

**CEPOBROTICUS** [junior synonym of *Megalomyrmex*]

*Cepobroticus* Wheeler, W.M. 1925d: 168 [as subgenus of *Megalomyrmex*]. Type-species: *Megalomyrmex* (*Cepobroticus*) *symmetochus* Wheeler, W.M. 1925d: 168, by monotypy.

#### **Taxonomic history**

*Cepobroticus* as subgenus of *Megalomyrmex*: Donisthorpe, 1943f: 632.

*Cepobroticus* as junior synonym of *Megalomyrmex*: Ettershank, 1966: 101; Kempf, 1972a: 139; Brandão, 1990: 415; Hölldobler & Wilson, 1990: 14; Bolton, 1995b: 24; Bolton, 2003: 211.

**CERAPACHYS** [Dorylinae]

*Cerapachys* Smith, F. 1857a: 74. Type-species: *Cerapachys antennatus* Smith, F. 1857a: 74, by subsequent designation of Bingham, 1903: 28.

#### **Taxonomic history**

*Cerapachys* in Ponerinae: Smith, F. 1857a: 74 [Formicidae, Poneridae]; Dalla Torre, 1893: 17 [Ponerinae].

*Cerapachys* in Myrmicinae: Smith, F. 1861b: 47 [Myrmicidae]; Smith, F. 1871a: 329 [Myrmicidae].

*Cerapachys* in Dorylinae: Emery, 1896e: 175 [Dorylinae].

*Cerapachys* in Dorylinae, Cerapachyini: Emery, 1895j: 765; Emery, 1901a: 34; Smith, D.R. 1979: 1333.

*Cerapachys* in Ponerinae, Cerapachyini: Forel, 1893a: 162; Forel, 1900d: 331; Ashmead, 1905b: 382; Wheeler, W.M. 1910g: 137; Emery, 1911d: 8; Arnold, 1915: 11; Forel, 1917: 239; Brown, 1975: 18; Snelling, R.R. 1981: 389; Dlussky & Fedoseeva, 1988: 79; Hölldobler & Wilson, 1990: 10.

*Cerapachys* in Cerapachyinae, Cerapachyini: Wheeler, W.M. 1902d: 185; Wheeler, W.M. 1922a: 639; Donisthorpe, 1943f: 632; Chapman & Capco, 1951: 17; Kempf, 1972a: 76; Wheeler,

G.C. & Wheeler, J. 1985: 256; Bolton, 1990a: 67; Bolton, 1990c: 1357; Brandão, 1991: 337; Jaffe, 1993: 9; Bolton, 1994: 19; Bolton, 1995b: 24; Bolton, 2003: 34, 139, 268.

*Cerapachys* in Dorylinae: Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 90.

*Cerapachys* as genus: all authors.

[**ORAPACHYS**: incorrect subsequent spelling by Forel, 1893a: 162.]

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

[Note: *Ceratopachys* was treated as a junior synonym of *Cerapachys* by Wheeler, W.M. 1922a: 755, Hölldobler & Wilson, 1990: 10, Bolton, 1995b: 24, Tang, J., Li, *et al.* 1995: 25, Bolton, 2003: 141, Borowiec, M.L. 2016: 78, but is best regarded as an unjustified emendation of spelling.]

***Cerapachys* catalogues**: Mayr, 1863: 403; Roger, 1863b: 25; Dalla Torre, 1893: 17; Emery, 1911d: 8; Wheeler, W.M. 1922a: 755, 1005; Chapman & Capco, 1951: 17; Kempf, 1972a: 76 (Neotropical); Smith, D.R. 1979: 1333 (North America); Taylor & Brown, 1985: 23 (Australia); Taylor, 1987a: 16 (Australia, New Caledonia); Bolton, 1995b: 142; Borowiec, M.L. 2016: 95 (species checklist).

***Cerapachys* references**: Mayr, 1865: 15, 24 (*Syscia*, *Ooceraea* diagnoses); André, 1882c: 236 (Europe & Algeria species); Forel, 1900d: 331 (India & Sri Lanka species key); Emery, 1902c: 24 (classification); Bingham, 1903: 27, 28 (India, Sri Lanka & Burma *Lioponera*, *Cerapachys* species keys); Emery, 1911d: 8 (*Cerapachys* diagnosis); Emery, 1911d: 9 (*C. (Parasyscia)* diagnosis); Emery, 1911d: 10 (*C. (Ooceraea)* & *C. (Syscia)* diagnoses); Emery, 1911d: 10 (*Phyracaces* diagnosis); Emery, 1911d: 11 (*Lioponera* diagnosis); Arnold, 1915: 11, 12, 17 (*Cerapachys* diagnosis, South Africa species key, *Phyracaces* diagnosis); Wheeler, W.M. 1918a: 239 (Australia *Phyracaces* species key); Mann, 1921: 408 (Fiji Is species key); Wheeler, W.M. 1922a: 52, 53; 639 (*Cerapachys*, *Phyracaces* diagnoses; subgenera key); Wheeler, W.M. 1924d: 224 (*Chrysapace*, comments); Arnold, 1926: 193 (South Africa species, revised key); Donisthorpe, 1939a: 253 (*Lioponera* diagnosis); Wilson, 1959b: 44, 52, 55, 56 (Melanesia, Fiji Is, New Guinea & New Caledonia species keys); Bolton, 1973a: 340 (diagnosis); Brown, 1975: 18, 26 (diagnosis, **Afrotropical and Indo-Australia species keys**); Ogata, 1987: 129 (diagnosis, Japan); Terayama, Kubota, Sakai & Kawazoe, 1988: 35 (Taiwan species key); Morisita, *et al.* 1989: 30 (Japan species key); Bolton, 1995a: 1048 (census); Wu, J. & Wang, 1995: 47 (China species key); Collingwood & Agosti, 1996: 312 (Saudi Arabia species key); Terayama, 1996: 18 (Japan species key); Dlussky, 1997: 51 (in Baltic amber genera key); Shattuck, 1999: 60 (Australia synopsis); Mackay & Mackay, 2002: 36 (U.S.A., New Mexico species key); Borowiec, M.L. 2009: 46 (*C. sexspinus* group key); Terayama, 2009: 122 (Taiwan species key); Heterick, 2009: 126 (south-western Australia species key); Sarnat & Economo, 2012: 24 (Fiji Is species key); Bharti & Akbar, 2013a: 82 (India species key); Bharti & Wachkoo, 2013d: 1192 (India species key); Brady, *et al.* 2014: 4 (phylogeny); Eguchi, *et al.* 2014: 18 (diagnosis, Vietnam synopsis); Baccaro, *et al.* 2015: 150 (genus in Brazil); Borowiec, M.L. 2016: 90 (diagnosis).

**CERATOBASIS** [junior homonym, replaced by *Basiceros*]

***Ceratobasis*** Smith, F. 1860c: 78. Type-species: *Meranoplus singularis* Smith, F. 1858b: 195, by monotypy.

### **Taxonomic history**

[Junior homonym of *Ceratobasis* Lacordaire, 1848: 362 (Coleoptera).]

*Ceratobasis* in Formicidae, Cryptoceridae: Smith, F. 1860c: 78.

*Ceratobasis* in Myrmicidae, Cryptoceridae: Emery, 1877a: 81.

*Ceratobasis* in Myrmicinae: Mayr, 1865: 26 [Myrmicidae]; Dalla Torre, 1893: 148 [Myrmicinae].

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

*Ceratobasis* in Myrmicinae, Dacetini: Forel, 1892d: 344; Forel, 1893a: 164; Forel, 1895b: 136; Emery, 1895j: 770; Emery, 1896e: 181; Wheeler, W.M. 1910g: 141.

*Ceratobasis* as genus: Mayr, 1863: 403; Roger, 1863b: 40; Mayr, 1865: 26; Dalla Torre, 1893: 148.

***Basiceros*** Schulz, W.A. 1906: 156, **replacement name** for *Ceratobasis* Smith, F.

\***CERATOMYRMEX** [\*Haidomyrmecinae]

\**Ceratomyrmex* Perrichot, Wang & Engel, 2016: 1468. Type-species: \**Ceratomyrmex ellenbergeri* Perrichot, Wang & Engel, 2016: 1468 (and in supplemental information (not paginated) (in key)), by original designation.

**Taxonomic history**

\**Ceratomyrmex* in \*Sphecomyrminae, \*Haidomyrmecini: Perrichot, Wang & Engel, 2016: 1468; Barden, 2017: 2; Borysenko, 2017: 18.

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

\**Ceratomyrmex* as genus: all authors.

**CERATOPACHYS**: unjustified emendation of *Cerapachys*.

**CERATOPHEIDOLE** [junior synonym of *Pheidole*]

*Ceratopheidole* Pergande, 1896: 889 [as subgenus of *Pheidole*]. Type-species: *Pheidole* (*Ceratopheidole*) *granulata* Pergande, 1896: 890, by monotypy.

**Taxonomic history**

*Ceratopheidole* in Myrmicinae, Pheidolini: Emery, 1914a: 40; Forel, 1917: 241; Emery, 1922e: 112; Wheeler, W.M. 1922a: 661; subsequent authors.

*Ceratopheidole* as genus: Emery, 1914a: 40; Forel, 1917: 241; Emery, 1922e: 112; Wheeler, W.M. 1922a: 661; Chapman & Capco, 1951: 135; Wu, J. & Wang, 1995: 104.

*Ceratopheidole* as subgenus of *Pheidole*: Pergande, 1896: 889; Forel, 1899c: 77; Kempf, 1972a: 183.

*Ceratopheidole* as junior synonym of *Pheidole*: Brown, 1973b: 179 [provisional]; Smith, D.R. 1979: 1365; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 89; Bolton, 1995b: 24; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 233; Wilson, 2003: 6.

**CHALCOPONERA** [junior synonym of *Rhytidoponera*]

*Chalcoponera* Emery, 1897d: 548. Type-species: *Ponera metallica* Smith, F. 1858b: 94, by subsequent designation of Emery, 1911d: 39.

**Taxonomic history**

*Chalcoponera* in Pachycondyliinae, Ectatommini: Ashmead, 1905b: 382.

*Chalcoponera* in Ponerinae, Ectatommini: Emery, 1911d: 38; Forel, 1917: 236; Wheeler, W.M. 1922a: 643; Donisthorpe, 1943f: 632.

*Chalcoponera* as subgenus of *Rhytidoponera*: Emery, 1911d: 38; Emery, 1912a: 77; Forel, 1915b: 10; Forel, 1917: 236; Donisthorpe, 1943f: 632.

*Chalcoponera* as genus: Emery, 1897d: 548; Ashmead, 1905b: 382; Wheeler, W.M. 1922a: 643; Clark, 1934c: 58; Clark, 1941: 83; Chapman & Capco, 1951: 25.

*Chalcoponera* as junior synonym of *Rhytidoponera*: Brown, 1953c: 2; Brown, 1958g: 198; subsequent authors; Bolton, 1995b: 24; Bolton, 2003: 175.

**CHALEPOXENUS** [junior synonym of *Temnothorax*]

*Chalepoxenus* Menozzi, 1923a: 257. Type-species: *Chalepoxenus gribodoi* Menozzi, 1923a: 257 (junior synonym of *Leptothorax* (*Temnothorax*) *muellerianus* Finzi, 1922: 118), by monotypy.

[Note: name of type-species was initially misspelled *gridoboi*, p. 257; correct spelling as *gribodoi*, p. 258.]

**Taxonomic history**

*Chalepoxenus* in Myrmicinae, Leptothoracini: Donisthorpe, 1943f: 632.

*Chalepoxenus* in Myrmicinae, Formicoxenini: Bolton, 1994: 105; Bolton, 1995b: 24; Bolton, 2003: 245.

*Chalepoxenus* as junior synonym of *Leptothorax*: Brown, 1973b: 179 [provisional].

*Chalepoxenus* as genus: Kutter, 1973d: 269; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 24; Bolton, 2003: 245.

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

[Note: some authors would prefer to retain *Chalepoxenus* 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.]

**CHAMPSOMYRMEX** [junior synonym of *Odontomachus*]

**Champsomyrmex** Emery, 1892d: 558 (footnote). Type-species: *Odontomachus coquereli* Roger, 1861a: 30, by monotypy.

#### **Taxonomic history**

*Champsomyrmex* in Ponerinae: Dalla Torre, 1893: 49 [Ponerinae]; Emery, 1896e: 179 [Ponerinae].

*Champsomyrmex* in Odontomachidae: Ashmead, 1905b: 382.

*Champsomyrmex* in Ponerinae, Odontomachini: Emery, 1895j: 768; Wheeler, W.M. 1910g: 136; Emery, 1911d: 111; Forel, 1917: 238; Wheeler, W.M. 1922a: 653; Donisthorpe, 1943f: 632.

*Champsomyrmex* as subgenus of *Odontomachus*: Forel, 1893a: 163; Forel, 1917: 238.

*Champsomyrmex* as genus: Emery, 1892d: 558 (footnote); Dalla Torre, 1893: 49; Emery, 1896e: 179; Ashmead, 1905b: 382; Emery, 1911d: 111; Wheeler, W.M. 1922a: 653.

*Champsomyrmex* as junior synonym of *Odontomachus*: Brown, 1973b: 179 [provisional]; Brown, 1976a: 96; Ogata, 1987: 125; Hölldobler & Wilson, 1990: 11; Bolton, 1995b: 24; Tang, J., Li, *et al.* 1995: 30; Bolton, 2003: 165; Schmidt, C.A. & Shattuck, 2014: 114.

[**THEMPSOMYRMEX**: incorrect subsequent spelling by Forel, 1893a: 163.]

[**CHAMPOMYRMEX**: incorrect subsequent spelling by Ashmead, 1905b: 382.]

**CHAPMANELLA** [junior synonym of *Euprenolepis*]

**Chapmanella** Wheeler, W.M. 1930d: 41. Type-species: *Chapmanella negrosensis* Wheeler, W.M. 1930d: 42, by original designation.

#### **Taxonomic history**

*Chapmanella* in Formicinae, Lasiini: Wheeler, W.M. 1930d: 44.

*Chapmanella* in Formicinae, Prenolepidini: Donisthorpe, 1943f: 632; Chapman & Capco, 1951: 214.

*Chapmanella* as junior synonym of *Euprenolepis*: Brown, 1953h: 6; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 24; Bolton, 2003: 102.

**CHARIOMYRMA** [subgenus of *Polyrhachis*]

**Chariomyrma** Forel, 1915b: 107 [as subgenus of *Polyrhachis*]. Type-species: *Polyrhachis guerini* Roger, 1863a: 157, by original designation.

#### **Taxonomic history**

*Chariomyrma* as subgenus of *Polyrhachis*: Forel, 1915b: 107; Forel, 1917: 251; Wheeler, W.M. 1922a: 702; Emery, 1925b: 185; subsequent authors; Dorow, 1995: 16; Bolton, 1995b: 24; Bolton, 2003: 124; Mezger & Moreau, 2016: 374.

**Chariomyrma** references: included under *Polyrhachis*.

[Note: world list of species in *P. (Chariomyrma)*: Emery, 1925b: 185; Dorow, 1995: 16; Bolton, 1995b: 359.]

**CHARIOSTIGMACROS** [junior synonym of *Stigmacros*]

**Chariostigmacros** McAreavey, 1957: 23 [as subgenus of *Stigmacros*]. Type-species: *Stigmacros (Chariostigmacros) hirsuta* McAreavey, 1957: 23, by original designation.

#### **Taxonomic history**

*Chariostigmacros* as junior synonym of *Stigmacros*: Brown, 1973b: 179 [provisional]; Taylor & Brown, 1985: 145; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 24; Bolton, 2003: 99.

**CHELANER** [Myrmicinae: Solenopsidini]

**Chelaner** Emery, 1914f: 410 [as subgenus of *Monomorium*]. Type-species: *Monomorium (Chelaner) forcipatum* Emery, 1914f: 410, by subsequent designation of Emery, 1922e: 168.

**Taxonomic history**

*Chelaner* in Myrmicinae, Solenopsidini: Forel, 1917: 242 [subtribe Monomoriini]; Emery, 1922e: 168 [subtribe Monomoriini]; Sparks, *et al.* 2019: 232.

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

*Chelaner* in Myrmicinae, Monomoriini: Dlussky & Fedoseeva, 1988: 80.

*Chelaner* as subgenus of *Monomorium*: Emery, 1914f: 410; Emery, 1915i: 190; Forel, 1917: 242; Emery, 1922e: 168; Wheeler, W.M. 1922a: 676; Donisthorpe, 1943f: 633.

*Chelaner* as junior synonym of *Monomorium*: Bolton, 1987: 287, 300; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 104; Bolton, 1995b: 24; Tang, J., Li, *et al.* 1995: 68; Heterick, 2001: 354; Bolton, 2003: 212.

*Chelaner* as genus: Ettershank, 1966: 93; Taylor & Brown, 1985: 55; Wheeler, G.C. & Wheeler, J. 1985: 257; Dlussky & Fedoseeva, 1988: 80; Sparks, *et al.* 2019: 232.

*Chelaner* as senior synonym of *Notomyrmex*: Ettershank, 1966: 93; Sparks, *et al.* 2019: 232.

*Chelaner* as senior synonym of *Schizopelta*: Ettershank, 1966: 93; Sparks, *et al.* 2019: 232.

**Chelaner catalogues**: Ettershank, 1966: 93 (species list).

**Chelaner references**: Sparks, *et al.* 2019: 225 (phylogeny, species list).

[Note: prior to 1966 *Chelaner* references are included under *Monomorium*.]

**CHELIOMYRMEX** [Dorylinae]

**Cheliomyrmex** Mayr, 1870b: 968. Type-species: *Cheliomyrmex nortoni* Mayr, 1870b: 969 (junior synonym of *Labidus morosus* Smith, F. 1859b: 6), by monotypy.

**Taxonomic history**

*Cheliomyrmex* in Dorylinae: Forel, 1878: 365 (footnote) [Dorylidae]; Dalla Torre, 1893: 7; Emery, 1896e: 175 [Dorylinae].

*Cheliomyrmex* in Dorylinae, Dorylini: Forel, 1893a: 163.

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

*Cheliomyrmex* in Dorylinae, Ecitonini: Emery, 1895j: 765 [Ecitonii]; Emery, 1910b: 16 [Ecitini]; Wheeler, W.M. 1910g: 138; Forel, 1917: 240; Wheeler, W.M. 1922a: 635; Donisthorpe, 1943f: 633.

*Cheliomyrmex* in Dorylinae, Cheliomyrmecini: Wheeler, W.M. 1921d: 319; Borgmeier, 1955: 58; Kempf, 1972a: 76; Dlussky & Fedoseeva, 1988: 79.

*Cheliomyrmex* in Ecitoninae: Brown, 1973b: 166; Snelling, R.R. 1981: 392.

*Cheliomyrmex* in Ecitoninae, Cheliomyrmecini: Bolton, 1990c: 1357; Hölldobler & Wilson, 1990: 11; Brandão, 1991: 337; Jaffe, 1993: 13; Bolton, 1994: 39; Bolton, 1995b: 24; Bolton, 2003: 35, 143.

*Cheliomyrmex* in Dorylinae: Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 95.

*Cheliomyrmex* as genus: all authors.

**Cheliomyrmex catalogues**: Dalla Torre, 1893: 7; Emery, 1910b: 16; Kempf, 1972a: 76; Bolton, 1995b: 145; Borowiec, M.L. 2016: 101 (species checklist).

**Cheliomyrmex references**: Emery, 1910b: 16 (diagnosis); Borgmeier, 1955: 59, 62 (diagnosis, **all species revision, key**); Gotwald, 1971: 161 (phylogeny); Gotwald & Kupiec, 1975: 961 (morphology); Watkins, 1976: 6 (**all species key**); Palacio, 1999: 148 (Colombia species key); Bolton, 2003: 35, 143 (diagnosis, synopsis); Brady, *et al.* 2014: 4 (phylogeny); Baccaro, *et al.* 2015: 152 (genus in Brazil); Borowiec, M.L. 2016: 95 (diagnosis); Palacio, 2019: 588 (Colombia species key).

**CHELYSTRUMA** [junior synonym of *Strumigenys*]

**Chelystruma** Brown, 1950a: 33 [as subgenus of *Glamyromyrmex*]. Type-species: *Glamyromyrmex (Chelystruma) lilloana* Brown, 1950a: 34, by monotypy.

**Taxonomic history**

*Chelystruma* in Myrmicinae, Dacetini, Strumigeniti: Brandão, 1991: 391.

*Chelystruma* in Myrmicinae, Dacetini: Brown, 1950a: 33; Kempf, 1959d: 338; Kempf, 1972a: 77; Bolton, 1995b: 24.

*Chelystruma* as subgenus of *Glamyromyrmex*: Brown, 1953g: 16.

*Chelystruma* as genus: Kempf, 1959d: 338; Kempf, 1972a: 77; Brandão, 1991: 391; Bolton, 1995b: 24.

*Chelystruma* as junior synonym of *Glamyromyrmex*: Brown, 1973b: 179 [provisional]; Hölldobler & Wilson, 1990: 13.

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

*Chelystruma* as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 14; Baroni Urbani & De Andrade, 2007: 103.

**CHIMAERIDRIS** [Myrmicinae: Attini]

**Chimaeridris** Wilson, 1989: 63. Type-species: *Chimaeridris boltoni* Wilson, 1989: 63, by original designation.

**Taxonomic history**

*Chimaeridris* in Myrmicinae, Pheidolini: Hölldobler & Wilson, 1990: 16; Bolton, 1994: 106; Bolton, 1995b: 24; Bolton, 2003: 64, 230.

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

*Chimaeridris* as genus: all authors.

**\*CHIMAEROMYRMA** [Formicinae: Camponotini]

**\*Chimaeromyrma** Dlussky, 1988: 58. Type-species: *\*Chimaeromyrma brachycephala* Dlussky, 1988: 60, by original designation.

**Taxonomic history**

*\*Chimaeromyrma incertae sedis* in Formicinae: Dlussky, 1988: 58.

*\*Chimaeromyrma* in Formicinae, Camponotini: Dlussky & Fedoseeva, 1988: 77; Bolton, 1994: 50; Bolton, 1995b: 24; Bolton, 2003: 27, 121; Ward, Blaimer & Fisher, 2016: 345.

*\*Chimaeromyrma* as genus: all authors.

**\*Chimaeromyrma catalogue**: Bolton, 1995b: 145.

**\*CHONIDRIS** [\*Haidomyrmecinae]

**\*Chonidris** Perrichot, Wang & Barden, 2020: 17. Type-species: *\*Chonidris insolita* Perrichot, Wang & Barden, 2020: 8, by original designation.

**Taxonomic history**

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

**\*CHRONOMYRMEX** [Dolichoderinae: Leptomyrmecini]

**\*Chronomyrmex** McKellar, *et al.* 2013a: 586. Type-species: *\*Chronomyrmex medicinehatensis* McKellar, *et al.* 2013a: 588, by original designation.

**Taxonomic history**

*\*Chronomyrmex* in Dolichoderinae, Leptomyrmecini: McKellar, *et al.* 2013a: 586; Barden, 2017: 3.

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

*\*Chronomyrmex* as genus: all authors.

**CHRONOXENUS** [Dolichoderinae: Bothriomyrmecini]

**Chronoxenus** Santschi, 1919i: 202 [as subgenus of *Bothriomyrmex*]. Type-species: *Bothriomyrmex myops* Forel, 1895e: 471, by subsequent designation of Donisthorpe, 1944e: 102.

**Taxonomic history**

*Chronoxenus* in Dolichoderinae, Tapinomini: Wheeler, W.M. 1922a: 690.

*Chronoxenus* in Dolichoderinae, Iridomyrmecini, Bothriomyrmecina: Dubovikoff, 2005a: 92.

*Chronoxenus* in Dolichoderinae, Bothriomyrmecini: Ward, *et al.* 2010: 361.

*Chronoxenus* as subgenus of *Bothriomyrmex*: Santschi, 1919i: 202; Wheeler, W.M. 1922a: 690.

*Chronoxenus* as junior synonym of *Bothriomyrmex*: Brown, 1973b: 179 [provisional]; Hölldobler & Wilson, 1990: 17; Shattuck, 1992c: 54; Bolton, 1994: 26; Shattuck, 1994: 31; Bolton, 1995b: 24; Tang, J., Li, *et al.* 1995: 87; Bolton, 2003: 84.

*Chronoxenus* as genus: Dubovikoff, 2005a: 92; Ward, *et al.* 2010: 361.

**CHRYSAPACE** [Dorylinae]

**Chrysapace** Crawley, 1924: 380. Type-species: *Chrysapace jacobsoni* Crawley, 1924: 381 (junior secondary homonym in *Cerapachys*; replacement name: *Cerapachys (Chrysapace) crawleyi* Wheeler, W.M. 1924d: 225), by monotypy.

**Taxonomic history**

*Chrysapace* in Ponerinae: Crawley, 1924: 380.

*Chrysapace* in Cerapachyinae, Cerapachyini: Donisthorpe, 1943f: 633.

*Chrysapace* in Dorylinae: Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 101.

*Chrysapace* as junior synonym of *Cerapachys*: Brown, 1975: 19; Ogata, 1987: 129; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 24; Tang, J., Li, *et al.* 1995: 25; Bolton, 2003: 141.

*Chrysapace* as genus: Wheeler, W.M. 1924d: 224; Borowiec, M.L. 2016: 101.

**Chrysapace catalogues**: Borowiec, M.L. 2016: 106 (species checklist).

**Chrysapace references**: Brady, *et al.* 2014: 4 (phylogeny); Borowiec, M.L. 2016: 101 (diagnosis); Fisher & Bolton, 2016: 244 (diagnosis); Yamada, Lin & Eguchi, 2019: 469 (all species key).

**CHTHONOLASIUS** [subgenus of *Lasius*]

**Chthonolasius** Ruzsky, 1912: 630 [as subgenus of *Lasius*]. Type-species: *Formica umbrata* Nylander, 1846b: 1048, by subsequent designation of Emery, 1925b: 232.

**Taxonomic history**

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

[Note: the assumption by some authors (e.g. Emery, 1916a: 11, Wheeler, W.M. 1916k: 171 (in text), Donisthorpe, 1941f: 37, Donisthorpe, 1943f: 633), that Ruzsky nominated *Formica flava* Fabricius, 1782: 491 as type-species is incorrect. Ruzsky, 1912: 630, included those species "with the appearance of the yellow *Lasius* (*Las. flavus* D.G.) and its closely related species, and races (*Las. carniolicus*, *Las. umbratus*, *Las. myops*, *Las. mixtus*)". This is not a direct nomination of a type-species, nor is De Geer (= D.G.) the author of *flavus* (Bolton, 1995b: 24).]

[Type-species not *Formica nigra* Linnaeus, 1758: 580; incorrect interpretation by Forel, 1916: 460, corrected by Wheeler, W.M. 1916k: 171 (in text).]

*Chthonolasius* justified emendation of spelling: Ruzsky, 1914a: 59; Wheeler, W.M. 1916k: 170.

*Chthonolasius* as junior synonym of *Formicina*: Wheeler, W.M. 1916k: 172; Emery, 1916a: 11; Emery, 1916b: 241.

*Chthonolasius* as subgenus of *Acanthomyops*: Forel, 1916: 460; Donisthorpe, 1927b: 254; Donisthorpe, 1943f: 633.

*Chthonolasius* as junior synonym of *Lasius*: Brown, 1973b: 179 [provisional]; Hölldobler & Wilson, 1990: 18; Tang, J., Li, *et al.* 1995: 108.

*Chthonolasius* as subgenus of *Lasius*: Ruzsky, 1912: 630; Ruzsky, 1914a: 59; Wheeler, W.M. 1922a: 698; Emery, 1925b: 231; Wilson, 1955a: 13; subsequent authors; Bolton, 1995b: 24; Bolton, 2003: 97.

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

**Chthonolasius references:** included under *Lasius*.

**CLADAROGENYS** [junior synonym of *Strumigenys*]

**Cladarogenys** Brown, 1976b: 33. Type-species: *Cladarogenys lasia* Brown, 1976b: 34, by original designation.

**Taxonomic history**

*Cladarogenys* in Myrmicinae, Dacetini: Brown, 1976b: 33; Bolton, 1995b: 24.

*Cladarogenys* as genus: Bolton, 1983: 353; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 24.

*Cladarogenys* as junior synonym of *Pyramica*: Bolton, 1999: 1668; Bolton, 2000: 91; Bolton, 2003: 191.

*Cladarogenys* as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 14; Baroni Urbani & De Andrade, 2007: 103.

**CLADOMYRMA** [Formicinae: Lasiini]

**Cladomyrma** Wheeler, W.M. 1920: 53. Type-species: *Aphomyrma hewitti* Wheeler, W.M. 1910c: 132, by original designation.

**Taxonomic history**

*Cladomyrma* in Formicinae, Dimorphomyrmecini: Emery, 1925b: 45 [subtribe Brachymyrmecini]; Donisthorpe, 1937a: 620; Donisthorpe, 1943f: 633.

*Cladomyrma* in Formicinae, Myrmelachistini: Wheeler, W.M. 1922a: 697; Chapman & Capco, 1951: 208; Hölldobler & Wilson, 1990: 18.

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

*Cladomyrma* in Formicinae, *Lasius* genus group: Agosti, 1991: 296.

*Cladomyrma* in Formicinae, Brachymyrmecini: Wheeler, W.M. 1929a: 12; Wheeler, G.C. & Wheeler, J. 1985: 258; Bolton, 1994: 50; Bolton, 1995b: 24.

*Cladomyrma* in Formicinae, Lasiini: Bolton, 2003: 22, 96; Ward, Blaimer & Fisher, 2016: 347.

*Cladomyrma* as genus: all authors.

**Cladomyrma catalogues:** Emery, 1925b: 45; Chapman & Capco, 1951: 208 (Asia); Bolton, 1995b: 145.

**Cladomyrma references:** Emery, 1925b: 45 (diagnosis); Agosti, 1991: 293 (diagnosis, **all species revision, key**); Agosti, Moog & Maschwitz, 1999: 6 (**all species revision, key**).

**CLARKISTRUMA** [junior synonym of *Colobostruma*]

**Clarkistruma** Brown, 1948e: 124. Type-species: *Epopostruma alinodis* Forel, 1913g: 179, by original designation.

**Taxonomic history**

*Clarkistruma* in Myrmicinae, Dacetini: Brown, 1948e: 124.

*Clarkistruma* in Myrmicinae, Dacetini, Epopostrumiti: Brown, 1954b: 465; Brown & Wilson, 1959b: 281.

*Clarkistruma* as junior synonym of *Colobostruma*: Brown, 1959c: 1; Brown & Wilson, 1959b: 281; Bolton, 1983: 270; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 24; Bolton, 1999: 1679; Shattuck, 2000: 31; Bolton, 2003: 186.

**CLAVANODA** [junior synonym of *Pseudomyrma*]

**Clavanoda** Enzmann, E.V. 1944: 61 [as "branch" of *Pseudomyrma*]. Type-species: *Formica gracilis* Fabricius, 1804: 405, by original designation.

**Taxonomic history**

*Clavanoda* as junior synonym of *Pseudomyrma*: Ward, 1990: 469; Bolton, 1995b: 24; Bolton, 2003: 135.

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

\***CLAVIPETIOLA** [*incertae sedis* in Myrmicinae]

\**Clavipetiola* Hong, 2002: 564. Type-species: \**Clavipetiola asiatica* Hong, 2002: 564, by original designation.

**Taxonomic history**

\**Clavipetiola* in Myrmicinae: Hong, 2002: 564.

\**Clavipetiola incertae sedis* in Myrmicinae: Ward, *et al.* 2015: 77.

**CODIOMYRMEX** [junior synonym of *Strumigenys*]

*Codiomyrmex* Wheeler, W.M. 1916d: 326. Type-species: *Codiomyrmex thaxteri* Wheeler, W.M. 1916d: 327, by monotypy.

**Taxonomic history**

*Codiomyrmex* in Myrmicinae, Dacetini, Strumigeniti: Brown & Wilson, 1959b: 282 Brandão, 1991: 391.

*Codiomyrmex* in Myrmicinae, Dacetini: Wheeler, W.M. 1922a: 667; Emery, 1924d: 325; Donisthorpe, 1943f: 633; Brown, 1948e: 114; Bolton, 1995b: 24.

*Codiomyrmex* as subgenus of *Strumigenys*: Emery, 1924d: 325; Donisthorpe, 1943f: 633.

*Codiomyrmex* as genus: Wheeler, W.M. 1916d: 326; Brown, 1948e: 114; Brown & Wilson, 1959b: 282; Kempf, 1972a: 77; Bolton, 1973a: 343; Hölldobler & Wilson, 1990: 13; Brandão, 1991: 391; Bolton, 1995b: 24.

*Codiomyrmex* as junior synonym of *Glamyromyrmex*: Brown, 1973b: 179 [provisional].

*Codiomyrmex* as junior synonym of *Pyramica*: Bolton, 1999: 1668; Bolton, 2000: 91; Bolton, 2003: 189.

*Codiomyrmex* as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 14; Baroni Urbani & De Andrade, 2007: 101.

**CODIOXENUS** [junior synonym of *Strumigenys*]

*Codioxenus* Santschi, 1931c: 278 [as subgenus of *Epitritus*]. Type-species: *Epitritus (Codioxenus) simulans* Santschi, 1931c: 278, by monotypy.

**Taxonomic history**

*Codioxenus* in Myrmicinae, Dacetini, Strumigeniti: Brown & Wilson, 1959b: 282; Brandão, 1991: 391.

*Codioxenus* in Myrmicinae, Dacetini: Donisthorpe, 1943f: 633; Brown, 1948e: 123; Bolton, 1995b: 24.

*Codioxenus* as genus: Brown, 1948e: 123; Brown & Wilson, 1959b: 282; Kempf, 1972a: 77; Hölldobler & Wilson, 1990: 13; Brandão, 1991: 391; Bolton, 1995b: 24.

*Codioxenus* as junior synonym of *Pyramica*: Bolton, 1999: 1668; Bolton, 2000: 91; Bolton, 2003: 189.

*Codioxenus* as junior synonym of *Strumigenys*: Baroni Urbani & De Andrade, 1994: 14; Baroni Urbani & De Andrade, 2007: 101.

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

*Colobocrema* Wheeler, W.M. 1927f: 31 [as subgenus of *Crematogaster*]. Type-species: *Crematogaster (Colobocrema) cylindriceps* Wheeler, W.M. 1927f: 31, by monotypy.

**Taxonomic history**

*Colobocrema* as junior synonym of *Crematogaster*: Brown, 1973b: 179 [provisional]; Smith, D.R. 1979: 1376; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 125; Tang, J., Li, *et al.* 1995: 64.

*Colobocrema* as subgenus of *Crematogaster*: Wheeler, W.M. 1927f: 31; Bolton, 1995b: 24; Bolton, 2003: 240.

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

[Note: world list of species in former subgenus *C. (Colobocrema)*: Bolton, 1995b: 165.]

### **COLOBOPSIS** [Formicinae: Camponotini]

*Colobopsis* Mayr, 1861: 38. Type-species: *Formica truncata* Spinola, 1808: 244, by subsequent designation of Bingham, 1903: 342.

#### **Taxonomic history**

*Colobopsis* in Formicinae: Mayr, 1861: 38 [Formicidae]; Mayr, 1862: 652 (in key) [Formicidae]; Mayr, 1865: 7 [Formicidae]; Forel, 1874: 43 [Formicidae].

*Colobopsis* in Camponotinae: Forel, 1878: 368 [Camponotidae]; Emery & Forel, 1879: 449 [Camponotidae].

*Colobopsis* in Camponotinae, Camponotini: Forel, 1886f: 193; Emery, 1895j: 772; Ashmead, 1905b: 384.

*Colobopsis* in Formicinae, Camponotini: Bondroit, 1918: 65; Emery, 1925b: 144; Kempf, 1972a: 42; Hölldobler & Wilson, 1990: 19; Bolton, 1995b: 24; Ward, Blaimer & Fisher, 2016: 345.

*Colobopsis* as junior synonym of *Camponotus*: Brown, 1973b: 179 [provisional].

*Colobopsis* as subgenus of *Camponotus*: Emery, 1889b: 517; Forel, 1892j: 221 (in key); Dalla Torre, 1893: 219; Emery, 1893i: 670 (in key); Forel, 1893a: 165; Forel, 1893b: 435; Forel, 1894d: 7; Emery, 1895j: 772; Forel, 1899c: 130; Wheeler, W.M. 1904b: 139; Wheeler, W.M. 1910g: 144; Forel, 1912i: 90; Forel, 1914a: 263; Emery, 1916b: 227; Forel, 1917: 251; Emery, 1920b: 247; Arnold, 1922: 613; Wheeler, W.M. 1922a: 708; Emery, 1925b: 144; Donisthorpe, 1943f: 634; Creighton, 1950a: 390; Chapman & Capco, 1951: 222; Kempf, 1972a: 42; Smith, D.R., 1979: 1433; Bolton, 1994: 50; Bolton, 1995b: 24; Bolton, 2003: 113, 268.

*Colobopsis* as genus: Mayr, 1861: 38; Mayr, 1862: 652; Mayr, 1863: 403; Roger, 1863b: 9; Mayr, 1865: 7; Mayr, 1870b: 940; Dours, 1873: 164; Forel, 1874: 43; Forel, 1878: 368; Forel, 1879a: 125; Emery & Forel, 1879: 449; Forel, 1891b: 76; André, 1882b: 159; Bingham, 1903: 342; Forel, 1886f: 193; Ashmead, 1905b: 384; Bondroit, 1918: 66; Hölldobler & Wilson, 1990: 19; Jaffe, 1993: 14; Ward, Blaimer & Fisher, 2016: 349.

*Colobopsis* as senior synonym of *Condylomyrma*: Wheeler, W.M. 1934e: 422 (in text); Bolton, 1995b: 24; Bolton, 2003: 113.

*Colobopsis* as senior synonym of *Dolophra*: Bolton, 2003: 113, 268.

*Colobopsis* as senior synonym of *Myrmogonia*: Ward, Blaimer & Fisher, 2016: 350.

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

[Note: world list of species in *C. (Colobopsis)*: Forel, 1914a: 272; Emery, 1920b: 259; Emery, 1925b: 144; Bolton, 1995b: 131.]

***Colobopsis* catalogues**: Mayr, 1863: 403; Roger, 1863b: 9; Emery & Forel, 1879: 449; Cresson, 1887: 255; Dalla Torre, 1893: 219; Emery, 1925b: 143 (*Camponotus (Myrmogonia)*); Emery, 1925b: 144 (*Camponotus (Colobopsis)*); Chapman & Capco, 1951: 222 (in *Camponotus*); Smith, M.R. 1951a: 839 (North America, in *Camponotus*); Kempf, 1972a: 42 (Neotropical, *Camponotus (Colobopsis)*); Smith, D.R. 1979: 1433 (North America, *Camponotus (Colobopsis)*); Taylor & Brown, 1985: 109 (Australia, in *Camponotus*); Taylor, 1987a: 10, 16 (Australia, New Caledonia, New Zealand, in *Camponotus*); Bolton, 1995b: 83 (in *Camponotus*).

***Colobopsis* references**: Ward, Blaimer & Fisher, 2016: 341 (*Camponotus/Colobopsis* separation key); Mackay & Mackay, 2018: 16, 26 (diagnosis, **New World species revision**, key).

[Note: prior to 2016 *Colobopsis* references are included under *Camponotus*.]

### **COLOBOSTRUMA** [Myrmicinae: Attini]

**Colobostruma** Wheeler, W.M. 1927f: 32 [as subgenus of *Epopostruma*]. Type-species: *Epopostruma (Colobostruma) leae* Wheeler, W.M. 1927f: 32, by monotypy.

**Taxonomic history**

*Colobostruma* in Myrmicinae, Dacetini, Epopostrumiti: Brown, 1954b: 465; Brown & Wilson, 1959b: 281.

*Colobostruma* in Myrmicinae, Dacetini: Brown, 1948e: 118; Bolton, 1995b: 25; Bolton, 1999: 1679; Shattuck, 2000: 31; Bolton, 2003: 54, 186.

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

*Colobostruma* as junior synonym of *Epopostruma*: Baroni Urbani & De Andrade, 2007: 94.

*Colobostruma* as genus: all authors except Baroni Urbani & De Andrade, 2007: 94.

*Colobostruma* as senior synonym of *Alistruma*: Brown, 1959c: 1; Brown & Wilson, 1959b: 281; Bolton, 1983: 270; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 25; Bolton, 1999: 1679; Shattuck, 2000: 31; Bolton, 2003: 186.

*Colobostruma* as senior synonym of *Clarkistruma*: Brown, 1959c: 1; Brown & Wilson, 1959b: 281; Bolton, 1983: 270; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 25; Bolton, 1999: 1679; Shattuck, 2000: 31; Bolton, 2003: 186.

**Colobostruma catalogues:** Taylor & Brown, 1985: 59 (Australia); Taylor, 1987a: 22 (Australia); Bolton, 1995b: 146.

**Colobostruma references:** Shattuck, 1999: 130 (Australia synopsis); Bolton, 1999: 1678, 1679 (morphology, diagnosis, review of genus, phylogeny); Shattuck, 2000: 31 (diagnosis, **all species revision, key**); Heterick, 2009: 145 (south-western Australia species key).

**COMMATETA** [junior synonym of *Gnamptogenys*]

**Commateta** Santschi, 1929h: 476 [as subgenus of *Ectatomma*]. Type-species: *Ectatomma (Parectatomma) bruchi* Santschi, 1922d: 241, by original designation.

**Taxonomic history**

*Commateta* as junior synonym of *Gnamptogenys*: Brown, 1958g: 212; Kempf, 1972a: 111; Smith, D.R. 1979: 1337; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 25; Bolton, 2003: 175.

**CONCOCTIO** [junior synonym of *Prionopelta*]

**Concoctio** Brown, 1974d: 29. Type-species: *Concoctio concenta* Brown, 1974d: 30, by original designation.

**Taxonomic history**

*Concoctio* in Ponerinae, Amblyoponini: Brown, 1974d: 30; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 25.

*Concoctio* in Amblyoponinae: Bolton, 2003: 42, 155.

*Concoctio* as genus: Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 25, 146; Bolton, 2003: 42, 155; Fisher & Bolton, 2016: 246.

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

**CONDYLODON** [*incertae sedis* in Formicidae]

**Condylodon** Lund, 1831a: 131. Type-species: *Condylodon audouini* Lund, 1831a: 132, by monotypy.

**Taxonomic history**

[*Condylodon* also noted as new in Lund, 1831b: 103.]

*Condylodon* in family Mutillidae?: Swainson & Shuckard, 1840: 173.

*Condylodon* in Formicidae, Ponerinae?: Emery, 1921f: 28 (footnote).

*Condylodon* not Pseudomyrmecinae, dubiously Ponerinae: Ward, 1990: 471.

*Condylodon incertae sedis* in Ponerinae: Bolton, 1994: 164; Bolton, 1995b: 25.

*Condylodon* as junior synonym of *Pseudomyrma*: Dalla Torre, 1893: 55; Forel, 1899c: 86.

*Condylodon* as junior synonym of *Pseudomyrmex*: Kempf, 1972a: 214; Hölldobler & Wilson, 1990: 12.

*Condylodon* **unidentifiable taxon**, *incertae sedis* in Formicidae: Bolton, 2003: 263.

**CONDYLOMYRMA** [junior synonym of *Colobopsis*]

**Condylomyrma** Santschi, 1928c: 72 [as subgenus of *Camponotus*]. Type-species: *Camponotus (Condylomyrma) bryani* Santschi, 1928c: 72, by monotypy.

**Taxonomic history**

*Condylomyrma* as subgenus of *Camponotus*: Santschi, 1928c: 72; Donisthorpe, 1943f: 634.

*Condylomyrma* as junior synonym of *Colobopsis*: Wheeler, W.M. 1934e: 422 (in text); Bolton, 1995b: 25; Bolton, 2003: 112.

[**CAMPYLOMYRMA**: incorrect subsequent spelling by Wheeler, W.M. 1934e: 421.]

\***CONOFORMICA** [Formicinae: Formicini]

\***Conoformica** Dlussky, 2008a: 48. Type-species: \**Conoformica bitterfeldiana* Dlussky, 2008a: 49, by original designation.

**Taxonomic history**

\**Conoformica* in Formicinae, Formicini: Dlussky, 2008a: 48; Ward, Blaimer & Fisher, 2016: 346.

\**Conoformica* as genus: all authors.

**CONOMYRMA** [junior synonym of *Dorymyrmex*]

**Conomyrma** Forel, 1913b: 350 (in text) [as subgenus of *Dorymyrmex*]. Type-species: *Prenolepis pyramica* Roger, 1863a: 160, by subsequent designation of Santschi, 1922b: 365.

**Taxonomic history**

*Conomyrma* in Dolichoderinae, Tapinomini: Forel, 1917: 248; Donisthorpe, 1943f: 634; Kempf, 1972a: 78; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 338; Jaffe, 1993: 9.

*Conomyrma* as subgenus of *Dorymyrmex*: Forel, 1913b: 350; Forel, 1917: 248; Santschi, 1922b: 365; Wheeler, W.M. 1922a: 689; Gallardo, 1930: 147; Donisthorpe, 1943f: 634; Smith, M.R. 1951a: 837; Smith, M.R. 1958c: 140.

*Conomyrma* as genus: Kusnezov, 1952g: 429; Kusnezov, 1959: 51; Kusnezov, 1964: 66; Kempf, 1972a: 78; Snelling, R.R. 1973b: 1; Smith, D.R. 1979: 1419; Hölldobler & Wilson, 1990: 17; Brandão, 1991: 338; Jaffe, 1993: 9.

*Conomyrma* as junior synonym of *Dorymyrmex*: Brown, 1973b: 179 [provisional]; Shattuck, 1992c: 77; Shattuck, 1994: 73; Bolton, 1994: 26; Bolton, 1995b: 25; Bolton, 2003: 86.

**CONOTHORACOIDES** [junior synonym of *Pheidole*]

**Conothoracoides** Strand, 1935: 176.

**Taxonomic history**

[Replacement name for *Conothorax* Karavaiev; junior homonym of *Conothorax* Jekel, 1854: 9 bis (foldout pages) (Coleoptera).]

*Conothoracoides* as genus: Donisthorpe, 1943f: 634.

*Conothoracoides* as junior synonym of *Pheidole*: Brown, 1973b: 179 [provisional]; Smith, D.R. 1979: 1366; Snelling, R.R. 1981: 395; Hölldobler & Wilson, 1990: 15; Ogata, 1991b: 90; Bolton, 1995b: 25; Tang, J., Li, *et al.* 1995: 54; Bolton, 2003: 235.

**CONOTHORAX** [junior homonym, replaced by *Conothoracoides*]

**Conothorax** Karavaiev, 1935a: 75. Type-species: *Conothorax bilobum* Karavaiev, 1935a: 75, by monotypy.

**Taxonomic history**

[Junior homonym of *Conothorax* Jekel, 1854: 9 bis (foldout pages) (Coleoptera).]

*Conothorax* in Myrmicinae, Pheidolini: Karavaiev, 1935a: 75.  
*Conothorax* as genus: Chapman & Capco, 1951: 135 (error).  
*Conothoracoides* Strand, 1935: 176, **replacement name** for *Conothorax* Karavaiev.

**COPTOFORMICA** [junior synonym of *Formica*]

**Coptoformica** Müller, 1923a: 74 [as subgenus of *Formica*]. Type-species: *Formica exsecta* Nylander, 1846a: 909, by subsequent designation of Donisthorpe, 1941f: 37.

#### **Taxonomic history**

[*Coptoformica* also described as new by Müller, 1923b: 146.]

*Coptoformica* as senior synonym of *Adformica*: Stitz, 1939: 306.

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

*Coptoformica* as junior synonym of *Formica*: Smith, M.R. 1951a: 860; Smith, D.R. 1979: 1448; Agosti, 1994a: 107; Bolton, 1995b: 25; Tang, J., Li, *et al.* 1995: 103; Bolton, 2003: 128.

[Note: many authors retain *Coptoformica* as a subgenus of *Formica*; the name is often encountered in the regional literature.]

**CORYNOMYRMEX** [junior synonym of *Monomorium*]

**Corynomymex** Viehmeyer, 1916a: 133 [as subgenus of *Monomorium*]. Type-species: *Monomorium (Corynomymex) hospitum* Viehmeyer, 1916a: 133, by monotypy.

#### **Taxonomic history**

*Corynomymex* as subgenus of *Monomorium*: Viehmeyer, 1916a: 133; Forel, 1917: 242; Emery, 1922e: 174; Donisthorpe, 1943f: 634.

*Corynomymex* as junior synonym of *Monomorium*: Ettershank, 1966: 82 [provisional]; Bolton, 1973a: 352; Smith, D.R. 1979: 1381; Bolton, 1987: 287, 299; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 105; Bolton, 1995b: 25; Tang, J., Li, *et al.* 1995: 68; Bolton, 2003: 213.

**COSMAECETES** [junior synonym of *Dorylus*]

**Cosmaecetes** Spinola, 1851b: 54. Type-species: *Cosmaecetes homalinus* Spinola, 1851b: 55 (junior synonym of *Dorylus juvenculus* Shuckard, 1840c: 318), by monotypy.

#### **Taxonomic history**

[*Cosmaecetes* also described as new by Spinola, 1853: 70.]

*Cosmaecetes* as junior synonym of *Typhlopone*: Smith, F. 1858b: 110; Mayr, 1863: 403; Roger, 1863b: 20; Mayr, 1872: 151; Emery & Forel, 1879: 465; Emery, 1895j: 723; Emery, 1910b: 12; subsequent authors; Bolton, 1995b: 25; Bolton, 2003: 149.

*Cosmaecetes* as junior synonym of *Dorylus*: Dalla Torre, 1893: 9; Emery, 1893h: 1; Bolton, 1973a: 357; Hölldobler & Wilson, 1990: 11; Tang, J., Li, *et al.* 1995: 43; Borowiec, M.L. 2016: 112.

[**COSMACETES**: incorrect subsequent spelling by Roger, 1863b: 20, Emery, 1893h: 1, Emery, 1910b: 12; Wheeler, W.M. 1911f: 161, Wheeler, W.M. 1913a: 78.]

[**COSMAEGETES**: incorrect subsequent spelling by Dalla Torre, 1893: 9.]

**CRATEROPSIS** [junior synonym of *Carebara*]

**Crateropsis** Patrizi, 1948: 174 [as subgenus of *Solenopsis*]. Type-species: *Solenopsis (Crateropsis) elmenteitae* Patrizi, 1948: 176, by original designation.

#### **Taxonomic history**

*Crateropsis* as junior synonym of *Oligomyrmex*: Ettershank, 1966: 120; Bolton, 1973a: 353; Smith, D.R. 1979: 1389; Hölldobler & Wilson, 1990: 14; Ogata, 1991b: 111; Bolton, 1995b: 25; Tang, J., Li, *et al.* 1995: 74; Bolton, 2003: 215.

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

**CRATOMYRMEX** [junior synonym of *Messor*]

*Cratomyrmex* Emery, 1892d: 572. Type-species: *Cratomyrmex regalis* Emery, 1892d: 572, by monotypy.

#### **Taxonomic history**

*Cratomyrmex* in Myrmicinae, Myrmicini: Emery, 1895j: 769; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 140; Emery, 1914a: 40; Forel, 1917: 240; Emery, 1921f: 43; Wheeler, W.M. 1922a: 660; Donisthorpe, 1943f: 635.

*Cratomyrmex* as subgenus of *Messor*: Santschi, 1920d: 378.

*Cratomyrmex* as genus: Emery, 1892d: 572; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 140; Santschi, 1913c: 307; Emery, 1914a: 40; Forel, 1917: 240; Emery, 1921f: 43; Wheeler, W.M. 1922a: 660, 802; Bernard, 1971: 6; Bolton, 1973a: 349.

*Cratomyrmex* as junior synonym of *Messor*: Emery, 1924d: 357 (footnote); Donisthorpe, 1943f: 635; Bolton, 1982: 338; Hölldobler & Wilson, 1990: 14; Bolton, 1994: 106; Bolton, 1995b: 25; Tang, J., Li, *et al.* 1995: 53; Bolton, 2003: 231.

*CREIGHTONIDRIS* [junior synonym of *Basiceros*]

*Creightonidris* Brown, 1949f: 89. Type-species: *Creightonidris scambognatha* Brown, 1949f: 89, by original designation.

#### **Taxonomic history**

*Creightonidris* in Myrmicinae, Basicerotini: Brown, 1949f: 89; subsequent authors.

*Creightonidris* as genus: Kempf, 1972a: 80; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 25; Bolton, 2003: 54, 184.

*Creightonidris* as junior synonym of *Basiceros*: Fernández, 2003d: 314, 392; Feitosa, Brandão & Dietz, 2007: 17.

**CREMATOGASTER** [Myrmicinae: Crematogastrini]

*Crematogaster* Lund, 1831a: 132. Type-species: *Formica scutellaris* Olivier, 1792: 497, by subsequent designation of Bingham, 1903: 124.

#### **Taxonomic history**

[*Crematogaster* also noted as new in Lund, 1831b: 104.]

[Type-species not *Formica acuta* Fabricius, 1804: 411, unjustified subsequent designation by Emery, 1912d: 272; this error repeated in, for example, Emery, 1914c: 39, Emery, 1919b: 61, Arnold, 1920a: 482, Emery, 1922e: 128, Gallardo, 1934: 4, Soulié, 1965: 78; Arakelian, 1994: 43.]  
[Note: discussion of type designation: Wheeler, W.M. 1913a: 78, Donisthorpe, 1941f: 36.]

*Crematogaster* in Poneridae, Myrmicidae: Smith, F. 1858b: 134.

*Crematogaster* in Myrmicidae: Smith, F. 1971a: 329; Cresson, 1887: 262.

*Crematogaster* in Myrmicinae: Mayr, 1855: 468 [Myrmicidae]; Smith, F. 1857a: 75 [Myrmicidae]; Mayr, 1861: 74 [Myrmicidae]; Mayr, 1865: 22 [Myrmicidae]; Dours, 1873: 169 [Myrmicidae]; Forel, 1874: 68 [Myrmicidae]; Emery & Forel, 1879: 464 [Myrmicidae]; Dalla Torre, 1893: 79 [Myrmicinae].

*Crematogaster* in Myrmicinae, Pheidolini: Emery, 1877a: 81 [Myrmicidae, Pheidolidae].

*Crematogaster* in Myrmicinae, Crematogastrini: Forel, 1893a: 164; Forel, 1895b: 130; Emery, 1895j: 769; Emery, 1896e: 180; Forel, 1899c: 81; Ashmead, 1905b: 383; Wheeler, W.M. 1910g: 140; Emery, 1914a: 41; Emery, 1916b: 156; Forel, 1917: 242; Arnold, 1920a: 482; Emery, 1922e: 127; Wheeler, W.M. 1922a: 661; subsequent authors; Bolton, 1995b: 25; Bolton, 2003: 66, 238; Ward, *et al.* 2015: 77; in Crematogastrini, *Crematogaster* genus group: Blaimer, *et al.* 2018: 7.

*Crematogaster* as genus: all authors.

*Crematogaster* as senior synonym of *Acrocoelia*: Smith, F. 1858b: 135; Mayr, 1863: 404; Roger, 1863b: 36; Mayr, 1872: 153; Dours, 1873: 169; Emery & Forel, 1879: 464; Forel, 1891b: 179; Dalla Torre, 1893: 79; Forel, 1899c: 81; Wheeler, W.M. 1911f: 158; Wheeler, W.M.

1922a: 828; Buren, 1959: 126; Kempf, 1972a: 81; Bolton, 1973a: 342; Brown, 1973b: 178; Smith, D.R. 1979: 1376; Hölldobler & Wilson, 1990: 13; Ogata, 1991b: 124; Bolton, 1995b: 19; Tang, J., Li, *et al.* 1995: 64; Bolton, 2003: 238; Blaimer, 2012c: 52.

*C. (Crematogaster)* as senior synonym of *Atopogyne*: Blaimer, 2012c: 52.

*C. (Crematogaster)* as senior synonym of *Colobocrema*: Blaimer, 2012c: 52.

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

*C. (Crematogaster)* as senior synonym of *Nematocrema*: Blaimer, 2012c: 52.

*C. (Crematogaster)* as senior synonym of *Oxygyne*: Blaimer, 2012c: 52.

*C. (Crematogaster)* as senior synonym of *Paracrema*: Blaimer, 2012c: 52.

*C. (Crematogaster)* as senior synonym of *Physocrema*: Blaimer, 2012c: 52.

*C. (Crematogaster)* as senior synonym of *Sphaerocrema*: Blaimer, 2012c: 52.

*C. (Crematogaster)* as senior synonym of *Xiphocrema*: Blaimer, 2012c: 52.

[**CREMASTOGASTER**: incorrect subsequent spelling by Mayr, 1861: 74, Mayr, 1863: 403, Roger, 1863b: 36, and many later authors.]

[Note (i): throughout this catalogue the original spelling *Crematogaster* is used, the incorrect subsequent spelling *Cremastogaster* is ignored. Discussions of spelling: Emery, 1912d: 272 (footnote), Wheeler, W.M. 1913a: 78, Donisthorpe, 1941f: 36, Buren, 1959: 125. The incorrect spelling is extremely common earlier, but persists as late as Baroni Urbani, 1974: 233, Schembri & Collingwood, 1981: 430, Le Moli & Rosi, 1991: 30.]

[Note (ii): all subgenera were given as provisional junior synonyms of *Crematogaster* by Brown, 1973b: 179-185. The list was repeated by Hölldobler & Wilson, 1990: 13, with all subgenera listed as junior synonyms. They reverted to subgeneric status in Bolton, 1994: 50, Bolton, 1995b: 25. Subsequent modifications and revisions are recorded in Blaimer, 2012c: 52.]

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

Subgenera of *Crematogaster*: nominal plus ***Orthocrema***.

***Crematogaster* catalogues**: Roger, 1863b: 36; Mayr, 1863: 403; Emery & Forel, 1879: 464 (Europe); Cresson, 1887: 262 (U.S.A.); Dalla Torre, 1893: 79; Emery, 1922e: 130, 137, 137, 138, 139, 140, 152, 153, 155, 156, 157 (*C. (Orthocrema)*, *C. (Crematogaster)*, *C. (Decacrema)*, *C. (Xiphocrema)*, *C. (Physocrema)*, (*C. (Acrocoelia)*, (*C. (Sphaerocrema)*, *C. (Atopogyne)*, *C. (Paracrema)*, *C. (Oxygyne)*, *C. (Nematocrema)*); Wheeler, W.M. 1922a: 828, 1022 (Afrotropical, Malagasy); Chapman & Capco, 1951: 86 (Asia); Smith, M.R. 1951a: 807 (North America); Kempf, 1972a: 81 (Neotropical); Smith, D.R. 1979: 1376 (North America); Taylor & Brown, 1985: 60 (Australia); Taylor, 1987a: 22 (Australia); Brandão, 1991: 338 (Neotropical); Bolton, 1995b: 146; Fisher & Bolton, 2016: 250 (Afrotropical, Malagasy checklist).

***Crematogaster* references**: Mayr, 1855: 468 (diagnosis); Smith, F. 1858b: 135 (diagnosis); Mayr, 1861: 74 (diagnosis, Europe species key); Mayr, 1865: 22 (diagnosis); Mayr, 1867a: 103 (diagnosis); Mayr, 1870b: 989 (New World species key); Mayr, 1876: 107 (Australia species key); Mayr, 1879: 680 (Asia species key); André, 1883b: 391 (Europe & Algeria species key); Nasonov, 1889: 76 (Russia species key); Forel, 1892k: 528 (Madagascar *emmae* species group key); Mayr, 1895: 135 (Africa species key); Forel, 1903a: 679 (India & Sri Lanka species key); Bingham, 1903: 124 (diagnosis, India, Sri Lanka & Burma species key); Ruzsky, 1905b: 486 (Russian Empire species key); Wheeler, W.M. 1910g: 140 (diagnosis); Emery, 1912e: 651 (Palearctic species key); Santschi, 1913a: 411 (*C. tricolor* group, key); Emery, 1914a: 37 (tribe diagnosis (in key)); Emery, 1916b: 156 (Italy species key); Bondroit, 1918: 112 (France & Belgium species key); Santschi, 1918d: 183 (subgenera key); Mann, 1919: 323 (Solomon Is species key); Arnold, 1920a: 482, 486 (diagnosis, South Africa species key); Emery, 1922e: 127 (*Crematogaster* diagnosis, subgenera key); Emery, 1922e: 130, 137, 137, 138, 139, 140, 152, 153, 155, 156, 157 (*C. (Orthocrema)*, *C. (Crematogaster)*, *C. (Decacrema)*, *C. (Xiphocrema)*, *C. (Physocrema)*, (*C. (Acrocoelia)*, (*C. (Sphaerocrema)*, *C. (Atopogyne)*, *C. (Paracrema)*, *C. (Oxygyne)*, *C. (Nematocrema)* diagnoses); Wheeler, W.M. 1922a: 150, 661 (diagnosis, subgenera key); Menozzi, 1930b: 106 (Somalia species key); Santschi, 1930c: 263 (Japan species key); Menozzi, 1933b: 61 (Israel species key); Gallardo, 1934: 4, 54 (Argentina *C. (Orthocrema)*, *C. (Neocrema)* species keys); Menozzi, 1935a: 112 (Malayo-Papuan *C. (Orthocrema)* species key); Finzi, 1936: 175 (Egypt species key); Santschi,

1937e: 311 (Palaeartic species key); Menozzi, 1939a: 300 (Himalaya & Tibet species key); Donisthorpe, 1941: 226 (*C. (Physocrema)* species key); Cole, 1942: 363 (U.S.A., Utah species key); Buren, 1944a: 288 (U.S.A., Iowa species key); Creighton, 1945: 114 (*C. (Rhachiocrema)* species key); Enzmann, J. 1946c: 94 (U.S.A., *C. (Acrocoelia)* species key); Creighton, 1950a: 203 (**Nearctic species key**); Fromantin & Soulié, 1961: 92 (subgenera key); Gregg, 1963: 356 (U.S.A., Colorado species key); Soulié, 1965: 77 (genera key); Bernard, 1967: 159 (diagnosis, Western Europe species key); Buren, 1968b: 91 (U.S.A. species key); Delage-Darchen, 1973: 221 (venation); Alayo, 1974: 13 (Cuba species key); Tarbinsky, 1976: 75 (Kyrghyzstan species key); Wheeler, G.C. & Wheeler, J. 1976b: 54 (larvae, review & synthesis); Wheeler, G.C. & Wheeler, J. 1986g: 47 (U.S.A., Nevada species key); Agosti & Collingwood, 1987b: 272 (Balkans species key); Arnol'di & Dlussky, 1978: 538 (former European U.S.S.R. species key); Collingwood, 1978: 81 (Iberian Peninsula species key); Allred, 1982: 439 (U.S.A., Utah species key); Collingwood, 1985: 259 (Saudi Arabia species key); Johnson, 1988: 330 (Eastern U.S.A. species key); Dlussky, *et al.* 1990: 242 (Turkmenistan species key); Kupyanskaya, 1990: 128 (Far Eastern Russia species key); Brandão, 1991: 338 (Neotropical catalogue); Ogata, 1991b: 124 (diagnosis, Japan); Morisita, *et al.* 1992: 59 (Japan species key); Atanasov & Dlussky, 1992: 181 (Bulgaria species key); Arakelian, 1994: 43 (Armenia species key); Kupyanskaya, 1995: 346 (Far Eastern Russia species key); Bolton, 1995a: 1049 (census); Wu, J. & Wang, 1995: 62 (China species key); Collingwood & Agosti, 1996: 328 (Saudi Arabia species key); Seifert, 1996b: 115 (Central Europe species key); Onoyama, 1998: 228 (Japan species key); Collingwood & Prince, 1998: 15 (Portugal species key); Shattuck, 1999: 132 (Australia synopsis); Zhou, 2001b: 73 (China, Guangxi species key); Mackay & Mackay, 2002: 71 (U.S.A., New Mexico species key); Longino, 2003a: 25 (Costa Rica species key); Bolton, 2003: 66, 237 (diagnosis, synopsis); Radchenko, 2005b: 192 (North Korea species key); Cagniant, 2005: 8 (Morocco species key); Seifert, 2007: 115 (North and Central Europe species key); Hosoishi & Ogata, 2009: 17 (*C. (Physocrema)* **all species revision, key**); Terayama, 2009: 177 (Taiwan species key); Heterick, 2009: 146 (south-western Australia species key); Blaimer, 2010: 7, 14 (Madagascar subgenera and *C. (Decacrema)* species keys); Eguchi, *et al.* 2011: 14 (diagnosis, Vietnam synopsis); Karaman, M.G. 2011: 14 (Southern Europe species key); Blaimer, 2012a: 249 (Madagascar *C. (Oxygyne)* species key); Blaimer, 2012b: 34 (Madagascar *C. (Orthocrema)* species key); Hosoishi & Ogata, 2012: 20 (*C. brevis* complex key); Blaimer, 2012c: 52 (revision of subgenera); Blaimer, 2012d: 421 (phylogeny); Blaimer & Fisher, 2013a: 8 (*C. kelleri* group key); Blaimer & Fisher, 2013b: 11 (Malagasy subgenera and species group key; *C. degeeri* complex key); Hosoishi, 2015: 68 (*C. ranavalonae* group, Asia species key); Salata & Borowiec, 2015: 75 (north-east Mediterranean species key); Baccaro, *et al.* 2015: 274 (genus in Brazil); Hosoishi & Ogata, 2016: 567 (Asian *C. (Orthocrema)* species key); Feldhaar, *et al.* 2016: 656 (*C. borneensis* group key); Fisher & Bolton, 2016: 249 (diagnosis); Fernández & Serna, 2019: 822 (Colombia); Pedraza & Fernández, 2019: 891 (Colombia species key); Sharaf, Aldawood & Hita Garcia, 2019: 31 (Arabia species key).

\***CRETACOFORMICA** [*incertae sedis* in Apocrita]

\**Cretacoformica* Jell & Duncan, 1986: 190. Type-species: \**Cretacoformica explicata* Jell & Duncan, 1986: 191, by original designation.

#### **Taxonomic history**

\**Cretacoformica incertae sedis* in Formicidae: Jell & Duncan, 1986: 190.

\**Cretacoformica* dubiously Formicidae: Bolton, 1995b: 25.

\**Cretacoformica* **excluded from Formicidae**: Naumann, 1993: 355.

\**Cretacoformica* **excluded from Formicidae**, *incertae sedis* in Hymenoptera, Apocrita: Grimaldi, *et al.* 1997: 7; Bolton, 2003: 264.

\***CRETOMYRMA** [\*Sphecomyrminae: \*Sphecomyrmini]

\**Cretomyrma* Dlussky, 1975: 115. Type-species: \**Cretomyrma arnoldii* Dlussky, 1975: 116, by original designation.

#### **Taxonomic history**

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

\**Cretomyrma* in \*Sphecomyrminae: Dlussky, 1975: 115; Wilson, 1987: 49; Hölldobler & Wilson, 1990: 9; Bolton, 1994: 187; Bolton, 1995b: 25; Grimaldi, *et al.* 1997: 7.

\**Cretomyrma* in \*Sphecomyrminae, \*Sphecomyrmini: Bolton, 2003: 74, 261; Borysenko, 2017: 15.

\**Cretomyrma* as genus: all authors.

\**Cretomyrma* catalogues: Bolton, 1995b: 166.

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

\***CRETOPONE** [*incertae sedis* in Aculeata]

\**Cretopone* Dlussky, 1975: 119. Type-species: \**Cretopone magna* Dlussky, 1975: 119, by original designation.

#### **Taxonomic history**

\**Cretopone* in Ponerinae: Dlussky, 1975: 119.

\**Cretopone incertae sedis* in \*Sphecomyrminae: Wilson, 1987: 49.

\**Cretopone incertae sedis* in \*Armaniinae: Dlussky & Fedoseeva, 1988: 77 [\*Armaniidae]; Bolton, 1994: 187; Bolton, 1995b: 25.

\**Cretopone incertae sedis* in Formicidae: Bolton, 2003: 49, 180; Barden, 2017: 2.

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

\**Cretopone* as genus: Dlussky, 1975: 119; Wilson, 1987: 49; Dlussky & Fedoseeva, 1988: 77; Bolton, 1994: 187; Bolton, 1995b: 25; Grimaldi, *et al.* 1997: 7; Bolton, 2003: 180; Barden, 2017: 2; Borysenko, 2017: 20.

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

**CROESOMYRMEX** [junior synonym of *Temnothorax*]

*Croesomyrmex* Mann, 1920: 408 [as subgenus of *Macromischa*]. Type-species: *Macromischa (Croesomyrmex) wheeleri* Mann, 1920: 422, by original designation.

#### **Taxonomic history**

*Croesomyrmex* as subgenus of *Macromischa*: Wheeler, W.M. 1922a: 677; Donisthorpe, 1943f: 635.

*Croesomyrmex* as genus: Wheeler, W.M. 1931b: 4 (in text), 32.

*Croesomyrmex* as junior synonym of *Macromischa*: Smith, M.R. 1937: 849; Smith, M.R. 1939e: 502; Kempf, 1972a: 135; Baroni Urbani, 1978b: 398; Smith, D.R. 1979: 1390; Hölldobler & Wilson, 1990: 14; Bolton, 1994: 105.

*Croesomyrmex* as junior synonym of *Lepto thorax*: Brandão, 1991: 350; Bolton, 1995b: 25.

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

**CRYPTOCEPHALUS**: incorrect subsequent spelling of *Cryptocerus*.

**CRYPTOCERUS** [junior synonym of *Cephalotes*]

*Cryptocerus* Latreille, 1803: 311. Type-species: *Formica atrata* Linnaeus, 1758: 581, by subsequent designation of Latreille, 1810: 437.

#### **Taxonomic history**

[Type-species not *Cryptocerus umbraculatus* Fabricius, 1804: 420, unjustified subsequent designation by Emery, 1914c: 38; repeated by Emery, 1915i: 192, Emery, 1924d: 305.]

*Cryptocerus* in Formicaires: Latreille, 1803: 311.

*Cryptocerus* in Formicariae: Latreille, 1804: 179; Latreille, 1809: 132; Latreille, 1810: 312.  
*Cryptocerus* in Formicarides: Leach, 1815: 147.  
*Cryptocerus* in Myrmicites: Lepeletier de Saint-Fargeau, 1835: 170.  
*Cryptocerus* in Myrmicidae, Cryptoceridae: Smith, F. 1853: 214; Emery, 1877a: 81.  
*Cryptocerus* in Formicidae, Cryptoceridae: Smith, F. 1858b: 187; Smith, F. 1862d: 408; Smith, F. 1876d: 605.  
*Cryptocerus* in Cryptoceridae, Cryptocerinae: Ashmead, 1905b: 384.  
*Cryptocerus* in Myrmicinae: Mayr, 1862: 757 [Myrmicidae]; Mayr, 1865: 25 [Myrmicidae]; Mayr, 1866b: 907 [Myrmicidae]; Dalla Torre, 1893: 140 [Myrmicinae].  
*Cryptocerus* in Myrmicinae, Cryptocerini: Forel, 1892d: 345; Forel, 1893a: 164; Forel, 1895b: 133; Emery, 1895j: 771; Emery, 1896e: 180; Forel, 1899c: 48; Wheeler, W.M. 1910g: 141; Emery, 1914a: 42; Forel, 1917: 246; Wheeler, W.M. 1922a: 665; Emery, 1924d: 305; Wheeler, G.C. & Wheeler, J. 1976b: 59.  
*Cryptocerus* as genus: Fabricius, 1804: 420; Latreille, 1804: 179; Leach, 1815: 147; Latreille, 1817a: 526; Lepeletier de Saint-Fargeau, 1835: 170; Smith, F. 1853: 214; Smith, F. 1858b: 187; Mayr, 1862: 757; Smith, F. 1862d: 408; Mayr, 1863: 405; Roger, 1863b: 38; Mayr, 1865: 25; ; Mayr, 1866b: 907; Smith, F. 1876d: 605; Emery, 1877a: 81; Forel, 1892d: 345; Dalla Torre, 1893: 140; Forel, 1893a: 164; Emery, 1895j: 771; Forel, 1895b: 133; Emery, 1896e: 180; Forel, 1899c: 48; Ashmead, 1905b: 384; Wheeler, W.M. 1910g: 141; Wheeler, W.M. 1913a: 78; Emery, 1914a: 42; Emery, 1914c: 39; Forel, 1917: 246; Wheeler, W.M. 1922a: 665; Emery, 1924d: 305; Wheeler, G.C. & Wheeler, J. 1976b: 59.  
*Cryptocerus* as junior synonym of *Cephalotes*: Wheeler, W.M. 1913a: 78; Donisthorpe, 1943f: 635; Donisthorpe, 1944b: 59; Smith, M.R. 1949c: 19; Kempf, 1951: 105; subsequent authors; Hölldobler & Wilson, 1990: 13; Bolton, 1995b: 25; De Andrade & Baroni Urbani, 1999: 59; Bolton, 2003: 194.

[Note: it is not known why Latreille changed the name of the genus from *Cephalotes* to *Cryptocerus*, when there was no reason for him to do so. Latreille, 1816: 496, mentions the change, and Latreille, 1817a: 526, merely comments, “J’avois désigné ce genre dans le troisième volume de mon Histoire générale des Insectes, sous le nom de *céphalote* (*Cephalotes* Latreille, 1802a: 357) que j’ai ensuite changé en celui de *cryptocère*” (*Cryptocerus* Latreille, 1803: 311). *Cephalotes* and *Cryptocerus* therefore share the same type-species, and synonymy is absolute.]

[**CRYPTOCEPHALUS**: incorrect subsequent spelling of *Cryptocerus* by Lowne, 1865b: 336, in the combination *Cryptocephalus pubescens*; current combination is *Meranoplus pubescens* (Smith, F. 1853: 223) (Bolton, 1981a: 47).]

### **CRYPTOMYRMEX** [Myrmicinae: Solenopsidini]

*Cryptomyrmex* Fernández, 2004b: 328. Type-species: *Adelomyrmex longinodus* Fernández & Brandão, in Fernández, 2003b: 20, by original designation.

#### **Taxonomic history**

*Cryptomyrmex* in Myrmicinae, Adelomyrmecini: Fernández, 2004b: 326.

*Cryptomyrmex* in Myrmicinae, Solenopsidini: Ward, *et al.* 2015: 77.

*Cryptomyrmex* as genus: all authors.

***Cryptomyrmex* references:** Baccaro, *et al.* 2015: 288 (genus in Brazil).

### **CRYPTOPONE** [Ponerinae: Ponerini]

*Cryptopone* Emery, 1893a: cclxxv. Type-species: *Cryptopone testacea* Emery, 1893a: cclxxv, by monotypy.

#### **Taxonomic history**

[*Cryptopone* also described as new by Emery, 1893f: 240.]

[Type-species not *Amblyopone? testacea* Motschoulsky, 1863: 15, unjustified subsequent designation by Emery, 1911d: 88; repeated by Wheeler, W.M. 1911f: 161, Wheeler, W.M. 1922a: 780, Donisthorpe, 1943f: 636, Kempf, 1972a: 90, Taylor & Brown, 1985: 28.]

[Note: it is apparent that *testacea* Motschoulsky (based on a queen) and *testacea* Emery (based on workers) are not congeneric. Wilson, 1958d: 360, stated that *Amblyopone? testacea* Motschoulsky is, “almost certainly not the species described by Emery as *Cryptopone testacea*....it is proposed that *Amblyopone testacea* Motschoulsky be left for the time being as a *nomen dubium*, and Emery’s 1893 description be accepted as the original one for *Cryptopone testacea*”.]

*Cryptopone* in Ponerinae: Emery, 1896e: 179 [Ponerinae].

*Cryptopone* in Ponerinae, Ponerini: Emery, 1895j: 767; Ashmead, 1905b: 382; Wheeler, W.M. 1910g: 135; Emery, 1911d: 88 [subtribe Ponerini]; Forel, 1917: 238 [subtribe Ponerini]; Wheeler, W.M. 1922a: 650; subsequent authors; Bolton, 1995b: 25; Bolton, 2003: 44, 161; in Ponerini, *Ponera* genus group: Schmidt, C.A. & Shattuck, 2014: 182.

*Cryptopone* as junior synonym of *Pachycondyla*: Mackay & Mackay, 2010: 3.

*Cryptopone* as genus: all authors except Mackay & Mackay, 2010: 3.

*Cryptopone* as senior synonym of *Wadeura*: Schmidt, C.A. & Shattuck, 2014: 182.

***Cryptopone* catalogues:** Emery, 1901a: 45 (species list); Emery, 1911d: 88; Wheeler, W.M. 1922a: 780 (Afrotropical); Chapman & Capco, 1951: 52 (Asia); Kempf, 1972a: 90, 257 (Neotropical *Cryptopone*, *Wadeura*); Smith, D.R. 1979: 1341 (North America); Taylor & Brown, 1985: 28 (Australia); Taylor, 1987a: 23 (Australia, New Caledonia); Bolton, 1995b: 166; Schmidt, C.A. & Shattuck, 2014: 185 (species checklist); Fisher & Bolton, 2016: 256 (Afrotropical checklist).

***Cryptopone* references:** Emery, 1911d: 88 (diagnosis); Wheeler, W.M. 1933g: 5 (all species key); Wilson, 1958d: 357 (Melanesia species keys); Brown, 1963: 6 (review of genus); Ogata, 1987: 118 (diagnosis, Japan); Morisita, *et al.* 1989: 21 (Japan species key); Collingwood & Agosti, 1996: 310 (Saudi Arabia species key); Shattuck, 1999: 182 (Australia fauna synopsis); Zhou, 2001b: 35 (China, Guangxi species keys); Bolton, 2003: 161 (synopsis); Terayama, 2009: 108 (Taiwan species key); Eguchi, *et al.* 2014: 30 (diagnosis, Vietnam synopsis); Schmidt, C.A. & Shattuck, 2014: 182 (diagnosis, synopsis); Baccaro, *et al.* 2015: 318 (genus in Brazil); Fisher & Bolton, 2016: 255 (diagnosis); Fernandes & Delabie, 2019: 411 (New World species key).

**\*CTENOBETHYLUS** [Dolichoderinae: Tapinomini]

\**Ctenobethylus* Brues, 1939: 261 [as member of family Bethyridae]. Type-species: \**Ctenobethylus succinalis* Brues, 1939: 262 (junior synonym of \**Hypoclinea goepperti* Mayr, 1868b: 56), by original designation.

#### **Taxonomic history**

\**Ctenobethylus* in Bethyridae: Brues, 1939: 261.

\**Ctenobethylus* in Formicidae: Brown, 1977: 213; Hölldobler & Wilson, 1990: 17.

\**Ctenobethylus* in Dolichoderinae, Dolichoderini: Bolton, 2003: 19, 84.

\**Ctenobethylus* in Dolichoderinae, Iridomyrmecini, Bothriomyrmecina: Dubovikoff, 2005a: 93.

\**Ctenobethylus* in Dolichoderinae, Tapinomini: Ward, *et al.* 2010: 361.

\**Ctenobethylus* as junior synonym of *Iridomyrmex*: Brown, 1977: 213; Hölldobler & Wilson, 1990: 17; Tang, J., Li, *et al.* 1995: 89.

\**Ctenobethylus* as junior synonym of *Liometopum*: Shattuck, 1992c: 121; Shattuck, 1994: 128; Bolton, 1994: 26; Bolton, 1995b: 25.

\**Ctenobethylus* as genus: Dlussky, 1997: 58; Bolton, 2003: 19, 84; Dubovikoff, 2005a: 93; Ward, *et al.* 2010: 361.

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

**CTENOPYGA** [junior synonym of *Acanthostichus*]

***Ctenopyga*** Ashmead, 1906: 29. Type-species: *Ctenopyga townsendi* Ashmead, 1906: 29 (junior synonym of *Acanthostichus texanus* Forel, 1904d: 168), by original designation.

#### **Taxonomic history**

[*Ctenopyga* Ashmead, 1905b: 382. *Nomen nudum*.]

*Ctenopyga* in Dorylidae, Acanthostichinae: Ashmead, 1905b: 382; Ashmead, 1906: 29.

*Ctenopyga* in Ponerinae, Acanthostichini: Emery, 1911d: 13; Brown, 1975: 42; Hölldobler & Wilson, 1990: 10.

*Ctenopyga* in Cerapachyinae, Acanthostichini: Bolton, 1990a: 67.

*Ctenopyga* as subgenus of *Acanthostichus*: Emery, 1911d: 13; Forel, 1917: 239; Wheeler, W.M. 1922a: 640; Donisthorpe, 1943f: 636; Smith, M.R. 1947f: 529; Creighton, 1950a: 58.

*Ctenopyga* as genus: Ashmead, 1905b: 382; Ashmead, 1906: 29; Wheeler, W.M. 1918a: 220 (footnote); Brown, 1975: 42; Smith, D.R. 1979: 1333; Hölldobler & Wilson, 1990: 10; Bolton, 1990a: 67; Bolton, 1990c: 1357.

*Ctenopyga* as junior synonym of *Acanthostichus*: Brown, 1973b: 179 [provisional]; Snelling, R.R. 1981: 389; Bolton, 1994: 19; Bolton, 1995b: 25; Mackay, 1996: 132; Bolton, 2003: 138; Borowiec, M.L. 2016: 66.

\***CURTICORNA** [*incertae sedis* in Formicidae]

\**Curticornia* Hong, 2002: 537. Type-species: \**Curticornia leptogastrosa* Hong, 2002: 538, by original designation.

#### **Taxonomic history**

\**Curticornia* in Dorylinae: Hong, 2002: 537.

\**Curticornia* in Ectatomminae?: Dlussky & Wedmann, 2012: 728.

\***CURTIPALPULUS** [*incertae sedis* in Formicinae]

\**Curtipalpulus* Hong, 2002: 612. Type-species: \**Curtipalpulus eocenicus* Hong, 2002: 614, by original designation.

#### **Taxonomic history**

\**Curtipalpulus* in Formicinae: Hong, 2002: 612.

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

**CYATHOCEPHALUS** [junior homonym, replaced by *Cyathomyrmex*]

*Cyathocephalus* Emery, 1915i: 192 [as subgenus of *Cryptocerus*]. Type-species: *Cryptocerus pallens* Klug, 1824: 206, by original designation.

#### **Taxonomic history**

[Junior homonym of *Cyathocephalus* Kessler, 1868: 135 (Cestoda).]

*Cyathocephalus* as subgenus of *Cryptocerus*: Emery, 1915i: 192; Forel, 1917: 246; Wheeler, W.M. 1922a: 665; Emery, 1924d: 311.

*Cyathocephalus* as junior synonym of *Paracryptocerus*: Kempf, 1972a: 175.

*Cyathocephalus* as junior synonym of *Zacryptocerus*: Kempf, 1973c: 460; Hölldobler & Wilson, 1990: 16.

*Cyathomyrmex* Creighton, 1933: 100, **replacement name** for *Cyathocephalus* Emery.

**CYATHOMYRMEX** [junior synonym of *Cephalotes*]

*Cyathomyrmex* Creighton, 1933: 100 [as subgenus of *Cryptocerus*].

#### **Taxonomic history**

[Replacement name for *Cyathocephalus* Emery; junior homonym of *Cyathocephalus* Kessler, 1868: 135 (Cestoda).]

*Cyathomyrmex* in Myrmicinae, Cephalotini: Smith, M.R. 1949c: 21.

*Cyathomyrmex* as subgenus of *Cryptocerus*: Creighton, 1933: 100; Creighton, 1950a: 298.

*Cyathomyrmex* as subgenus of *Paracryptocerus*: Smith, M.R. 1949c: 21; Kempf, 1951: 156.

*Cyathomyrmex* as junior synonym of *Paracryptocerus*: Kempf, 1972a: 7, 175.

*Cyathomyrmex* as junior synonym of *Zacryptocerus*: Kempf, 1973c: 460; Hölldobler & Wilson, 1990: 16; Brandão, 1991: 383; Bolton, 1995b: 25.

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

**CYATTA** [Myrmicinae: Attini]

*Cyatta* Sosa-Calvo, *et al.* 2013: 4. Type-species: *Cyatta abscondita* Sosa-Calvo, *et al.* 2013: 5, by original designation.

**Taxonomic history**

*Cyatta* in Myrmicinae, Attini: Sosa-Calvo, *et al.* 2013: 9; Ward, *et al.* 2015: 77.

***Cyatta* references:** Baccaro, *et al.* 2015: 220 (genus in Brazil).

**CYLINDROMYRMEX** [Dorylinae]

*Cylindromyrmex* Mayr, 1870b: 967. Type-species: *Cylindromyrmex striatus* Mayr, 1870b: 967, by monotypy.

**Taxonomic history**

*Cylindromyrmex* in Ponerinae: Dalla Torre, 1893: 16 [Ponerinae]; Emery, 1896e: 177 [Ponerinae].

*Cylindromyrmex* in Ponerinae, Cerapachyini: Forel, 1893a: 162; Forel, 1895b: 116; Wheeler, W.M. 1910g: 137 [subtribe Cylindromyrmecini].

*Cylindromyrmex* in Ponerinae, Ectatommini: Emery, 1895j: 767.

*Cylindromyrmex* in Ponerinae, Ponerini: Forel, 1899c: 4.

*Cylindromyrmex* in Dorylinae, Cylindromyrmecini: Emery, 1901a: 34.

*Cylindromyrmex* in Pachycondylineae, Cylindromyrmecini: Ashmead, 1905b: 382.

*Cylindromyrmex* in Ponerinae, Cylindromyrmecini: Emery, 1911d: 14; Forel, 1917: 239; Wheeler, W.M. 1922a: 640; Wheeler, W.M. 1924a: 104; Brown, 1975: 36; Dlussky & Fedoseeva, 1988: 79; Hölldobler & Wilson, 1990: 10.

*Cylindromyrmex* in Cerapachyinae, Cylindromyrmecini: Wheeler, W.M. 1902d: 185; Donisthorpe, 1943f: 636; Kempf, 1972a: 91; Bolton, 1990a: 67; Bolton, 1990c: 1357; Brandão, 1991: 339; Jaffe, 1993: 9; Bolton, 1994: 19; Bolton, 1995b: 25; Bolton, 2003: 33, 138.

*Cylindromyrmex* in Dorylinae: Brady, *et al.* 2014: 4 (in figure); Borowiec, M.L. 2016: 106.

*Cylindromyrmex* as subgenus of *Cerapachys*: Forel, 1892l: 243 (in key).

*Cylindromyrmex* as genus: all authors except Forel, 1892l: 243.

*Cylindromyrmex* as senior synonym of *Holcoponera* Cameron: Forel, 1892f: 256; Dalla Torre, 1893: 16; Forel, 1899c: 4; Emery, 1911d: 14; Emery, 1912d: 272; Wheeler, W.M. 1913a: 80; subsequent authors; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 26; De Andrade, 1998a: 585; Bolton, 2003: 139; Borowiec, M.L. 2016: 106.

*Cylindromyrmex* as senior synonym of *Hypocylindromyrmex*: Brown, 1973b: 181 [provisional]; Brown, 1975: 36; Hölldobler & Wilson, 1990: 10; Brandão, 1991: 339; Bolton, 1995b: 26; De Andrade, 1998a: 585; Bolton, 2003: 139; Borowiec, M.L. 2016: 106.

*Cylindromyrmex* as senior synonym of *Metacylindromyrmex*: Kempf, 1972a: 91; Brown, 1975: 36; Hölldobler & Wilson, 1990: 10; Brandão, 1991: 339; Bolton, 1995b: 26; De Andrade, 1998a: 585; Bolton, 2003: 139; Borowiec, M.L. 2016: 106.

***Cylindromyrmex* catalogues:** Dalla Torre, 1893: 16; Emery, 1911d: 14; Kempf, 1972a: 91; Bolton, 1995b: 167; Borowiec, M.L. 2016: 112 (species checklist).

***Cylindromyrmex* references:** Emery, 1911d: 14 (diagnosis); Arnold, 1915: 19 (diagnosis); Wheeler, W.M. 1922a: 640 (genera key); Wheeler, W.M. 1924a: 104 (all species key); Menozzi, 1931d: 194 (all species key); Wheeler, W.M. 1937b: 444 (all species key); Brown, 1975: 36 (diagnosis, review of tribe and genus, **all species key**); Bolton, 1990a: 59 (abdominal morphology); De Andrade, 1998a: 581 (diagnosis, **all species revision, key**); De Andrade, 2001: 62 (males key); Bolton, 2003: 33, 138 (diagnosis, synopsis); Brady, *et al.* 2014: 4 (phylogeny); Baccaro, *et al.* 2015: 154 (genus in Brazil); Borowiec, M.L. 2016: 106 (diagnosis); Palacio, 2019: 595 (Colombia species key).

**CYPHOIDRIS** [Myrmicinae: Crematogastrini]

*Cyphoidris* Weber, 1952a: 26. Type-species: *Cyphoidris spinosus* Weber, 1952a: 26, by original designation.

**Taxonomic history**

*Cyphoidris* in Myrmicinae, Pheidolini: Hölldobler & Wilson, 1990: 16.

*Cyphoidris* in Myrmicinae, Stenammini: Bolton, 1994: 106; Bolton, 1995b: 26; Bolton, 2003: 59, 202.

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

*Cyphoidris* as junior synonym of *Lordomyrma*: Brown, 1973b: 179 [provisional].

*Cyphoidris* as genus: Bolton, 1981b: 256; Hölldobler & Wilson, 1990: 13; Bolton, 1994: 82; Bolton, 1995b: 26; Bolton, 2003: 59, 202; Taylor, 2009: 25.

***Cyphoidris* catalogues:** Bolton, 1995b: 167; Fisher & Bolton, 2016: 258 (checklist).

***Cyphoidris* references:** Bolton, 1981b: 256 (diagnosis, **all species revision, key**); Taylor, 2009: 25 (notes); Fisher & Bolton, 2016: 256 (diagnosis).

**CYPHOMANNIA** [junior synonym of *Cyphomyrmex*]

*Cyphomannia* Weber, 1938b: 183 [as subgenus of *Cyphomyrmex*]. Type-species: *Cyphomyrmex (Cyphomannia) laevigatus* Weber, 1938b: 184, by original designation.

**Taxonomic history**

*Cyphomannia* as subgenus of *Cyphomyrmex*: Weber, 1938b: 183; Donisthorpe, 1943f: 636; Weber, 1966: 166.

*Cyphomannia* as junior synonym of *Cyphomyrmex*: Kempf, 1962b: 29; Kempf, 1968a: 39; Kempf, 1972a: 92; Smith, D.R. 1979: 1410; Hölldobler & Wilson, 1990: 13; Bolton, 1994: 105; Bolton, 1995b: 26; Bolton, 2003: 198.

**CYPHOMYRMEX** [Myrmicinae: Attini]

*Cyphomyrmex* Mayr, 1862: 651 (diagnosis in key), 690. Type-species: *Cyphomyrmex minutus* Mayr, 1862: 691, by monotypy.

**Taxonomic history**

[Type-species not *Cryptocerus rimosus* Spinola, 1851b: 49, unjustified subsequent designation by Wheeler, W.M. 1911f: 161.]

[Type-species not *Meranoplus difformis* Smith, F. 1858b: 195, unjustified subsequent designation by Emery, 1924d: 340.]

*Cyphomyrmex* in Formicinae: Mayr, 1862: 651 (in key), 690 [Formicidae].

*Cyphomyrmex* in Myrmicidae, Cryptoceridae: Emery, 1877a: 81.

*Cyphomyrmex* in Myrmicinae: Mayr, 1865: 25 [Myrmicidae]; Dalla Torre, 1893: 149 [Myrmicinae].

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

*Cyphomyrmex* in Myrmicinae, Attini: Forel, 1893a: 164; Emery, 1895j: 770; Emery, 1896e: 181; Forel, 1899c: 40; Wheeler, W.M. 1907c: 670; Wheeler, W.M. 1910g: 141; Emery, 1913b: 251; Emery, 1914a: 42; Forel, 1917: 247; Wheeler, W.M. 1922a: 669; Emery, 1924d: 339; subsequent authors; Bolton, 1995b: 26; Bolton, 2003: 57, 198; Ward, *et al.* 2015: 77.

*Cyphomyrmex* as junior synonym of *Cataulacus*: Roger, 1863b: 39.

*Cyphomyrmex* as subgenus of *Atta*: Forel, 1912e: 188.

*Cyphomyrmex* as genus: Mayr, 1862: 690; Mayr, 1863: 406; Mayr, 1865: 25; Dalla Torre, 1893: 149; Ashmead, 1905b: 384; Wheeler, W.M. 1907c: 670; Emery, 1913b: 251; Bruch, 1914: 217; Emery, 1914a: 42; Luederwaldt, 1918: 39; Wheeler, W.M. 1922a: 669; Emery, 1924d: 339; subsequent authors; Bolton, 1995b: 26; Bolton, 2003: 57, 198.

*Cyphomyrmex* as senior synonym of *Cyphomannia*: Kempf, 1962b: 29; Kempf, 1968a: 39; Kempf, 1972a: 92; Smith, D.R. 1979: 1410; Hölldobler & Wilson, 1990: 13; Bolton, 1994: 105; Bolton, 1995b: 26; Bolton, 2003: 198.

***Cyphomyrmex* catalogues:** Mayr, 1863: 406; Dalla Torre, 1893: 149; Emery, 1924d: 340; Smith, M.R. 1951a: 829 (North America); Kempf, 1972a: 92 (Neotropical); Smith, D.R. 1979: 1410 (North America); Brandão, 1991: 339 (Neotropical); Bolton, 1995b: 167; Fisher & Bolton, 2016: 259 (Malagasy checklist).

***Cyphomyrmex* references:** Mayr, 1865: 25 (diagnosis); Mayr, 1887: 556 (all species key); Emery, 1924d: 340 (diagnosis, subgenera key); Kusnezov, 1949d: 436 (Argentina species key); Weber, 1940a: 408 (all species key); Creighton, 1950a: 316 (**Nearctic species key**); Kusnezov, 1957b: 9 (Neotropical species, partial key); Kempf, 1962b: 30 (species groups); Kempf, 1964d: 5 (*C. strigatus* group revision, key); Kempf, 1966: 161 (*C. rimosus* group revision, key); Snelling, R.R. & Longino, 1992: 480 (*C. rimosus* group revision, key); Mackay & Mackay, 2002: 38 (U.S.A., New Mexico species key); Baccaro, *et al.* 2015: 222 (genus in Brazil); Fisher & Bolton, 2016: 258 (diagnosis); Fernández & Serna, 2019: 847 (Colombia species key).

**CYRTOMYRMA** [subgenus of *Polyrhachis*]

***Cyrtomyrma*** Forel, 1915b: 107 [as subgenus of *Polyrhachis*]. Type-species: *Formica rastellata* Latreille, 1802c: 130, by original designation.

#### **Taxonomic history**

*Cyrtomyrma* as subgenus of *Polyrhachis*: Forel, 1915b: 107; Forel, 1917: 251; Wheeler, W.M. 1922a: 701; Emery, 1925b: 207; subsequent authors; Dorow, 1995: 21; Bolton, 1995b: 26; Bolton, 2003: 124; Mezger & Moreau, 2016: 374.

***Cyrtomyrma* references:** included under *Polyrhachis*.

[Note: world list of species in *P. (Cyrtomyrma)*: Emery, 1925b: 207; Dorow, 1995: 21; Bolton, 1995b: 359.]

\***CYRTOPONE** [Ponerinae: Ponerini]

\****Cyrtopone*** Dlussky & Wedmann, 2012: 742. Type-species: \**Cyrtopone microcephala* Dlussky & Wedmann, 2012: 743, by original designation.

#### **Taxonomic history**

\**Cyrtopone* in Ponerinae, Ponerini: Dlussky & Wedmann, 2012: 742.

**CYRTOSTIGMACROS** [junior synonym of *Stigmacros*]

***Cyrtostigmacros*** McAreevey, 1957: 35 [as subgenus of *Stigmacros*]. Type-species: *Acantholepis (Acrostigma) australis* Forel, 1902h: 479, by original designation.

#### **Taxonomic history**

*Cyrtostigmacros* as junior synonym of *Stigmacros*: Brown, 1973b: 179 [provisional]; Taylor & Brown, 1985: 145; Hölldobler & Wilson, 1990: 18; Bolton, 1995b: 26; Bolton, 2003: 100.

**CYSIAS** [junior synonym of *Ooceraea*]

***Cysias*** Emery, 1902c: 24 [as subgenus of *Cerapachys*]. Type-species: *Ooceraea papuana* Emery, 1897c: 594, by original designation.

#### **Taxonomic history**

*Cysias* in Poneridae, Ponerinae, Cerapachyini: Ashmead, 1905b: 382.

*Cysias* as genus: Ashmead, 1905b: 382.

*Cysias* as subgenus of *Cerapachys*: Emery, 1902c: 24; Wheeler, W.M. 1910g: 137; Donisthorpe, 1943f: 637.

*Cysias* as junior synonym of *Syscia*: Forel, 1907a: 8 (in text); Emery, 1911d: 10.

*Cysias* as junior synonym of *Cerapachys*: Kempf, 1972a: 76; Brown, 1975: 19; Ogata, 1987: 129; Hölldobler & Wilson, 1990: 10; Bolton, 1995b: 26; Tang, J., Li, *et al.* 1995: 25; Bolton, 2003: 140.

*Cysias* as junior synonym of *Ooceraea*: Borowiec, M.L. 2016: 191.