**THE LEPTANILLOMORPHS: SUBFAMILIES LEPTANILLINAE AND MARTIALINAE**

**SUBFAMILY LEPTANILLINAE**

**Subfamily LEPTANILLINAE**

**Leptanillini** Emery, 1910b: 32. Type-genus: *Leptanilla*.

**Taxonomic history**

Leptanillinae as family: Bernard, 1951: 1053 [Leptanillidae].

Leptanillinae as subfamily of Formicidae: Wheeler, W.M. 1923f: 335; Wheeler, G.C. 1928: 89 (in text); Wheeler, G.C. & Wheeler, E.W. 1930: 199; Clark, 1951: 16; Brown, 1954e: 28; Petersen, 1968: 577; Wheeler, G.C. & Wheeler, J. 1972a: 37; Brown, 1973b: 166; all subsequent authors.

Leptanillinae as leptanillomorph subfamily of Formicidae: Bolton, 2003: 39, 151.

Leptanillinae as subfamily *incertae sedis* in Formicidae: Ward, 2007a: 555.

**Tribes of Leptanillinae**: Anomalomyrmini, Leptanillini.

**Subfamily and tribes references**

Emery, 1904a: 107 (anatomy, affinities); Wheeler, W.M. 1910g: 138 (diagnosis); Wheeler, G.C. 1928: 85 (larva); Wheeler, G.C. & Wheeler, E.W. 1930: 199 (diagnosis); Morley, 1939: 114 (phylogeny); Kutter, 1948: 293 (diagnosis); Brown, 1954e: 28 (phylogeny); Bernard, 1967: 90 (diagnosis); Petersen, 1968: 577 (tribe, males); Gotwald, 1969: 97 (mouthparts morphology); Wheeler, G.C. & Wheeler, J. 1972a: 37 (diagnosis); Brown, 1973b: 166 (genera, distribution); Wheeler, G.C. & Wheeler, J. 1976b: 46 (larvae, review & synthesis); Baroni Urbani, 1977c: 430 (diagnosis, revision); Snelling, R.R. 1981: 392 (synoptic classification); Wheeler, G.C. & Wheeler, J. 1985: 257 (synoptic classification); Dlussky & Fedoseeva, 1988: 79 (synoptic classification); Hölldobler & Wilson, 1990: 9 onward (synoptic classification, genera keys); Bolton, 1990b: 269 (diagnosis, revision of tribes, synoptic classification, key); Kugler, C. 1992: 103 (sting structure); Baroni Urbani, Bolton & Ward, 1992: 316, 317 (phylogeny); Bolton, 1994: 69 (diagnosis, synoptic classification, genera key); Bolton, 1995a: 1040 (census); Bolton, 1995b: 9, 12 (catalogue); Ogata, Terayama & Masuko, 1995: 32 (genera, classification); Shattuck, 1999: 117 (Australia, synopsis); Bolton, 2003: 39, 151 (diagnosis, synopsis); Ouellette, Fisher *et al*. 2006: 359 (phylogeny) ; Terayama, 2009: 125 (Taiwan genera key); Borowiec, *et al*. 2011: 13 (genera key); Keller, 2011: 1 (morphology, phylogeny); General & Alpert, 2012: 73 (Philippines genera key); Xu, 2012c: 479 (genera key).

**Tribe ANOMALOMYRMINI**

**Anomalomyrmini** Taylor, in Bolton, 1990b: 278. Type-genus: *Anomalomyrma*.

**Taxonomic history**

Anomalomyrmini as tribe of Leptanillinae: Bolton, 1990b: 273; Hölldobler & Wilson, 1990: 12; Kugler, C. 1992: 107; Bolton, 1994: 70; Bolton, 2003: 39, 151.

**Genera of Anomalomyrmini**: *Anomalomyrma, Furcotanilla, Protanilla*.

**Tribe references**: see above.

**Genera of Anomalomyrmini**

**Genus *ANOMALOMYRMA***

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

**Taxonomic history**

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

**Genus *Anomalomyrma* references**

Bolton, 1995b: 66 (catalogue); Borowiec, *et al*. 2011: 10 (diagnosis).

**Genus *FURCOTANILLA***

***Furcotanilla*** Xu, 2012c: 481. Type-species: *Protanilla furcomandibula*, by original designation.

**Taxonomic history**

*Furcotanilla* in Leptanillinae, Anomalomyrmini: Xu, 2012c: 482.

**Genus *PROTANILLA***

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

**Taxonomic history**

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

**Genus *Protanilla* references**

Bolton, 1995b: 369 (catalogue); Xu & Zhang, 2002: 140 (China species key); Xu, 2002a: 118 (China species key) ; Borowiec, *et al*. 2011: 10 (diagnosis); Xu, 2012c: 483 (all species key).

**Tribe LEPTANILLINI**

**Leptanillini** Emery, 1910b: 32. Type-genus: *Leptanilla*.

**Taxonomic history**

Leptanillini as tribe of Dorylinae: Emery, 1910b: 32; Wheeler, W.M. 1910g: 138 [Leptanillii]; Arnold, 1915: 113; Emery, 1916b: 94; Forel, 1917: 240; Bondroit, 1918: 16; Wheeler, W.M. 1922a: 633.

Leptanillini as tribe of Leptanillinae: Wheeler, W.M. 1923f: 335; Chapman & Capco, 1951: 17; Bolton, 1990b: 276; Bolton, 1994: 70; Bolton, 2003: 40, 152.

**Genera of Leptanillini**: *Leptanilla, Phaulomyrma, Yavnella*.

**Tribe references**: see above.

**Genera of Leptanillini**

**Genus *LEPTANILLA***

***Leptanilla*** Emery, 1870: 196. Type-species: *Leptanilla revelierii*, by monotypy.

**Taxonomic history**

*Leptanilla* in Dorylinae: Emery, 1870: 196 [Dorylidae]; Emery, 1904a: 116.

*Leptanilla* in Myrmicinae: Emery, 1877a: 81 [Myrmicidae]; Emery & Forel, 1879a: 456 [Myrmicidae]; André, 1882c: 268 [Myrmicidae]; Dalla Torre, 1893: 72.

*Leptanilla* in Myrmicinae, Myrmicini: Emery, 1895j: 769.

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

*Leptanilla* in Dorylinae, Leptanillini: Emery, 1910b: 32; Wheeler, W.M. 1910g: 138; Forel, 1917: 240; Wheeler, W.M. 1922a: 636.

*Leptanilla* in Leptanillinae, Leptanillini: Wheeler, W.M. 1923f: 335; Wheeler, G.C. 1928: 89; Donisthorpe, 1943f: 656; Baroni Urbani, 1977c: 433; Wheeler, G.C. & Wheeler, J. 1985: 256; Dlussky & Fedoseeva, 1988: 79; Bolton, 1990b: 276; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 70; Bolton, 2003: 152.

**Junior synonym of *LEPTANILLA***

***Leptomesites*** Kutter, 1948: 286. Type-species: *Leptomesites escheri*, by original designation.

**Taxonomic history**

*Leptomesites* in Leptanillinae: Kutter, 1948: 286; Wheeler, G.C. & Wheeler, J. 1985: 257.

*Leptomesites* as junior synonym of *Leptanilla*: Baroni Urbani, 1977c: 433; all subsequent authors.

**Genus *Leptanilla* references**

André, 1882c: 268 (Europe & Algeria species); Dalla Torre, 1893: 72 (catalogue); Emery, 1904a: 107 (anatomy, affinities); Emery, 1910b: 32 (diagnosis, catalogue); Emery, 1916b: 94 (Italy species); Bondroit, 1918 (France & Belgium species key); Wheeler, G.C. & Wheeler, E.W. 1930: 200 (catalogue); Chapman & Capco, 1951: 17 (Asia checklist); Baroni Urbani, 1977c: 434 (diagnosis, all species revision, key); Taylor & Brown, D.R. 1985: 53 (Australia catalogue); Taylor, 1987a: 34 (Australia checklist); Morisita, Kubota, Onoyama, *et al*. 1989: 35 (Japan species key); Ogata, Terayama & Masuko, 1995: 32 (diagnosis, males); Bolton, 1995a: 1050 (census); Bolton, 1995b: 229 (catalogue); Shattuck, 1999: 117 (Australia synopsis); Xu & Zhang, 2002: 142 and Xu, 2002a: 116 (China species key); Bharti & Kumar, 2012c: 624 (Oriental species key).

**Genus *PHAULOMYRMA***

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

**Taxonomic history**

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

**Genus *Phaulomyrma* references**

Petersen, 1968: 593 (review of genus); Baroni Urbani, 1977c: 480 (review of genus); Ogata, Bolton, 1995b: 316 (catalogue); Terayama & Masuko, 1995: 32 (review of genus).

**Genus *YAVNELLA***

***Yavnella*** Kugler, J. 1987: 52. Type-species: *Yavnella argamani*, by original designation.

**Taxonomic history**

*Yavnella* in Leptanillinae, Leptanillini: Kugler, J. 1987: 52; Bolton, 1990b: 277; Hölldobler & Wilson, 1990: 12; Bolton, 1994: 70; Bolton, 2003: 152.

**Genus *Yavnella* references**

Bolton, 1995b: 424 (catalogue); Ogata, Terayama & Masuko, 1995: 32 (review of genus).

**SUBFAMILY MARTIALINAE**

**Subfamily MARTIALINAE**

**Martialinae** Rabeling & Verhaagh, in Rabeling, Brown & Verhaagh, 2008: 14913. Type-genus: *Martialis*.

**Taxonomic history**

Martialinae as subfamily of Formicidae: Rabeling & Verhaagh, in Rabeling, Brown & Verhaagh, 2008: 14913.

**Genus of Martialinae**: *Martialis*.

**Genus of Martialinae**

**Genus *MARTIALIS***

***Martialis*** Rabeling & Verhaagh, in Rabeling, Brown & Verhaagh, 2008: 14914. Type-species: *Martialis heureka*, by original designation.

**Genus *Martialis* references**

Kück, *et al*. 2011: 1 (phylogeny); Keller, 2011: 1 (morphology, phylogeny).