

## The extreme, workerless inquilines.

### ***Teleutomyrmex* Kutter, 1950**

- 01) *Teleutomyrmex schneideri* Kutter, 1950  
(= *Tetramorium schneideri* (Kutter, 1950), by Ward, Brady, Fisher, Schultz, 2015 ("2014"))  
(not *Tetramorium schneideri* Emery, 1898)  
(= *Tetramorium inquilinum* Ward, Brady, Fisher, Schultz, 2015 ("2014"))
- 02) *Teleutomyrmex kutteri* Tinaut, 1990  
(= *Tetramorium kutteri* (Tinaut, 1990), by Ward, Brady, Fisher, Schultz, 2015 ("2014"))  
(not *Tetramorium semilaeve* André, 1883 var. *kutteri* Santschi, 1927)
- 03) *Teleutomyrmex seiferti* Kiran & Karaman, in Kiran, Karaman, Lapeva-Gjonova, Aksoy, 2017  
(= *Tetramorium seiferti* (Kiran & Karaman, in Kiran, Karaman, Lapeva-Gjonova, Aksoy, 2017), by analogy)
- 04) *Teleutomyrmex buschingeri* Lapeva-Gjonova, in Kiran, Karaman, Lapeva-Gjonova, Aksoy, 2017  
(= *Tetramorium buschingeri* (Lapeva-Gjonova, in Kiran, Karaman, Lapeva-Gjonova, Aksoy, 2017), by analogy)

### **Not yet described species of extreme, workerless inquiline, from the genus *Teleutomyrmex* Kutter, 1950**

- 05) The new, undescribed species from *Teleutomyrmex* Kutter, 1950 from Farab, Turkmenistan... See Dlussky, Soyunov, Zabelin, 1990 ["1989"].

### ***Anergates* Forel, 1874**

- 06) *Anergates atratulus* (Schenck, 1852), by Forel, 1874  
(= *Myrmica atratula* Schenck, 1852)  
[Also described as new by Schenck, 1853b]  
(= *Tetramorium atratulum* (Schenck, 1852), by Mayr, 1855)  
[= *Tomognathus atratulus* (Schenck, 1852), by Mayr, 1863 following Mayr, 1861, obsolete combination.]  
(= *Tetramorium atratulum* (Schenck, 1852), by Ward, Brady, Fisher, Schultz, 2015 ("2014"))
- 07) *Anergates friedlandi* Creighton, 1934  
[= *Tetramorium friedlandi* (Creighton, 1934), by analogy]

**Tetramorium Mayr, 1855**

(Only a few species in a big genus.)

08) *Tetramorium microgyna* Santschi, 1918

09) *Tetramorium parasiticum* Bolton, 1980

**Pheidole Westwood, 1839**

(Only a few species in a big genus.)

10) *Pheidole neokohli* Wilson, 1984

(= *Pheidole kohli* (Wasmann, 1915), by Wilson, 1984)

(= *Anergatides kohli* Wasmann, 1915)

(not *Pheidole kohli* Mayr, 1901)

11) *Pheidole acutidens* (Santschi, 1922), by Wilson, 1984

(= *Bruchomyrma acutidens* Santschi, 1922)

12) *Pheidole argentina* (Bruch, 1932), by Wilson, 1984

(= *Gallardomyrma argentina* Bruch, 1932)

13) *Pheidole parasitica* Wilson, 1984

**Excluded from the extreme, workerless inquilines**

Once this species was included in the extreme, workerless inquilines but now it is considered to be a workerless inquiline without extreme reductions, e.g. no pupoid males but normal ones. The decision to exclude it was made by Edward Osborne Wilson in 1984 in a study of the inquilines in the genus *Pheidole* Westwood, 1839.

**Pheidole Westwood, 1839**

(Only one species in a big genus.)

14) *Pheidole kusnezovi* Wilson, 2003

(= *Pheidole symbiotica* (Kusnezov, 1952), by Wilson, 1984)

(= *Eriopheidole symbiotica* Kusnezov, 1952)

(not *Pheidole symbiotica* Wasmann, 1909)

## **Distribution**

01) Europe (Alps, Pyrenees and Northern Spain)

02) Europe (Southern Iberia)

03) Turkey (Anatolia)

04) Europe (Southern Balkans)

05) Turkmenistan

06) Europe

07) North America

08) Southern Africa

09) Southern Africa

10) Central Africa

11) South America

12) South America

13) India

14) South America

## Host species

01), 02), 03), 04), 05), 06), 07), 08) and 09) Certain species of the genus *Tetramorium* Mayr, 1855

01) *T. alpestre* Steiner, Schlick-Steiner & Seifert, 2010 and *T. impurum* (Förster, 1850)  
and maybe *T. caespitum* (Linnaeus, 1758)?

02) *T. cf. caespitum* (Linnaeus, 1758)

03) *T. cf. chefketi* Forel, 1911

04) *T. cf. chefketi* Forel, 1911

05) A species from the genus *Tetramorium* Mayr, 1855...

06) *T. impurum* (Förster, 1850), *T. caespitum* (Linnaeus, 1758), *T. immigrans* Santschi, 1927, *T. staercke* Kratochvíl, in Kratochvíl, Novák, Šnoflák, 1944  
and *T. moravicum* [Kratochvíl, in] Novák & Sadil, 1941, *T. diomedea* Emery, 1908, *T. chefketi* Forel, 1911

07) *T. immigrans* Santschi, 1927

08) *T. sericeiventre* Emery, 1877 and *T. sepositum* Santschi, 1918

09) *T. avium* Bolton, 1980

10), 11), 12), 13) and 14) Certain species of the genus *Pheidole* Westwood, 1839

10) *P. megacephala* (Fabricius, 1793) subsp. *melancholica* Santschi, 1912

11) *P. strobili* Emery, 1906

12) *P. nitidula* Emery, 1888

13) *P. indica* Mayr, 1879

14) *P. obscurior* Forel, 1886

## A remark about synonymy

*Anergates friedlandi* Creighton, 1934 is now a synonym from *Anergates atratulus* (Schenck, 1852), more precisely an introduced form in North America. So, the name is *Anergates atratulus* (Schenck, 1852) or, if you follow Ward, Brady, Fisher, Schultz, 2015 ("2014"), *Tetramorium atratulum* (Schenck, 1852)...

## Synonyms of host species

- *T. impurum* (Förster, 1850) (= *Myrmica impura* Förster, 1850)
- *T. caespitum* (Linnaeus, 1758) (= *Formica caespitum* Linnaeus, 1758)
- *T. chefketi* Forel, 1911 (= *T. caespitum* (Linnaeus, 1758) var. *chefketi* Forel, 1911)
- *T. immigrans* Santschi, 1927 (= *T. caespitum* (Linnaeus, 1758) var. *immigrans* Santschi, 1927)
- *T. staercke* Kratochvíl, in Kratochvíl, Novák, Šnoflák, 1944 (= *T. caespitum* (Linnaeus, 1758) subsp. *hungarica* Rösler, 1935 ("1933-34") var. *staercke* Rösler, 1936)
- *T. diomedea* Emery, 1908 (= *T. caespitum* (Linnaeus, 1758) var. *diomedea* Emery, 1908)
- *T. sepositum* Santschi, 1918 (= *T. gladstonei* Forel, 1913 var. *seposita* Santschi, 1918)
- *P. megacephala* (Fabricius, 1793) (= *Formica megecephala* Fabricius, 1793) (= *Formica edax* Forskål, 1775, a *nomen oblitum* under Art. 23.9 of ICZN (1999))
- *P. megacephala* (Fabricius, 1793) subsp. *melancholica* Santschi, 1912 was originally described as *P. punctulata* Mayr, 1866 st. *melancholica* Santschi, 1912
- *P. strobili* Emery, 1906 (= *P. perversa* Forel, 1908 subsp. *richter* Forel, 1909, or, in 1922, at the moment the extreme, workerless inquiline species was described, = *P. strobili* Emery, 1906 subsp. *richter* Forel, 1909.)
- *P. nitidula* Emery, 1888 (= *P. triconstricta* Forel, 1886 var. *nitidula* Emery, 1888)
- *P. obscurior* Forel, 1886 (= *P. susannae* Forel, 1886 r. *obscurior* Forel, 1886)