

***PARAPHAENOGASTER**

***aemula**. **Myrmica aemula* Heer, 1849: 161, pl. 13, fig. 4 (q.) GERMANY (Miocene).

[Also described as new by Heer, 1850: 161.]

Combination in **Paraphaenogaster*: Dlussky & Putyatina, 2014: 271.

Status as species: Giebel, 1856: 179; Scudder, 1891: 718; Dalla Torre, 1893: 108; Bolton, 1995b: 277.

Unidentifiable taxon, *incertae sedis* in *Myrmica*: Handlirsch, 1907: 875; Radchenko, Dlussky & Elmes, 2007: 1494;

unidentifiable taxon; *incertae sedis* in **Paraphaenogaster*: Dlussky & Putyatina, 2014: 271.

***avita**. **Aphaenogaster (Deromyrma) avita* Fujiyama, 1970: 67, pl. 15, figs. 2a,b, 3 (q.) JAPAN (Iki I., Miocene).

[Misspelled as *axila* by Burnham, 1979: 116.]

Combination in *Paraphaenogaster*: Radchenko & Perkovsky, 2016: 944 (in text).

Status as species: Burnham, 1979: 116; Bolton, 1995b: 68.

**axila*, misspelling, see under **avita*.

***bicolor**. **Myrmica bicolor* Heer, 1867: 31, pl. 2, fig. 11 (q.?) CROATIA (Miocene).

Status as species: Mayr, 1867b: 60.

Junior synonym of **tertiaria*: Scudder, 1891: 718, 720; Dalla Torre, 1893: 117; Dlussky & Putyatina, 2014: 271.

***bohemica**. **Pheidologeton boemicus* Novák, O. 1878: 90, pl. 3, fig. 3 (m.?) CZECH REPUBLIC (Miocene).

Combination in *Aeromyrma*: Emery, in Dalla Torre, 1893: 78;

combination in *Oligomyrmex*: Bolton, 1995b: 299;

combination in *Carebara*: Fernández, 2004a: 235;

combination in **Paraphaenogaster*: Dlussky & Putyatina, 2014: 271.

Status as species: Scudder, 1891: 722; Dalla Torre, 1893: 78; Handlirsch, 1907: 872; Bolton, 1995b: 299.

***concinna**. **Myrmica concinna* Heer, 1867: 32, pl. 2, fig. 13 (caste?) CROATIA (Miocene).

Status as species: Mayr, 1867b: 59; Scudder, 1891: 718; Dalla Torre, 1893: 109; Bolton, 1995b: 278.

Unidentifiable taxon, *incertae sedis* in *Myrmica*: Handlirsch, 1907: 875; Radchenko, Dlussky & Elmes, 2007: 1494.

Junior synonym of **jurinei*: Dlussky & Putyatina, 2014: 271.

***dumetorum**. **Rectorhagas dumetorum* Lin, 1982: page? CHINA (Miocene).

[Note: as member of family **Braconidae**: Lin reference, not seen.]

Combination in *Aphaenogaster (Deromyrma)*: Zhang, J., Sun & Zhang, 1994: 162;

combination in *Paraphaenogaster*: Radchenko & Perkovsky, 2016: 944 (in text).

Status as species: Zhang, J., Sun & Zhang, 1994: 162 (redescription).

***hooleyana**. **Paraphaenogaster hooleyana* Dlussky & Perfilieva, 2014: 432, pl. 22, fig. 10;

text-fig. 87 (wing) GREAT BRITAIN (Isle of Wight, Eocene).

***jurinei**. **Myrmica jurinei* Heer, 1849: 163, pl. 13, fig. 8 (q.) CROATIA (Miocene).

[Also described as new by Heer, 1850: 163.]

Unidentifiable taxon, *incertae sedis* in *Myrmica*: Radchenko, Dlussky & Elmes, 2007: 1494.

Combination in **Paraphaenogaster*: Dlussky & Putyatina, 2014: 273.

Status as species: Giebel, 1856: 180; Mayr, 1867b: 59; Scudder, 1891: 719; Dalla Torre, 1893: 110; Handlirsch, 1907: 875; Bolton, 1995b: 280; Dlussky & Putyatina, 2014: 273 (redescription).

Senior synonym of **concinna*: Dlussky & Putyatina, 2014: 273.

****lapidescens*.** **Aphaenogaster (Sinaphaenogaster) lapidescens* Zhang, J. 1989: 269, fig. 272 (q.) CHINA (Shandong, Miocene).

Combination in **Paraphaenogaster*: Dlussky & Putyatina, 2014: 271.

****macrocephala*.** **Myrmica macrocephala* Heer, 1849: 158, pl. 12, fig. 14 (q.) GERMANY (Miocene).

[Also described as new by Heer, 1850: 158.]

Combination in **Paraphaenogaster*: Dlussky & Putyatina, 2014: 271.

Status as species: Giebel, 1856: 178; Scudder, 1891: 719; Dalla Torre, 1893: 112; Bolton, 1995b: 281.

Unidentifiable taxon, *incertae sedis* in *Myrmica*: Handlirsch, 1907: 875; Radchenko, Dlussky & Elmes, 2007: 1494;

unidentifiable taxon; *incertae sedis* in **Paraphaenogaster*: Dlussky & Putyatina, 2014: 271.

****maculata*.** **Aphaenogaster maculata* Théobald, 1937b: 313, pl. 25, fig. 5, pl. 26, fig. 14 (m.?) FRANCE (Oligocene).

Combination in *Paraphaenogaster*: Radchenko & Perkovsky, 2016: 944 (in text).

Status as species: Burnham, 1979: 109; Bolton, 1995b: 71.

****maculipes*.** **Aphaenogaster maculipes* Théobald, 1937b: 204, pl. 14, fig. 7 (q.) GERMANY (Oligocene).

Combination in *Paraphaenogaster*: Radchenko & Perkovsky, 2016: 944 (in text).

Status as species: Burnham, 1979: 109; Bolton, 1995b: 71.

****microphthalmia*.** **Paraphaenogaster microphthalmus* Dlussky, 1981b: 69, fig. 51 (q.) RUSSIA (Stavropolsky Kray, Miocene).

Status as species: Bolton, 1995b: 312; Perfilieva, *et al.* 2017: 397 (redescription).

****paludosa*.** **Aphaenogaster (Deromyrma) paludosa* Zhang, J. 1989: 270, fig. 273 (q.) CHINA (Shandong, Miocene).

Combination in **Paraphaenogaster*: Dlussky & Putyatina, 2014: 271.

****pannonica*.** **Aphaenogaster pannonicus* Bachmayer, 1960: 12, pl. 1, fig. 1 (wing) AUSTRIA (Pliocene).

Combination in *Paraphaenogaster*: Radchenko & Perkovsky, 2016: 944 (in text).

Status as species: Bolton, 1995b: 71.

****shanwangensis*.** **Paraphaenogaster shanwangense* Hong, 1984: 8, pl. 3, fig. 1 (q.) CHINA (Shandong, Miocene).

[Justified emendation of spelling to *Paraphaenogaster*: Bolton, 1995b: 312.]

Combination in *Aphaenogaster (*Sinaphaenogaster)*: Zhang, J. 1989: 267;

combination in **Paraphaenogaster*: Dlussky & Putyatina, 2014: 271.

Status as species: Bolton, 1995b: 312.

****tertiaria*.** **Myrmica tertaria* Heer, 1849: 159, pl. 13, fig. 1 (q.) CROATIA (Miocene).

[Also described as new by Heer, 1850: 159.]

Unidentifiable taxon, *incertae sedis* in *Myrmica*: Handlirsch, 1907: 875; Radchenko, Dlussky & Elmes, 2007: 1494.

Combination in **Paraphaenogaster*: Dlussky & Putyatina, 2014: 271.

Status as species: Giebel, 1856: 179; Heer, 1867: 30; Mayr, 1867b: 58; Scudder, 1891: 718, 720; Dalla Torre, 1893: 117; Bolton, 1995b: 284; Dlussky & Putyatina, 2014: 271 (redescription).

Senior synonym of **bicolor*: Scudder, 1891: 718; Dalla Torre, 1893: 117; Dlussky & Putyatina, 2014: 271.