**THE ECTAHETEROMORPHS: SUBFAMILIES ECTATOMMINAE AND HETEROPONERINAE**

**SUBFAMILY ECTATOMMINAE**

**Subfamily ECTATOMMINAE**

**Ectatommii** Emery, 1895j: 767. Type-genus: *Ectatomma*.

**Taxonomic history**

Ectatomminae as poneromorph subfamily of Formicidae: Bolton, 2003: 45, 172.

Ectatomminae as formicoid subfamily of Formicidae: Ouelette, Fisher, *et al*. 2006: 365; Moreau, Bell, *et al*. 2006: 102; Brady, Schultz, *et al*. 2006: 18173.

Ectatomminae as formicoid ectaheteromorph subfamily of Formicidae: Ward, 2007a: 556.

**Tribes of Ectatomminae**: Ectatommini, Typhlomyrmecini.

**Subfamily Ectatomminae references**

Bolton, 2003: 45, 172 (diagnosis, synopsis); Ouelette, Fisher, *et al*. 2006: 365 (phylogeny); Moreau, Bell, *et al*. 2006: 102 (phylogeny); Brady, Schultz, *et al*. 2006: 18173 (phylogeny); Ward, 2007a: 556 (classification); Keller, 2011: 1 (morphology, phylogeny).

**Tribe ECTATOMMINI**

**Ectatommii** Emery, 1895j: 767. Type-genus: *Ectatomma*.

**Taxonomic history**

Ectatommini as tribe of Pachycondylinae: Ashmead, 1905b: 382.

Ectatommini as tribe of Ponerinae: Emery, 1895j: 767 [Ectatommii]; Emery, 1901a: 36 [Ectatommii]; Wheeler, W.M. 1910g: 134 [Ectatommii]; Emery, 1911d: 30; Wheeler, W.M. 1915h: 33; Forel, 1917: 236; Gallardo, 1918b: 7; Wheeler, W.M. 1922a: 638; Brown, 1958g: 175; Kusnezov, 1964: 50; Wheeler, G.C. & Wheeler, J. 1985: 256; Dlussky & Fedoseeva, 1988: 78; Hölldobler & Wilson, 1990: 10; Jaffe, 1993: 8; Bolton, 1994: 164.

Ectatommini as tribe of Ectatomminae: Bolton, 2003: 46.

**Junior synonym of ECTATOMMINI**

**Stictoponerini** Arnol'di, 1930d: 161. Type-genus: *Stictoponera* (junior synonym of *Gnamptogenys*).

**Taxonomic history**

Stictoponerini as subtribe of Ectatommini: Arnol'di, 1930d: 161.

Stictoponerini as junior synonym of Ectatommini: Taylor, 1980c: 354; Bolton, 1994: 164; Bolton, 2003: 46.

**Genera (extant) of Ectatommini**: *Ectatomma, Gnamptogenys, Rhytidoponera*.

**Genera (extinct) *incertae sedis* in Ectatommini**: *\*Canapone, \*Electroponera, \*Pseudectatomma*.

**Tribe Ectatommini references**

Wheeler, W.M. 1910g: 134 (diagnosis); Emery, 1911d: 30 (diagnosis, genera key); Forel, 1917: 236 (synoptic classification); Gallardo, 1918b: 11 (Argentina, key); Wheeler, W.M. 1922a: 642 (genera key); Brown, 1958g: 185 (all genera revision, key); Wheeler, G.C. & Wheeler, J. 1976b: 49 (larvae, review & synthesis); Hölldobler & Wilson, 1990: 10 (synoptic classification); Brandão, 1991: 389 (Neotropical, synoptic classification); Kugler, C. 1991: 155 (sting structure, phylogeny); Bolton, 1994: 164 (synoptic classification); Lattke, 1994: 105 (phylogeny); Bolton, 1995a: 1042 (census); Bolton, 1995b: 11 (catalogue); Keller, 2000: 59 (phylogeny); Bolton, 2003: 46, 173 (diagnosis, synopsis); Ouellette, Fisher *et al*. 2006: 359 (phylogeny); Fernández & Arias-Penna, 2008: 30 (Neotropical genera key); General & Alpert, 2012: 71 (Philippines genera key); Dlussky & Wedmann, 2012: 728 (Germany Eocene fossils).

**See also** general references under **PONERINAE**.

**Genera of Ectatommini**

**Genus *ECTATOMMA***

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

**Taxonomic history**

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

*Ectatomma* in Ponerinae: Mayr, 1862: 714 (in key) [Poneridae]; Mayr, 1865: 14 [Poneridae]; Mayr, 1868c: 75 [Poneridae]; Dalla Torre, 1893: 23.

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

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

*Ectatomma* in Ponerinae, Ectatommini: Emery, 1895j: 767; Wheeler, W.M. 1910g: 135; Emery, 1911d: 41; Wheeler, W.M. 1915h: 33; Forel, 1917: 236; Gallardo, 1918b: 27; Wheeler, W.M. 1922a: 643; all subsequent authors to the following.

*Ectatomma* in Ectatomminae, Ectatommini: Bolton, 2003: 46.

**Genus *Ectatomma* references**

Roger, 1863b: 17 (catalogue); Mayr, 1863: 409 (catalogue); Mayr, 1865: 14 (diagnosis); Mayr, 1867a: 87 (diagnosis); Dalla Torre, 1893: 23 (catalogue); Emery, 1911d: 41 (diagnosis, subgenera key, catalogue); Gallardo, 1918b: 30 (Argentina species key); Kusnezov, 1957b: 13 (partial key); Brown, 1958g: 206 (review of genus, key); Kempf, 1972a: 104 (Neotropical catalogue); Smith, D.R. 1979: 1336 (North America catalogue); Kugler, C. & Brown, 1982: 6 (all species key); Brandão, 1991: 341 (catalogue); Fernández, 1991: 551 (Colombia species key); Lattke, 1994: 109 (phylogeny); Bolton, 1995a: 1049 (census); Bolton, 1995b: 186 (catalogue) ); Arias-Penna, 2008b: 56 (all species key).

**Genus *GNAMPTOGENYS***

***Gnamptogenys*** Roger, 1863a: 174. Type-species: *Ponera tornata*, by subsequent designation of Emery, 1911d: 44.

**Taxonomic history**

[Type-species not *Ectatomma concinna*, unjustified subsequent designation by Wheeler, W.M. 1911f: 164; see Emery, 1912d: 271 and Wheeler, W.M. 1913a: 79.]

*Gnamptogenys* in Ponerinae: Mayr, 1865: 15 [Poneridae].

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

*Gnamptogenys* in Ponerinae, Ectatommini: Emery, 1895j: 767; Emery, 1911d: 44; Forel, 1917: 236; Wheeler, W.M. 1922a: 643; all subsequent authors to the following.

*Gnamptogenys* in Ectatomminae, Ectatommini: Bolton, 2003: 46.

*Gnamptogenys* as subgenus of *Ectatomma*: Mayr, 1887: 540; Dalla Torre, 1893: 23; Emery, 1895j: 767; Forel, 1895b: 113; Forel, 1899c: 7; Wheeler, W.M. 1910g: 135; Emery, 1911d: 44; Gallardo, 1918b: 42; Wheeler, W.M. 1922a: 644; Borgmeier, 1923: 60; Kusnezov, 1956: 14.

*Gnamptogenys* as genus: Roger, 1863a: 174; Forel, 1917: 236; Brown, 1958g: 211; all subsequent authors.

**Junior synonyms of *GNAMPTOGENYS***

***Stictoponera*** Mayr, 1887: 539 [as subgenus of *Ectatomma*]. Type-species: *Ponera coxalis*, by subsequent designation of Bingham, 1903: 82.

**Taxonomic history**

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

*Stictoponera* in Ponerinae, Ectatommini: Emery, 1895j: 767; Emery, 1911d: 47; Forel, 1917: 236; Wheeler, W.M. 1922a: 642; Donisthorpe, 1943g: 728.

*Stictoponera* as subgenus of *Ectatomma*: Mayr, 1887: 539; Dalla Torre, 1893: 23; Emery, 1895j: 767; Forel, 1900d: 316; Bingham, 1903: 82; Wheeler, W.M. 1910g: 135.

*Stictoponera* as genus: Emery, 1911d: 47; Forel, 1917: 236; Wheeler, W.M. 1922a: 642; Donisthorpe, 1943g: 728.

*Stictoponera* as junior synonym of *Gnamptogenys*: Brown, 1958g: 211; all subsequent authors.

***Holcoponera*** Mayr, 1887: 540 [as subgenus of *Ectatomma*]. Type-species: *Gnamptogenys striatula*, by subsequent designation of Emery, 1911d: 40.

**Taxonomic history**

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

*Holcoponera* in Ponerinae, Ectatommini: Emery, 1895j: 767; Emery, 1911d: 40; Forel, 1917: 236; Gallardo, 1918b: 21; Wheeler, W.M. 1922a: 643; all subsequent authors.

*Holcoponera* as subgenus of *Ectatomma*: Mayr, 1887: 540; Dalla Torre, 1893: 23; Emery, 1895j: 767; Wheeler, W.M. 1910g: 135.

*Holcoponera* as genus: Emery, 1902a: 181; Emery, 1911d: 40; Forel, 1917: 236; Gallardo, 1918b: 21; Wheeler, W.M. 1922a: 643; Borgmeier, 1923: 55; Santschi, 1929h: 437; Kusnezov, 1956: 14.

*Holcoponera* as junior synonym of Gnamptogenys: Brown, 1958g: 211; all subsequent authors.

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

**Taxonomic history**

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

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

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

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

*Alfaria* as junior synonym of *Gnamptogenys*: Brown, 1958g: 211; all subsequent authors.

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

**Taxonomic history**

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

*Poneracantha* as junior synonym of *Gnamptogenys*: Brown, 1958g: 211; all subsequent authors.

***Rhopalopone*** Emery, 1897d: 549. Type-species: *Rhopalopone epinotalis*, by monotypy.

**Taxonomic history**

*Rhopalopone* in Ponerinae, Ponerini: Ashmead, 1905b: 382; Wheeler, W.M. 1910g: 135.

*Rhopalopone* in Ponerinae, Ectatommini: Emery, 1911d: 34 [subtribe Typhlomyrmecini]; Forel, 1917: 236; Wheeler, W.M. 1922a: 642; all subsequent authors.

*Rhopalopone* as genus: Emery, 1911d: 34; Wheeler, W.M. 1922a: 642; Borgmeier, 1923: 54.

*Rhopalopone* as junior synonym of *Gnamptogenys*: Brown, 1958g: 211; all subsequent authors.

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

**Taxonomic history**

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

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

*Emeryella* as junior synonym of *Gnamptogenys*: Brown, 1958g: 211; all subsequent authors.

***Mictoponera*** Forel, 1901e: 372 [as subgenus of *Ectatomma*]. Type-species: *Ectatomma (Mictoponera) diehlii*, by monotypy.

**Taxonomic history**

*Mictoponera* as subgenus of *Ectatomma*: Forel, 1901e: 372; Wheeler, W.M. 1910g: 135.

*Mictoponera* as junior synonym of *Rhopalopone*: Emery, 1911d: 34.

*Mictoponera* as junior synonym of *Gnamptogenys*: Brown, 1958g: 212; all subsequent authors.

***Parectatomma*** Emery, 1911d: 44 [as subgenus of *Ectatomma*]. Type-species: *Ectatomma triangulare*, by original designation.

**Taxonomic history**

*Parectatomma* as subgenus of *Ectatomma*: Emery, 1911d: 44; Creighton, 1950a: 35; Kusnezov, 1956: 14.

*Parectatomma* as subgenus of *Gnamptogenys*: Forel, 1917: 236; Wheeler, W.M. 1922a: 643.

*Parectatomma* as junior synonym of *Gnamptogenys*: Brown, 1958g: 212; all subsequent authors.

***Spaniopone*** Wheeler, W.M. & Mann, 1914: 11. Type-species: *Spaniopone haytiana*, by monotypy.

**Taxonomic history**

*Spaniopone* in Ponerinae, Proceratiini: Wheeler, W.M. & Mann, 1914: 13; Wheeler, W.M. 1916i: 36; Forel, 1917: 236; Wheeler, W.M. 1922a: 645; Donisthorpe, 1943g: 727.

*Spaniopone* in Ponerinae, Ectatommini: Emery, 1919c: 107.

*Spaniopone* as junior synonym of *Gnamptogenys*: Brown, 1958g: 212; all subsequent authors.

***Wheeleripone*** Mann, 1919: 282. Type-species: *Wheeleripone albiclava*, by original designation.

**Taxonomic history**

*Wheeleripone* in Ponerinae, Ectatommini: Wheeler, W.M. 1922a: 642; Donisthorpe, 1943g: 736.

*Wheeleripone* as junior synonym of *Gnamptogenys*: Brown, 1958g: 212; all subsequent authors.

***Opisthoscyphus*** Mann, 1922: 4. Type-species: *Opisthoscyphus scabrosus* (junior synonym of *Alfaria minuta*), by original designation.

**Taxonomic history**

*Opisthoscyphus* in Ponerinae, Ectatommini: Wheeler, W.M. 1930f: 13; Donisthorpe, 1943f: 678.

*Opisthoscyphus* as junior synonym of *Alfaria*: Brown, in Borgmeier, 1957: 115.

*Opisthoscyphus* as junior synonym of *Gnamptogenys*: Brown, 1958g: 212; all subsequent authors.

***Commateta*** Santschi, 1929h: 476 [as subgenus of *Ectatomma*]. Type-species: *Ectatomma (Parectatomma) bruchi*, by original designation.

**Taxonomic history**

*Commateta* as junior synonym of *Gnamptogenys*: Brown, 1958g: 212; all subsequent authors.

***Tammoteca*** Santschi, 1929h: 476 [as subgenus of *Ectatomma*]. Type-species: *Ectatomma concinnum*, by original designation.

**Taxonomic history**

*Tammoteca* as junior synonym of *Gnamptogenys*: Brown, 1958g: 212; all subsequent authors.

***Barbourella*** Wheeler, W.M. 1930f: 10 [as subgenus of *Emeryella*]. Type-species: *Emeryella (Barbourella) banksi*, by original designation.

**Taxonomic history**

*Barbourella* as junior synonym of *Gnamptogenys*: Brown, 1958g: 212; all subsequent authors.

**Genus *Gnamptogenys* references**

Roger, 1863b: 19 (catalogue); Mayr, 1863: 422 (catalogue); Mayr, 1865: 15 (diagnosis); Mayr, 1870b: 963 (all species key); Mayr, 1887: 540 (diagnosis); Emery, 1889b: 494 (*Ectatomma (Stictoponera)* species key); Emery, 1896g: 43, 44 (*G. (Holcoponera), G. (Gnamptogenys)* species keys; Forel, 1900d: 316 (India & Sri Lanka species key); Bingham, 1903: 82 (India, Sri Lanka & Burma species key); Emery, 1911d: 34 (*Rhopalopone* diagnosis, catalogue); Emery, 1911d: 40 (*Holcoponera* diagnosis, catalogue); Emery, 1911d: 43 (*Ectatomma (Poneracantha)* diagnosis, catalogue); Emery, 1911d: 44 (*Ectatomma (Parectatomma)* & *E. (Gnamptogenys)* diagnoses, catalogues); Emery, 1911d: 46 (*Emeryella* diagnosis, catalogue); Emery, 1911d: 46 (*Alfaria* diagnosis, catalogue); Emery, 1911d: 47 (*Stictoponera* diagnosis, catalogue); Gallardo, 1918b: 22, 42 (Argentina species key); Mann, 1919: 286 (*Wheeleripone* species key); Wheeler, W.M. 1924b: 240 (*Rhopalopone* species key); Santschi, 1929h: 471 (*Holcoponera* species key); Chapman & Capco, 1951: 26, 29 (Asia *Rhopalopone, Stictoponera* checklists); Brown, 1954h: 1 (*G. coxalis* group species); Brown, 1956: 489 (*Holcoponera* species notes); Brown, 1958g: 211 (revision of genus, all species keys); Brown, 1958g: 230 (New World species revision, key); Brown, 1958g: 237 (Old World species revision, key); Kempf, 1972a: 111 (Neotropical catalogue); Smith, D.R. 1979: 1337 (North America catalogue); Taylor & Brown, D.R. 1985: 30 (Australia catalogue); Taylor, 1987a: 28 (Australia checklist); Brandão & Lattke, 1990: 489 (*Alfaria* group, status); Lattke, 1990b: 22 (Venezuela species key); Hölldobler & Wilson, 1990: 10 (synoptic classification); Brandão, 1991: 344 (Neotropical catalogue); Lattke, 1992a: 123 (*G. minuta* group, key); Bolton, 1995a: 1049 (census); Bolton, 1995b: 208 (catalogue); Lattke, 1995: 149 (New World species revision, key); Wu, J. & Wang, 1995: 36 (China species key); Xu & Zhang, 1996: 56 (China species key); Shattuck, 1999: 185 (Australia synopsis); Zhou, 2001b: 31 (China, Guangxi species key); Lattke, 2004: 51 (Old World species revision, key); Lattke, Fernández & Palacio, 2007: 257 (New World species key); Lattke, Fernández, *et al*. 2008: 68 (Colombia species key).

**Genus *RHYTIDOPONERA***

***Rhytidoponera*** Mayr, 1862: 731 [as subgenus of *Ectatomma*]. Type-species: *Ponera araneoides*, by subsequent designation of Emery, 1911d: 37.

**Taxonomic history**

[Type-species not *Ponera metallica*, unjustified subsequent designation by Wheeler, W.M. 1911f: 172; see Emery, 1912d: 271 and Wheeler, W.M. 1913a: 79.]

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

*Rhytidoponera* in Ponerinae, Ectatommini: Emery, 1895j: 767; Emery, 1911d: 26; Forel, 1917: 236; Wheeler, W.M. 1922a: 643; all subsequent authors to the following.

*Rhytidoponera* in Ectatomminae, Ectatommini: Bolton, 2003: 46.

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

*Rhytidoponera* as subgenus of *Ectatomma*: Mayr, 1862: 731; Mayr, 1863: 453; Mayr, 1887: 539; Dalla Torre, 1893: 23; Emery, 1895j: 767; Wheeler, W.M. 1910g: 135.

*Rhytidoponera* as genus: Emery, 1897d: 547; Emery, 1911d: 36; Wheeler, W.M. 1913a: 79; Forel, 1917: 236; Wheeler, W.M. 1922a: 643; all subsequent authors.

**Junior synonym of *RHYTIDOPONERA***

***Chalcoponera*** Emery, 1897d: 548. Type-species: *Ponera metallica*, by subsequent designation of Emery, 1911d: 39.

**Taxonomic history**

*Chalcoponera* in Pachycondylinae, 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; Forel, 1917: 236.

*Chalcoponera* as genus: Emery, 1897d: 548; 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; all subsequent authors.

**Genus *Rhytidoponera* references**

Mayr, 1867a: 88 (diagnosis); Mayr, 1876: 90 (Australia species key); Mayr, 1887: 539 (diagnosis); Emery, 1911d: 36 (diagnosis, catalogue); Emery, 1912a: 77 (*R. metallica* group revision, key); Clark, 1936: 16 (Australia species key); Chapman & Capco, 1951: 25, 27 (Asia *Chalcoponera, Rhytidoponera* checklists); Brown, 1954g: 2 (*R. impressa* & *R. metallica* groups, species); Brown, 1958g: 197, 288 (review of genus, New Caledonia species key); Wilson, 1958d: 304 (Melanesia & Moluccas species key); Ward, 1980: 478 (Australia & New Guinea *R. impressa* group, key); Ward, 1984: 135 (New Caledonia species key); Taylor & Brown, D.R. 1985: 40 (Australia catalogue); Taylor, 1987a: 67 (Australia, New Caledonia & New Zealand checklist); Bolton, 1995a: 1052 (census); Bolton, 1995b: 378 (catalogue); Shattuck, 1999: 204 (Australia synopsis); Heterick, 2009: 137 (south-western Australia species key).

**Genera *incertae sedis* in Ectatommini**

**Genus \**CANAPONE***

\****Canapone*** Dlussky, 1999b: 75. Type-species: \**Canapone dentata*, by original designation.

**Taxonomic history**

\**Canapone* in Ponerinae: Dlussky, 1999b: 76.

\**Canapone incertae sedis* in Ectatomminae: Bolton, 2003: 46.

**Genus \**ELECTROPONERA***

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

**Taxonomic history**

\**Electroponera* in Ponerinae, Ectatommini: Wheeler, W.M. 1915h: 34; Dlussky & Fedoseeva, 1988: 78; Lattke, 1994: 116; Bolton, 1995b: 187.

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

**Genus \**PSEUDECTATOMMA***

\****Pseudectatomma*** Dlussky & Wedman, 2012: 728. Type-species: \**Pseudectatomma eocenicaa*, by original designation.

**Taxonomic history**

\**Pseudectatomma* in Ectatomminae: Dlussky & Wedman, 2012: 728.

**Tribe TYPHLOMYRMECINI**

**Typhlomyrmicini** Emery, 1911d: 32. Type-genus: *Typhlomyrmex*.

**Taxonomic history**

Typhlomyrmecini as subtribe of Ectatommini: Emery, 1911d: 32 [Typhlomyrmicini]; Gallardo, 1918b: 11 [Typhlomyrmicini].

Typhlomyrmecini as tribe of Ponerinae: Brown, 1953a: 104 [Typhlomyrmicini]; Kusnezov, 1964: 49 [Typhlomyrmicini]; Brown, 1965c: 65; Kempf, 1972a: 262 [Typhlomyrmicini]; Wheeler, G.C. & Wheeler, J. 1976b: 48; all subsequent authors to the following.

Typhlomyrmecini as tribe of Ectatomminae: Bolton, 2003: 46.

**Genus of Typhlomyrmecini**: *Typhlomyrmex*.

**Tribe and genus *Typhlomyrmex* references**

Roger, 1863b: 21 (catalogue); Mayr, 1863: 457 (catalogue); Mayr, 1865: 15 (diagnosis); Dalla Torre, 1893: 16 (catalogue); Emery, 1911d: 32, 33 (tribe, genus diagnoses, catalogue); Gallardo, 1918b: 14 (Argentina species key); Wheeler, W.M. 1925a: 3 (all species key); Brown, 1953a: 104 (review of tribe); Brown, 1965c: 66, 77 (review of tribe and genus, all species revision, key); Kempf, 1972a: 256 (catalogue); Wheeler, G.C. & Wheeler, J. 1976b: 48 (larvae, review & synthesis); Wheeler, G.C. & Wheeler, J. 1985: 256 (synoptic classification); Dlussky & Fedoseeva, 1988: 79 (synoptic classification); Bolton, 1994: 164 (synoptic classification); Bolton, 1995a: 1053 (census); Bolton, 1995b: 16, 422 (catalogue); Bolton, 2003: 46, 176 (diagnosis, synopsis); Lacau, Villemant, *et al*. 2008: 250 (Colombia species key).

**See also** general references under PONERINAE.

**Genus of Typhlomyrmecini**

**Genus *TYPHLOMYRMEX***

***Typhlomyrmex*** Mayr, 1862: 714 (diagnosis in key), 736. Type-species: *Typhlomyrmex rogenhoferi*, by monotypy.

**Taxonomic history**

[*Typhlomyrmex* Gistel, 1856: 447, *nomen nudum*; see Wheeler, W.M. 1911c: 858 and Brown, 1965c: 66.]

*Typhlomyrmex* in Ponerinae: Mayr, 1862: 714 (in key) [Poneridae]; Mayr, 1865: 15 [Poneridae]; Dalla Torre, 1893: 16.

*Typhlomyrmex* in Ponerinae, Ponerini: Forel, 1895b: 111; Forel, 1899c: 2.

*Typhlomyrmex* in Ponerinae, Ectatommini: Emery, 1895j: 767; Wheeler, W.M. 1910g: 135; Emery, 1911d: 33 [subtribe Typhlomyrmecini]; Forel, 1917: 236; Gallardo, 1918b: 13; Wheeler, W.M. 1922a: 642; Donisthorpe, 1943g: 734.

*Typhlomyrmex* in Ponerinae, Typhlomyrmecini: Brown, 1965c: 65; Kempf, 1972a: 256; Dlussky & Fedoseeva, 1988: 79; Hölldobler & Wilson, 1990: 10; Jaffe, 1993: 8; Bolton, 1994: 164.

*Typhlomyrmex* in Ectatomminae, Typhlomyrmecini: Bolton, 2003: 46.

**Genus *Typhlomyrmex* references**: see above.

**SUBFAMILY HETEROPONERINAE**

**Subfamily HETEROPONERINAE**

**Heteroponerinae** Bolton, 2003: 46, 176. Type-genus: *Heteroponera*.

**Taxonomic history**

Heteroponerini Jaffe, 1993: 8 [as tribe of Ponerinae]. Unavailable name; proposed without diagnosis.

Heteroponerini Fernández, Palacio, *et al*. 1996: 362 [as tribe of Ponerinae]. Unavailable name; proposed without diagnosis.

Heteroponerinae as poneromorph subfamily of Formicidae: Bolton, 2003: 46, 176.

Heteroponerinae as formicoid subfamily of Formicidae: Ouelette, Fisher, *et al*. 2006: 365; Moreau, Bell, *et al*. 2006: 102; Brady, Schultz, *et al*. 2006: 18173.

Heteroponerinae as formicoid ectaheteromorph subfamily of Formicidae: Ward, 2007a: 556.

**Tribe of Heteroponerinae**: Heteroponerini.

**Subfamily Heteroponerinae references**

Bolton, 2003: 46, 176 (diagnosis, synopsis); Ouellette, Fisher *et al*. 2006: 359 (phylogeny); Moreau, Bell, *et al*. 2006: 102 (phylogeny); Brady, Schultz, *et al*. 2006: 18173 (phylogeny); Ward, 2007a: 556 (classification); Fernández & Arias-Penna, 2008: 31 (Neotropical genera key); Keller, 2011: 1 (morphology, phylogeny).

**Tribe HETEROPONERINI**

**Heteroponerinae** Bolton, 2003: 46. Type-genus: *Heteroponera*.

**Taxonomic history**

Heteroponerini as tribe of Heteroponerinae: Bolton, 2003: 47.

**Genera of Heteroponerini**: *Acanthoponera, Heteroponera*.

**Genus *incertae sedis* in Heteroponerini**: *Aulacopone*.

**Tribe references**

**See under** **Ectatommini** and general references under **PONERINAE**.

**Genera of Heteroponerini**

**Genus *ACANTHOPONERA***

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

**Taxonomic history**

*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; all subsequent authors to the following.

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

*Acanthoponera* as subgenus of *Ectatomma*: Mayr, 1862: 732; Roger, 1863b: 17; Mayr, 1863: 394; Mayr, 1887: 540; Dalla Torre, 1893: 23; Wheeler, W.M. 1910g: 135.

*Acanthoponera* as genus: Emery, 1895g: 346; Emery, 1911d: 35; Forel, 1917: 236; Gallardo, 1918b: 16; Wheeler, W.M. 1923e: 179; Donisthorpe, 1943f: 619; Kusnezov, 1956: 13; Brown, 1958g: 188; all subsequent authors.

**Genus *Acanthoponera* references**

Mayr, 1887: 540 (diagnosis); Emery, 1911d: 35 (diagnosis, catalogue); Wheeler, W.M. 1923e: 190 (all species key); Brown, 1958g: 188 (review of genus & species); Kempf, 1972a: 9 (catalogue); Kugler, C. 1991: 155 (sting structure); Bolton, 1995b: 53 (catalogue); Arias-Penna & Fernández, 2008: 111 (all species key).

**Genus *HETEROPONERA***

***Heteroponera*** Mayr, 1887: 532. Type-species: *Heteroponera carinifrons*, by monotypy.

**Taxonomic history**

*Heteroponera* in Ponerinae: Dalla Torre, 1893: 43.

*Heteroponera* in Pachycondylinae, Pachycondylini: Ashmead, 1905b: 382.

*Heteroponera* in Ponerinae, Ectatommini: Emery, 1911d: 35; Forel, 1917: 236; all subsequent authors to the following.

*Heteroponera* in Heteroponerinae, Heteroponerini: Bolton, 2003: 47, 177.

*Heteroponera* as subgenus of *Acanthoponera*: Forel, 1917: 236.

*Heteroponera* as junior synonym of *Acanthoponera*: Emery, 1895j: 767; Emery, 1911d: 35; Wheeler, W.M. 1922a: 643; Wheeler, 1923e: 179.

*Heteroponera* as genus: Brown, 1952h: 70; Kusnezov, 1956: 13; Brown, 1958g: 194; all subsequent authors.

**Junior synonyms of *HETEROPONERA***

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

**Taxonomic history**

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

*Paranomopone* as junior synonym of *Heteroponera*: Brown, in Borgmeier, 1957: 112; Brown, 1958g: 194; all subsequent authors.

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

**Taxonomic history**

*Anacanthoponera* as junior synonym of *Heteroponera*: Brown, 1952h: 70; Brown, 1958g: 194; all subsequent authors.

**Genus *Heteroponera* references**

Dalla Torre, 1893: 43 (catalogue); Emery, 1911d: 35 (diagnosis, catalogue as part of Acanthoponera); Wheeler, W.M. 1923e: 190 (all species key as part of Acanthoponera); Brown, 1958g: 194, 196 (review of genus, Australia-New Zealand species key, New World species key); Brown, 1958h: 17 (New Zealand species); Kempf, 1962a: 31 (Neotropical species key); Kempf, 1972a: 117 (Neotropical catalogue); Taylor & Brown, D.R. 1985: 30 (Australia catalogue); Taylor, 1987a: 28 (Australia, New Zealand checklist); Fernández, 1993: 250 (Colombia species key); Bolton, 1995a: 1050 (census); Bolton, 1995b: 212 (catalogue); Shattuck, 1999: 186 (Australia synopsis); Arias-Penna & Fernández, 2008: 113 (Neotropical species key); Heterick, 2009: 142 (south-western Australia species key); Taylor, R.W. 2011: 118 (Australia groups and *leae* group species key).

**Genus *incertae sedis* in Heteroponerini**

**Genus *AULACOPONE***

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

**Taxonomic history**

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

*Aulacopone* in Ponerinae, Ectatommini: Arnol'di, 1930a: 143; all subsequent authors to the following.

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

**Genus *Aulacopone* references**

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